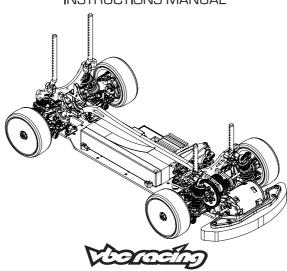
COMPETITION GRADE HIGH PERFORMANCE RADIO CONTROL RACING CAR CHASSIS KIT



INSTRUCTIONS MANUAL





Thank you for purchasing VBC Racing product.

Things that we should remind you.

This VBC Racing kit is a high performance, racing grade car kit intended for experienced racers. The kit compose of VBC formulated composite materials, top quality full carbon fiber chassis and high grade 7075 material which will give you a competitive edge over the others.

Novice racer should seek advice from more experienced racer before assembly.

Always keep this instruction manual handy at all times for quick reference even after completing the assembly.

Before your assembly, sand the chassis edges.

Sand the chassis edges with #600 sand paper and apply CA glue to the edges and counter sink holes.

Need help or support.

If you need help or you would like to leave us a comment, please email to our support team: support@vbc-racing.com or visit our web site www.vbcracing.com









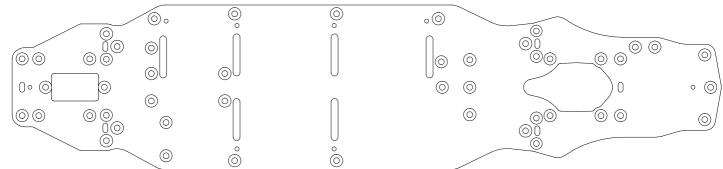




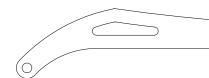
Graphite Edges Protection Procedure



Sand the chassis edges with #600 sand paper(not included) and apply CA glue(not included) to the edges of the chassis.



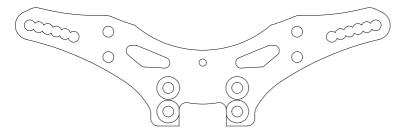
A-01-P21376 FF17 Graphite Main Chassis



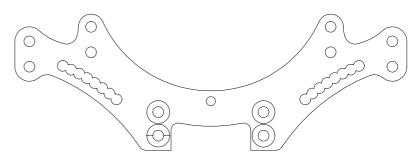
A-01-P21379 FF17 Upperdeck

0

Sand the below graphite edges with #600 sand paper and apply CA glue to the edges.



A-01-P21377 FF17 Graphite Front Shock Tower



A-01-P21378 FF17 Graphite Rear Shock Tower









Firebolt Gear Diff Housing B-02-G60399 x 1



Firebolt Gear Diff 52T B-02-G60398 x 1

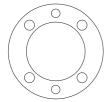




Diff Gear 18T A-03-VBC-0019 x 2



FF17 Heavy Duty Diff Cup C-02-G21337



Seal Gasket B-03-VBC-0004 x 1



10x15 Ball Bearing C-02-BB-1510-B x 2



10x13x0.2mm Shim C-02-P30914 x 6



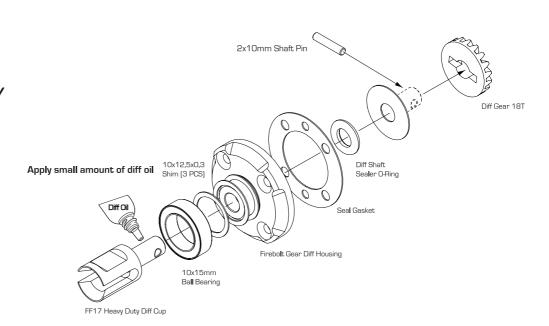
15x0.3 Shim B-02-VBC-0077 x 2

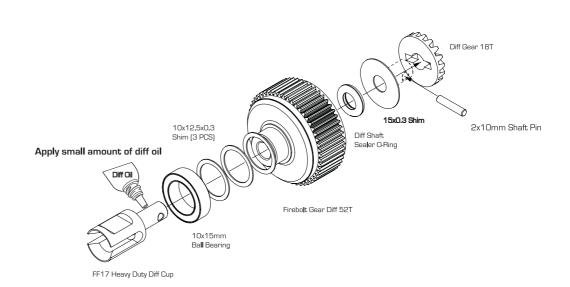




Diff Shaft Sealer O-Ring B-03-VBC-0006 x 2

© VBC Racing FFSeventeen







Vienneing



Gear Diff Assembly Continue





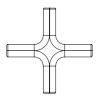
Diff Gear 10T A-03-VBC-0018 x 4



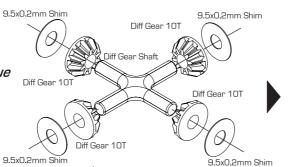
9.5x0.2mm Shim B-02-VBC-0078 x 4



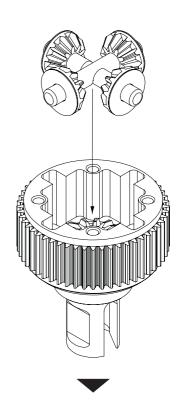
M2.6x10 Flathead Screw C-02-SC-F2.6x10 x 4

