TEKNO RC

BUILDING INSTRUCTIONS

SCT 410.3

Introduction

Thank you for purchasing the Tekno RC SCT410 .3 1/10th Scale Electric 4WD Competition Short Course Truck. The SCT410.3 is an improved version of the already great SCT410. We are always working on new projects, so please check our website (www.teknorc.com) regularly for the latest news, parts, and kits. Thanks again.

Additional equipment and parts needed:
2 + channel radio transmitter and receiver
1/10th scale SC (4 pole) ESC and motor
High torque steering servo
2s LiPo battery
1/10th scale SC tires, wheels & CA glue
Short Course body and paint
MOD1 Pinion (TKR4171->TKR4190)

Tools needed:
Hex drivers (1.5mm, 2.0mm, 2.5mm)
Nut drivers (5.0mm, 5.5mm, 7.0mm, 8.0mm)
Hobby knife
Needle-nose pliers
Adjustable (Crescent) wrench (for shock assembly)
4mm turnbuckle wrench
Lexan Body Scissors

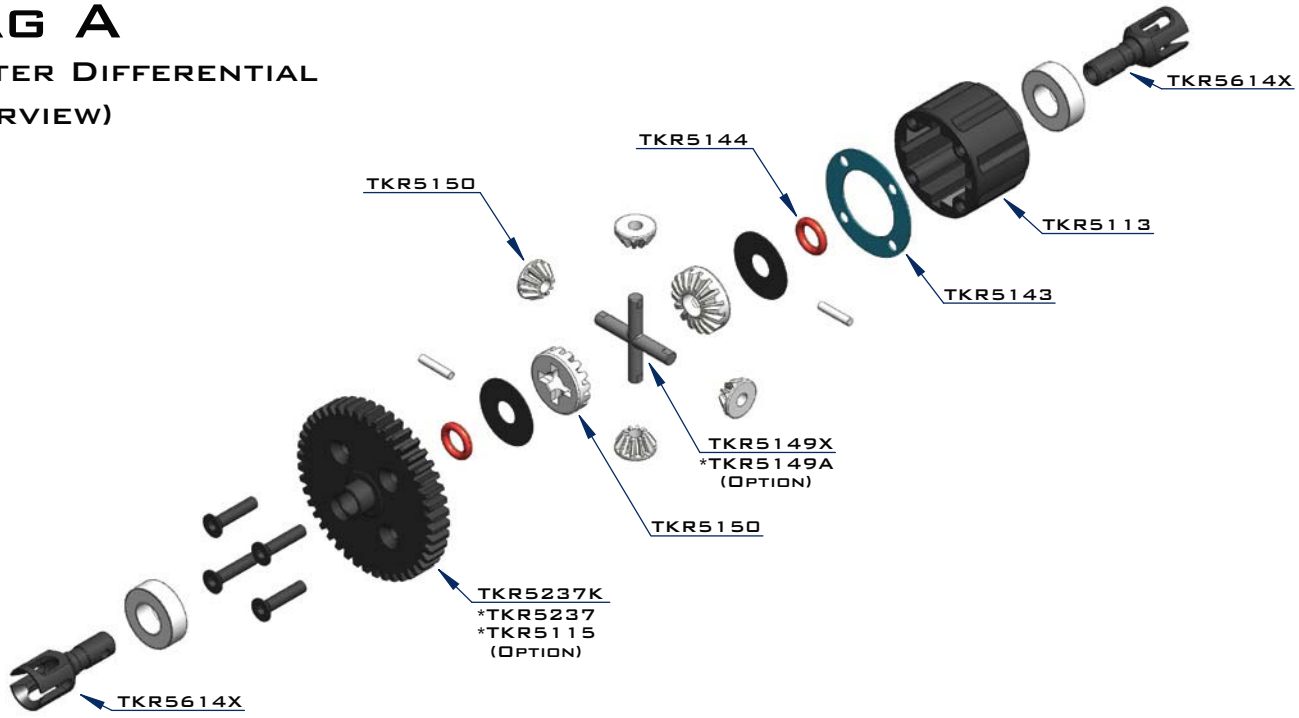
Disclaimer: Tekno RC is not responsible or liable for any property or personal damage, loss, or injury incurred as a result of using this product. This kit is meant for use by persons 14 years of age or older and in the strict confines of a legally permitted RC track or facility.

Warnings: Always double-check that your radio gear is working properly before operating vehicle. Never operate the vehicle indoors (unless the RC track is an indoor facility). Use caution while operating vehicle so as not to collide with people who may be turn mashalling or who might otherwise not be aware that a fast moving RC vehicle is in the vicinity.

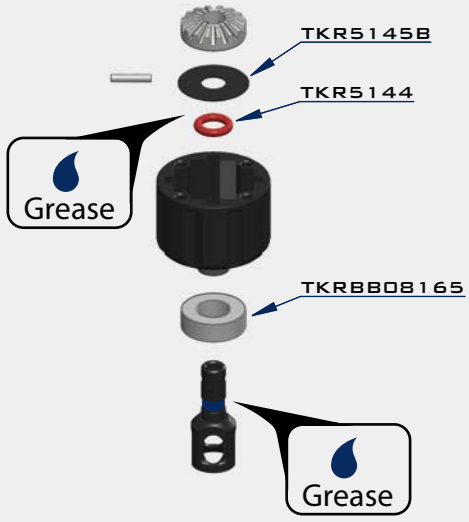
Warranty: We warrant that the parts included in this kit are free from defects. If you find a defective part in your kit, please contact us @ info@teknorc.com and we will help you to resolve the issue. We do not warranty parts that may be broken during operation of the vehicle or otherwise. Refer to the end of this instruction manual for a listing of spare/replacement and option parts. All spare parts and other info are available on our website (www.teknorc.com) and through our network of domestic and international dealers and distributors.

Bag A

Center Differential (overview)



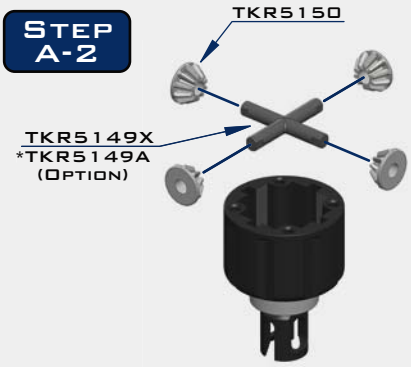
Step A-1



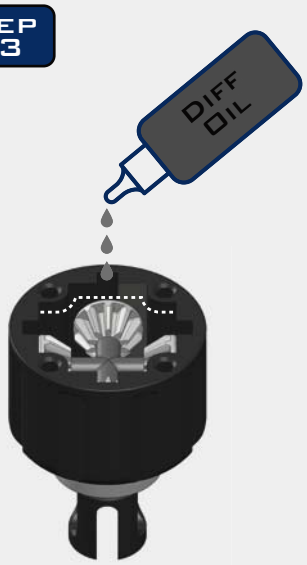
Apply grease to the groove where the o-ring is placed as well as the o-ring itself

Apply grease to the groove in the outdrive

Step A-2

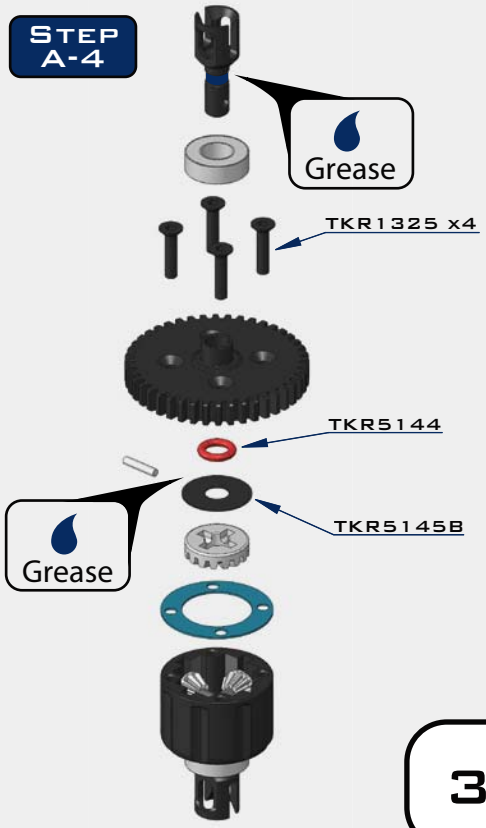


Step A-3



Fill with 7000 wt oil to 1mm below full
DO NOT OVER FILL

Step A-4

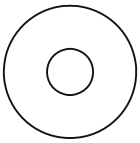


x4

TKR1325
M3x14mm Flat Head Screw

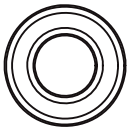
x2

TKR5144
Differential O-rings



x2

TKR5145B
Differential Shims (6x17mm)

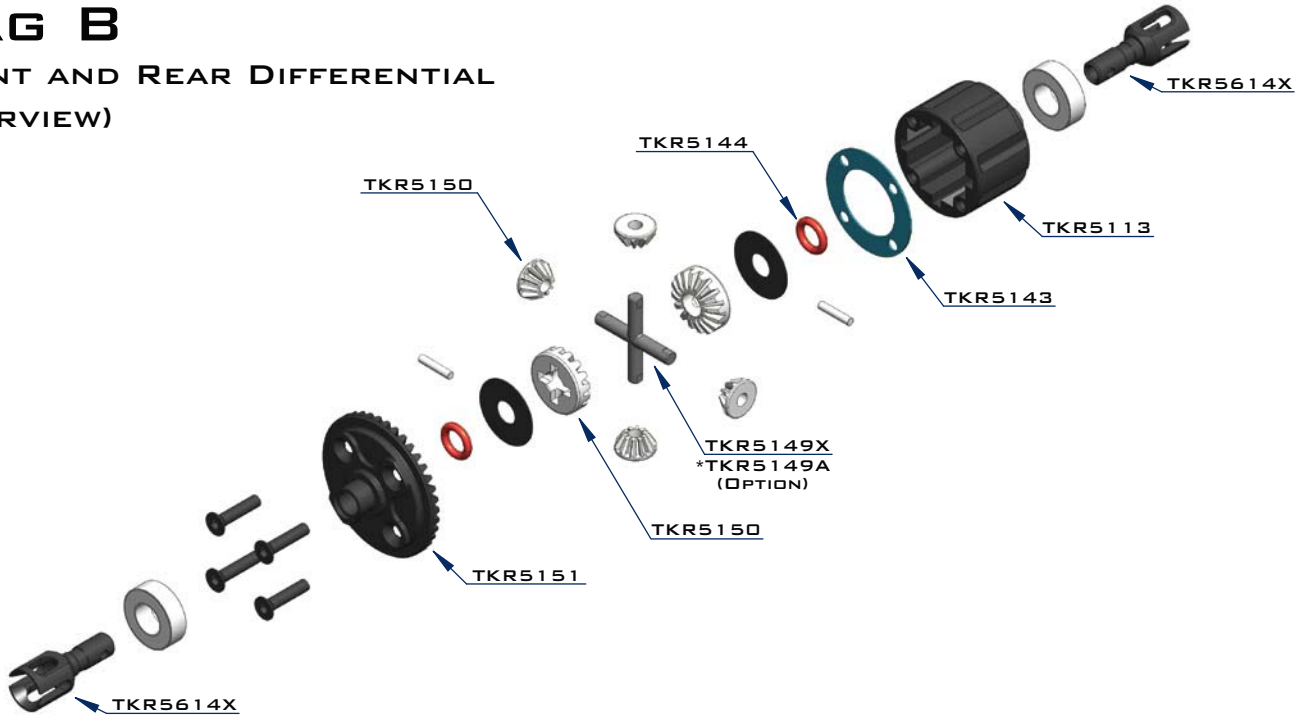


x2

TKRBB08165
Ball Bearing(8x16x5mm)

Bag B

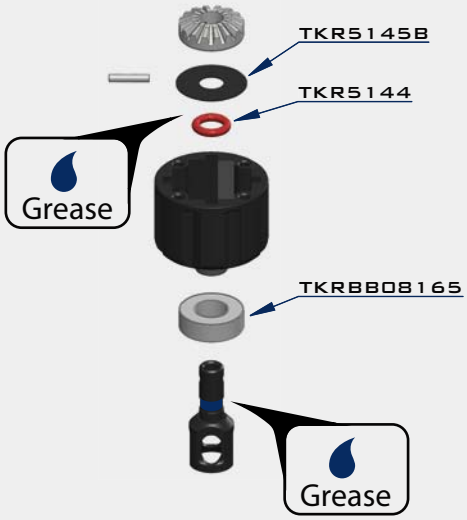
Front and Rear Differential (overview)



Step B-1

Repeat for rear diff

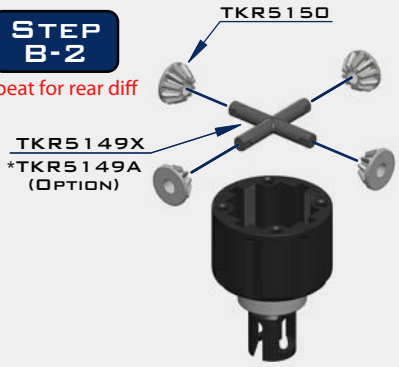
Apply grease to the groove where the o-ring is placed as well as the o-ring itself



Apply grease to the groove in the outdrive

Step B-2

Repeat for rear diff



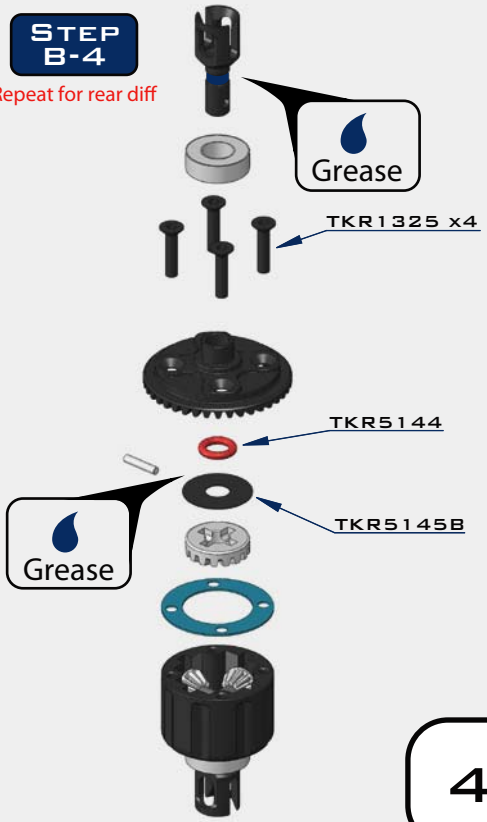
Step B-3

Repeat for rear diff

Fill FRONT with 7000 wt oil
Fill REAR with 5000 wt oil
to1mm below full
DO NOT OVER FILL

Step B-4

Repeat for rear diff

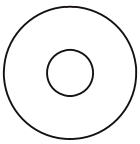


x8

TKR1325
M3x14mm Flat Head Screw

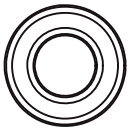
x4

TKR5144
Differential O-rings



x4

TKR5145B
Differential Shims (6x17mm)

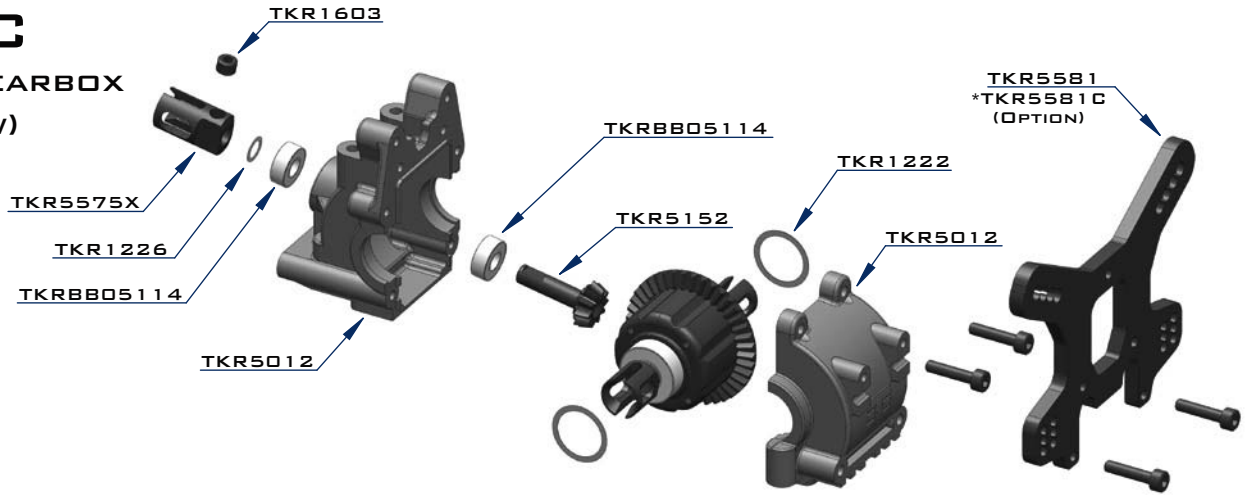


x4

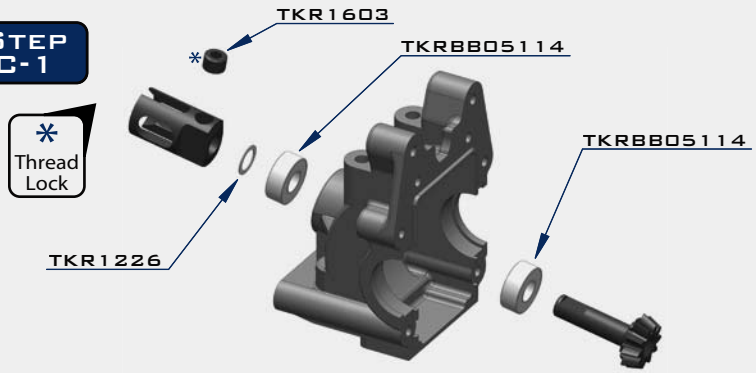
TKRBB08165
Ball Bearing(8x16x5mm)

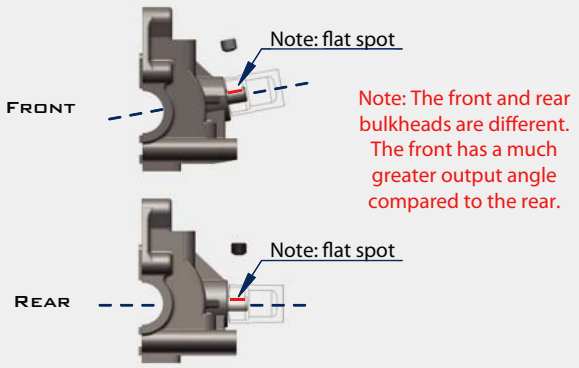
Bag C

Front Gearbox (Overview)

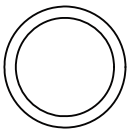


Step C-1





Note: TKR1222 and TKR1226 Shims - The gear mesh should be tight without any binding. TKR1226 should always be installed. Then test fitment of the diff with both TKR1222 shims on the gear-side of the diff. If the diff turns freely without binding, continue to next step. If the diff binds and does not turn freely (it will make a grinding or crunching sound when spun), remove one TKR1222 shim from the gear side and install it onto the other side of the diff. Reassemble and test the mesh again. If it is still binding, remove the second TKR1222 shim from the gear side and install it onto the other side of the diff. When you are satisfied that you have the best gear mesh possible continue to the next step. You may end up using only one shim on the gear side.

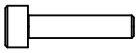


x2

TKR1222
13x16x0.1mm Diff shim

x1

TKR1226
5x7x0.2mm shim



x4

TKR1525
M3x14mm Cap Head Screw

x1

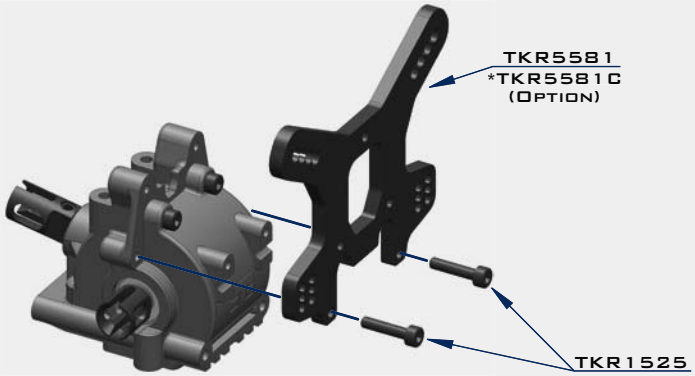
TKR1603
M5x4mm Set Screw

x2

TKRBB05114
Ball Bearing (5x11x4)

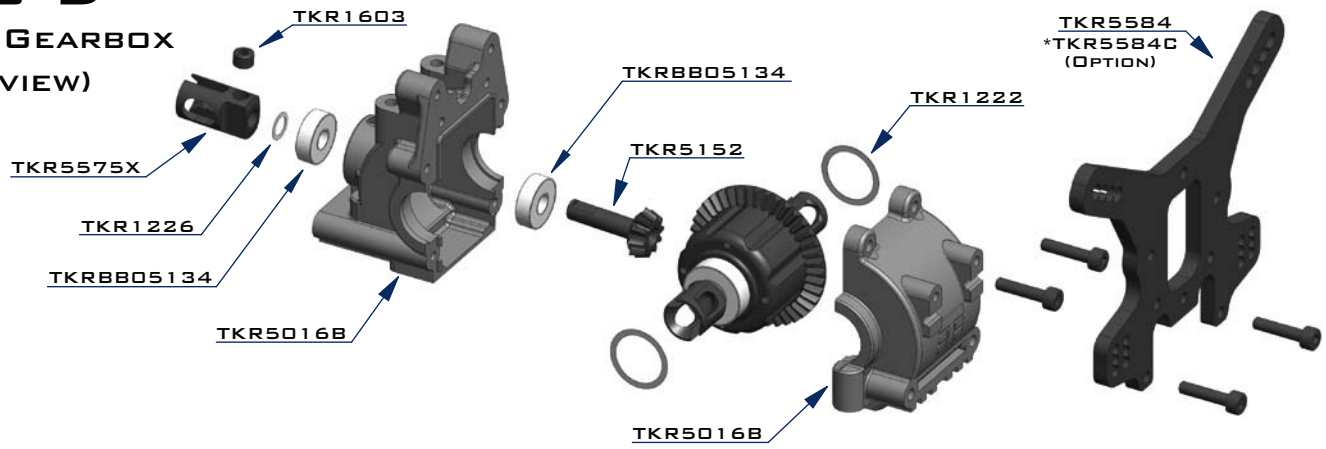
Step C-2

Step C-3

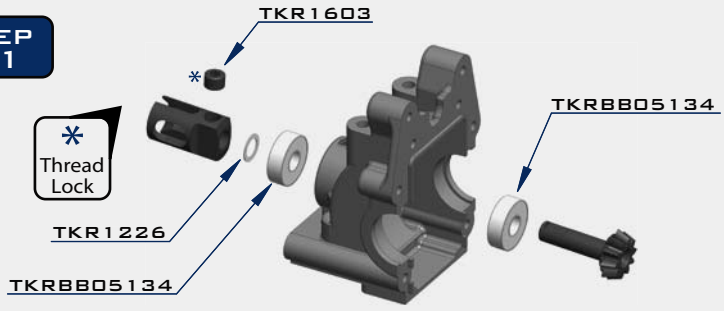


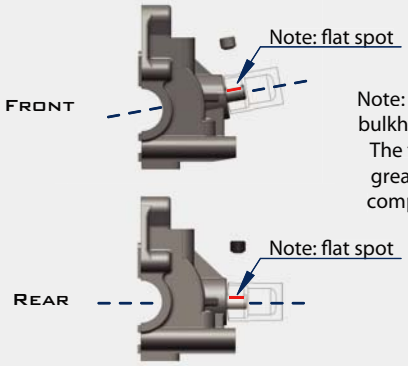
Bag D

Rear Gearbox (overview)



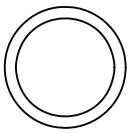
Step D-1





Note: The front and rear bulkheads are different. The front has a much greater output angle compared to the rear.

