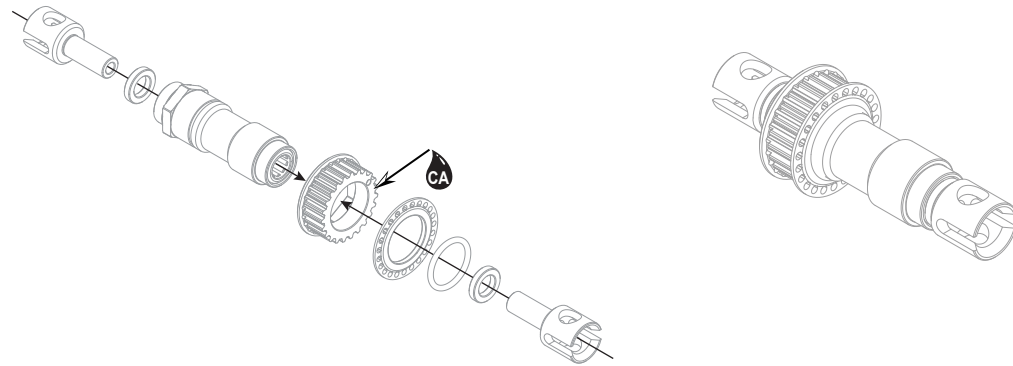


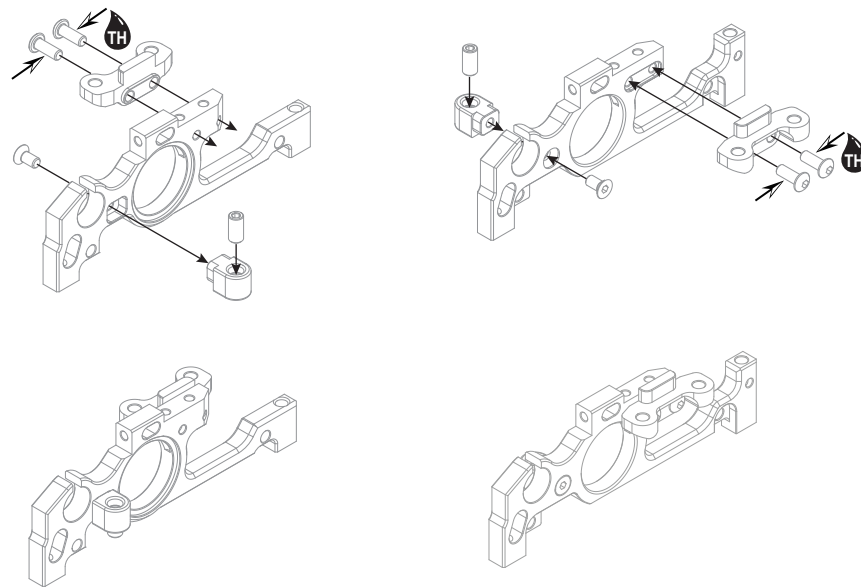
## BAG 01

- R803059**  
Front One Way Cup (2)
- R802019**  
Front One Way
- R801111**  
Pulley Set-Front
- R801104**  
One Way Plastic Shims (2)
- R804020**  
O'Ring 10x1.5 (6)



## BAG 01

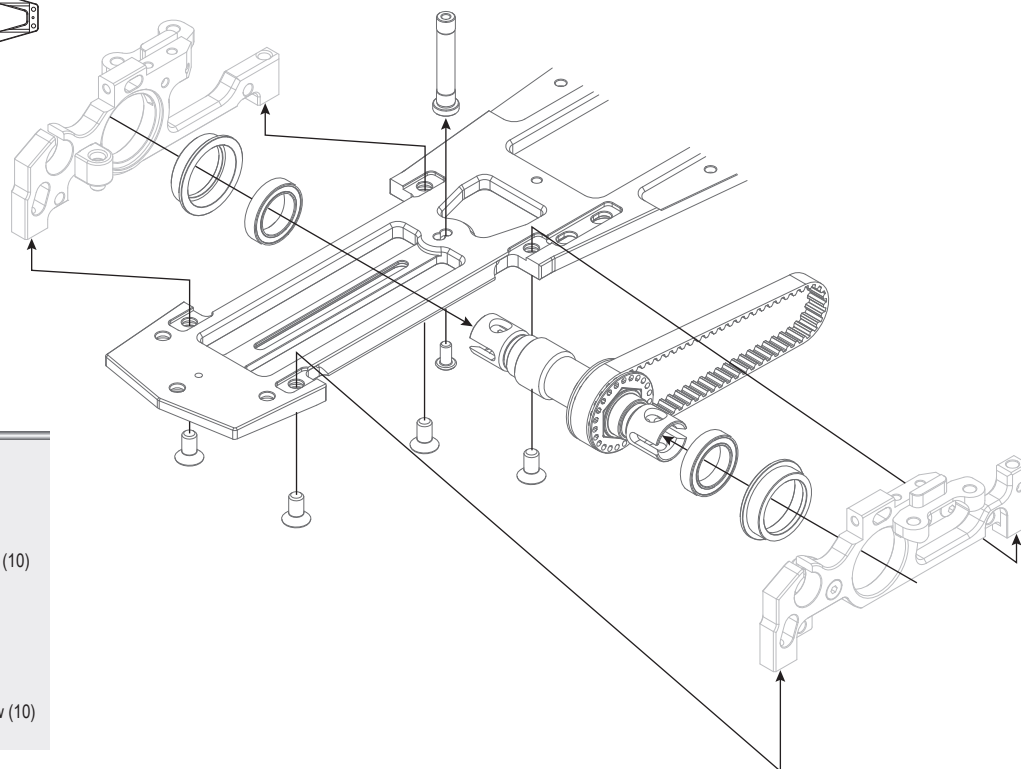
- R812002**  
R8.1 Front Alu-Bulkhead-L
- R812003**  
R8.1 Front Alu-Bulkhead-R
- R801020**  
Downstop Nut Holder (2)
- R802020**  
Front Upper Arm Bracket Base