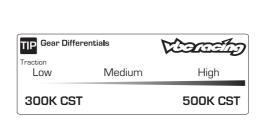


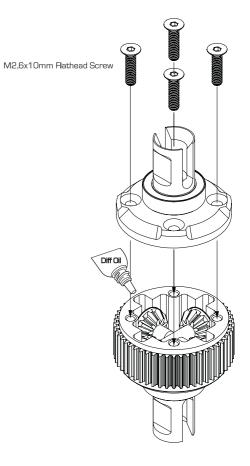
Diff Gear Shaft A-03-VBC-0020 x 1







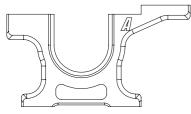




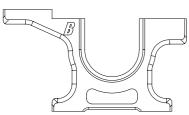




Front Bulkhead And Center Suspension Mount Assembly



Lower Bulkhead (A) B-02-VBC-2007 x 2



Lower Bulkhead (B) B-02-VBC-2008 x 2



Center Suspension Mount Shim (1mm) x 4 A-01-VBC-0038

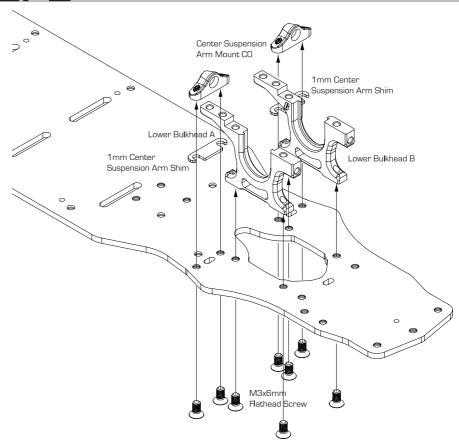


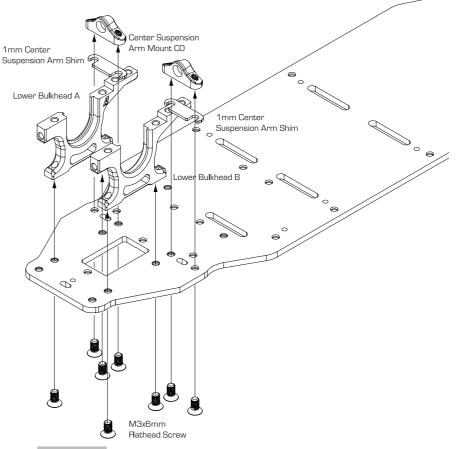


Rear Bulkhead And Center Center Suspension Mount x 4 B-02-VBC-0062 Suspension Mount Assembly



M3x6 Flathead C-02-SC-F0306 x 16





M3x6 Roundhead

5x8 Ball Bearing

5x8 Ba**ll** Bearing M3x6

5x8 Ball Bearing





Steering System Assembly



Ball Connector (5mm Length) B-02-VBC-3021 x 2



5x8 Ball Bearing C-02-BB-0805-B x 4



Ball Connetor (7.5mm Lenght) B-02-VBC-3022 x 1



DO9 POM Steering Stopper A-03-P31176 x



009 Steering Bridge B-02-P31171



D09 Steering Arm B-02-P31172 x 2



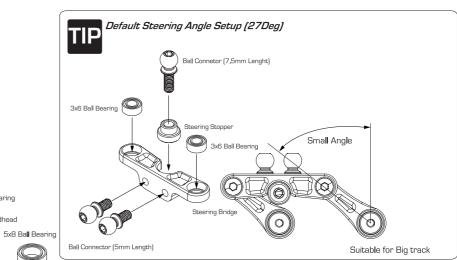
M3x6 Roundhead C-02-SC-R0306 x 2

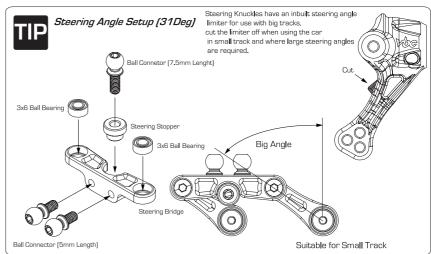


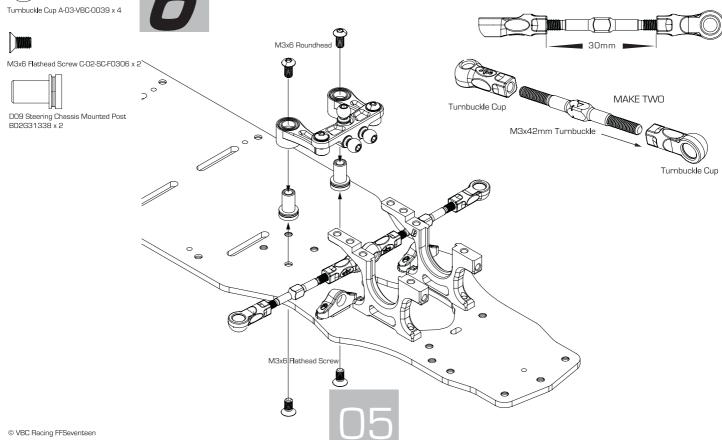
M3x42mm Turnbuckle B-02-VBC-0037 x 2











Ball Connector (5mm Lenght)

T2 7075 Spacer

FF17 Front Gear Box A

Ball Connector (5mm Lenght)