Note: TKR1222 and TKR1226 Shims - The gear mesh should be tight without any binding. TKR1226 should always be installed. Then test fitment of the diff with both TKR1222 shims on the gear-side of the diff. If the diff turns freely without binding, continue to next step. If the diff binds and does not turn freely (it will make a grinding or crunching sound when spun), remove one TKR1222 shim from the gear side and install it onto the other side of the diff. Reassemble and test the mesh again. If it is still binding, remove the second TKR1222 shim from the gear side and install it onto the other side of the diff. When you are satisfied that you have the best gear mesh possible continue to the next step. You may end up using only one shim on the gear side.

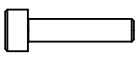


x2

TKR1222
13x16x0.1mm Diff Shim

x1

TKR1226
5x7x0.2mm Shim

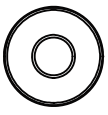


x4

TKR1525
M3x14mm Cap Head Screw

x1

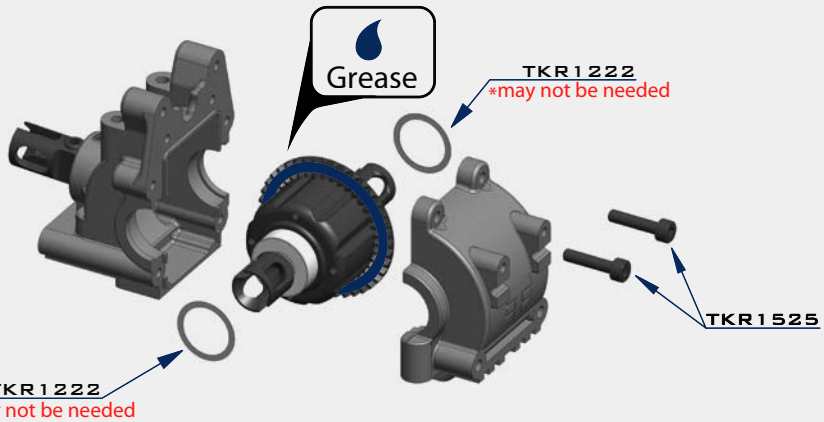
TKR1603
M5x4mm Set Screw



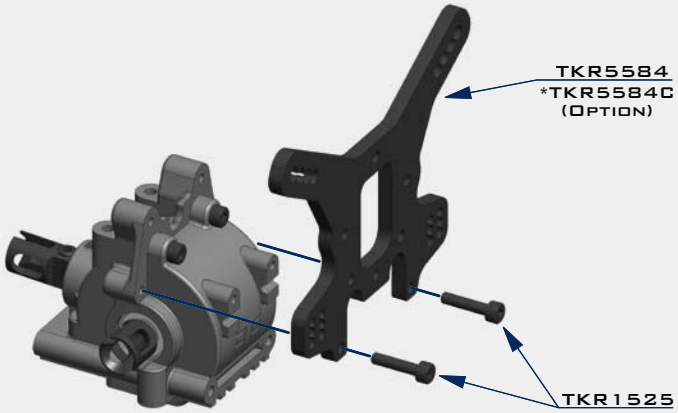
x2

TKRBB05134
Ball Bearing (5x13x4)

Step D-2



Step D-3

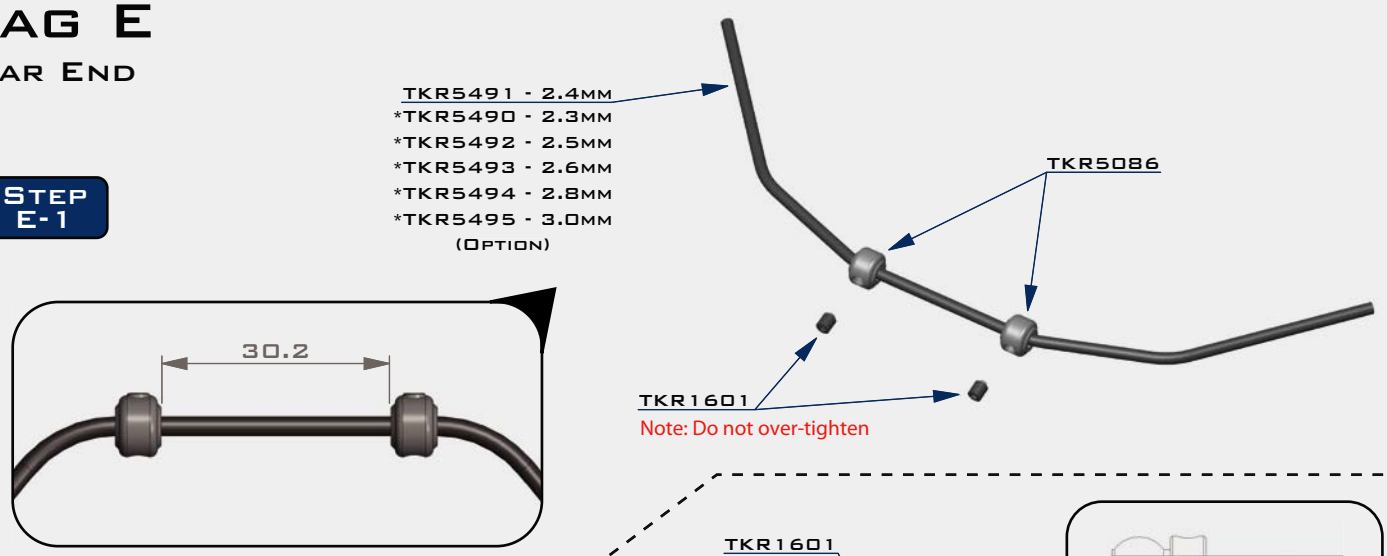


Bag E

Rear End

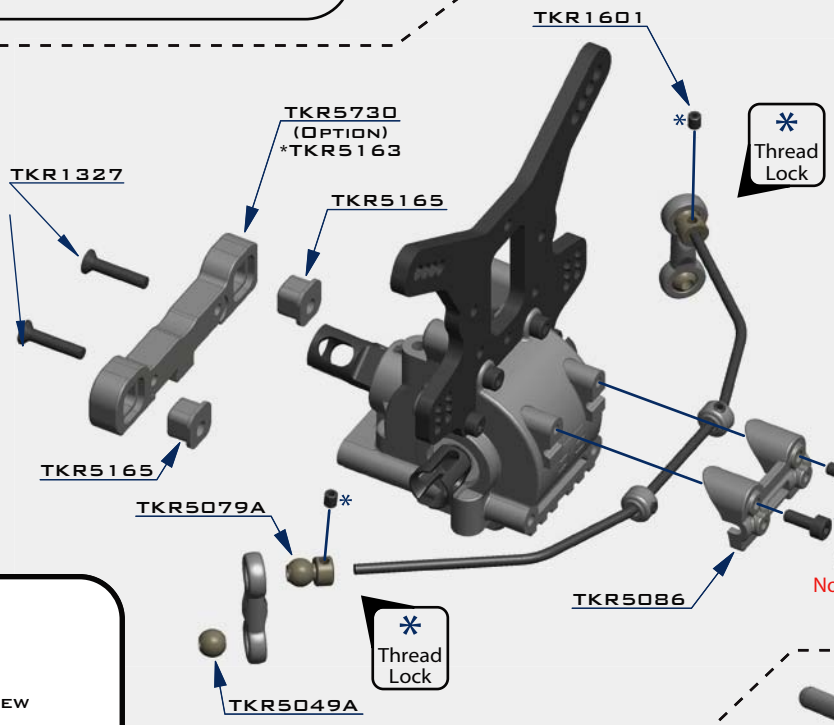
Step E-1

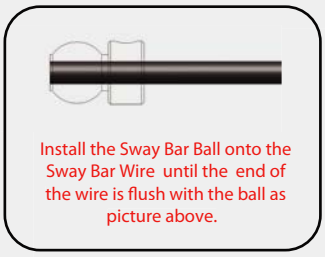
TKR5491 - 2.4mm
*TKR5490 - 2.3mm
*TKR5492 - 2.5mm
*TKR5493 - 2.6mm
*TKR5494 - 2.8mm
*TKR5495 - 3.0mm
(Option)



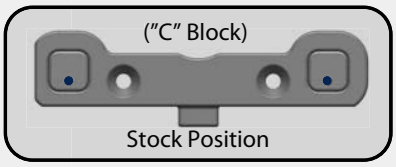
Note: Do not over-tighten

Step E-2

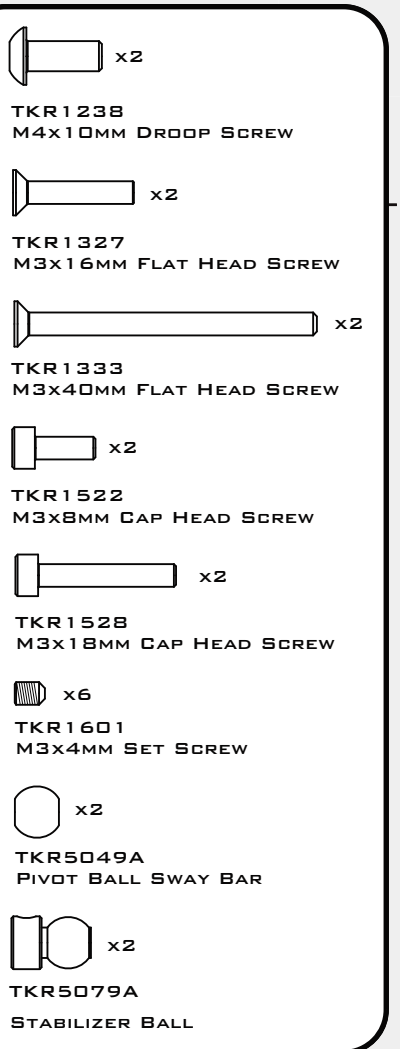




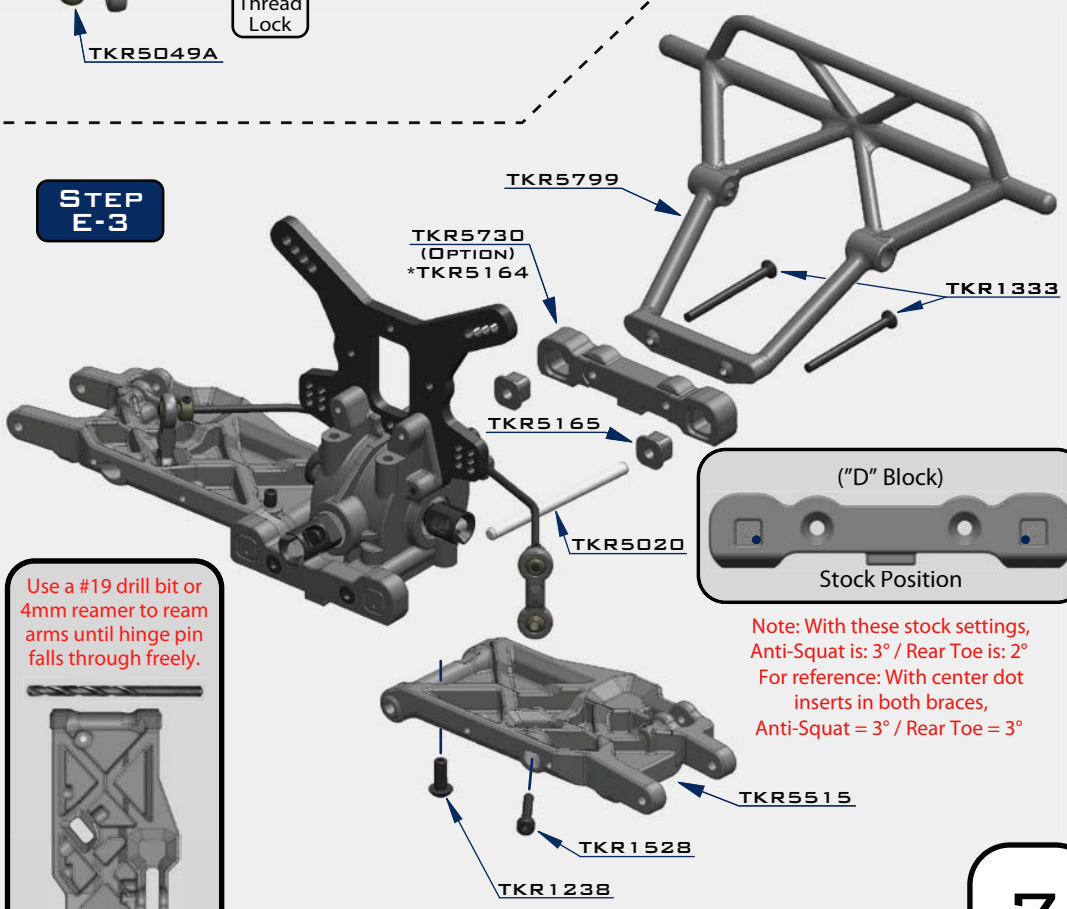
Install the Sway Bar Ball onto the Sway Bar Wire until the end of the wire is flush with the ball as picture above.



Note: Loosen the M3x4 set screw (TKR1601) if the anti-roll bar does not turn freely.



Step E-3



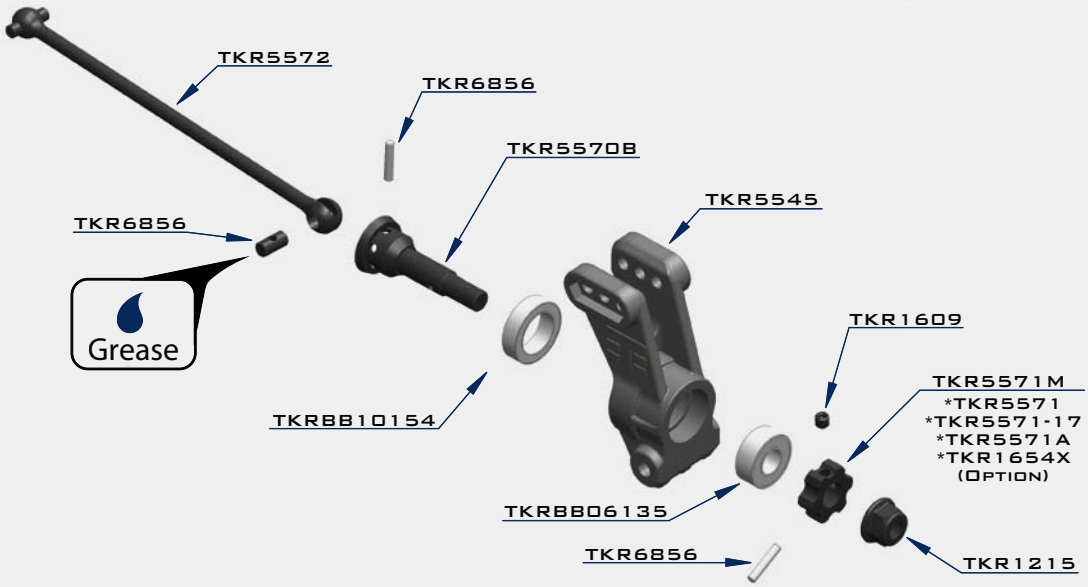
Note: With these stock settings, Anti-Squat is: 3° / Rear Toe is: 2°
For reference: With center dot inserts in both braces, Anti-Squat = 3° / Rear Toe = 3°

Use a #19 drill bit or 4mm reamer to ream arms until hinge pin falls through freely.

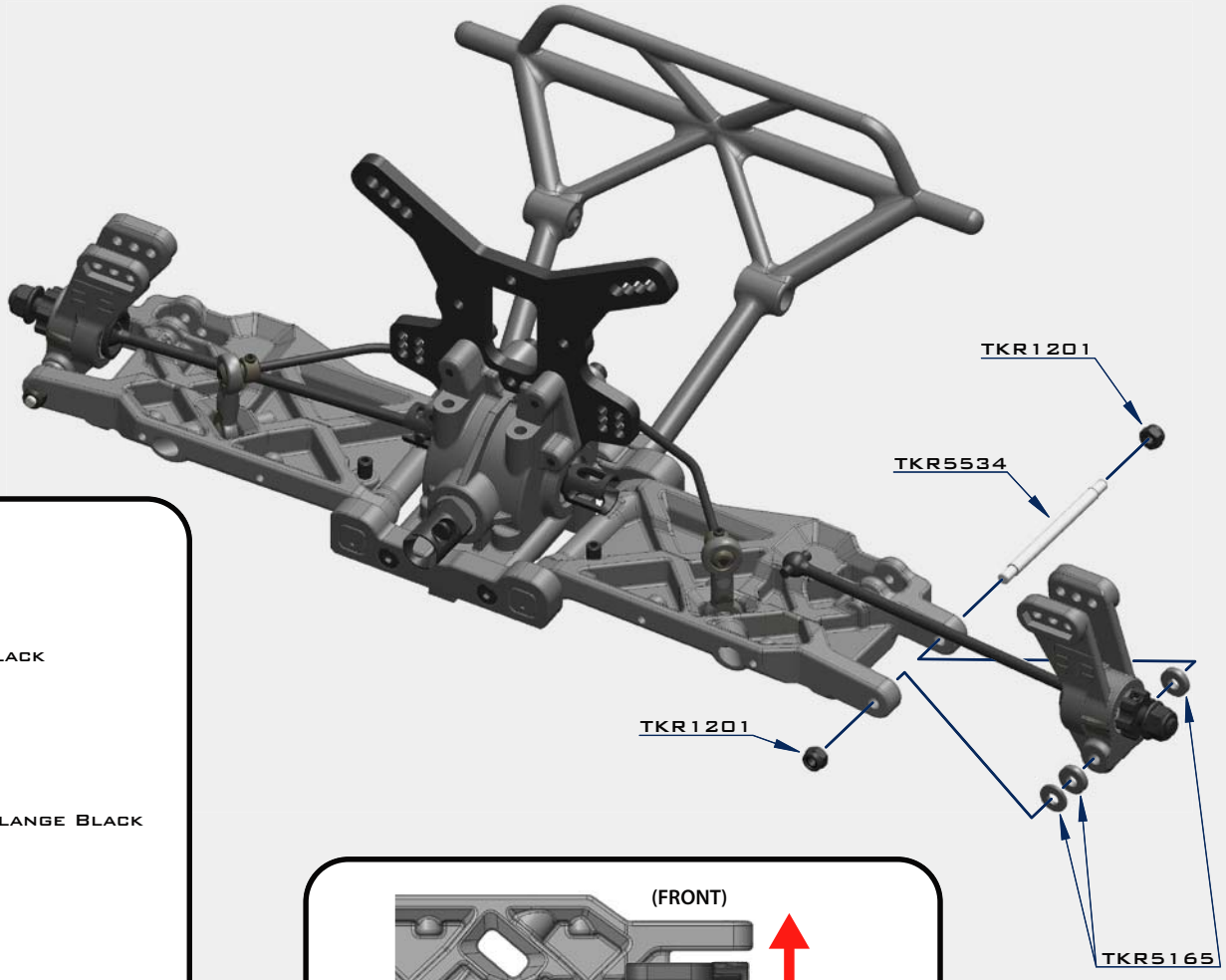
Bag F

Rear Hub/CVA Assembly

Step F-1



Step F-2



x4

TKR1201
M3 Locknut Black

x2

TKR1215
M4 Lock Nut Flange Black

x4

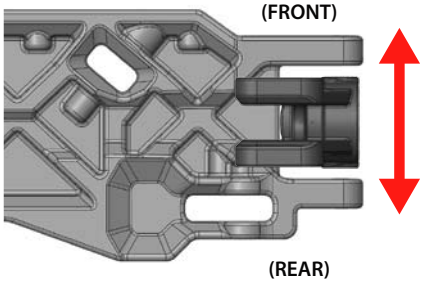
TKR6856
CV Joint Pin

x2

TKRBB06135
Ball Bearing (6x13x5)

x2

TKRBB10154
Ball Bearing (10x15x4)

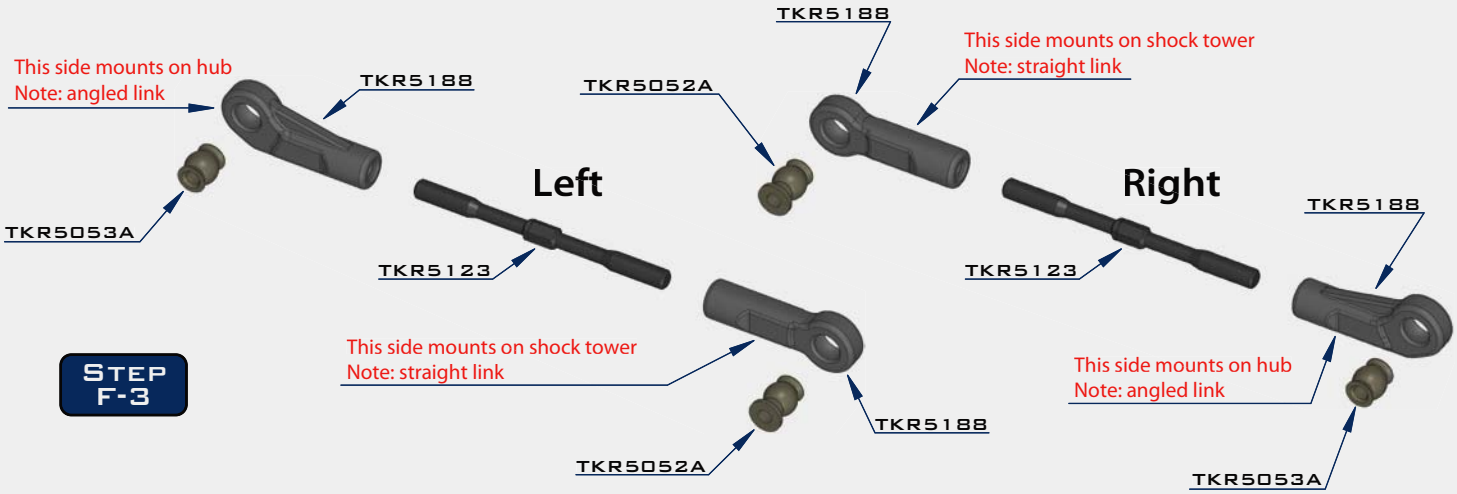


Changes to the wheelbase have a dramatic effect on handling, since it shifts the disribution of weight over the rear wheels. This adjusts traction. By shortening the wheelbase at the rear, you are placing more weight over the rear wheels.