- R105105**  
3x8 Round Screw (10)
- R105203**  
3x6mm Flat Screw (10)
- R805052**  
4x8mm Set (10)

## BAG 01

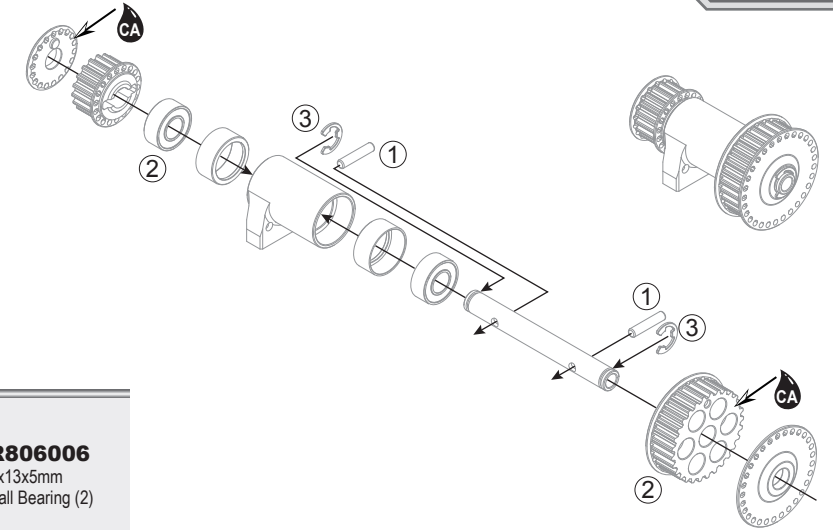
- R812001**  
R8.1 Main Chassis
- R801042**  
Bearing Bushing -Front One Way (2)
- R803040**  
Servo Saver Base Post
- R804030**  
Front Belt 201



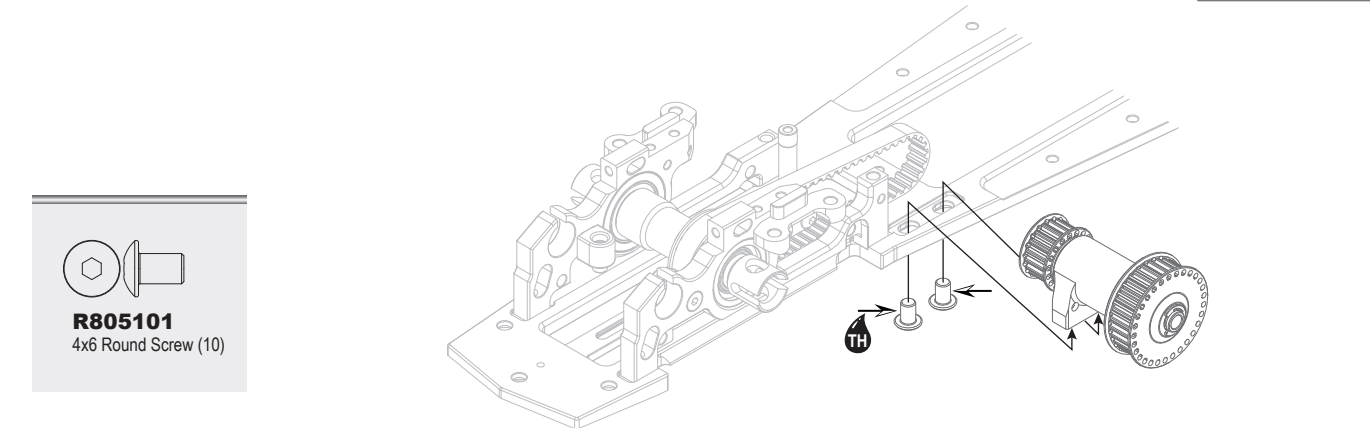
- R806020**  
12x18x4mm Ball Bearing (4)
- R105104**  
3x6 Round Screw (10)
- R805201**  
4x8mm Flat Screw (10)

## BAG 01

- R801111**  
Pulley Set-Front
- R801041**  
Bearing Bushing -Middle Shaft (2)
- R801112**  
Pulley Set-Middle
- R812007**  
R8.1 Middle Shaft Block
- R803011**  
Middle Shaft



- R805045**  
E-Clip 5mm (6)
- R806006**  
6x13x5mm Ball Bearing (2)
- R806100**  
Ø2.5x11.8 Pin (6)