20T Aluminium Top Shaft Gear

M3x8 Roundhead

T2 7075 Spacer

FF17 Front Gear Box B

2x10mm Shaft Pin

Center Drive Shaft

27T Aluminium Idler Gear

5x10x4mm Ba**ll** Bearing

Gear Diff

4x10x3mm Bearing

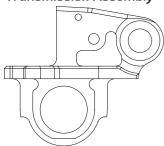
Gear Post

FF17 Front Gear Box B

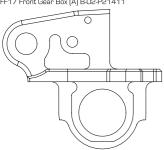
5x10x4mm Ba**ll** Bearing



Transmission Assembly



FF17 Front Gear Box (A) B-02-P21411



FF17 Front Gear Box (A) B-02-VBC-2024 x 1



Ball Connector (5mm Length) B-02-VBC-3021 x 2



Suspension Arm Spacer T2 A-03-VBC-0052 x 2

M2x10 Shaft Pin B-02-VBC-0020 x 1



Center Drive Shaft B-02-VBC-2017 x 1



Axle Lock Spring B-02-VBC-0027 x 2



20T Aluminium Top Shaft Gear B-02-P21340 x 1



4x10x3mm Bearing C-02-P21404 x 1



5x10x3mm Bearing C-02-BB-1005-30 x 1



27T Aluminium Idler Gear B-02-P21339 x 1



Gear Spacer B-02-P21342 x 1

M3x8 Roundhead

FF17 Front Gear Box A

Ball Bearing

20T Aluminium Top Shaft Gea



5x10mm Ball Bearings C-02-BB-1005-P x 2















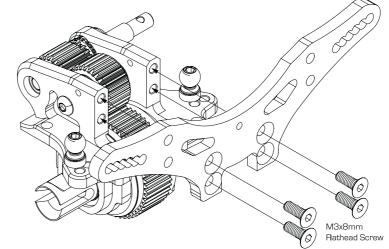
Front Damper Stay Assembly

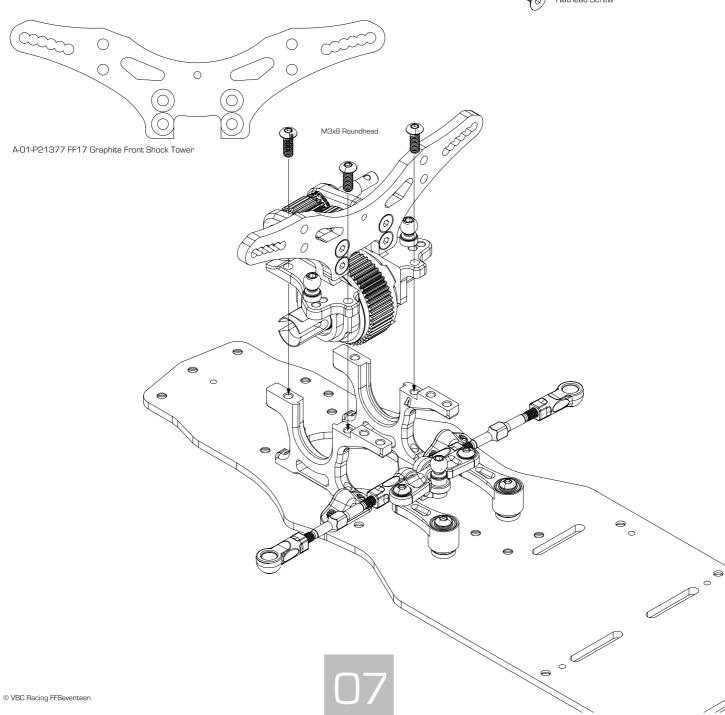


M3x8 Flathead C-02-SC-F0308 x 4



M3x8 Roundhead C-02-SC-R0308 x 3

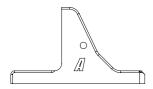




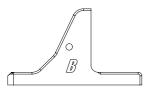




Upper Bulkhead And Rear Damper Stay Assembly

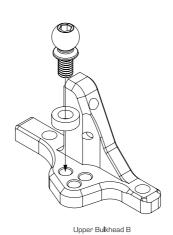


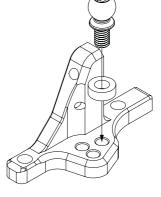
Rear Upper Bulkhead Set (A) B-02-VBC-2025 x 1