Changes to the wheelbase also change the amount of sweep the rear driveshaft will have. More driveshaft sweep creates an effect similar to anti-squat, where the rear end gets pushed upwards on throttle. This helps reduce chassis slap landing jumps on throttle.

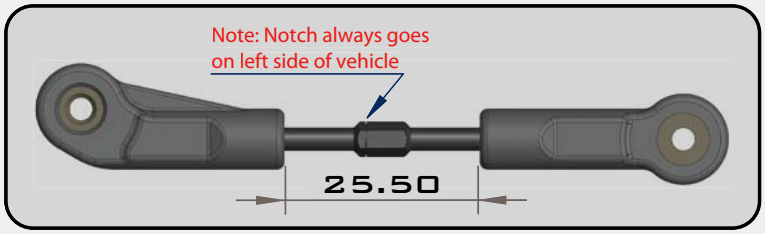
Bag F

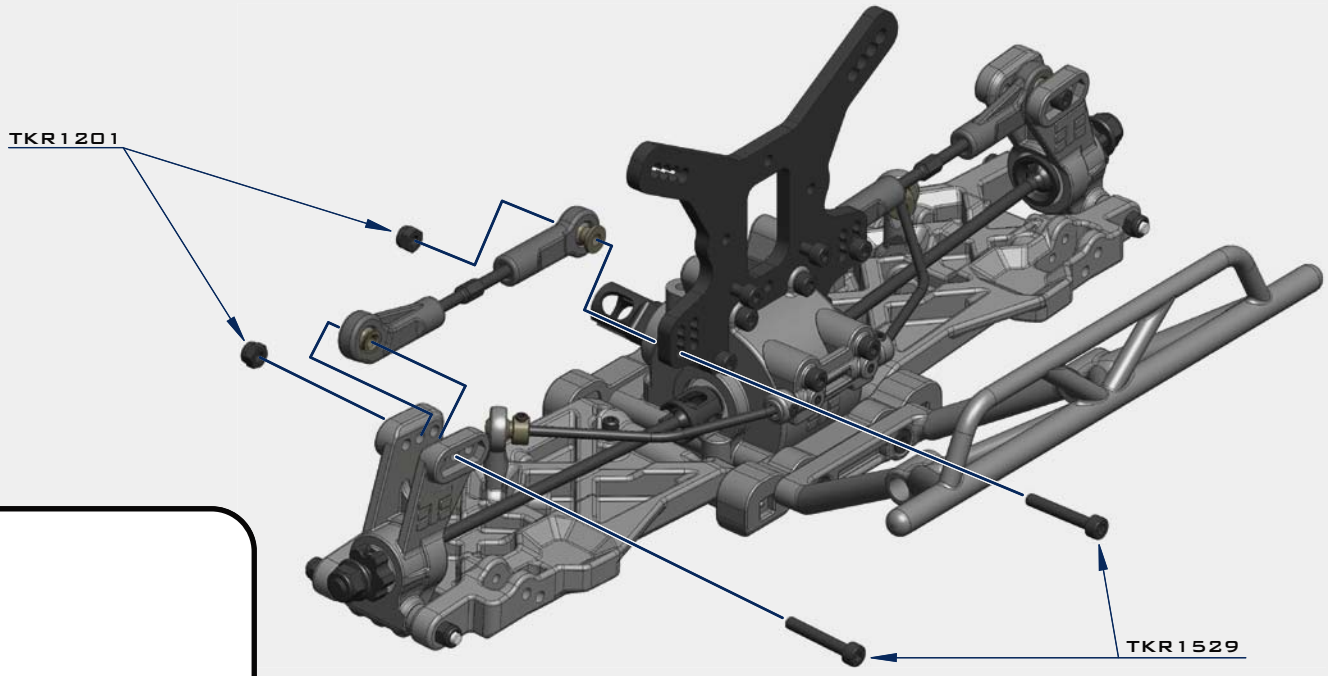
Rear Camber Links



Step F-3

Step F-4





x4

TKR1201
M3 Locknut Black

x4

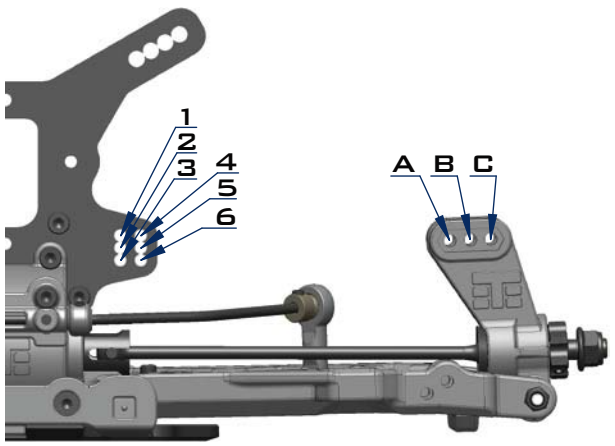
TKR1529
M3x20mm Cap Head Screw

x2

TKR5052A
Pivot Ball M3x6.8mm

x2

TKR5053A
Pivot Ball M3x6.8mm
No Flange

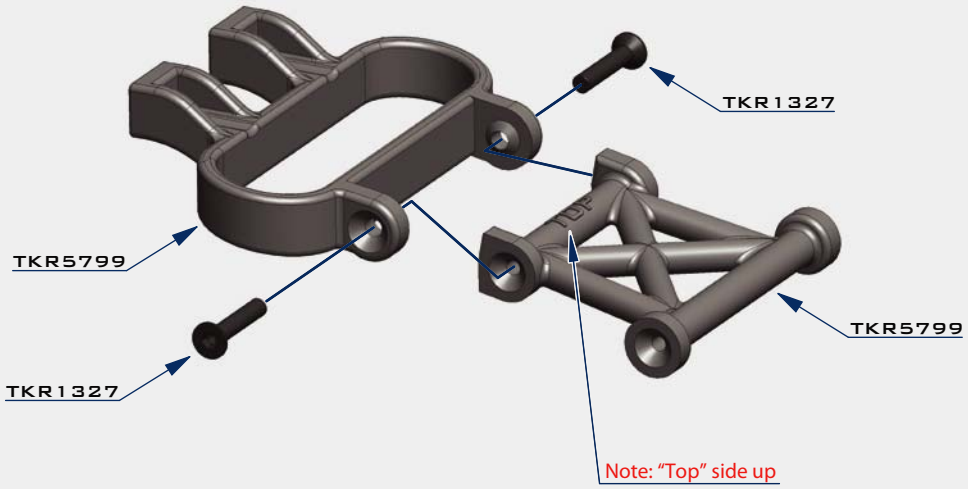


Stock position is 6/B

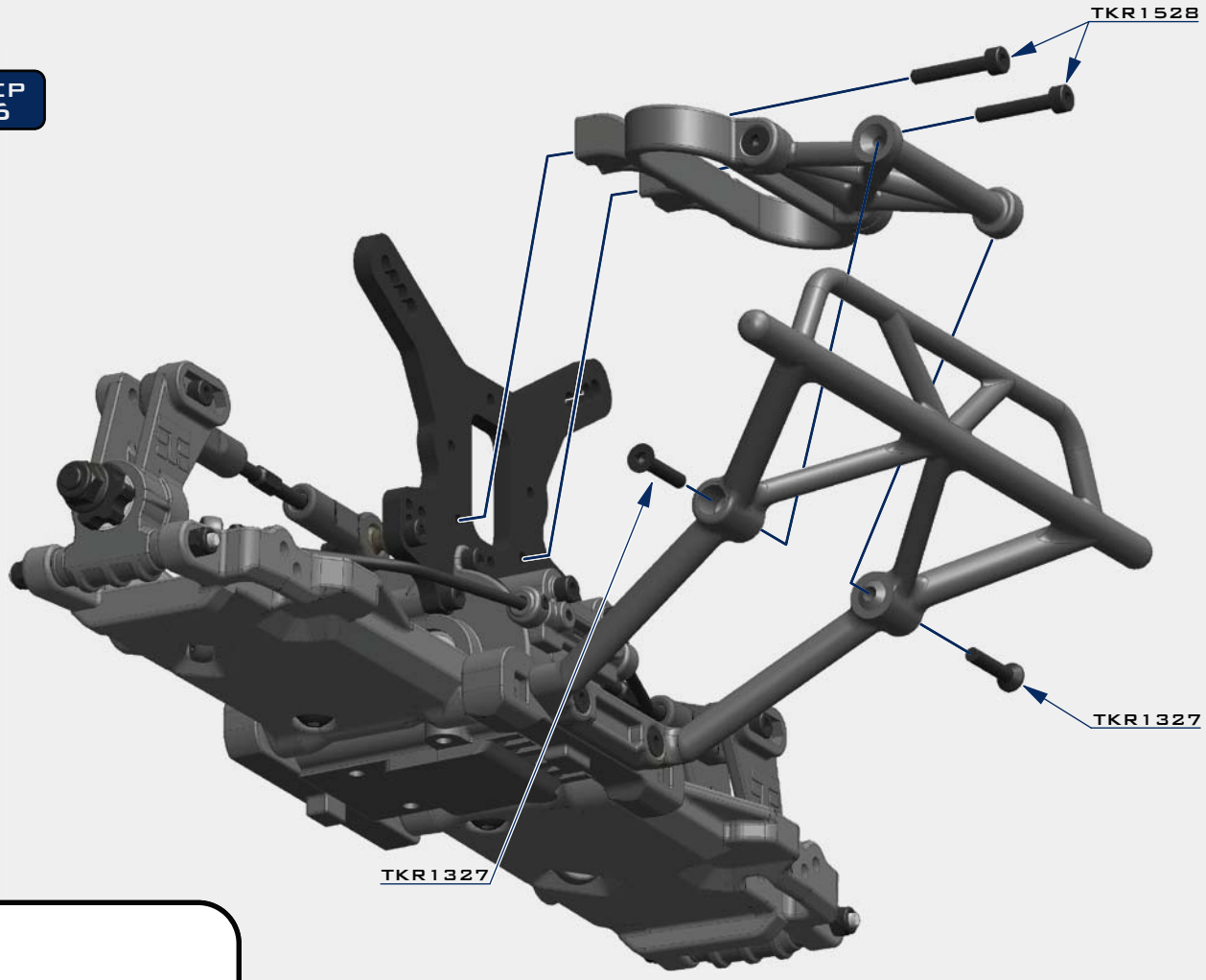
Bag F

Rear Bumper

Step F-5



Step F-6



x4

TKR1327
M3x16mm Flat Head Screw

x2

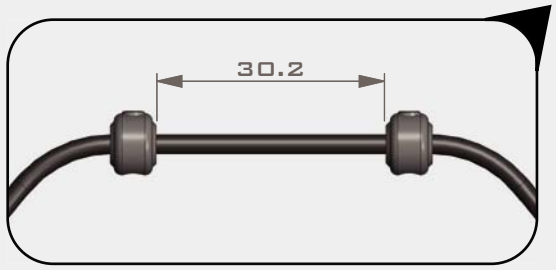
TKR1528
M3x18mm Cap Head Screw

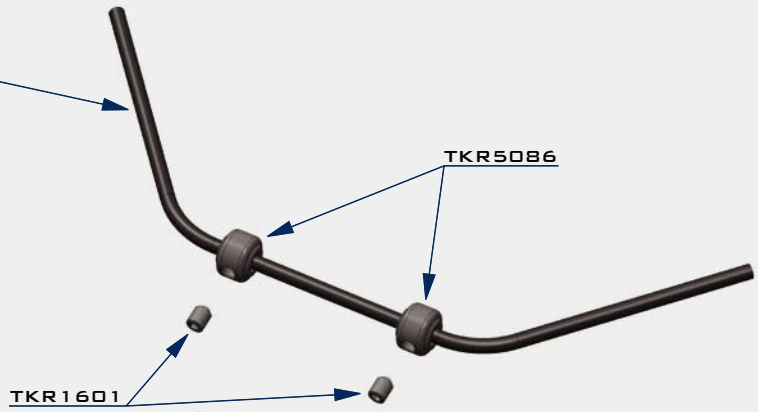
Bag G

Front End

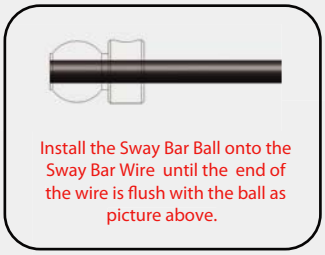
Step G-1

TKR5084 - 2.6mm
*TKR5080 - 2.2mm
*TKR5081 - 2.3mm
*TKR5082 - 2.4mm
*TKR5083 - 2.5mm
*TKR5085 - 2.8mm
*TKR5087 - 3.0mm
(Option)



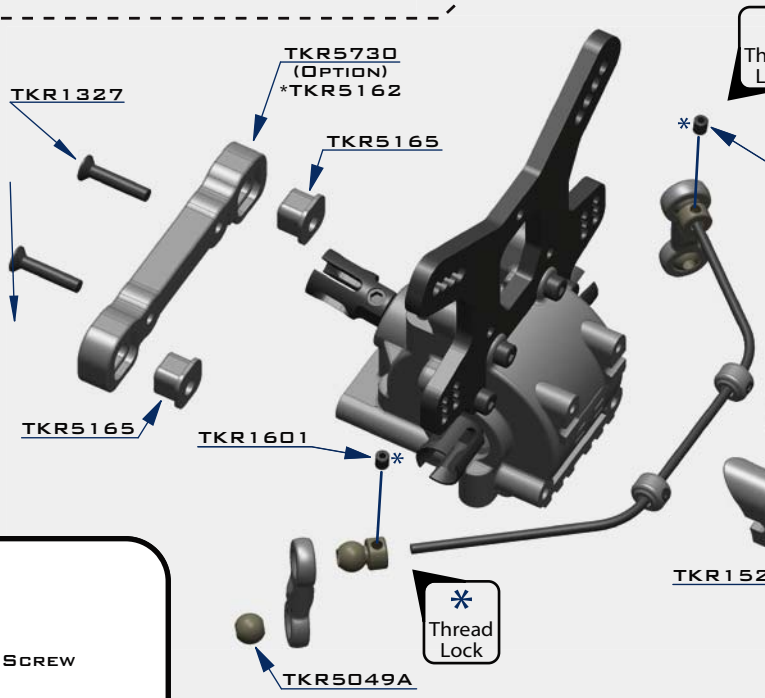


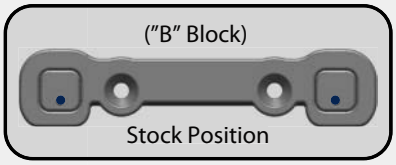
Note: Do not over-tighten

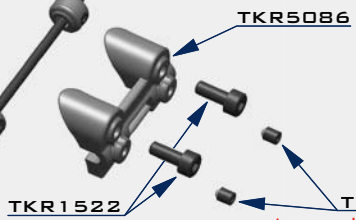


Install the Sway Bar Ball onto the Sway Bar Wire until the end of the wire is flush with the ball as picture above.

Step G-2







Loosen the M3x4 set screw (TKR1601) if the anti-roll bar does not turn freely.

x2
TKR1238
M4x10mm Droop Screw

x2
TKR1327
M3x16mm Flat Head Screw

x2
TKR1333
M3x40mm Flat Head Screw

x2
TKR1522
M3x8mm Cap Head Screw

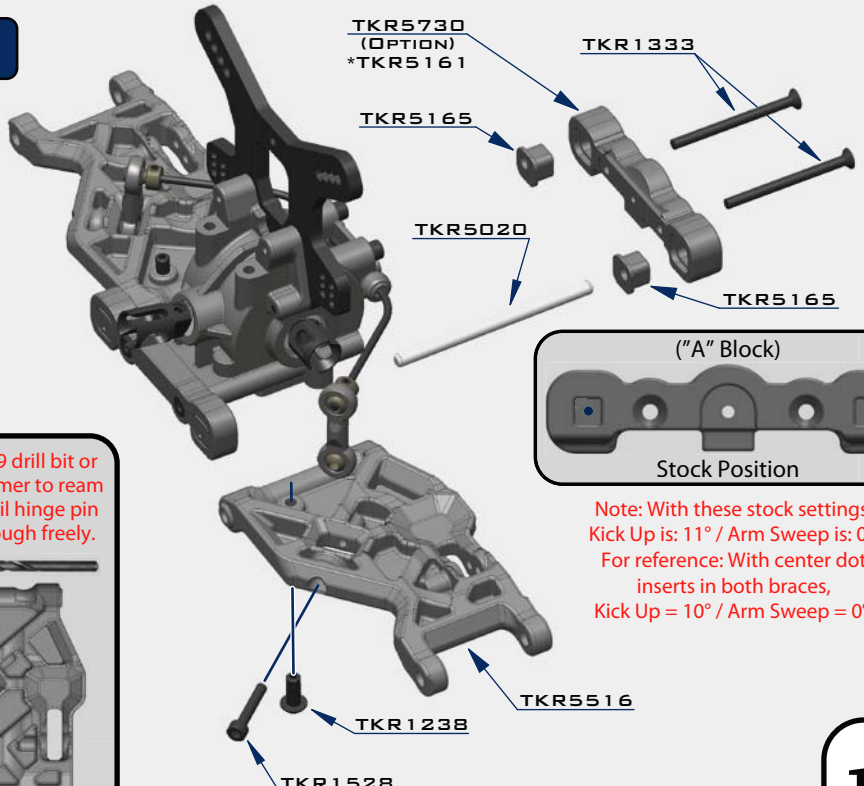
x2
TKR1528
M3x18mm Cap Head Screw

x6
TKR1601
M3x4mm Set Screw

x2
TKR5049A
Pivot Ball Sway Bar

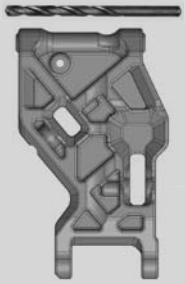
x2
TKR5079A
Stabilizer Ball

Step G-3



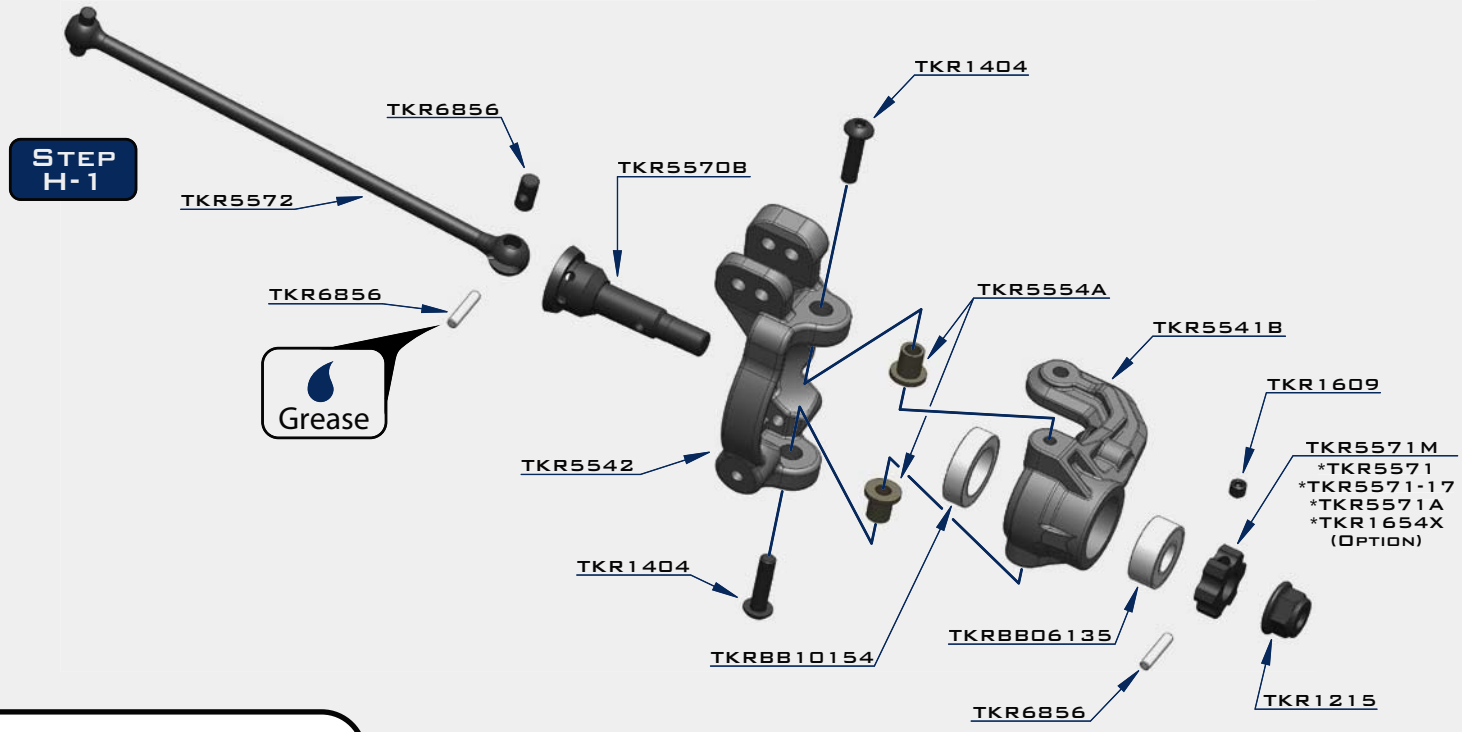
Note: With these stock settings,
Kick Up is: 11° / Arm Sweep is: 0°
For reference: With center dot inserts in both braces,
Kick Up = 10° / Arm Sweep = 0°

Use a #19 drill bit or 4mm reamer to ream arms until hinge pin falls through freely.