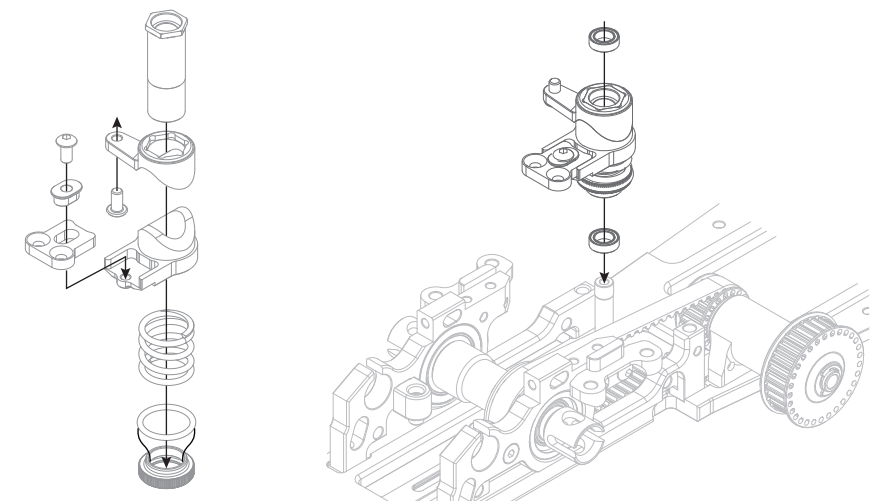


## BAG 01

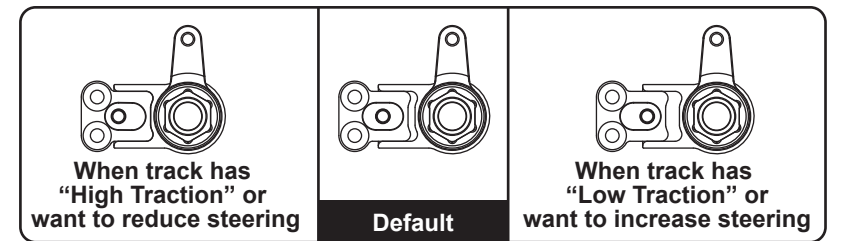
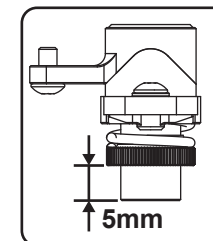
- R805101**  
4x6 Round Screw (10)

## BAG 01

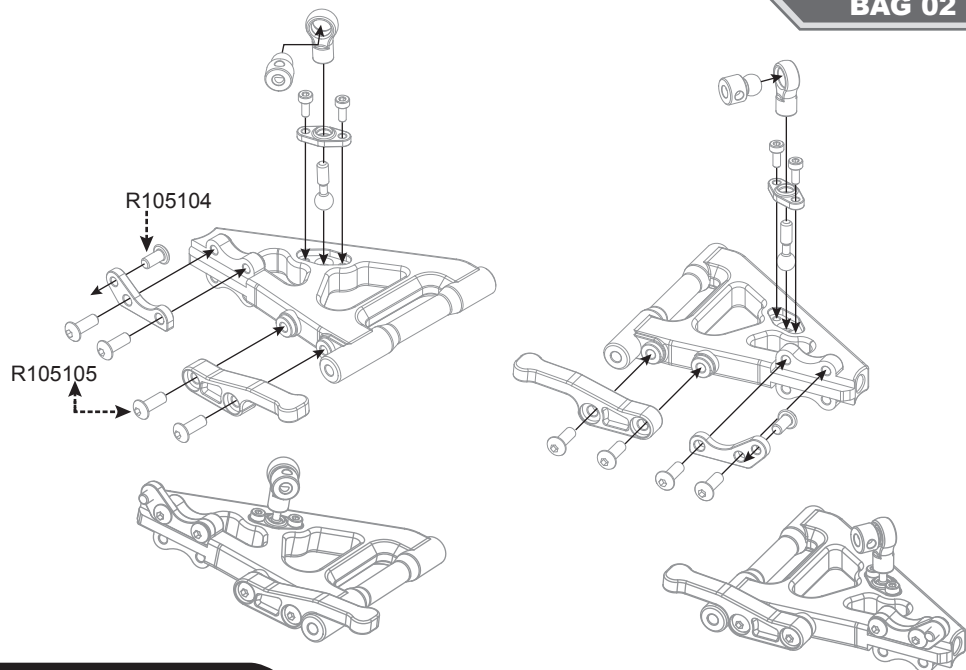
- R802110**  
Servo Saver Tower
- R802008**  
Servo Saver Alu
- R807010**  
Servo Saver Spring
- R801108**  
Ackermen Adjustment Shims (2) 0/+1.5
- R808010**  
Ackermen Plate 8.5mm Carbon



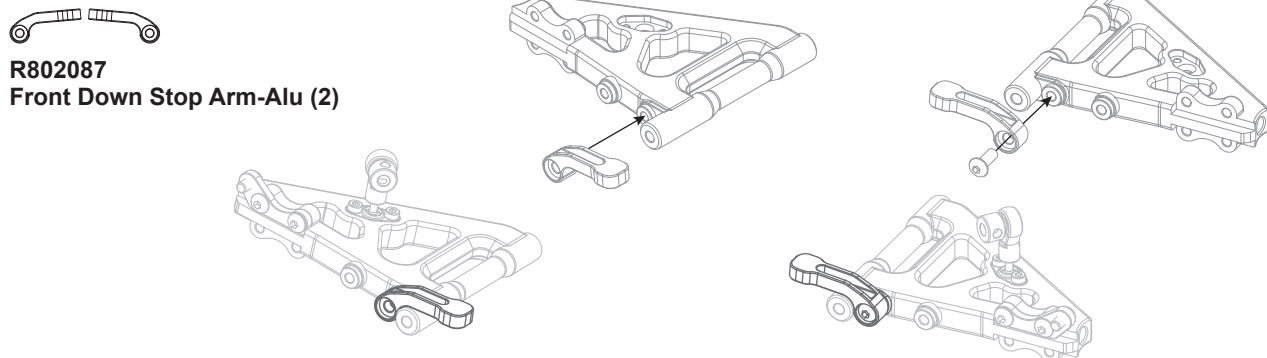
- R105104**  
3x6 Round Screw (10)
- R106010**  
5x8x2.5mm Ball Bearing (10)