Rear Upper Bulkhead Set (B) B-02-VBC-2026 x 1

Upper Bulkhead Assembly





Upper Bulkhead A

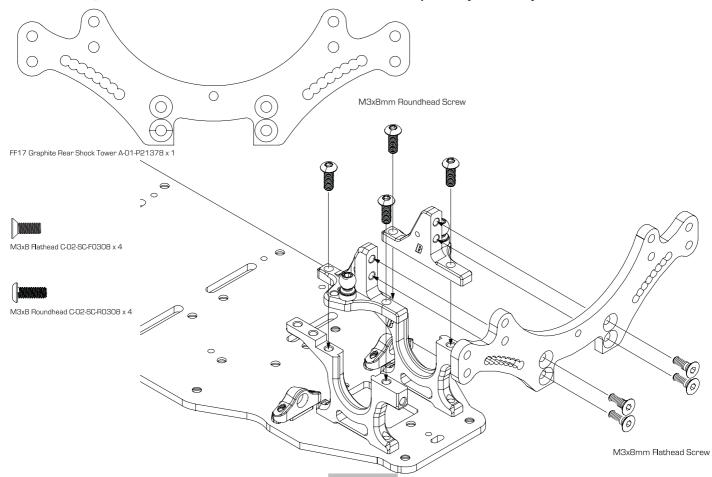


T2 7075 Spacer (Red) B-02-P30890 x 2

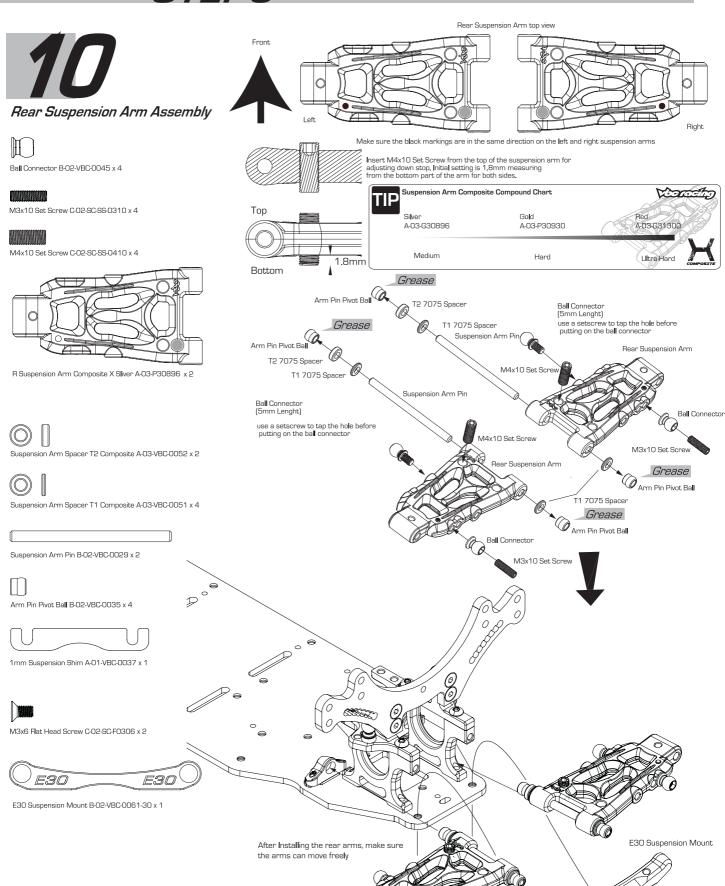


Ball Connector (5mm Length) B-02-VBC-3021 x 2

Rear Damper Stay Assembly





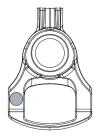


M3x6mm Flathead Screw

1mm Suspension Shim



Rear Suspension Arm Assembly



R 2-hole Upright Composite X Sliver A-03-P31327 x 2



Rear Wheel Axle B-02-VBC-2027 x 2





Ball Connetor (7.5mm Lenght) B-02-VBC-3022 x 2



T2 7075 Spacer B-02-VBC-0019-20 x 2



Lightweight O Offset Hex Wheel Hub B-02-P30887 x 2



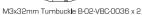
M3x3 Set Screw C-02-SC-SS-0303



M2x10 Shaft Pin B-02-VBC-0020 x 2









Turnbuck**l**e Cup A-03-VBC-0039 x 4



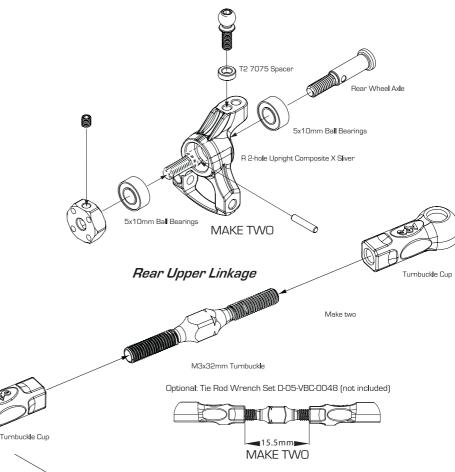
M3x23 Upright Pin B-02-VBC-0032 x 2



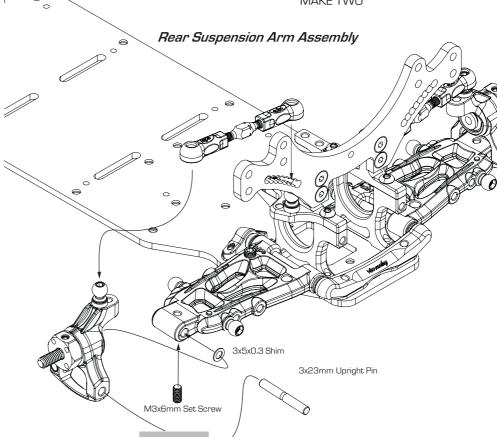
3x5x0.3mm Shim B-02-VBC-0101 x 2



M3x6 Set Screw C-02-SC-SS-0306 x 2

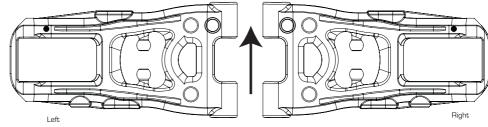


Rear Suspension Upright Assembly





Front Suspension Arm Assembly



Make sure the black markings are in the same direction on the left and right suspension arms

Front Suspension Arms top view



Turnbuck**l**e Cup Open Type L A-03-VBC-0041 x 2







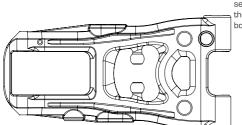
Suspension Arm Spacer T1 A-03-VBC-0051 x 4



Suspension Arm Spacer T2 A-03-VBC-0052 x 2



Suspension Arm Pin B-02-VBC-0029 x 2



F Suspension Arm Composite X Sliver A-03-P30899

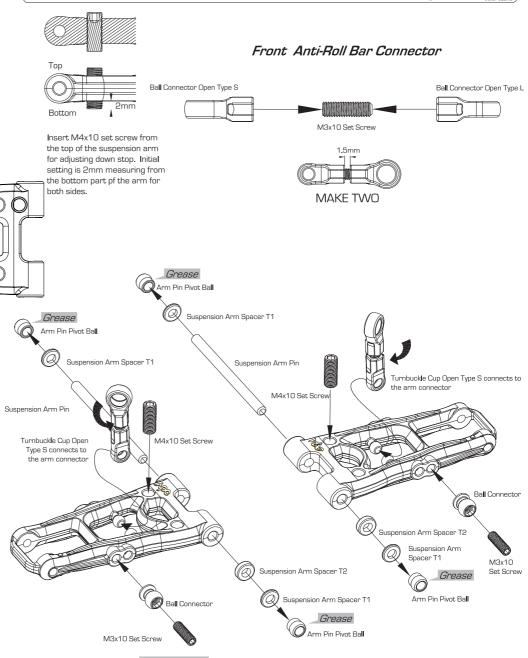


Ball Connector B-02-VBC-0045 x 2

M3x10 Set Screw C-02-SC-SS-0310 x 4



M4x10 Set Screw C-02-SC-SS-0410 x 2





Front Suspension Arm Assembly

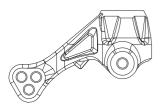




1mm Suspension Shim A-01-VBC-0037 x 1



M3x6 Flat Head Screw C-02-SC-F0306 x 2



Steering Block Composite X Sliver A-03-P30898 x 2



Inner Axle B-02-VBC-0024 x 2



Wheel Axle B-02-VBC-0025 x 2



Axle Joint B-02-VBC-0026 x 2



Axle Lock Spring B-02-VBC-0027 x 2



5x10mm Ba**ll** Bearing C-02-BB-1005-B x 4

M2x12 Shaft Pin B-02-VBC-0022 x 2

M2x10 Shaft Pin B-02-VBC-0020 x 2



Shaft End Shoe A-03-VBC-0038 x 2



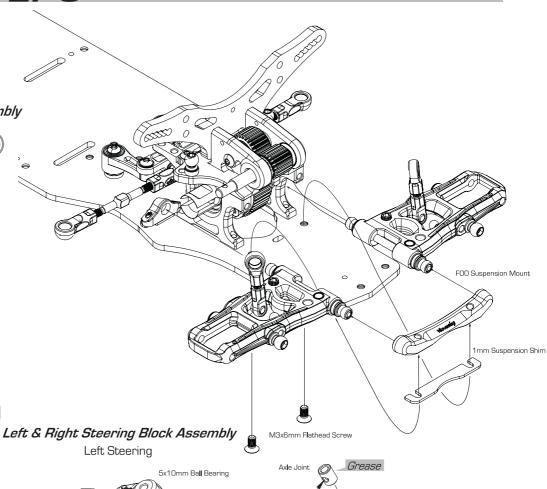
M3x2 Set Screw C-02-SC-SS-0302 x 2

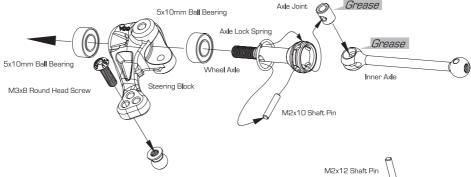


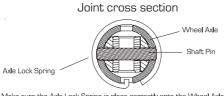
Lightweight 0 Offset Hex Wheel Hub B-02-P30887 x 2

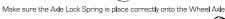


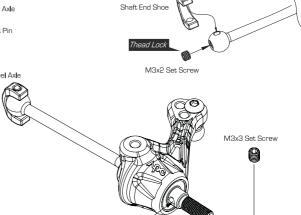
M3x3 Set Screw C-02-SC-SS-0303 © VBC Racing FFSeventeen