Bag H

Front Spindle / CVA Assembly



x2
TKR1215
M4 Lock Nut Flange Black

x4
TKR1404
M3x12mm Button Head Screw

x4
TKR1407
M3x16mm Button Head Screw

x4
TKR5554A
Spindle Pin Sleeve

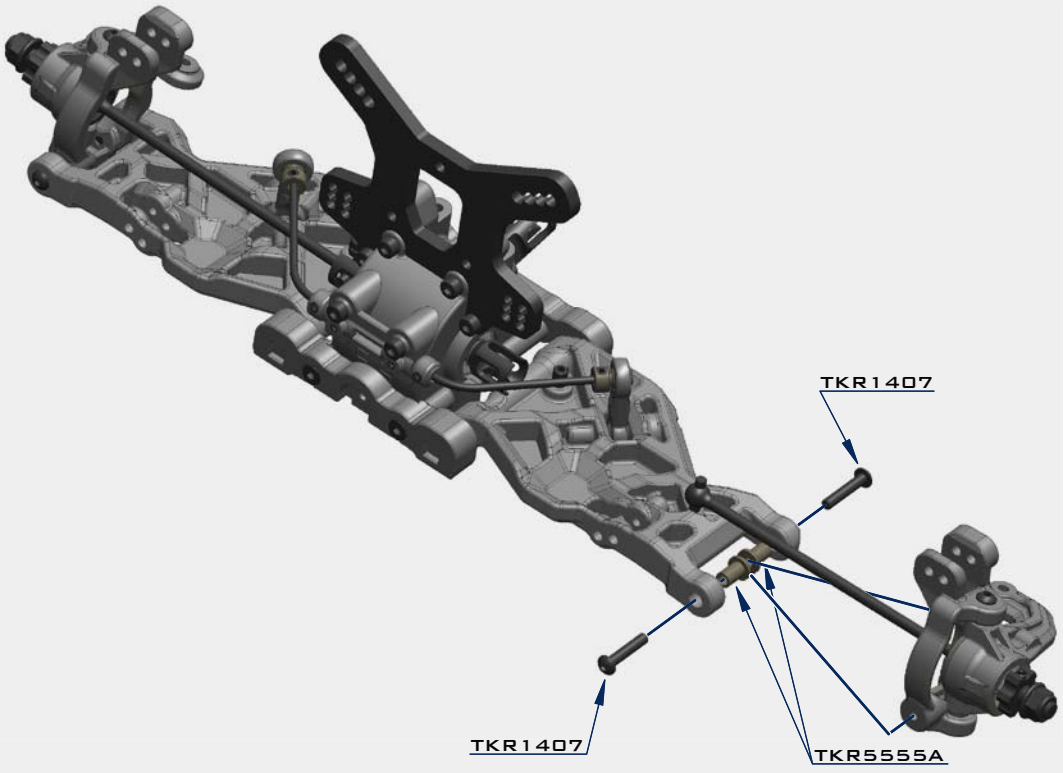
x4
TKR5555A
Suspension Pin Sleeve

x4
TKR6856
CV Joint Pin

x2
TKRBB06135
Ball Bearing (6x13x5)

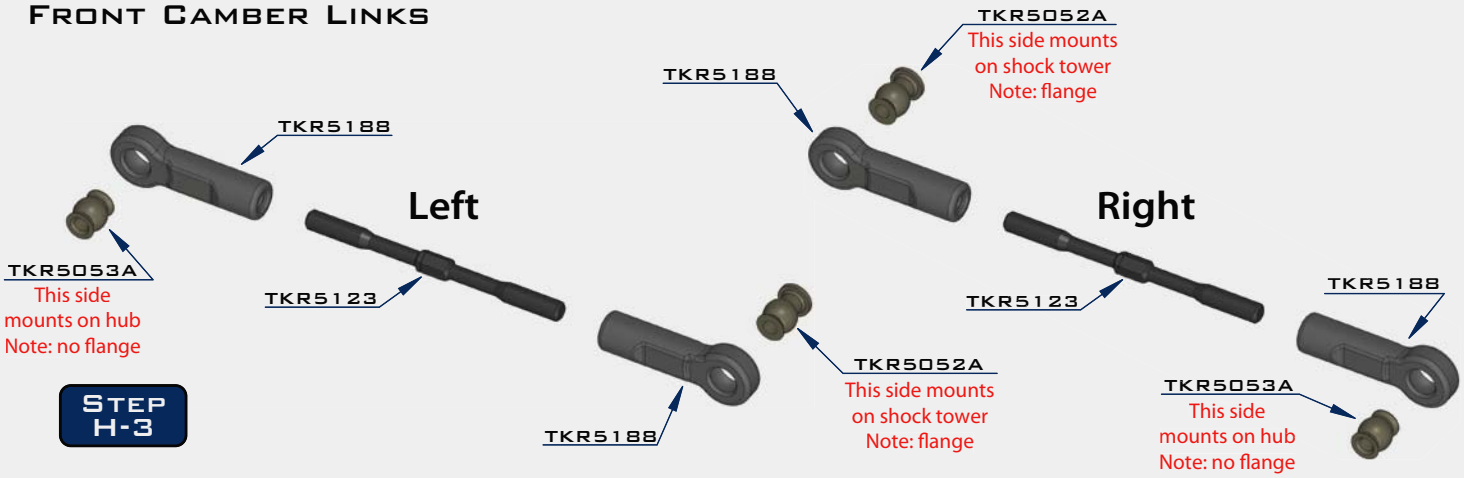
x2
TKRBB10154
Ball Bearing (10x15x4)

Step H-2



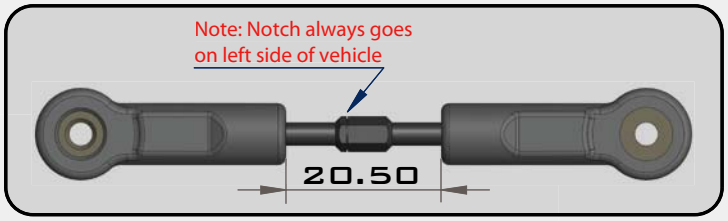
Bag H

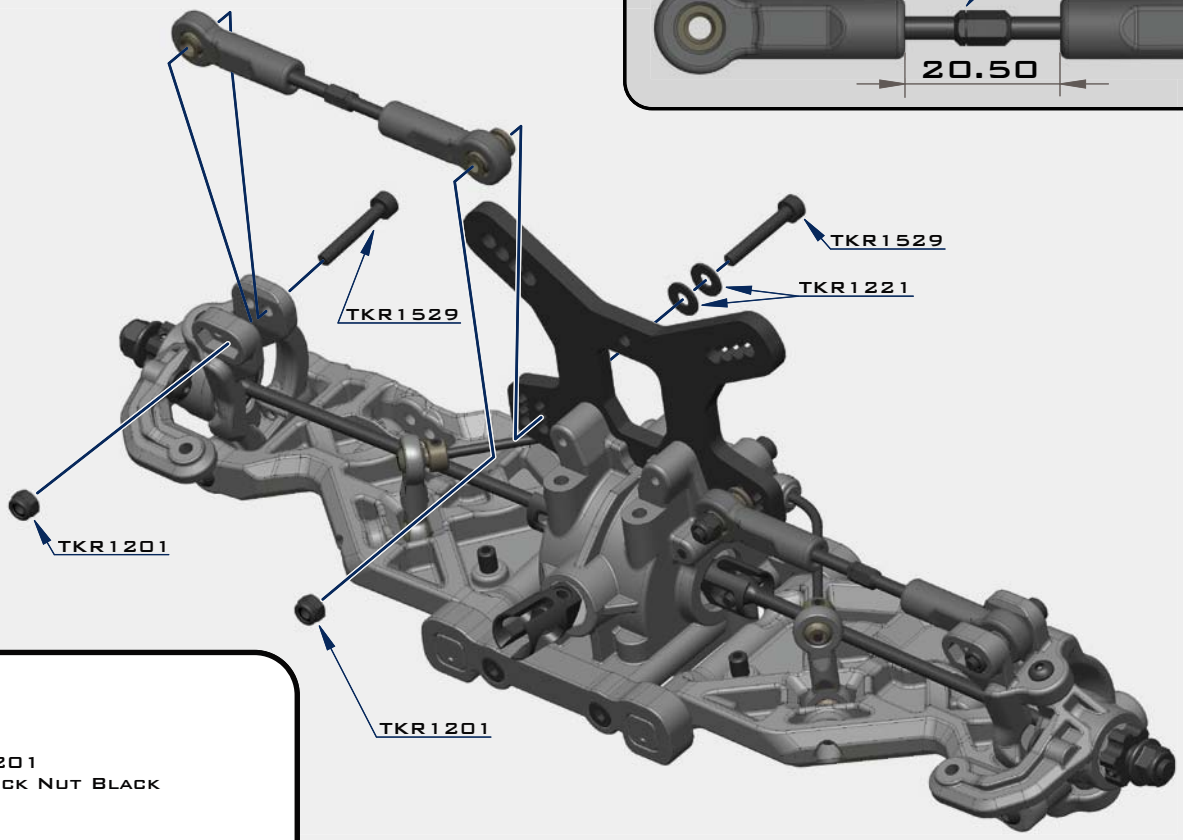
Front Camber Links



Step H-3

Step H-4





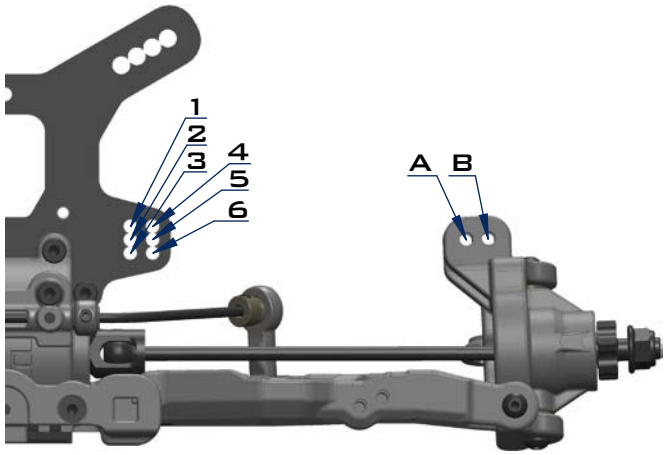
x4
TKR1201
M3 Lock Nut Black

x4
TKR1221
M3x8mm Washer

x4
TKR1529
M3x20mm Cap Head Screw

x2
TKR5052A
Pivot Ball M3x6.8mm

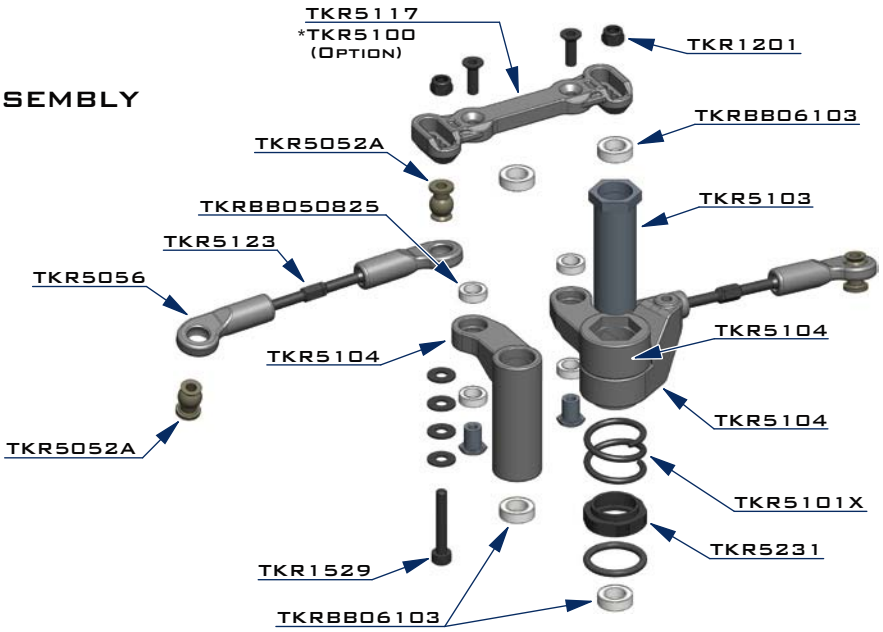
x2
TKR5053A
Pivot Ball M3x6.8mm
No Flange



Stock position is 2/A

Bag I

Steering Assembly (Overview)

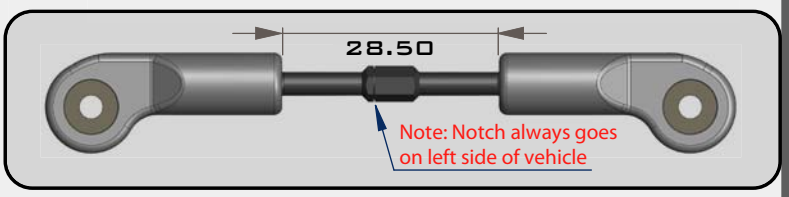


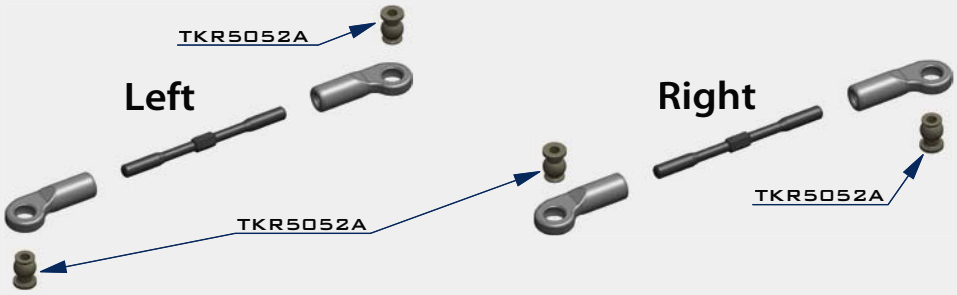
Step I-1

Note: Tighten nut all the way down, then back it off 3 full turns

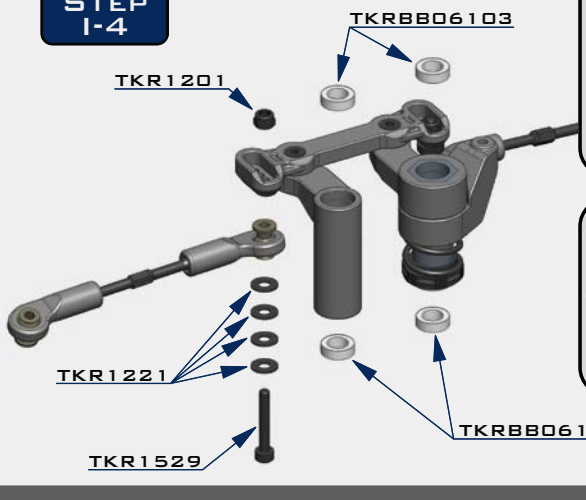
Step I-2

Step I-3

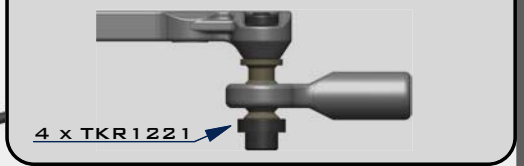


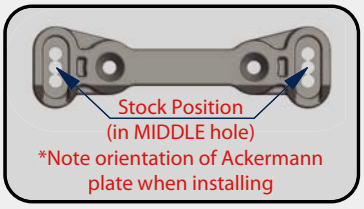


Step I-4



Note: Stock bumpsteer setting is 4 washers under the steering ball link.





x2
TKR1201
M3 Lock Nut Black

x8
TKR1221
M3x8mm Washer

x2
TKR1323
M3x10mm Flat Head Screw

x2
TKR1529
M3x20mm Cap Head Screw

x4
TKR5052A
Pivot Ball M3x6.8mm

x1
TKR5231
O-ring 16x12x2

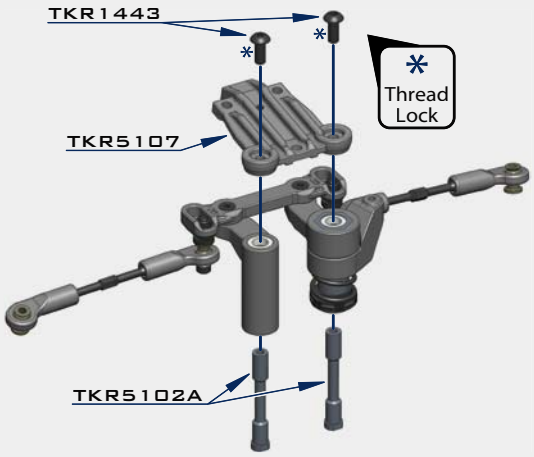
x4
TKRBB050825
Ball Bearing (5x8x2.5)

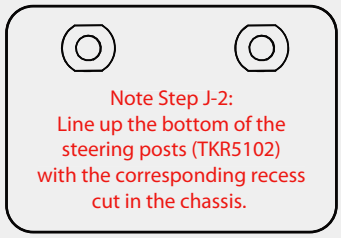
x4
TKRBB06103
Ball Bearing (6x10x3)

Bag J

Front End Assembly

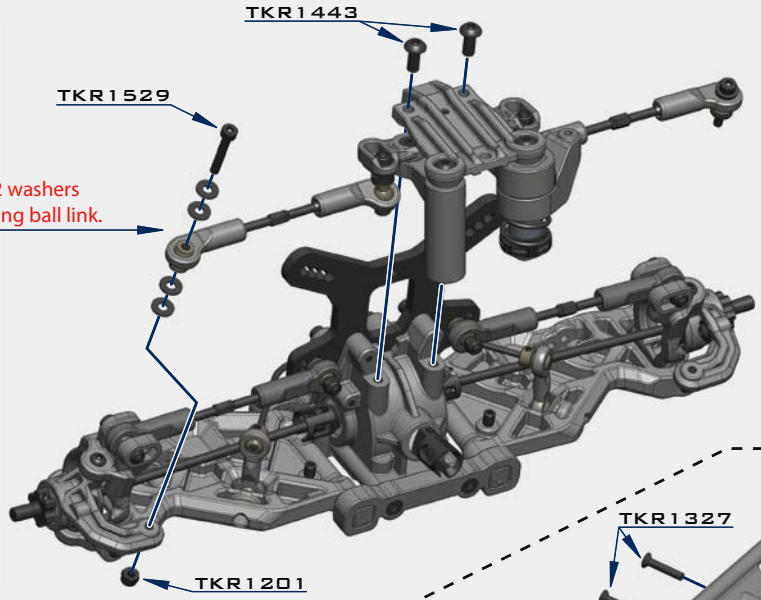
Step J-1





Note Step J-2:
Line up the bottom of the steering posts (TKR5102) with the corresponding recess cut in the chassis.