## BAG 02



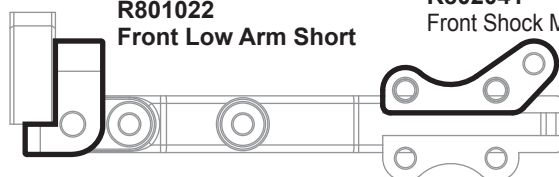
- ### Recommended option parts for R8.1 (Not Included)



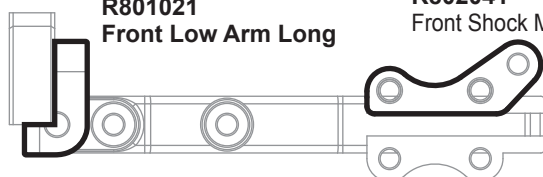
- 

- R805104**  
4x12 Round Screw (10)

**R801022**  
**Front Low Arm Short**



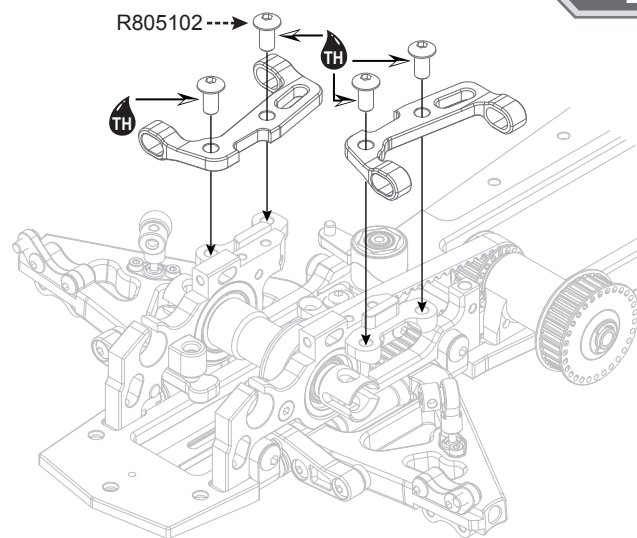
**Less steering and more initial corner speed.**



**More steering and less initial corner speed.**

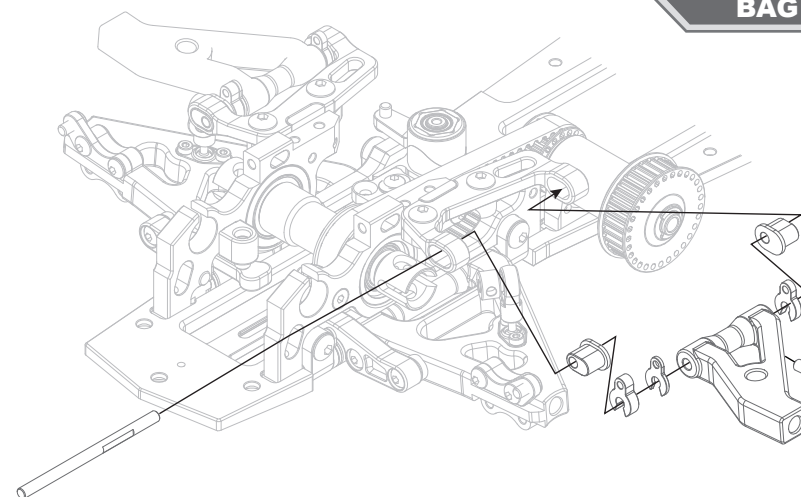
- 
- R802006**  
Front Upper Arm Bracket

- 
- R805102**  
4x8 Round Screw (10)



- The diagram illustrates the assembly of the front upper arm and suspension bracket. It shows the **R801072** Front Upper Arm (2) being attached to the **R803033** Front Upper Arm Pin 3x49 (2). The pin is inserted into the arm, and the **R801023** Suspension Bracket Insert-Open (8) is then attached to the end of the pin. Finally, the **R801094** Spacer 3mm+2mm+1mm is shown being inserted into the bracket.