M2x10 Shaft Pin



Ball Connetor B-02-VBC-0045 x 2



M3x8 Round Head Screw C-02-SC-R0308 x 2

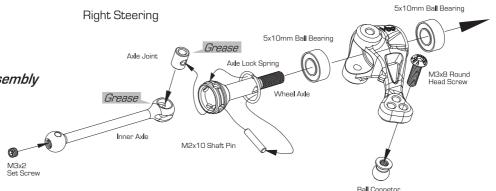


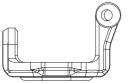




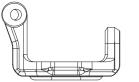


Front Suspension Arm Assembly





R C-Hub Composite X Sliver A-03-P30900 x 1



L C-Hub Composite X Sliver A-03-P30901x 1



Steering Swivel Tube B-02-VBC-0033 x 4



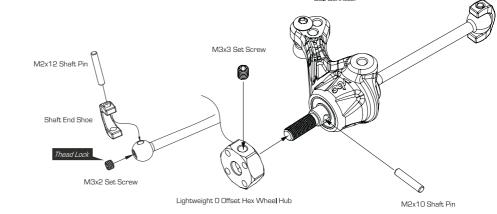
Ball Connector B-02-VBC-0045 x 2



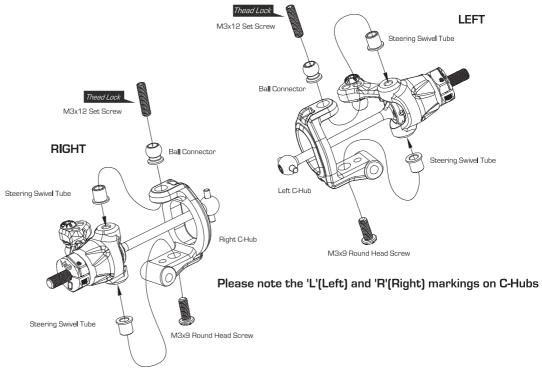
M3x12 Set Screw C-02-SC-SS-0312 x 2



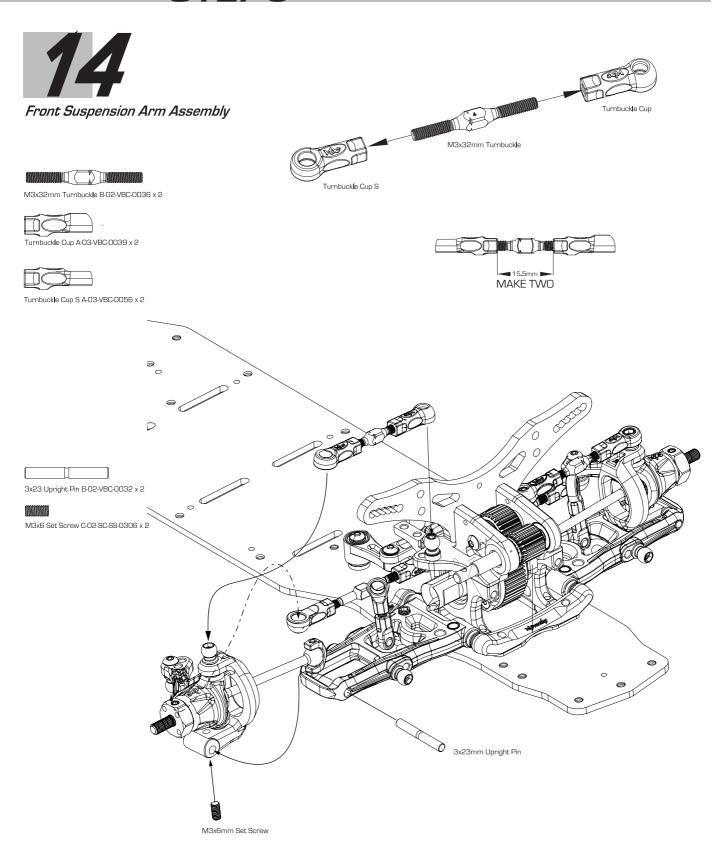
M3x9 Round Head Screw C-02-SC-R0308 x 2



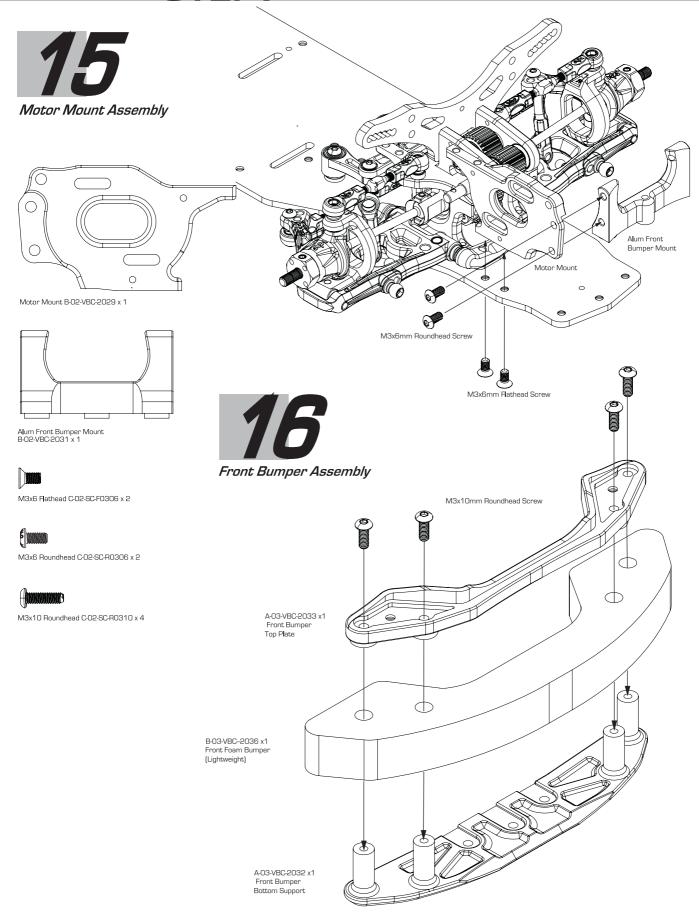
Left & Right C-Hub Assembly