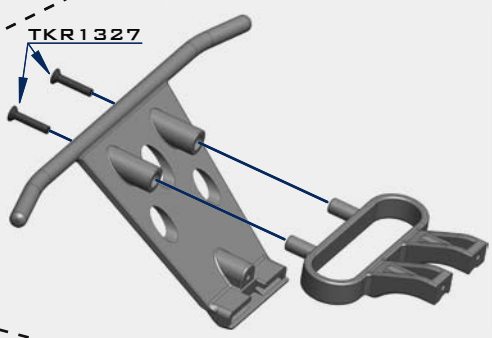
Step J-2



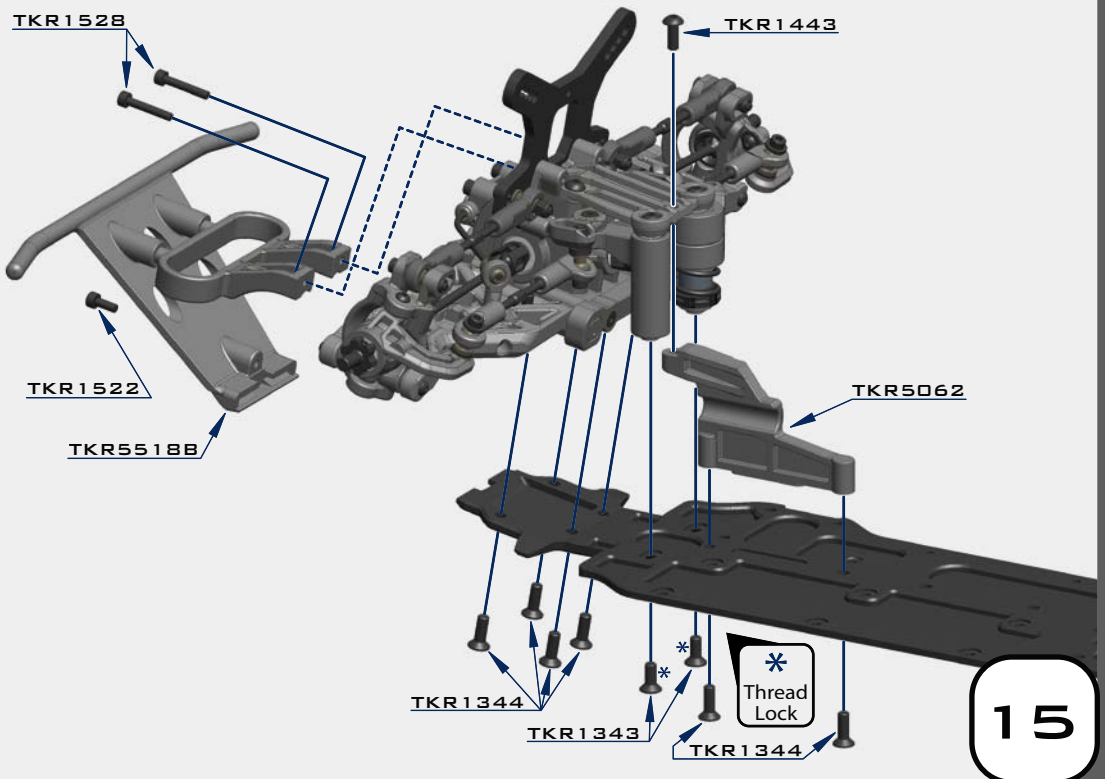
Note: Initial bumpsteer setting is 2 washers above and 2 washer below the steering ball link.

Note: on steps J-1, J-2 and J-4 Do not tighten the chassis screws all the way down until the assembly steps are complete. Position the entire front assembly on the chassis and tighten each screw evenly.

Step J-3

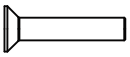


Step J-4

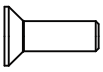


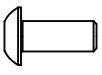

x2
TKR1201
M3 Lock Nut Black


x8
TKR1221
M3x8mm Washer

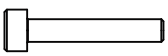

x2
TKR1327
M3x16mm Flat Head Screw

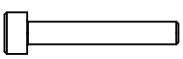

x2
TKR1343
M4x10mm Flat Head Screw


x6
TKR1344
M4x12mm Flat Head Screw


x5
TKR1443
M4x10mm Button Head Screw


x1
TKR1522
M3x8mm Cap Head Screw

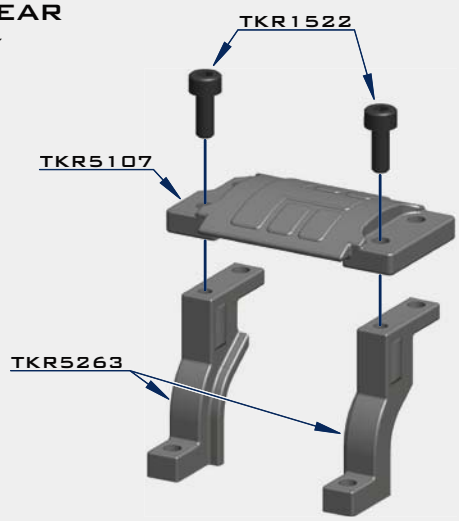

x2
TKR1528
M3x18mm Cap Head Screw


x2
TKR1529
M3x20mm Cap Head Screw

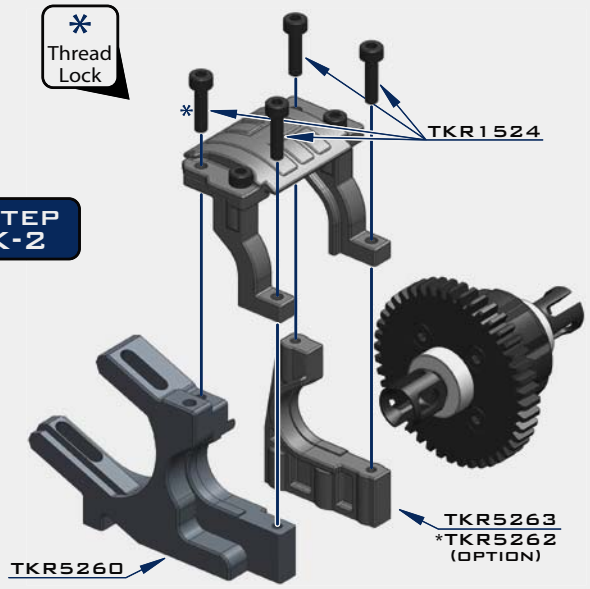
Bag K

Center/Rear Assembly

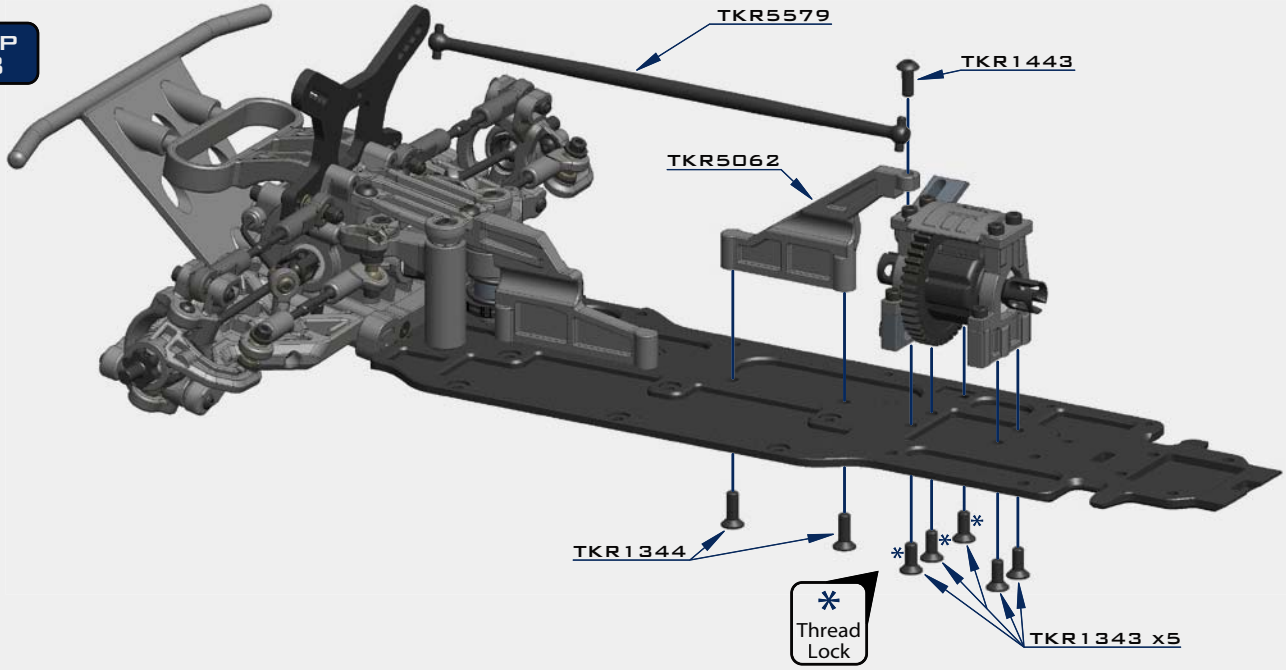
Step K-1



Step K-2



Step K-3



x5
TKR1343
M4x10mm Flat Head Screw

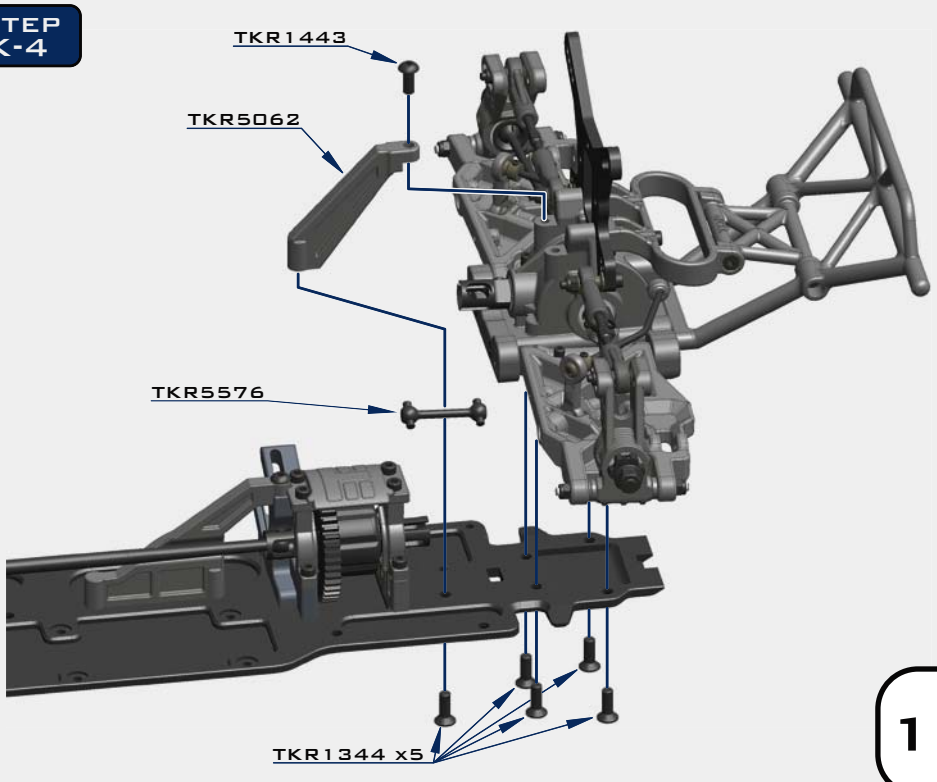
x7
TKR1344
M4x12mm Flat Head Screw

x2
TKR1443
M4x10mm Button Head Screw

x2
TKR1522
M3x8mm Cap Head Screw

x4
TKR1524
M3x12mm Cap Head Screw

Step K-4



Shock Filling Instructions

For both front and rear shocks

The following steps and information will provide you with the best way to fill and bleed your shocks. After thorough testing, we've found it's easiest to complete steps 1 through 3 on each shock before moving onto step 4. By the time you've finished step 3 on the last shock the first one will be ready for step 4.

Standard or Vented Cap Build:

Step 1: Extend the shock shaft all the way down. Fill the shock with oil until the it is about 90% full.

Step 2: Slowly pump the shock shaft up and down 3-5 times to release air bubbles from underneath the piston.

Step 3: Let the shock rest vertically with the shock shaft fully extended for five minutes or until all the air bubbles have released.

Step 4: Next you will top off the shock with oil, to about 1-2mm below the top edge.
(If you do overfill the shock, it won't hurt performance, it will just spill out and make a little bit of a mess. If you underfill the shock, it will cause air to be trapped inside.)

Step 5: Place the bladder *INSIDE* the shock cap and put a few drops of oil on the bladder.

Step 6: Put a paper towel down below the build to catch drips and have another ready to wipe off excess oil. Place the cap on the shock and screw down about half way. Lay the shock over about 45 degrees with the bleeder hole facing up.

Step 6A: (Standard non-vented) Push the shaft in for the amount of rebound desired.

Step 6B: (Vented "Stock") Push the shaft in until about 15mm of shaft is showing.

- Make sure that you match the rebound amount between the left and right shocks.
- Oil should be oozing out of the bleeder hole.

Step 7: Hold the cap firmly in place with the bleeder hole facing up and turn the shock body until hand tight. The shock will continue to ooze oil.

Step 8: Fully tighten down each shock with shock tools until cap is secure and wipe excess oil away.

Emulsion Build:

Prep your shock caps TKR6018 (optional for EB48) accordingly by drilling out the large angled bleeder hole in the top of the cap. Place the larger thin o-ring around the base of the threads where the shock cap screws on (see diagram on the next page). This seal is crucial to the build.

Follow steps 1-4 above.

Step 5: Rebound is more of a natural side effect of an emulsion shock. It's not something that can be set accurately because you run the risk of hydrolocking the shock if you do not push the shaft all the way in when you bleed it. For now leave the shaft fully extended.

Step 6: Fill the shock up, over filling just slightly without spilling to create a small dome of oil.

Step 7: Place a little bit of oil in the shock cap and quickly put the shock cap on the shock body. Tighten the cap all the way down. Very slowly push the shaft in. Oil will start to bleed out of the top of the cap. While wiping away excess oil, continue to slowly push the shaft in *ALL THE WAY*.
If no oil comes out when the shaft is fully inserted, you will need to start over at step 6.

Step 8: Install the TKR1341 M4x6mm flat head screw and TKR5125 black o-ring to seal the cap (see diagram). Tighten until o-ring is fully seated.

Bag L

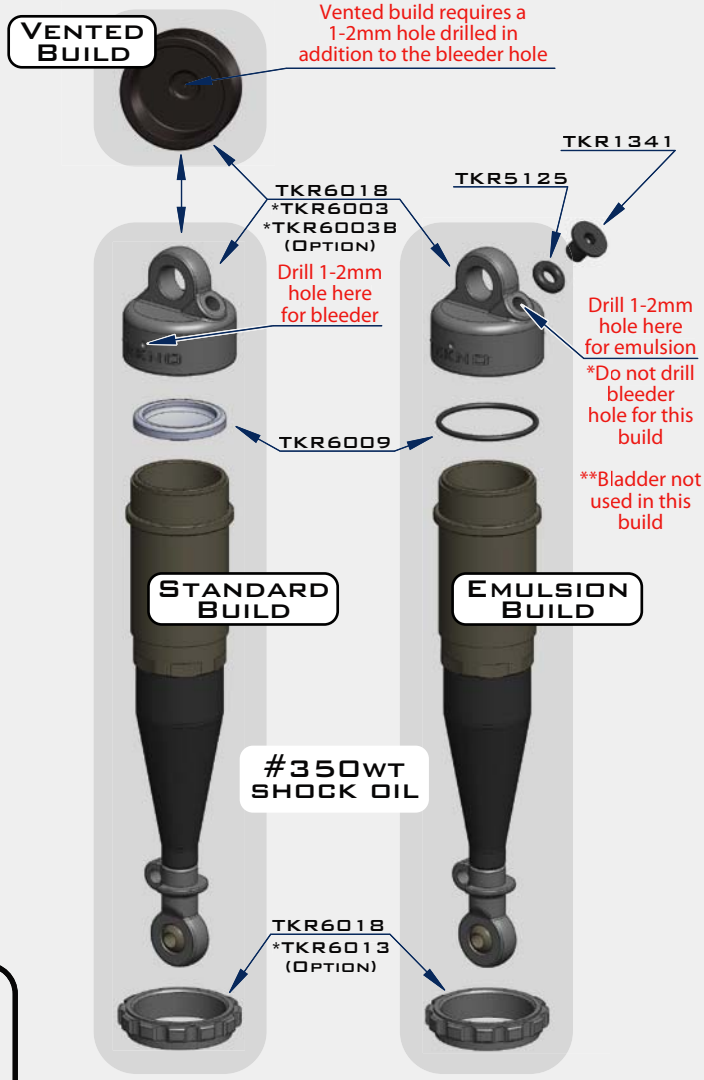
Front Shock Assembly

Step L-1

Step L-2

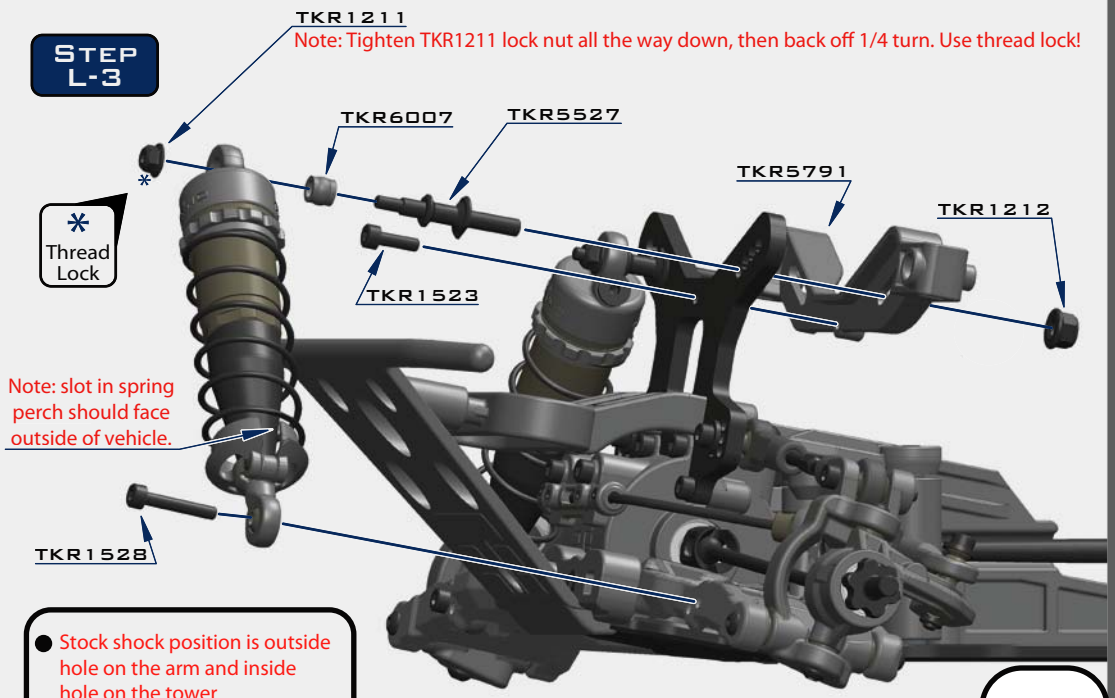
Shock Building Options

*NOTE: Vented is the prefered stock build



Note: front shocks use shorter shock bodies - TKR6002, shorter shock shafts - TKR6004, shorter springs - TKR6036 and shorter shock boots - TKR6143

Step L-3



- Stock shock position is outside hole on the arm and inside hole on the tower
- Stock front ride height is 25mm
- Shock length (droop) is 105mm

x2
TKR1200
M2.5 Lock Nut Zinc

x2
TKR1211
M3 Lock Nut Flange Black

x2
TKR1212
M4 Lock Nut Flange

x2
TKR1341
M4x6mm Flat Head Screw

x1
TKR1523
M3x10mm Cap Head Screw

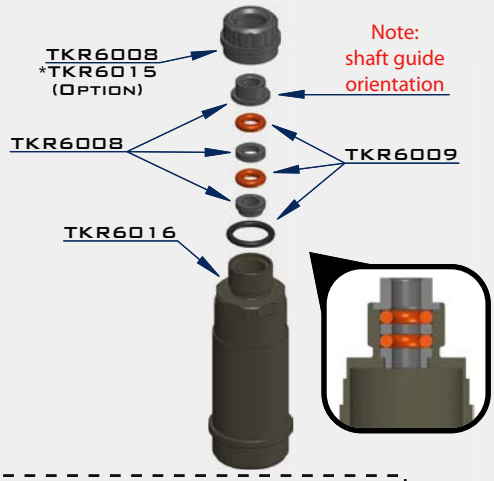
x2
TKR1528
M3x18mm Cap Head Screw

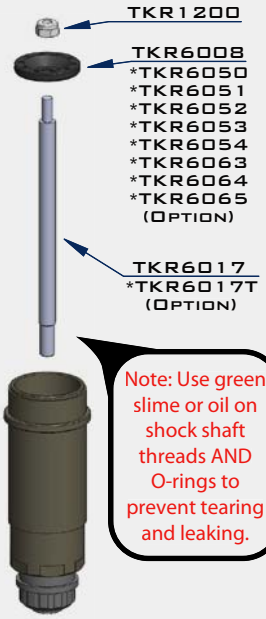
x2
TKR1605
M3x10mm Set Screw

Bag M

Front Shock Assembly

Step M-1



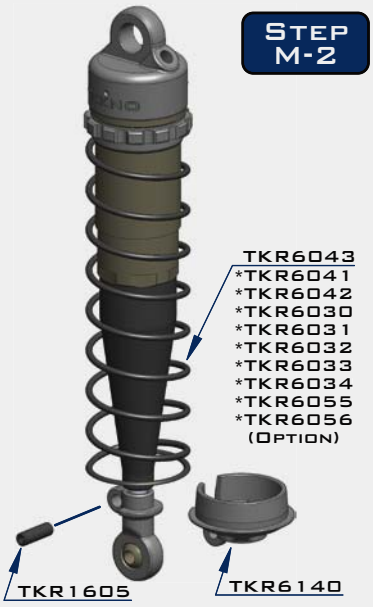


Note: Use green slime or oil on shock shaft threads AND O-rings to prevent tearing and leaking.

Note: Shock boots must be installed before attaching rod end.