-  **R805307**  
3x6mm Set (10)



### Front Upper Arm Long



### Front Upper Arm Medium



### Front Upper Arm Short



## BAG 02

- R801055**  
Steering Block

**R802032**  
Front Tire Hook (2)

**R803062**  
Front CVD Shaft (2)

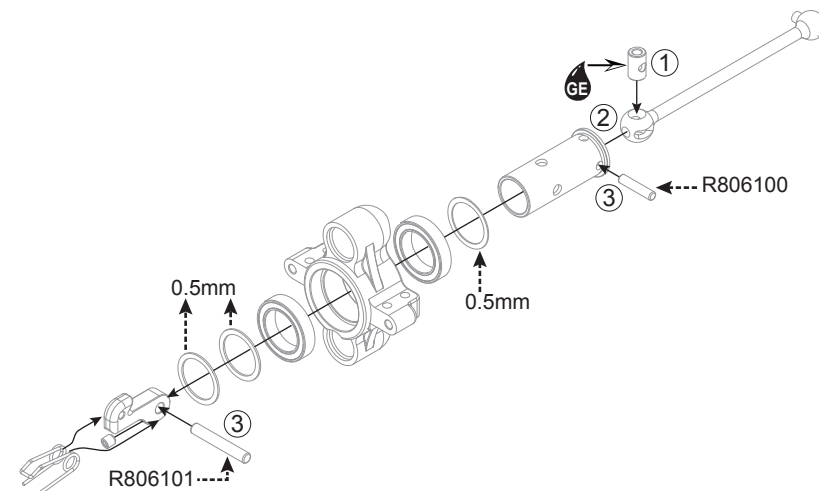
**R807004**  
Tire Hook Spring (4)

**R803064**  
CVD Insert (2)

**R802090**  
Front Wheel Axle - Alu (2)

**R804003**  
7.9mm Ball End Nut (4)

- The diagram illustrates three different bearing components. On the left, a small ball bearing is shown next to a rectangular block, labeled **R105401** with dimensions 3x3mm Set (10). In the center, a cylindrical pin is shown next to a rectangular block, labeled **R806100** with dimensions Ø2.5x11.8 Pin (6). On the right, a larger ball bearing is shown next to a rectangular block, labeled **R803051** with dimensions 12.1x15x0.5mm (10).





BAG 02

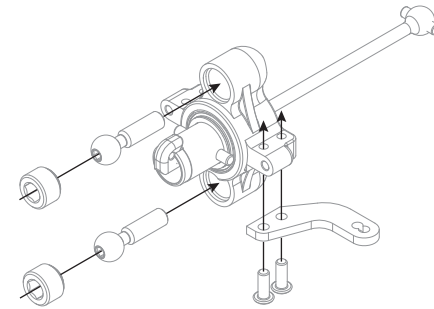
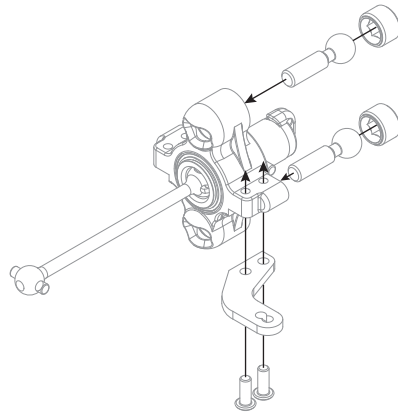
**R802086**  
7.9mm Ball End Long-Alu (4)

**R802045**  
Front Steering Plate (2)

**R804003**  
7.9mm Ball End Nut (4)

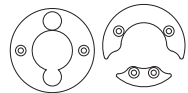


**R105105**  
3x8 Round Screw (10)



Recommended Option Parts (Not Included)

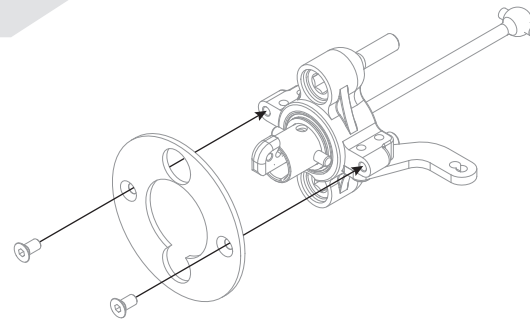
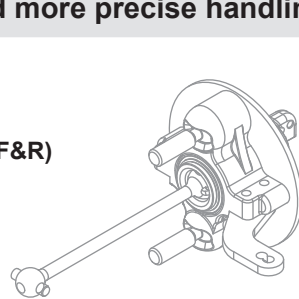
Function: Increase stability and more precise handling