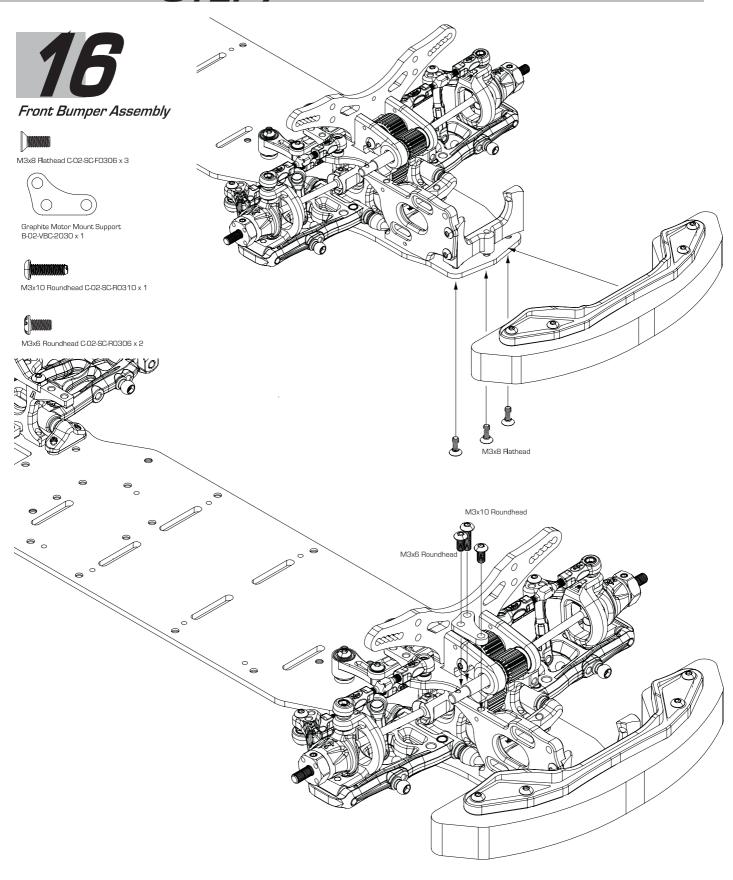




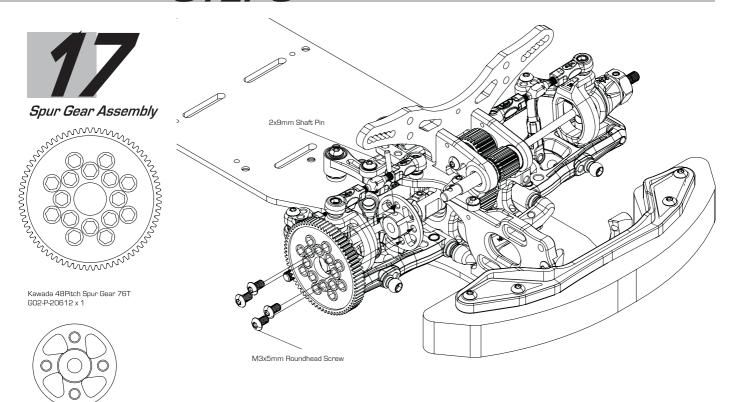
Vierneing



Vierneing





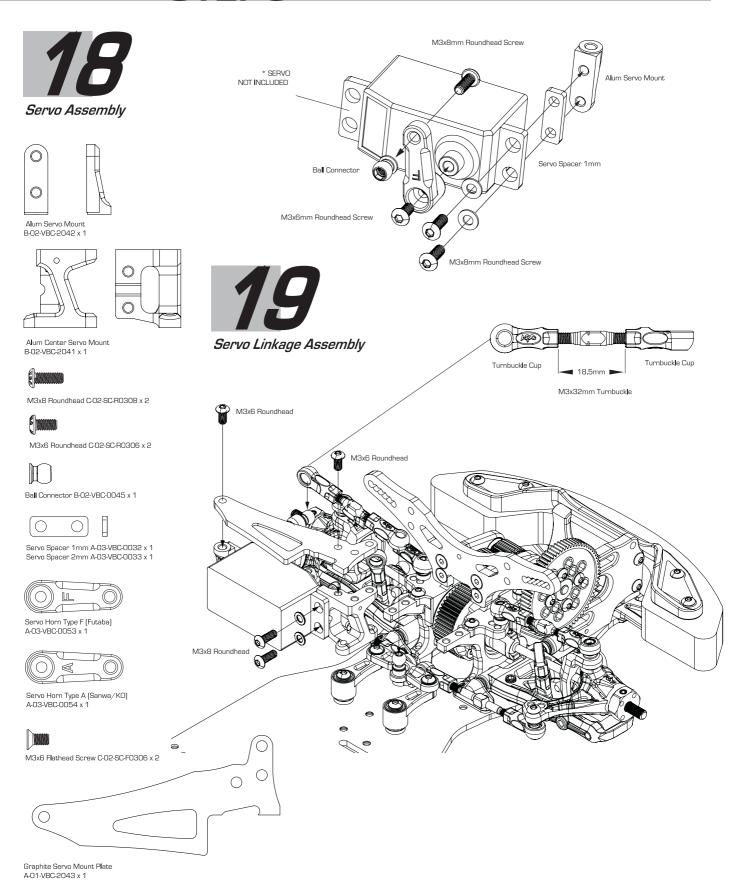


Alum Spur Gear Adaptor B-02-VBC-2037 x 1

2x9mm Shaft Pin B-02-VBC-2038 x 1

M3x5 Roundhead C-02-SC-R0305 x 4

Vierneing







Front And Rear Stabilizer Mount Assembly



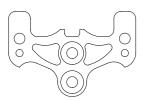
Stabilizer Connector B-02-VBC-0047 x 4



Stabilizer Collar B-02-VBC-2048 x 2



M3x3mm Set Screw C-02-SC-SS-0303 x 8



Graphite Stabilizer Mount Plate A-01-VBC-2050 x 1

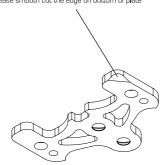


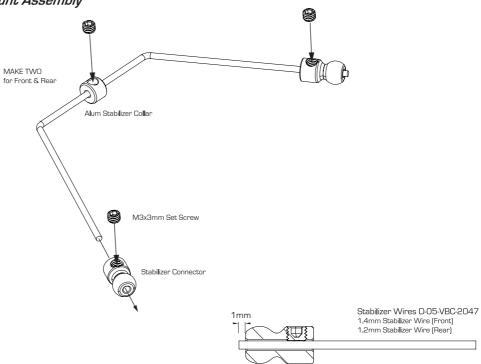
Plastic Front Stabilizer Mount A-03-VBC-2051 x $^{\circ}$