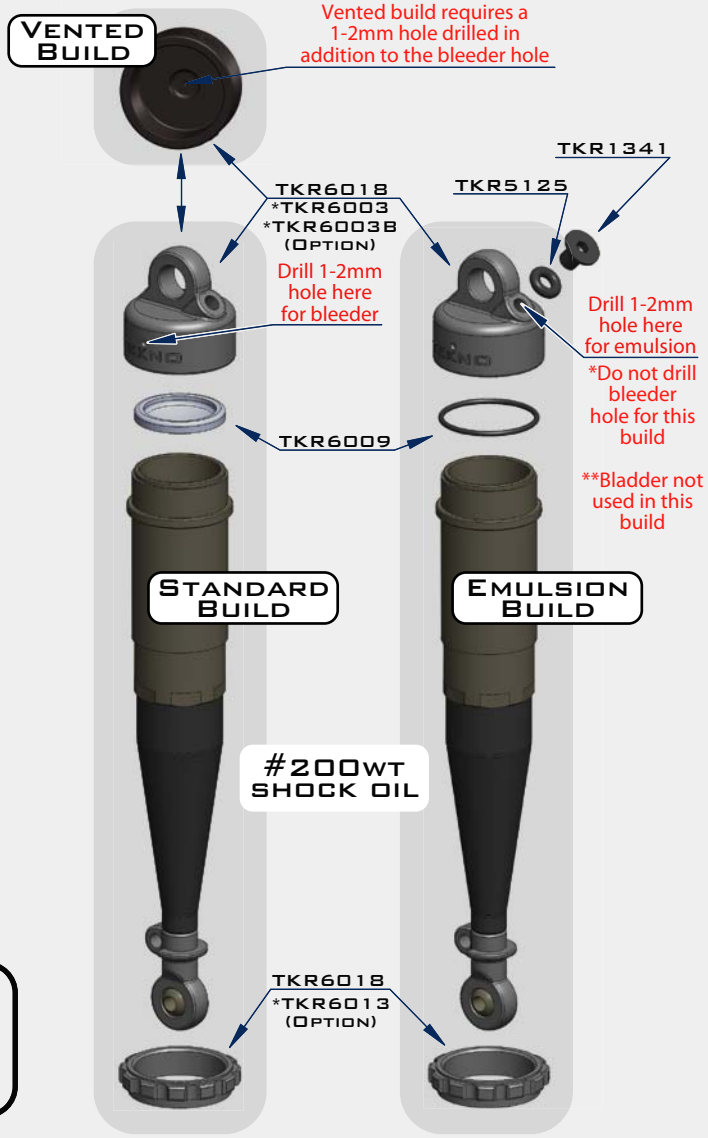
Note: rear shocks use longer shock bodies - TKR6016, longer shock shafts - TKR6017, longer springs - TKR6043 and longer shock boots - TKR6144

Step M-2



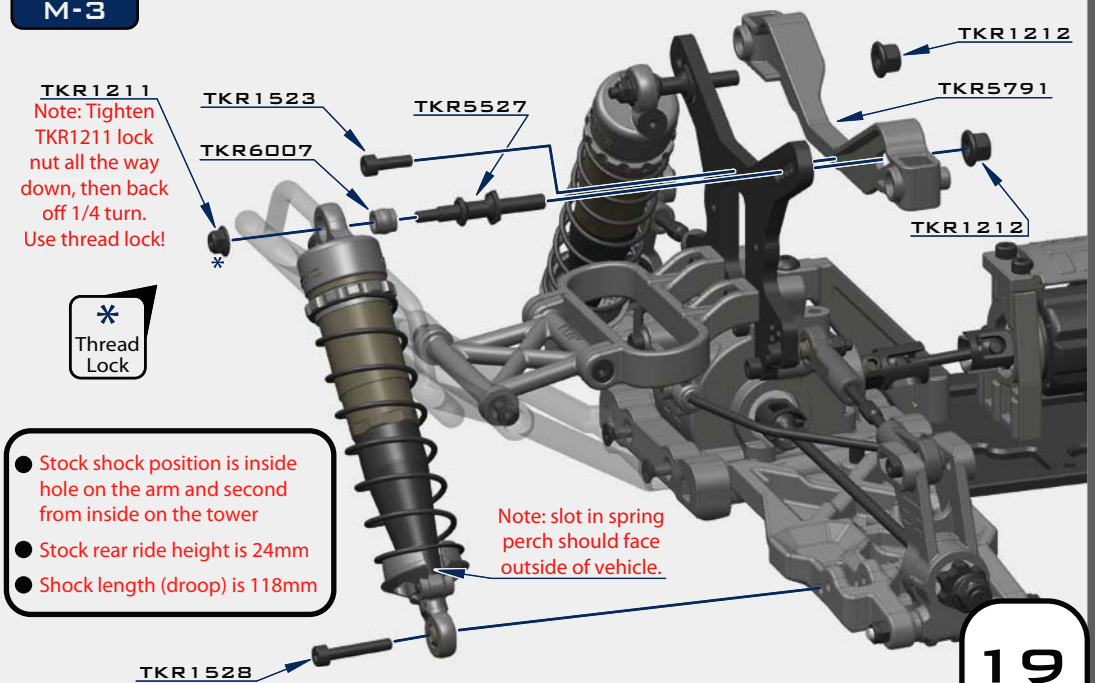
Shock Building Options

*NOTE: Vented is the prefered stock build



- x2 TKR1200 M2.5 Lock Nut Zinc
- x2 TKR1211 M3 Lock Nut Flange Black
- x2 TKR1212 M4 Lock Nut Flange
- x2 TKR1341 M4x6mm Flat Head Screw
- x1 TKR1523 M3x10mm Cap Head Screw
- x2 TKR1528 M3x18mm Cap Head Screw
- x2 TKR1605 M3x10mm Set Screw

Step M-3

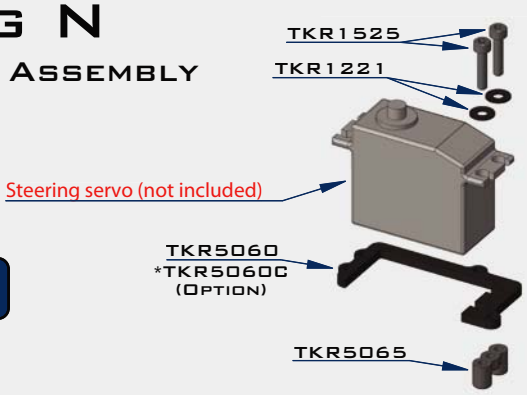


- Stock shock position is inside hole on the arm and second from inside on the tower
- Stock rear ride height is 24mm
- Shock length (droop) is 118mm

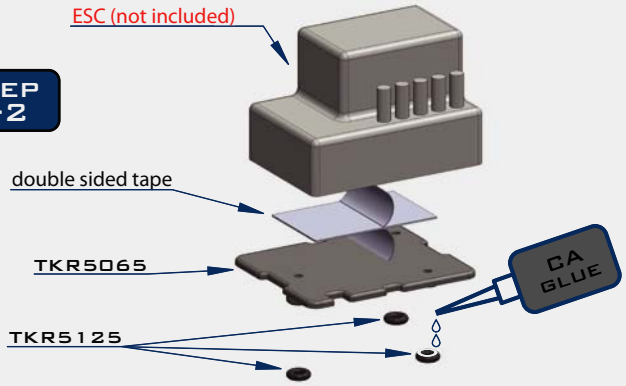
Bag N

Final Assembly

Step N-1

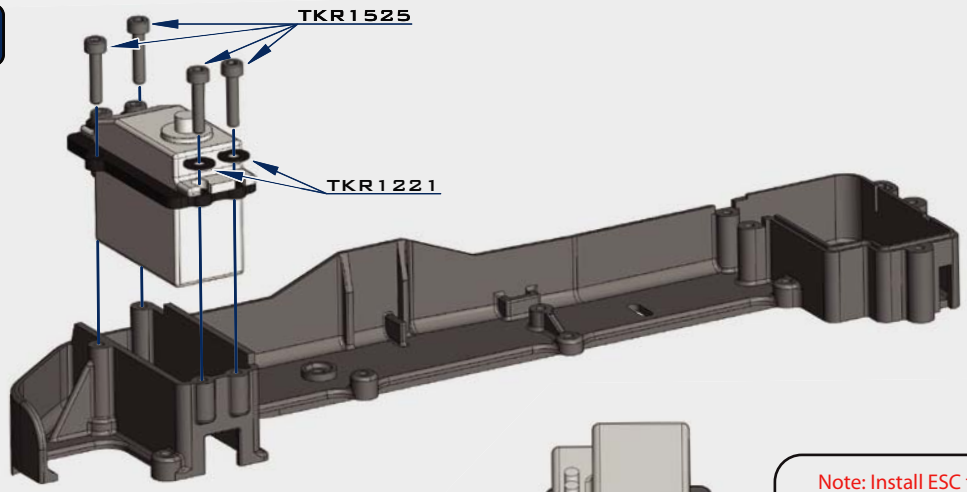


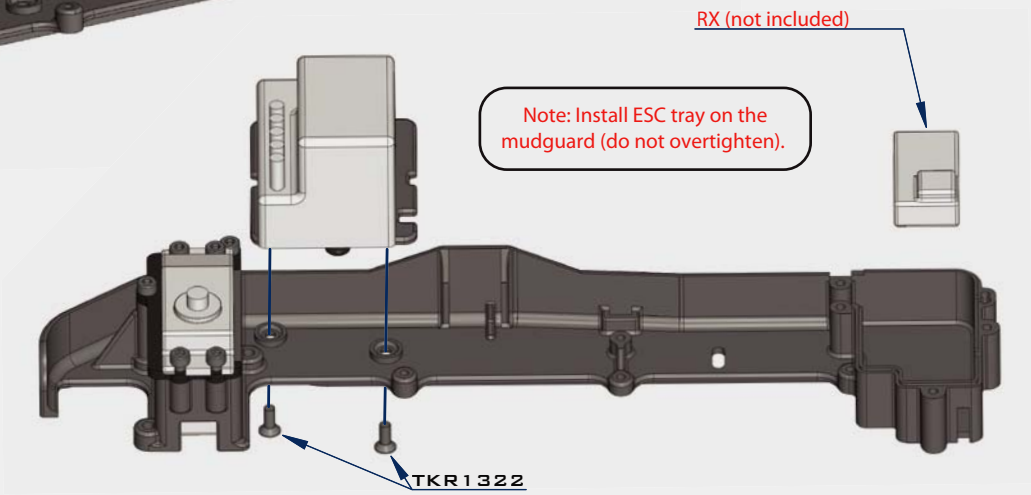
Step N-2



Note: CA glue 3 black o-rings (TKR5125) to the bottom legs of the ESC tray.

Step N-3





x4
TKR1221
M3X8mm Washer

x5
TKR1322
M3x8mm Flat Head Screw

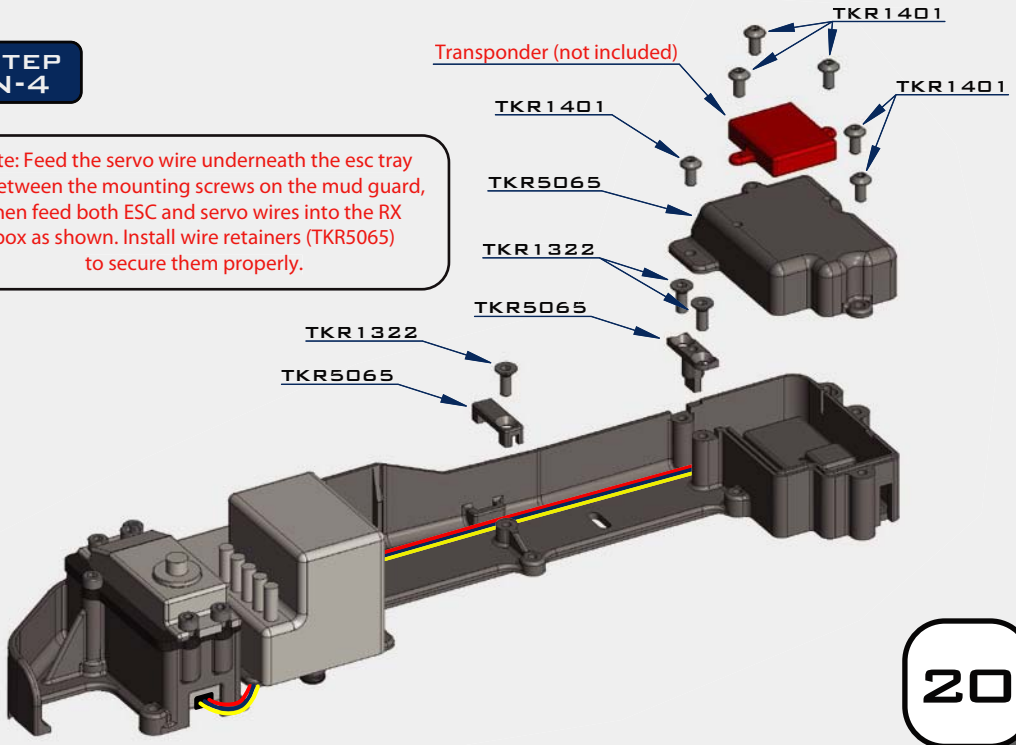
x6
TKR1401
M3x6mm Button Head Screw

x6
TKR1525
M3x14mm Cap Head Screw

x3
TKR5125
O-ring 3x7mm

Step N-4

Note: Feed the servo wire underneath the esc tray in between the mounting screws on the mud guard, then feed both ESC and servo wires into the RX box as shown. Install wire retainers (TKR5065) to secure them properly.



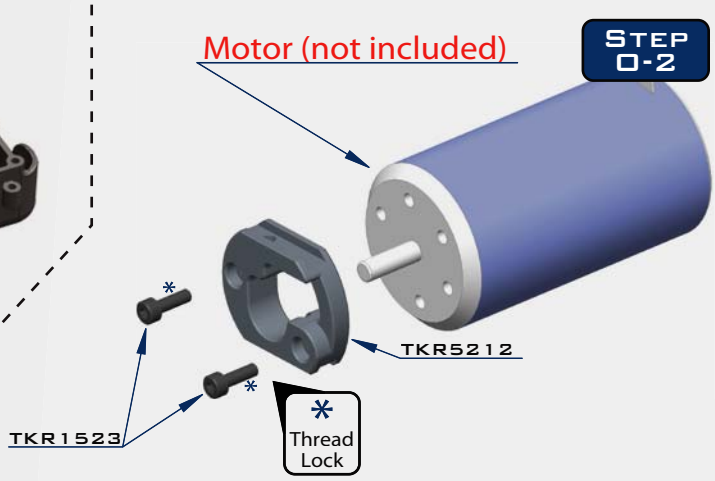
Bag O

Final Assembly

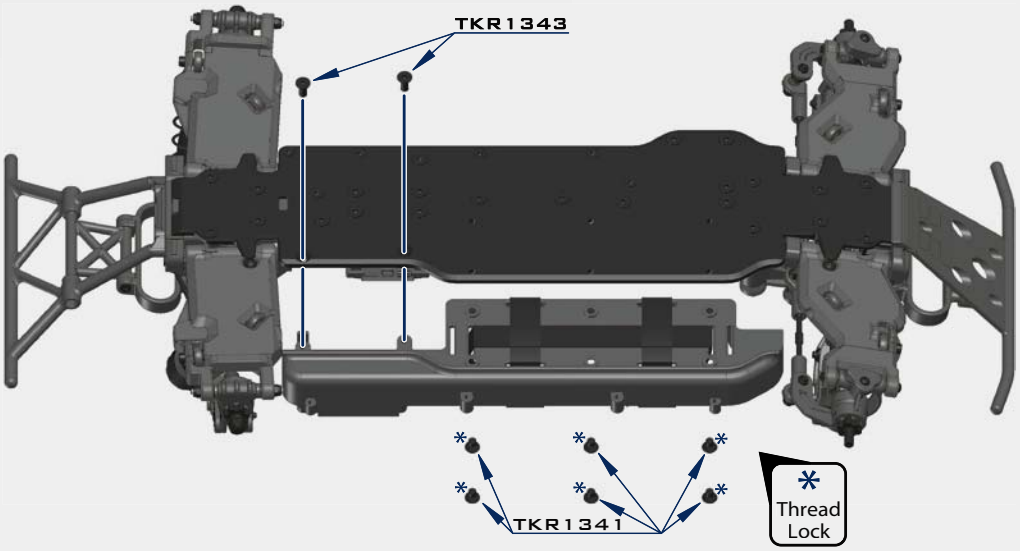
Step O-1

Battery Strap Installation:
1. Fit straps loosely
2. Position on chassis
3. Proceed to step O-2

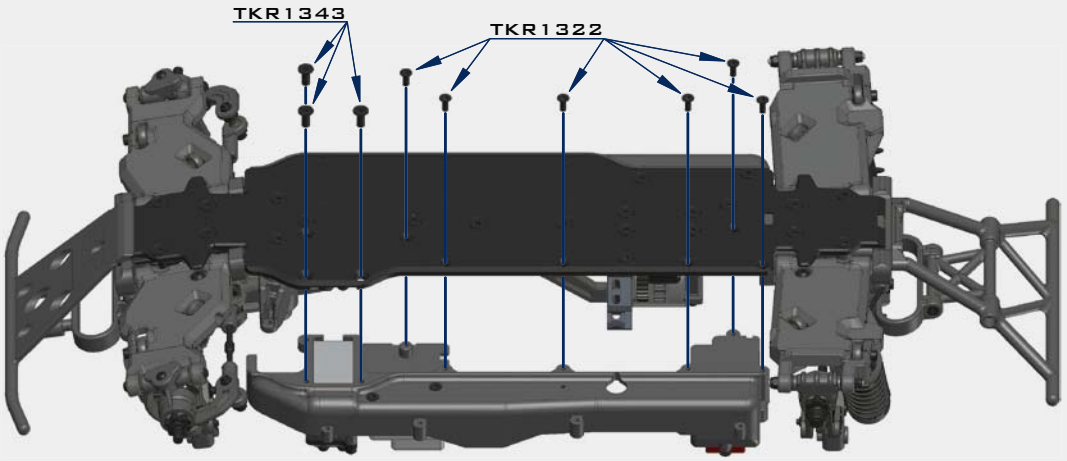
Step O-2



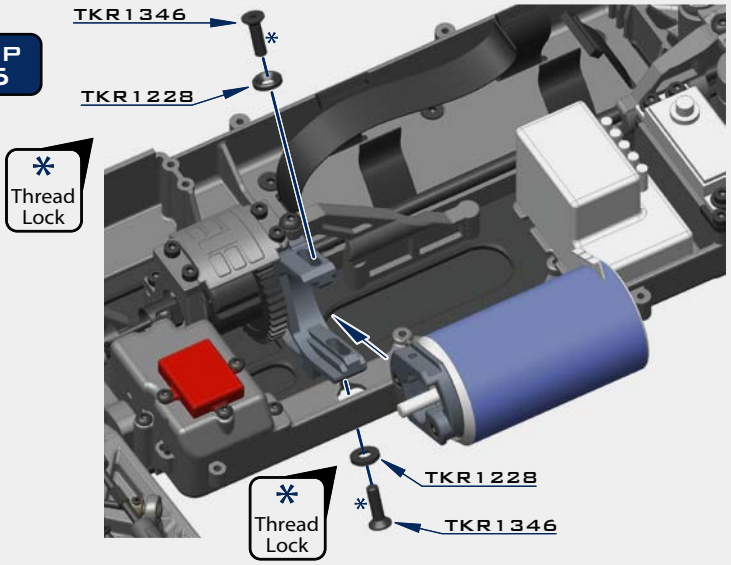
Step O-3



Step O-4



Step O-5



Note: Install MOD1 pinion (TKR4171-4190) at this step. Adjust gear mesh and tighten screws (TKR1445) well. *Use thread lock.