**R809003**  
R8.0 Air Disk Set (F&R)

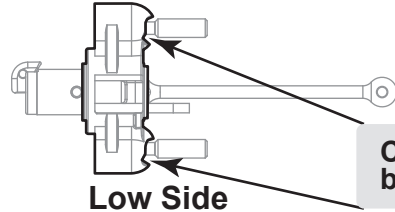


**R805010**  
3x5mm Flat Screw (10)



Right Side

Upper Side

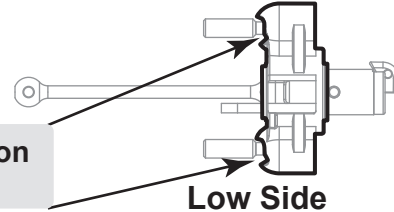


Check the direction  
before assembly

Low Side

Left Side

Upper Side

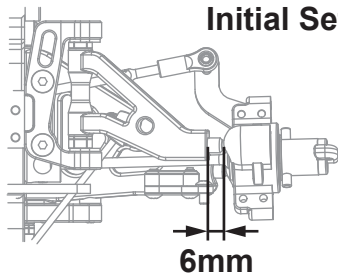


Check the direction  
before assembly

Low Side

Front upper arm width setup

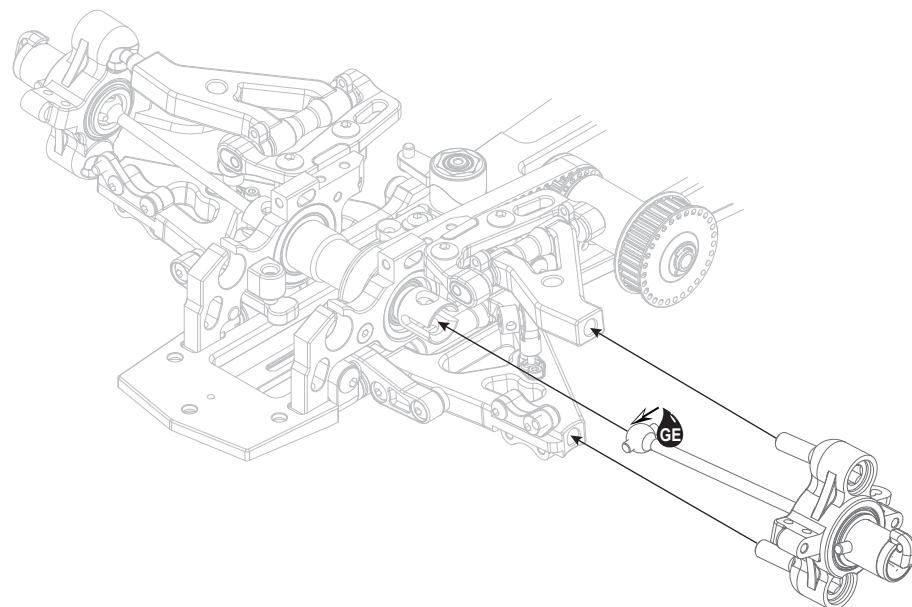
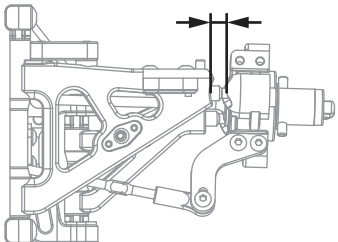
Initial Setup



6mm

Front low arm width setup

3mm



BAG 02

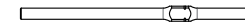
BAG 02



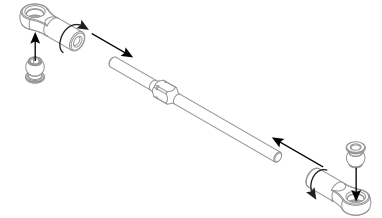
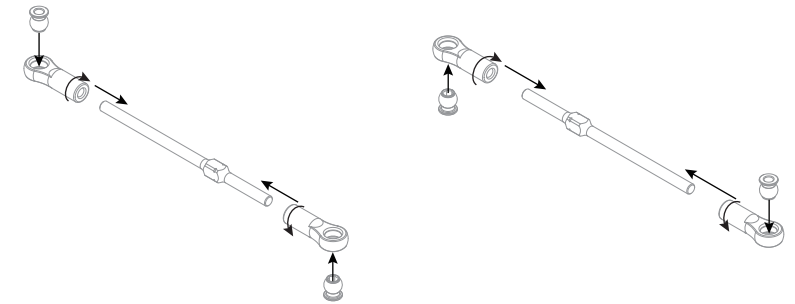
**R803016**  
Ball Head 4.9mm (4)