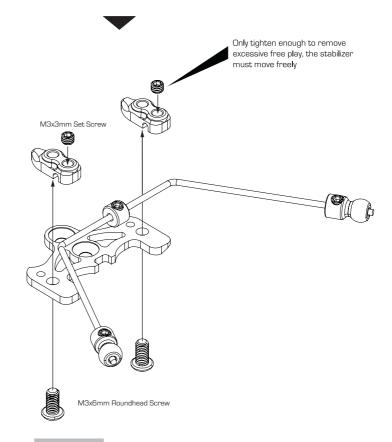


M3x6 Roundhead Screw C-02-SC-R0306 x 2

In order to affect the servo linkage movement, please smooth cut the edge on bottom of plate







Vierneing



Front And Rear Stabilizer Mount Assembly



M3x8 Flathead Screw C-02-SC-F0308 x 2



Plastic Rear Stabilizer Mount A-03-VBC-2052 x 1



M3x3mm Set Screw C-02-SC-SS-0303 x 2



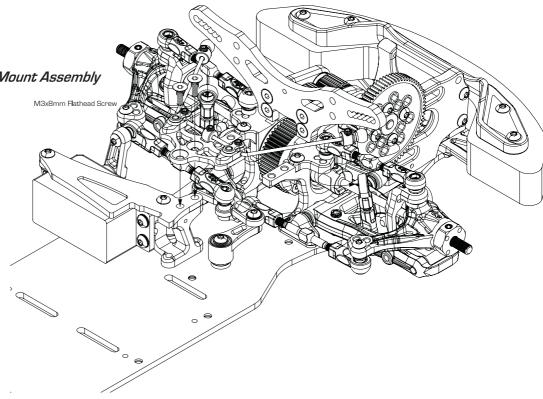
M3x8 Roundhead Screw C-02-SC-R0308 x 2

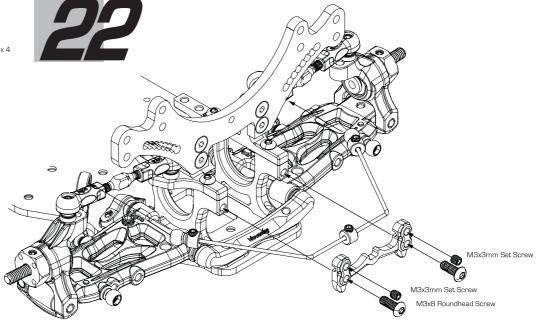


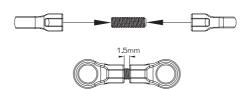
M3x10mm Set Screw C-02-SC-SS-0310 x 2



Turnbuckle Cup Open Type L A-03-VBC-0041 x 4



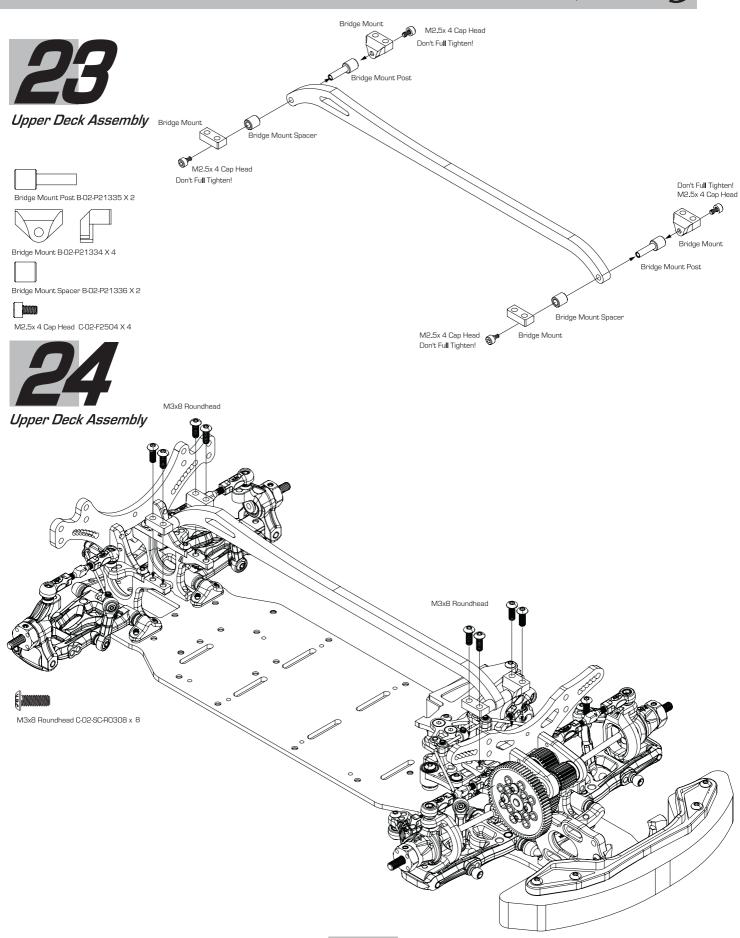




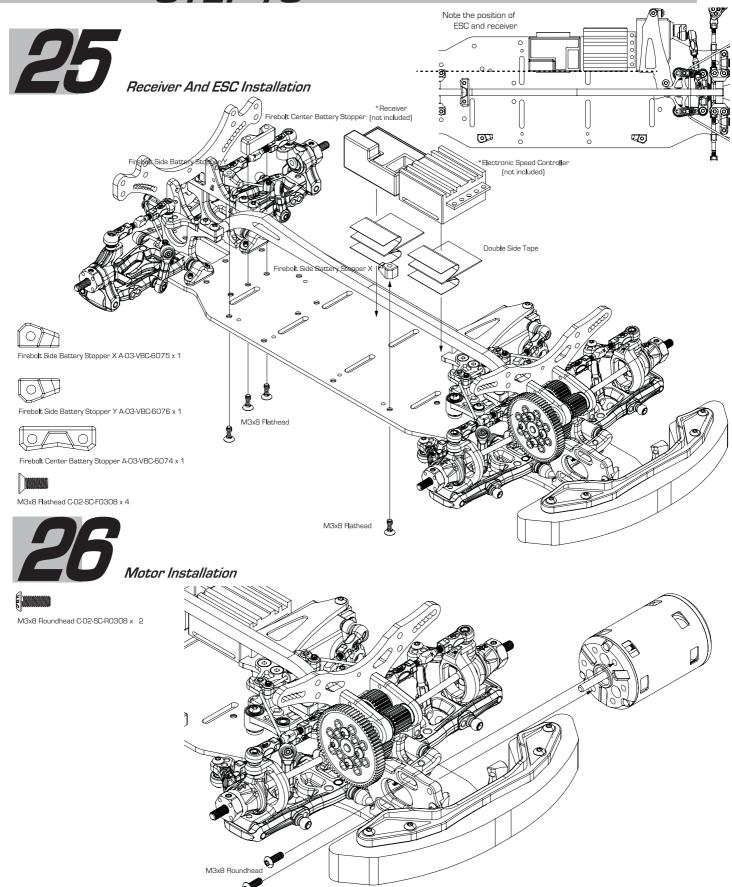
Note the double ring face to ball connector