x2
TKR1228
M4 Countersunk Washer

x6
TKR1322
M3x8mm Flat Head Screw

x6
TKR1341
M4x6mm Flat Head Screw

x5
TKR1343
M4x10mm Flat Head Screw

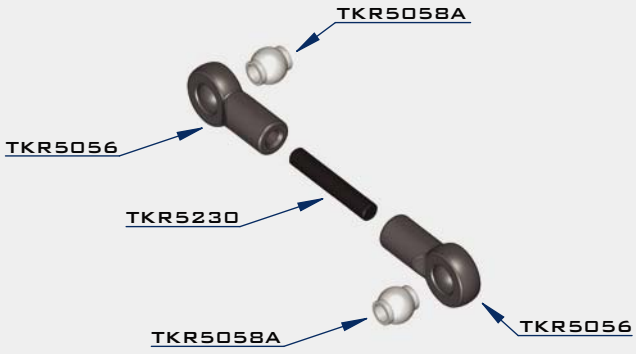
x2
TKR1346
M4x15mm Flat Head Screw

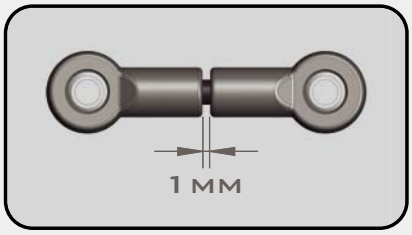
x2
TKR1523
M3x10mm Cap Head Screw

Bag O

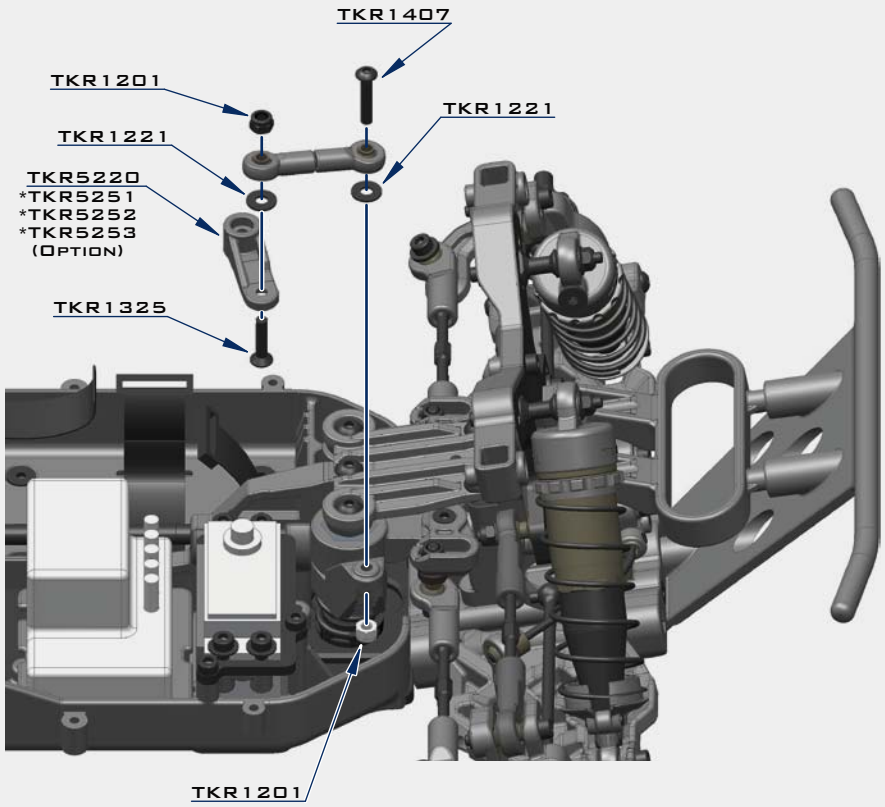
Final Assembly

Step O-6





Step O-7



x2
TKR1201
M3 Lock Nut Black

x2
TKR1221
M3x8mm Washer

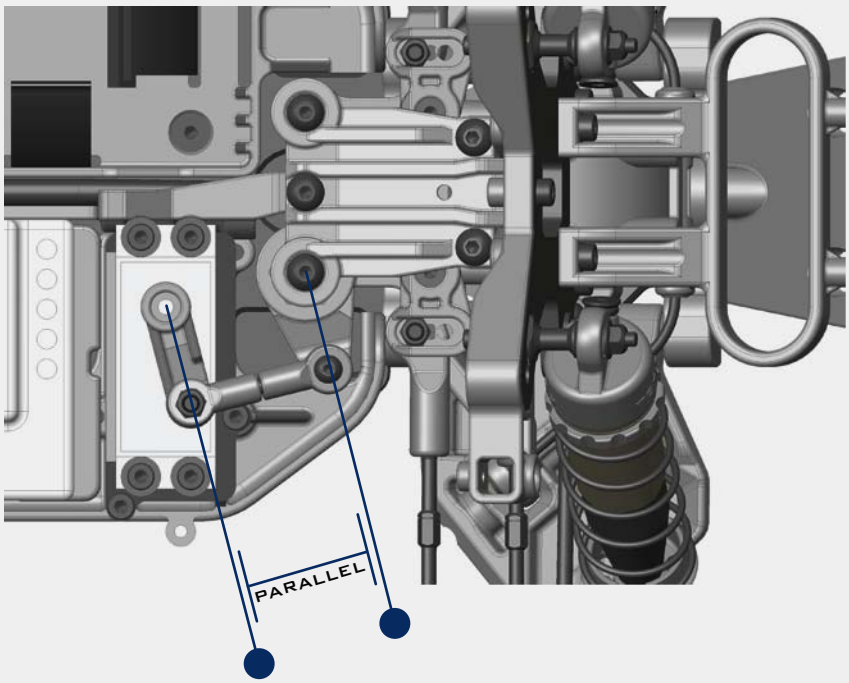
x1
TKR1325
M3x14mm Flat Head Screw

x1
TKR1407
M3x16mm Button Head Screw

x2
TKR5058A
Pivot Ball M3x5.8mm
No Flange

x1
TKR5230
M3x18 Threaded Rod

Step O-8

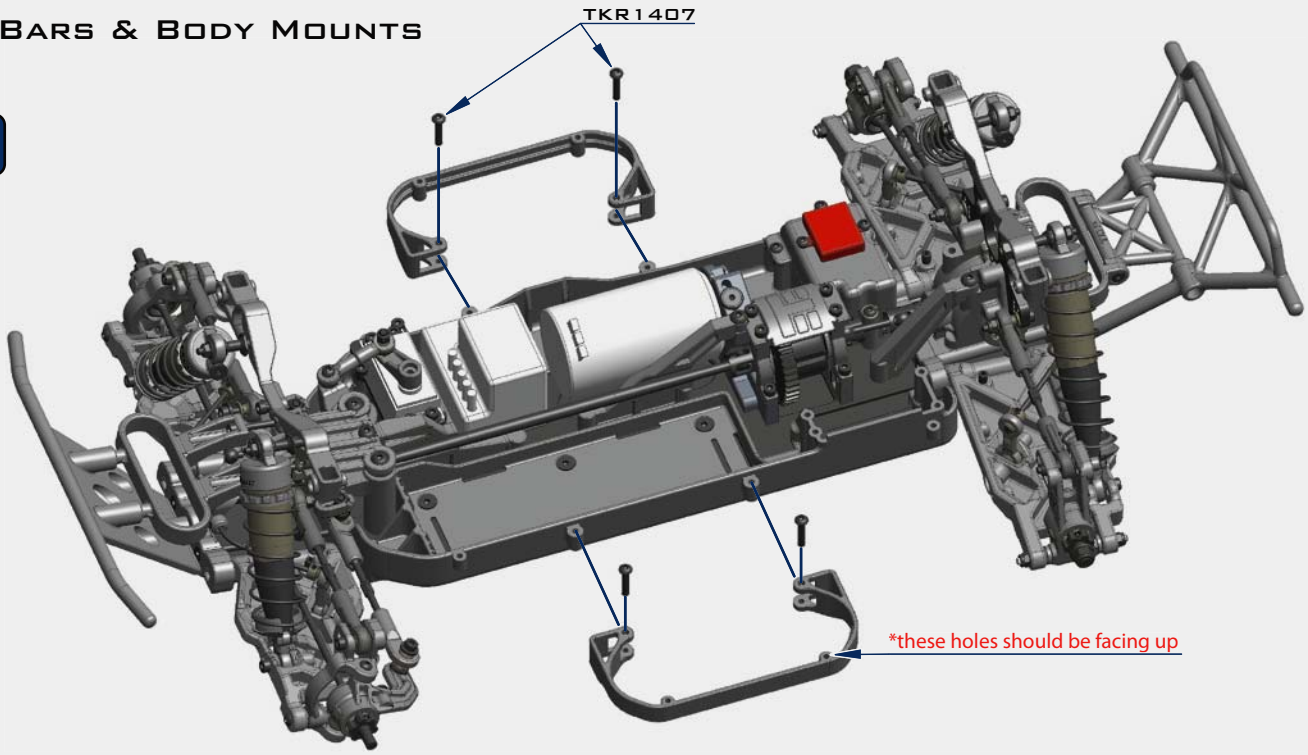


Note: Offset servo arm so it is parallel with the connecting arm at neutral or zero servo position.

Bag P

Nerf Bars & Body Mounts

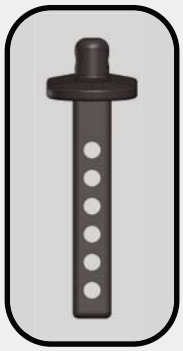
Step P-1



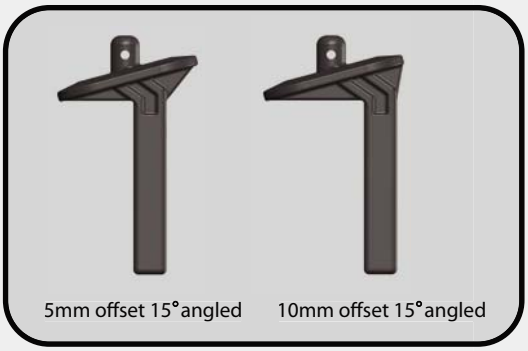
Note: Nerf Bars (TKR5502) are not left right side compatible.
The left side nerf bar is wider than the right side.

Front

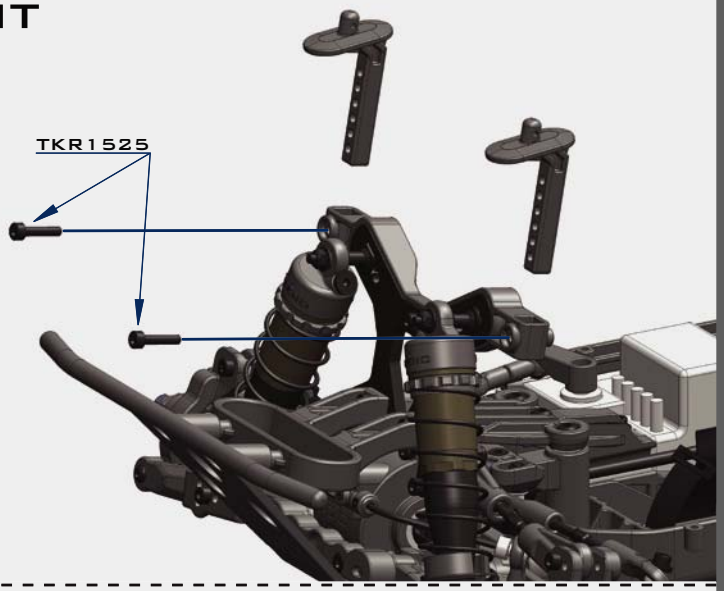
Step P-2



Insert post and adjust height to provide proper body clearance

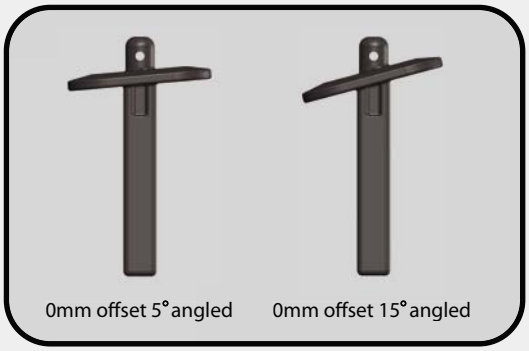


Choose the post with the offset that matches your specific body holes

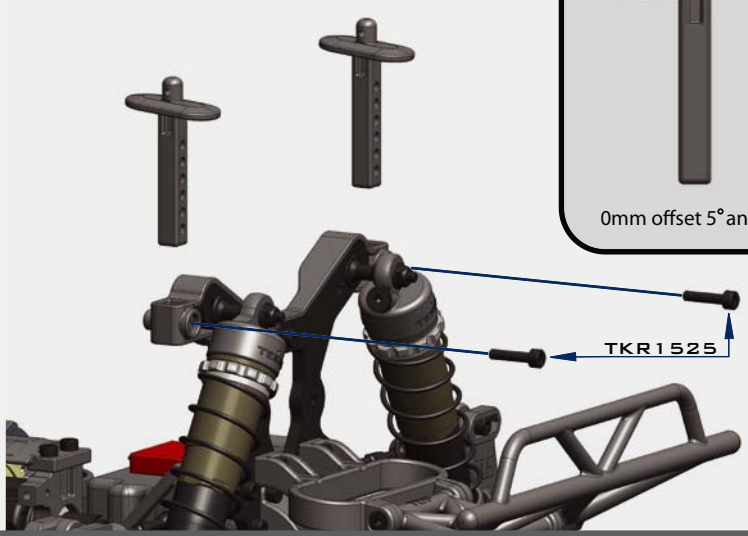


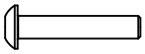
Rear

Step P-3

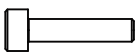


Choose the post with the angle that matches your specific body




x4

TKR1407
M3x16mm Button Head Screw

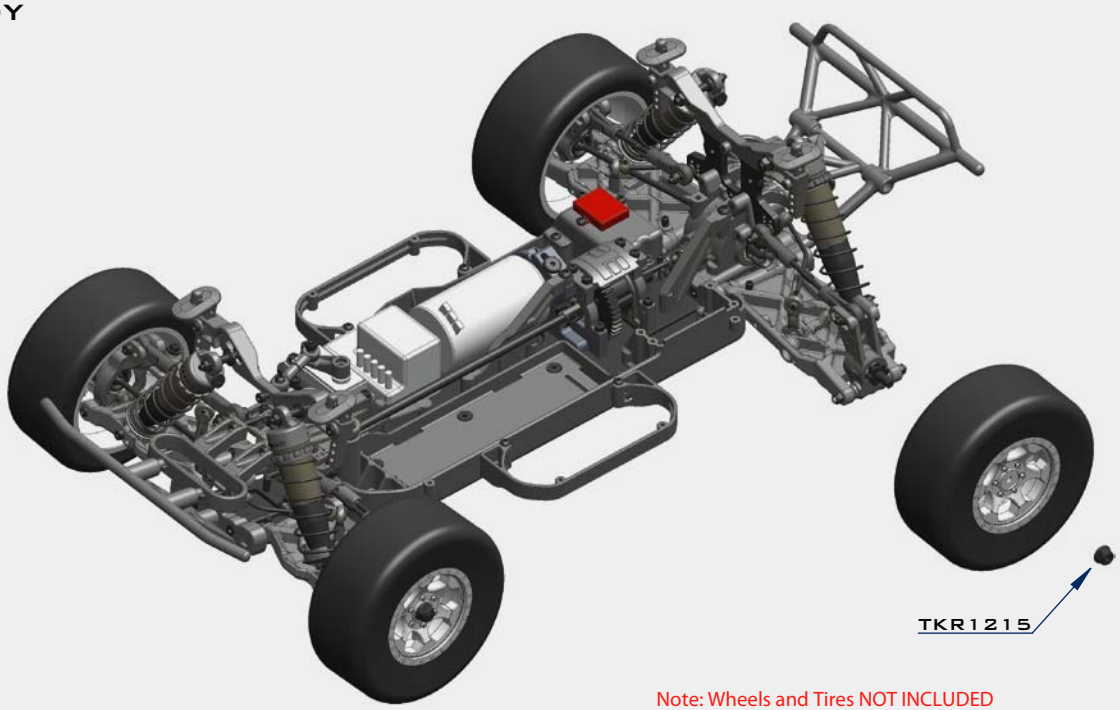

x4

TKR1525
M3x14mm Cap Head Screw

Bag P

Wheels/Body

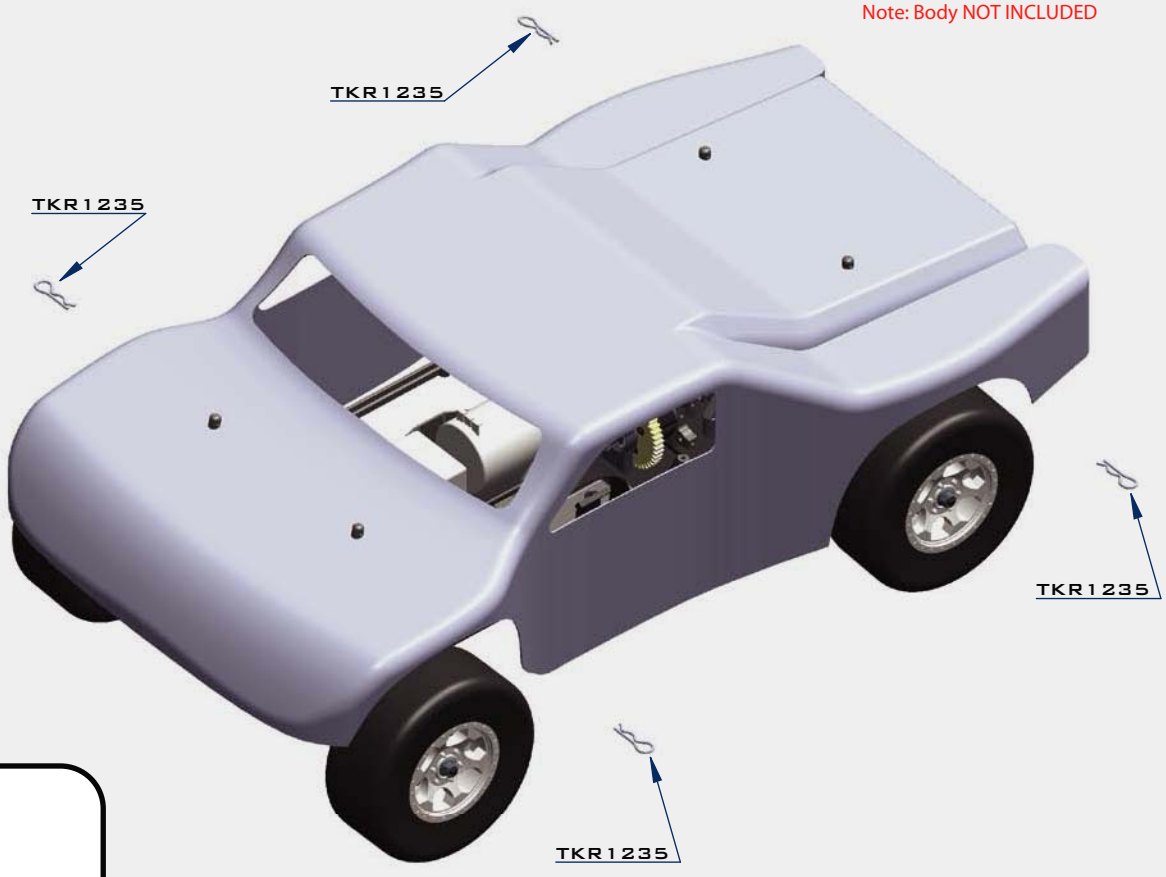
Step P-4



Note: Wheels and Tires NOT INCLUDED

Step P-5

Note: Body NOT INCLUDED



x4

TKR1215
M5 Lock Nut Flange Black

x4

TKR1235
Body Clip

TKR5507 - SCT410.3 1/10th Comptetion 4x4 Short Course Complete Kit

Parts List
TKR40008K – Battery Straps (SCT410, black, 2 cell, 3pcs)
TKR5012 – Gearbox (front)
TKR5016B – Gearbox (rear, angled)
TKR5020 – Hinge Pins (inner, front/rear)
TKR5049A – Pivot Balls (6.8mm, no flng, sway bar, shck ends, almnm, 4pcs)
TKR5052A – Pivot Balls (6.8mm, inside camber, steering links, aluminum, 4pcs)
TKR5053A – Pivot Balls (6.8mm, flanged, outside camber, aluminum, 4pcs)
TKR5056 – Rod Ends (5.8mm, brake/steering/sway bar linkage, 8pcs)
TKR5058A – Pivot Balls (5.8mm, no flange, brake/steering link, aluminum, 4pcs)
TKR5060 – Steering Servo Brace (aluminum, gun metal ano)
TKR5062 – Chassis Brace Set (front/rear/center)
TKR5065 – ESC Tray and Radio/Battery Tray Accessories
TKR5079A – Stabilizer Balls (6.8mm, sway bars, aluminum, 4pcs)
TKR5084 – Sway Bar (2.6mm, front)
TKR5086 – Sway Bar Mounts
TKR101X - Servo Saver Spring (HD, EB48, SCT410, NB48)
TKR5102A – Steering Posts (aluminum)
TKR5103 – Servo Saver Post (aluminum, gun metal ano)
TKR5104 – Steering Bell Cranks
TKR5107 – Steering Top Plate, Center Diff Top Plate, Center Diff Rear Support
TKR5117 - Ackerman Plate (composite)
TKR5122 – Steering Rack Bushings (aluminum, gun metal ano, 2pcs)
TKR5123 – Turnbuckle (steering links, 2pcs)
TKR5125 – O-Ring (ESC tray, 3pcs)
TKR5126 – Antenna tube (universal, w/ caps, 5pcs)
TKR5165 - V2 Hinge Pin Inserts, Wheelbase Shims (EB/NB/ET/NT/SCT)
TKR5188 - Rod Ends (6.8mm, M4 thread, SCT/SL, 8pcs)
TKR5212 – LCG Motor Mount Insert (aluminum, gun metal ano)
TKR5220 – Servo Horns (steering, brakes)
TKR5230 – Steering linkage (M3x18mm threaded rod, 10pcs)
TKR5231 – Servo Saver Nut and Spring
TKR5260 - CNC Split Cntr Diff Mount (mtr mnt only, 7075, gun metal ano, EB/ET/SCT)
TKR5263 - Split Cntr Diff Mount (composite, requires TKR5260, EB/ET/SCT/SL)
TKR5288 – Chassis (7075, black anodized, lightened)
TKR5491 - Sway Bar (2.4mm, rear)
TKR5502 - Nerf Bars (SCT410, left, right)
TKR5510 – Battery Tray, Mud Guard (SCT410, left side)
TKR5511 – Radio Tray, Mud Guard (SCT410, right side)
TKR5515 - Suspension Arms (rear, SCT.3/SL)
TKR5516 - Suspension Arms (front, SCT.3/SL)
TKR5518B – Front Bumper Set (SCT410)
TKR5527 – Shock Standoffs (SCT410, 2pcs)
TKR5534 – Hinge Pins (SCT410, outer, rear)
TKR5541B - Spindles (6x13x5mm outer bearing, L/R, SCT410/EB48SL)
TKR5542 – Spindle Carriers (SCT410, left, right)
TKR5545 - Rear Hubs (L/R, CV or uni, SCT.3/SL)
TKR5548 – Decal Sheet (SCT410.3)
TKR5554A – Spindle Bushings (SCT410, 4pcs, aluminum, hard ano)
TKR5555A – Arm Bushings (SCT410, 4pcs, aluminum, hard ano)
TKR5570B – Stub Axles (SCT410, hardened steel, 2pcs)
TKR5571M - Wheel Hexes (steel w/ set screw, lightened, 12mm, SCT410/SL)
TKR5572 – Driveshafts (SCT410, f/r, hardened steel, 2pcs)
TKR5575X – Diff Coupler (SCT410, f/r, hardened steel, lightened)
TKR5576 – Driveshaft (SCT410, center, rear, hardened steel)
TKR5579 - Tapered Driveshaft (SCT/EB48SL, center, front, 7075 aluminum, black ano)
TKR5581 - Shock Tower (front, 7075, black ano, SCT.3/SL)
TKR5584 - Shock Tower (rear, 7075, black ano, SCT.3/SL)
TKR5730 - V2 Adj. Hinge Pin Brace Set (composite, EB/NB/ET/NT/SCT)
TKR5791 - Body Mount Set (front, rear, SCT410)
TKR5799 - Rear Bumper Set (SCT410)
TKR6856 – CV Rebuild kit (f/r, for 2 axles)

Differential List
TKR5113 – Differential Case (f/c/r)
TKR5143 – Differential Seals (3pcs)
TKR5144 – Differential O-Rings (6pcs)
TKR5145B – Differential Shims (revised, 6x17mm, 6pcs)
TKR5149X – Differential Cross Pins (composite, 3pcs)
TKR5150 – Differential Gear Set (internal gears only)
TKR5151 – Differential Ring Gear (40t, straight cut)
TKR5152 – Diff Pinion (10T, straight cut)
TKR5237K – Spur Gear (44t, black, composite)
TKR5614X – Differential Outdrives (SCT410, f/c/r, lightened)
TKR5647 – Complete Center Differential (SCT410)
TKR5648 – Complete F/R Differential (SCT410)