**R101070**  
Ball Joint 4.9mm Open (4)



**R803035**  
3mmX62mm Rod (2)



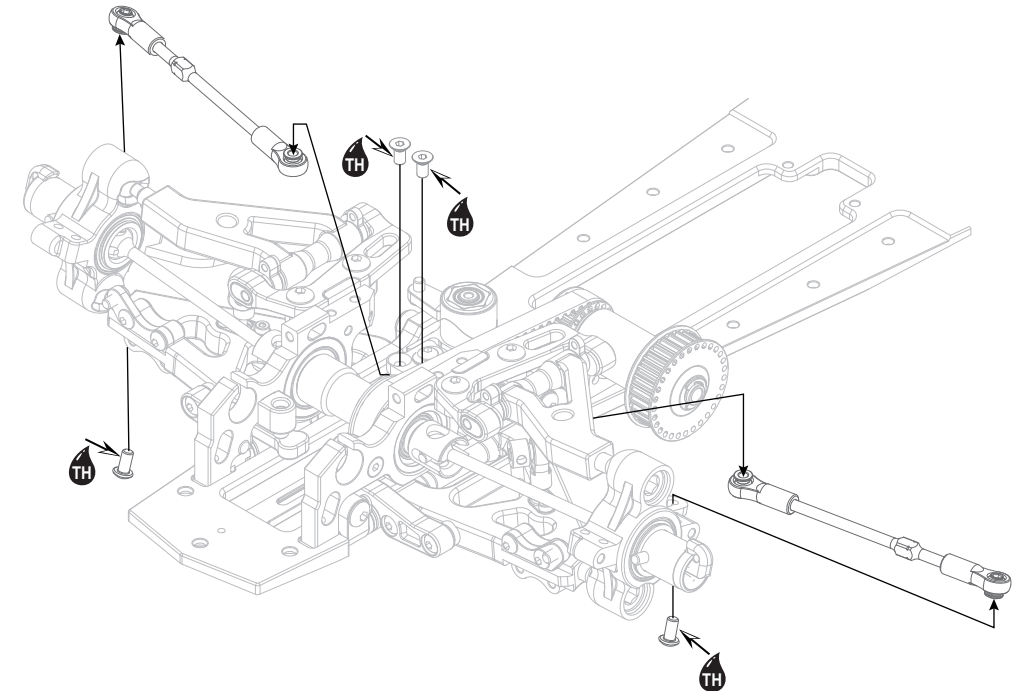
BAG 02



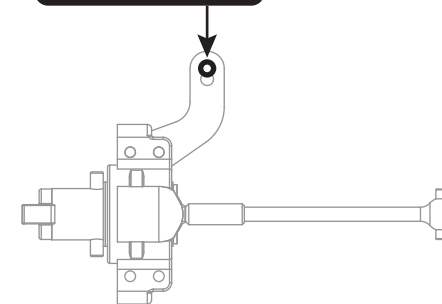
**R805010**  
3x5mm Flat Screw (10)



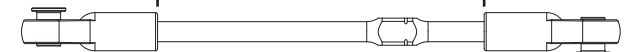
**R105104**  
3x6 Round Screw (10)



Default Position



49.5 mm



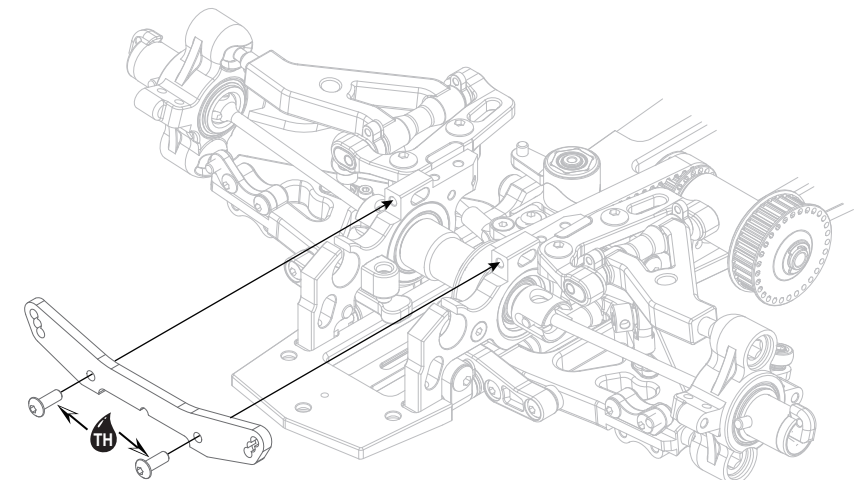
BAG 02

**R818004**

R8.1 Front Shock Tower



**R105105**  
3x8 Round Screw (10)



**R803013**  
Anti Roll Bar Stopper (2)

**R807015**  
Front Anti-Roll Bar 2.2mm

**R105401**  
3x3mm Set (10)

**R806005**  
5x10x4mm Ball Bearing (2)

**R812032**  
R8.1 Rear Low Bulkhead

**R801113**  
Pulley Set-Rear

**R803010**  
Rear Solid Axle

**R805040**  
12mm C Clip (6)

**R801024**  
Suspension Bracket Insert-Closed (8)

**R812020**  
R8.1 Rear Low Arm Bracket RF

**R805201**  
4x8mm Flat Screw (10)

**R105204**  
3x8mm Flat Screw (10)

**R806101**  
Ø3x19.8 Pin (6)

**HIGH Roll Center**

**Default**

**STANDARD Roll Center**

**LOW Roll Center**

**R801040**  
Excenter Bushing Solid Axle (2)

**R804031**  
Rear Belt 201-8

**R806020**  
12x18x4mm Ball Bearing (4)

**R808006**  
Rear Upper Link Plate

**R812033**  
R8.1 Rear Bulkhead Upper

**R105204**  
3x8mm Flat Screw (10)

**R801093**  
Rear Upper Arm Set

**R803024**  
Ball Head 6.8mm (2)

**R803037**  
4mmx17mm Turnbuckle (2)

**Step 1**

**Step 2**

**R801023**  
Suspension Bracket Insert-Open (8)

**R803038**  
Rear Upper Arm Pin 3x32.5 (2)

**R105401**  
3x3mm Set (10)

**Less Rear Grip**

**Default Setup**

**More Rear Grip**

**Recommended option parts for R8.1 (Not Included)**

**R809020**  
R8.0 Rear I-Type Upper Arm Set

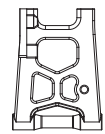
**Function:**The I-type arm is useful to fine-tune the car. It gives more options to choose different link angles and makes the rear end respond quicker.