Vierneing

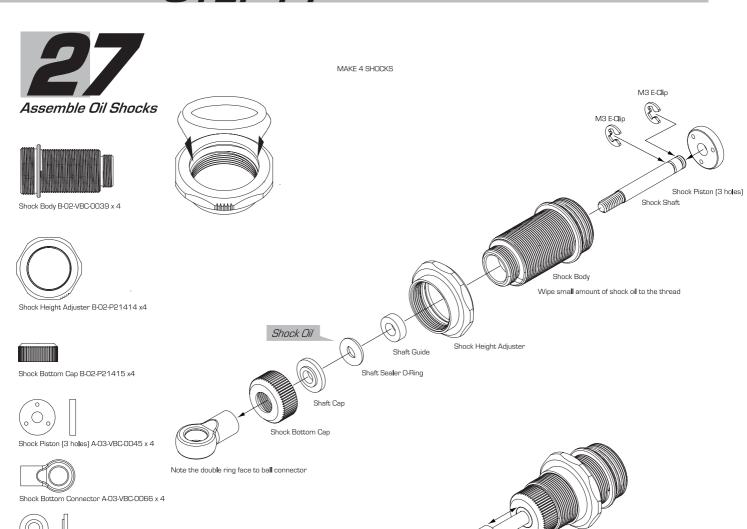


Viendelin





Make sure the shock shaft can move up and down freely





Shaft Cap A-03-VBC-0046 x 4

 (\bigcirc)



Sealer O-Ring B-03-VBC-0002 x 4



M3 E-Clip B-02-VBC-0044 x 8





Assemble Oil Shocks Part2



Shock Top Connector A-03-VBC-0042 x 4



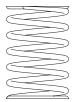
Spring Bottom Support A-03-VBC-0043 x 4



Oil Sealer Cap B-03-VBC-0011 x 4



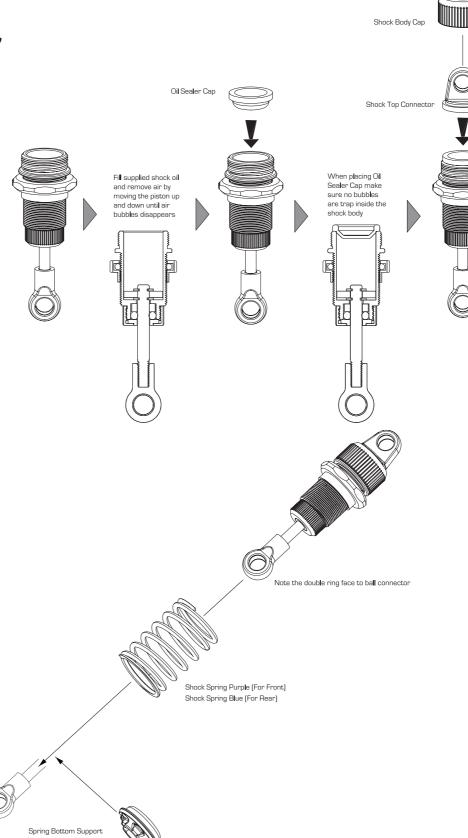
Shock Body Cap B-02-P21417 x 4



FF17 Purple Spring N-01-P21418 X 2

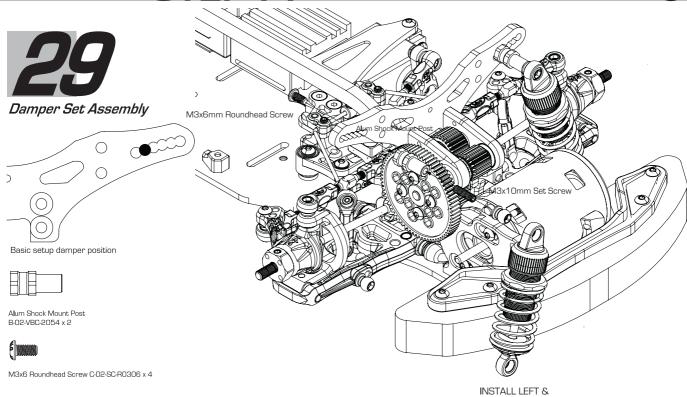


FF17 Blue Spring N-01-P21419 X 2

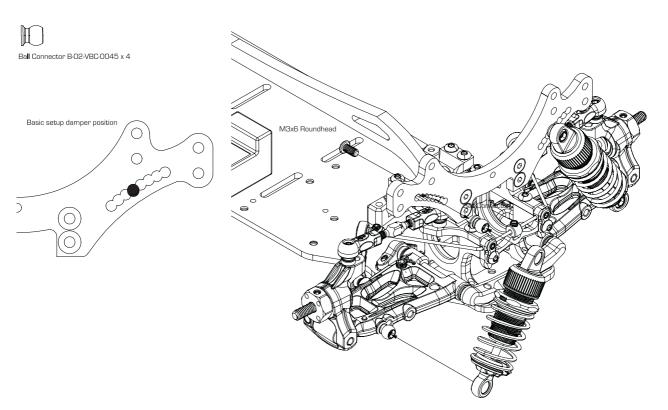


Vierneing

RIGHT DAMPERS

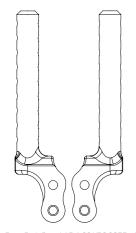


M3x10mm Set Screw C-02-SC-SS-0310 x 2





Front Body Post Assembly



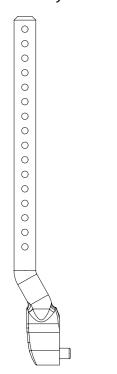
Front Body Post, L&R A-03-VBC-2055 x 2



M3x10 Roundhead Screw C-02-SC-R0310 x 4



Rear Body Post Assembly



Rear Body Posts A-03-VBC-2056 x 2