Shocks List
TKR6002 – Shock Body (front, aluminum, hard ano, 2pcs)
TKR6004 – Shock Shafts (front, steel, 2pcs)
TKR6007 - Shock Cap Bushings (4pcs, EB/NB/ET/NT/SCT)
TKR6008 – Shock Shaft Guide, Piston, and Bushing Set (for 2 shocks)
TKR6009 – Shock O-Ring and Bladder Set (for 2 shocks)
TKR6016 – Shock Body (rear, aluminum, hard ano, 2pcs)
TKR6017 – Shock Shafts (rear, steel, 2pcs)
TKR6018 – Shock Cap and Spring Adjuster Set (composite, for 2 shocks)
TKR6036 – Shock Spring Set (front, 1.5 x 8.5T, 70mm, green)
TKR6043 – Shock Spring Set (rear, 1.4 x 11.5T, 80mm, black)
TKR6140 - Locking Shock Rod End and Spring Perch Set (EB/NB/ET/NT/SCT)
TKR6143 - Shock Boots (medium length, front, EB/NB/SCT, 2pcs)
TKR6144 - Shock Boots (long length, rear EB/NB/SCT, front ET/NT, 2pcs)

Bearings List
TKRBB050825 – Ball Bearing (5x8x2.5mm, 4pcs)
TKRBB05114 – Ball Bearing (5x11x4, 4pcs)
TKRBB05134 – Ball Bearing (5x13x4, 4pcs)
TKRBB06103 – Ball Bearing (6x10x3, 4pcs)
TKRBB06135 – Ball Bearing (6x13x5, 4pcs)
TKRBB08165 – Ball Bearing (8x16x5, 4pcs)
TKRBB10154 – Ball Bearing (10x15x4, 4pcs)

Hardware List
TKR1200 – M2.5 Locknuts (zinc finish, 10pcs)
TKR1201 – M3 Locknuts (black, 10pcs)
TKR1211 – M3 Locknuts (flanged, black, 10pcs)
TKR1212 - M4 Locknuts (flanged, black, 10pcs)
TKR1215 - M5 Locknuts (aluminum, flanged, serrated, black, 4pcs)
TKR1221 – M3x8mm Washer (black, 10pcs)
TKR1222 – 13x16x.1mm Diff Shims (10pcs)
TKR1226 - 5x7x.2mm shims (10pcs)
TKR1228 - M4 Countersunk Washer (black, 10pcs)
TKR1235 – Body Clips (10pcs)
TKR1238 - Droop Adjustment Screws (M4x10mm, 8pcs)
TKR1322 – M3x8mm Flat Head Screws (black, 10pcs)
TKR1323 – M3x10mm Flat Head Screws (black, 10pcs)
TKR1327 - M3x16mm Flat Head Screws (black, 10pcs)
TKR1333 - M3x40mm Flat Head Screws (black, 10pcs)
TKR1341 - M4x6mm Flat Head Screws (black, 10pcs)
TKR1343 - M4x10mm Flat Head Screws (black, 10pcs)
TKR1344 - M4x12mm Flat Head Screws (black, 10pcs)
TKR1346 - M4x15mm Flat Head Screws (black, 10pcs)
TKR1401 - M3x6mm Button Head Screws (black, 10pcs)
TKR1402 - M3x8mm Button Head Screws (black, 10pcs)
TKR1404 - M3x12mm Button Head Screws (black, 10pcs)
TKR1407 - M3x16mm Button Head Screws (black, 10pcs)
TKR1443 - M4x10mm Button Head Screws (black, 10pcs)
TKR1522 - M3x8mm Cap Head Screws (black, 10pcs)
TKR1524 - M3x12mm Cap Head Screws (black, 10pcs)
TKR1525 - M3x14mm Cap Head Screws (black, 10pcs)
TKR1528 - M3x18mm Cap Head Screws (black, 10pcs)
TKR1529 - M3x20mm Cap Head Screws (black, 10pcs)
TKR1601 - M3x4mm Set Screws (black, 10pcs)
TKR1603 - M5x4mm Set Screws (black, 10pcs)
TKR1605 - M3x10mm Set Screws (black, 10pcs)
TKR1609 - M3x3mm Set Screws (black, 10pcs)

Option Parts
TKR1103 - Turnbuckle Wrench (4mm, 5mm, hardened steel)
TKR1119 - 5.5mm / 7.0mm Wrench (hardened steel)
TKR1240 - Lower Shock Mount Screws (2 CW thread, 2 CCW thread, EB/NB/SCT)
TKR1654X – 12mm Aluminum Hex Adapters (+1mm, aluminum, 4pcs)
TKR5060C – Steering Servo Brace (carbon fiber)
TKR5080 – Sway Bar (f/r, 2.2mm)
TKR5081 – Sway Bar (f/r, 2.3mm)
TKR5082 – Sway Bar (f/r, 2.4mm)
TKR5083 – Sway Bar (f/r, 2.5mm)
TKR5085 – Sway Bar (f/r, 2.8mm)
TKR5087 – Sway Bar (f/r, 3.0mm)
TKR5100 – Ackerman Plate (aluminum, gun metal ano)
TKR5149A - Diff Cross Pins (aluminum, 6pcs, requires TKR5150)
TKR5161 - V2 Adj. Hinge Pin Brace ("A" block, 7075, EB/NB/ET/NT/SCT)
TKR5162 - V2 Adj. Hinge Pin Brace ("B" block, 7075, EB/NB/ET/NT/SCT)
TKR5163 - V2 Adj. Hinge Pin Brace ("C" block, 7075, EB/NB/ET/NT/SCT)
TKR5164 - V2 Adj. Hinge Pin Brace ("D" block, 7075, EB/NB/ET/NT/SCT)
TKR5174 – Rear Arm Mud Guards (for TKR5184, EB/NB)
TKR5237 – Spur Gear (44t, composite, natural color)
TKR5251 – Aluminum Servo Horn (23t spline, Airtronics/JR/KO Servos)
TKR5252 – Aluminum Servo Horn (24t spline, Hitec Servos)
TKR5253 – Aluminum Servo Horn (25t spline, Futaba/Pro-Tek/Savox Servos)
TKR5261 - CNC Split Cntr Diff Mnt (complete, 7075, gun metal ano, EB/ET/SCT)
TKR5490 – Sway Bar (rear, 2.3mm)
TKR5492 – Sway Bar (rear, 2.5mm)
TKR5493 – Sway Bar (rear, 2.6mm)
TKR5494 – Sway Bar (rear, 2.8mm)
TKR5495 – Sway Bar (rear, 3.0mm)
TKR5504 – Air Control Guards (SCT410, left & right, w/hardware)
TKR5571A – Wheel Hexes (SCT410, 12mm, aluminum, 4pcs)
TKR5571-17 - 17mm Hub Adapter Set (SCT410, SCT width, composite, 4pcs)
TKR5581C - Shock Tower (front, carbon fiber, SCT.3/SL)
TKR5584C - Shock Tower (rear, carbon fiber, SCT.3/SL)
TKR6003 – Vented Shock Caps (aluminum, black ano, 2pcs)
TKR6003B – Non-Vented Shock Caps (aluminum, black ano, 2pcs)
TKR6004T – Shock Shafts w/ TiNi coating (front, steel, 2pcs)
TKR6009B – Shock O-Ring Set (16pcs)
TKR6013 – Shock Adjustment Nuts (aluminum, gun metal ano, 2pcs)
TKR6015 – Shock Cartridge Caps (aluminum, gun metal ano, 2pcs)
TKR6017T – Shock Shafts w/ TiNi coating (rear, steel, 2pcs)
TKR6030 – Shock Spring Set (rear, 1.4 x 11.0T, 85mm, pink)
TKR6031 – Shock Spring Set (rear, 1.4 x 10.5T, 85mm, green)
TKR6032 – Shock Spring Set (rear, 1.4 x 10.0T, 85mm, yellow)
TKR6033 – Shock Spring Set (rear, 1.4 x 9.5T, 85mm, orange)
TKR6034 – Shock Spring Set (rear, 1.4 x 9.0T, 85mm, red)
TKR6035 – Shock Spring Set (front, 1.5 x 9.0T, 70mm, pink)
TKR6037 – Shock Spring Set (front, 1.5 x 8.0T, 70mm, yellow)
TKR6038 – Shock Spring Set (front, 1.5 x 7.5T, 70mm, orange)
TKR6039 – Shock Spring Set (front, 1.5 x 7.0T, 70mm, red)
TKR6041 – Shock Spring Set (rear, 1.4 x 12.5T, 80mm, white)
TKR6042 – Shock Spring Set (rear, 1.4 x 12.0T, 80mm, grey)
TKR6046 – Shock Spring Set (front, 1.5 x 10.5T, 65mm, white)
TKR6047 – Shock Spring Set (front, 1.5 x 10.0T, 65mm, grey)
TKR6048 – Shock Spring Set (front, 1.5 x 9.5T, 65mm, black)
TKR6050 - Shock Pistons (CNC, conical, 10x1.1mm)
TKR6051 - Shock Pistons (CNC, conical, 8x1.3mm)
TKR6052 - Shock Pistons (CNC, conical, 10x1.2mm)
TKR6053 - Shock Pistons (CNC, conical, 8x1.4mm)
TKR6054 - Shock Pistons (CNC, conical, 10x1.3mm)
TKR6055 – Shock Spring Set (rear, 1.4 x 8.5T, 80mm, blue)
TKR6056 – Shock Spring Set (rear, 1.4 x 8.0T, 80mm, purple)
TKR6063 – Shock Pistons (CNC, conical, 6x1.5, 10.6mm^2)
TKR6064 – Shock Pistons (CNC, conical, 6x1.6, 12.1mm^2)
TKR6065 – Shock Piston Blanks (CNC, conical, 16 dimples, 16mm)
TKR6146 – Shock Cartridge Set (CNC, Delrin, EB/NB/ET/NT/SCT)

TEKNO RC Setup Sheet — SCT 410.3

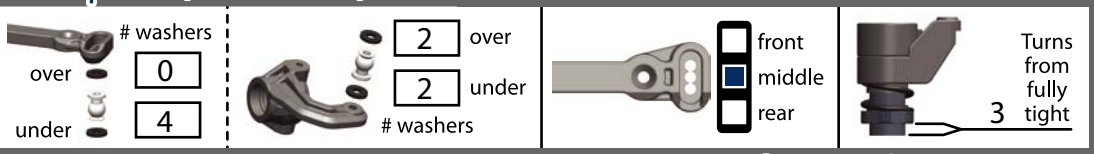
Name: Stock Set Up **Date:** _____ **Event:** _____

Track: Indoor ☐ Outdoor ☐ **Size:** Small ☐ Medium ☐ Large ☐ **Traction:** Low ☐ Med ☐ High ☐

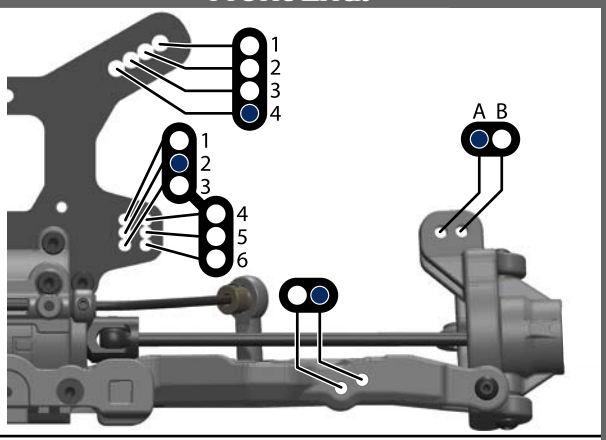
Surface: Smooth ☐ Bumpy ☐ Rutted ☐ **Type:** Loose/Loamy ☐ Hard Pack ☐ Blue Groove ☐ Clay ☐

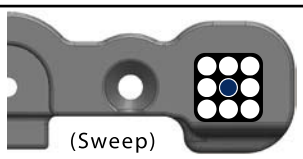
Condition: Dusty ☐ Dry ☐ Wet ☐ Muddy ☐

Bumpsteer/Ackerman/Servo Saver:



Front End:

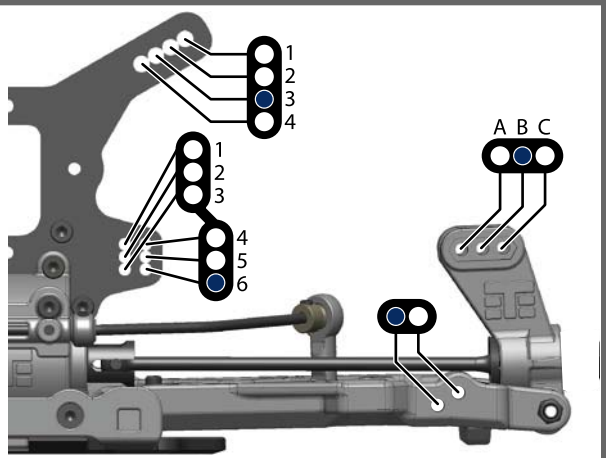


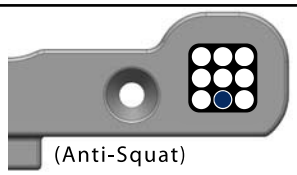


"A" Block *(0° WITH CENTER DOT INSERT)* Composite ☐ Aluminum ☐

"B" Block *(10° WITH CENTER DOT INSERT)* Composite ☐ Aluminum ☐

Rear End:





"C" Block *(3° WITH CENTER DOT INSERT)* Composite ☐ Aluminum (-1°) ☐

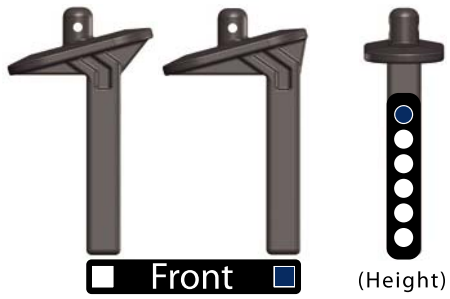
"D" Block *(3° WITH CENTER DOT INSERT)* Composite ☐ Aluminum ☐

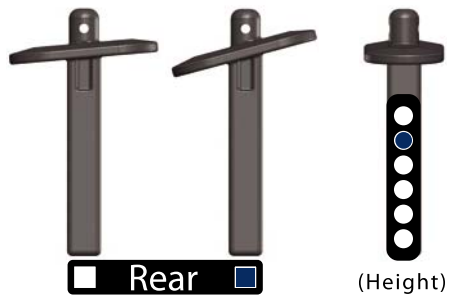
Suspension:

	FRONT	REAR
RIDE HEIGHT	25	24
CAMBER	-2	-2
SWEEP	0°	
KICK UP	11°	
ANTI-SQUAT		3°
TOE (in/out)	.5° total	2°
SWAY BAR	2.6	2.4
SHOCK LENGTH (DROOP)	105	118

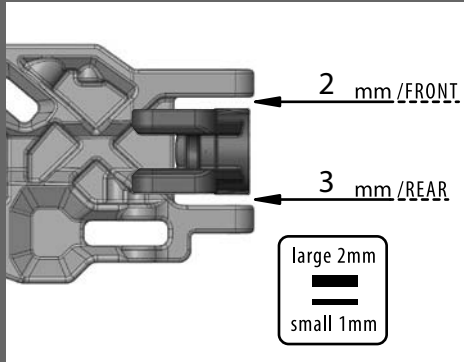
Body/Mounts:

BODY MAKE	





Wheelbase:



Shocks:

	FRONT	REAR
OIL	350	200
BRAND	CST	CST
PISTON	10 x 1.2	10 x 1.2
SPRING	Green	Black
REBOUND	0 %	0 %
STD/EMUL/VENT	vent	vent

NOTES:

Tires / Wheels:

	FRONT	REAR
BRAND/TREAD		
COMPOUND		
INSERT		
WHEEL		

NOTES:

Differential Oil:

FRONT	CENTER	REAR
7	7	5

Electronics:

ESC:	
Battery:	
Motor:	
Radio:	
Servo:	

Drivetrain:

PINION SIZE	(teeth)

Chassis Braces:

Front ☐ Middle ☐ Rear ☐

(front brace is always recommended)

Notes:

TEKNO RC Setup Sheet — SCT 410.3

Name: _____ **Date:** _____ **Event:** _____

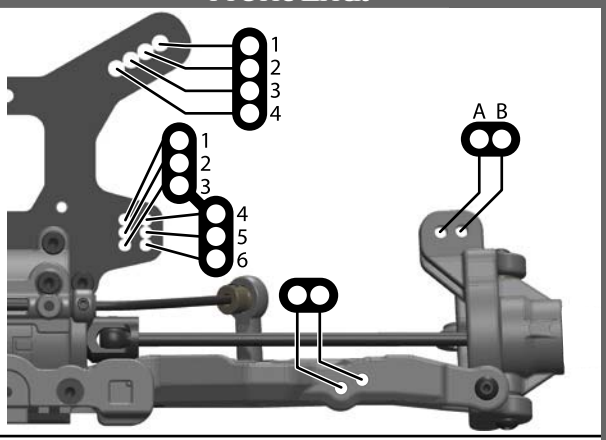
Track: Indoor ☐ Outdoor ☐ **Size:** Small ☐ Medium ☐ Large ☐ **Traction:** Low ☐ Med ☐ High ☐

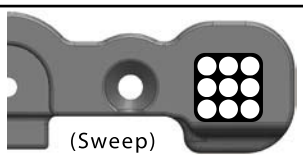
Surface: Smooth ☐ Bumpy ☐ Rutted ☐ **Type:** Loose/Loamy ☐ Hard Pack ☐ Blue Groove ☐ Clay ☐

Condition: Dusty ☐ Dry ☐ Wet ☐ Muddy ☐

Bumpsteer/Ackerman/Servo Saver:

Front End:





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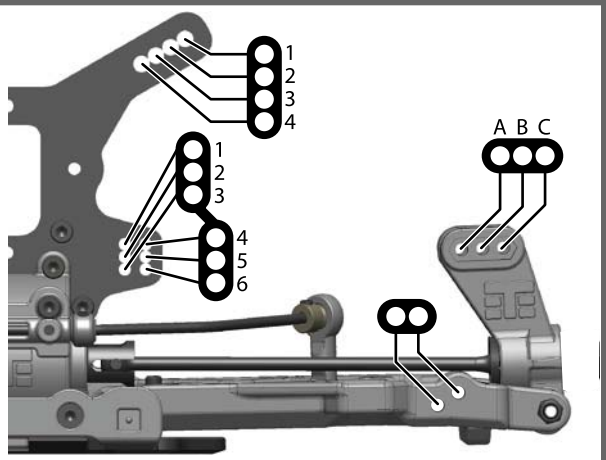
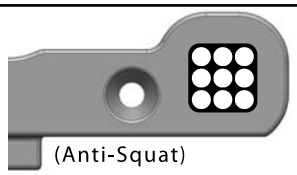
"B" Block *(10° WITH CENTER DOT INSERT)* Composite ☐ Aluminum ☐

Rear End:





"C" Block *(3° WITH CENTER DOT INSERT)* Composite ☐ Aluminum (-1°) ☐

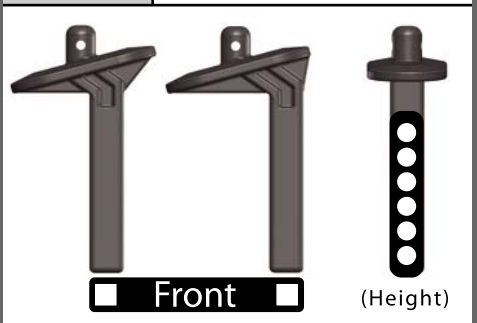
"D" Block *(3° WITH CENTER DOT INSERT)* Composite ☐ Aluminum ☐

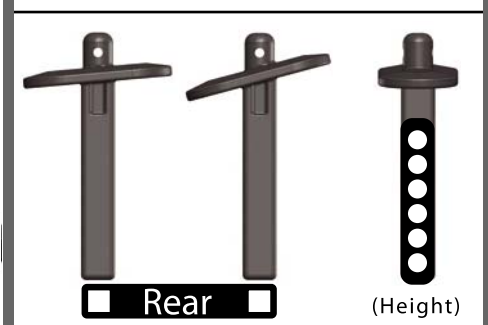
Suspension:

	FRONT	REAR
RIDE HEIGHT		
CAMBER		
SWEEP		
KICK UP		
ANTI-SQUAT		
TOE (in/out)		
SWAY BAR		
SHOCK LENGTH (DROOP)		

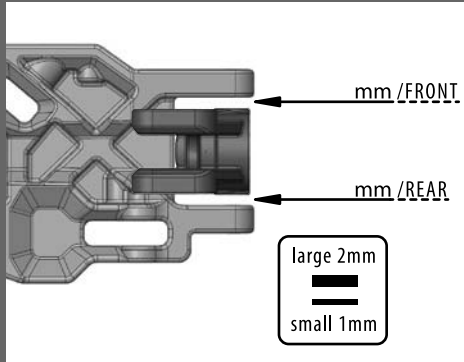
Body/Mounts:

BODY MAKE	





Wheelbase:



Shocks:

	FRONT	REAR
OIL		
BRAND		
PISTON		
SPRING		
REBOUND	%	%
STD/EMUL/VENT		
NOTES:		

Tires / Wheels:

	FRONT	REAR
BRAND/TREAD		
COMPOUND		
INSERT		
WHEEL		
NOTES:		

Differential Oil:

FRONT	CENTER	REAR

Electronics:

ESC:	
Battery:	
Motor:	
Radio:	
Servo:	

Drivetrain:

PINION SIZE	(teeth)

Chassis Braces:

Front ☐ Middle ☐ Rear ☐

(front brace is always recommended)

Notes:

Tekno RC
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San Diego CA 92131
USA

www.teknorc.com

SCT 410.3