**R818005**  
R8.1 Rear Shock Tower

**R105204**  
3x8mm Flat Screw (10)



BAG 03



**R801010**  
Rear Low Arm



**R812110**  
R8.1 Rear Low Shock Mount (2)



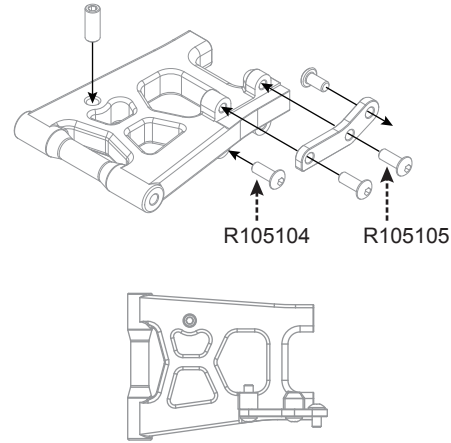
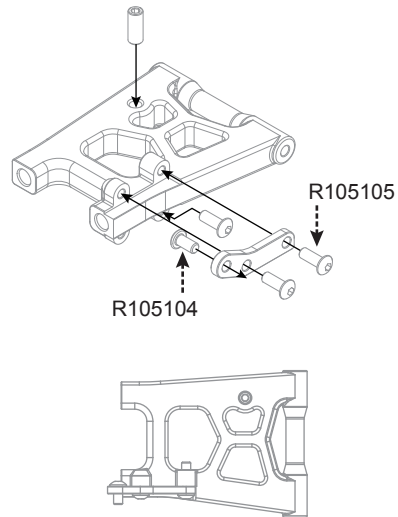
**R105104**  
3x6 Round Screw (10)



**R105105**  
3x8 Round Screw (10)



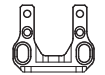
**R805053**  
4x10mm Set (10)



BAG 03



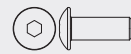
**R801024**  
Suspension Bracket  
Insert-Closed (8)



**R812021**  
R8.1 Rear Low Arm Bracket RR



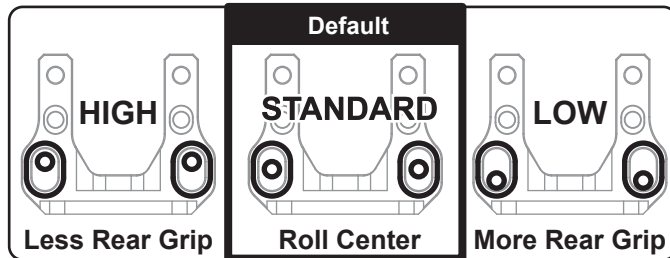
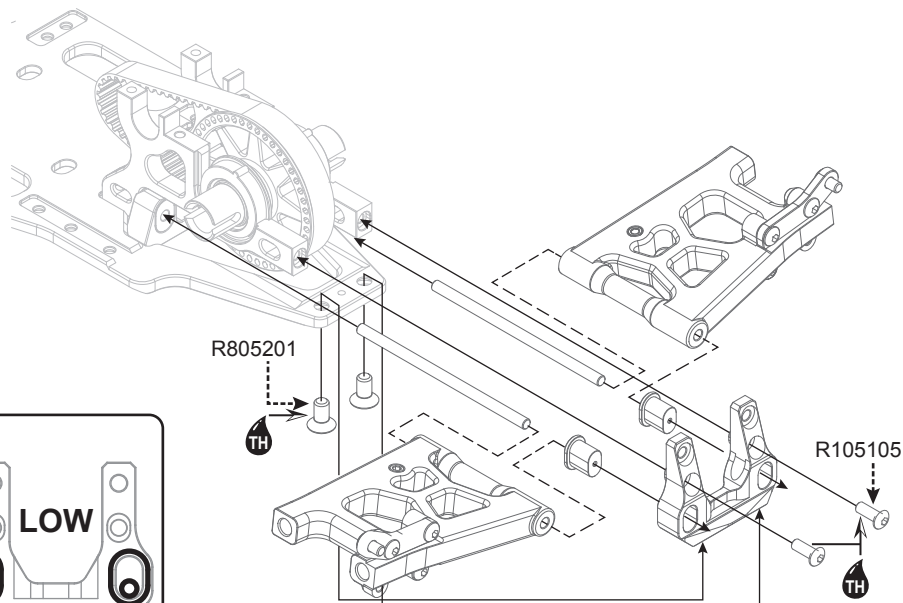
**R803032**  
Rear Low Arm Pin (2)



**R105105**  
3x8 Round Screw (10)



**R805201**  
4x8mm Flat Screw (10)



BAG 03



**R801046**  
Anti-Roll Bar Bushing -Front (2)



**R803013**  
Anti-Roll Bar Stopper (2)



**R101070**  
Ball Joint 4.9mm Open (4)



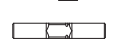
**R801090**  
Ball End 5.8mm Short (2)



**R803014**  
Anti Roll Bar Ball Head (2)



**R803016**  
Ball Head 4.9mm (4)



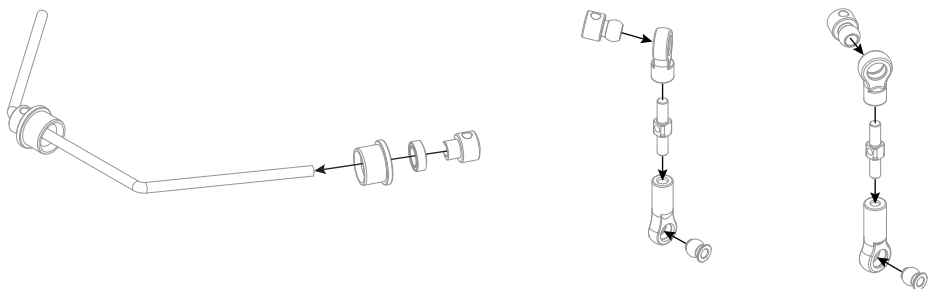
**R803034**  
3mm X 15mm Turnbuckle



**R817020**  
R8.1 Rear Anti-Roll Bar  
3.0mm



**R106010**  
5x8x2.5mm  
Ball Bearing (4)



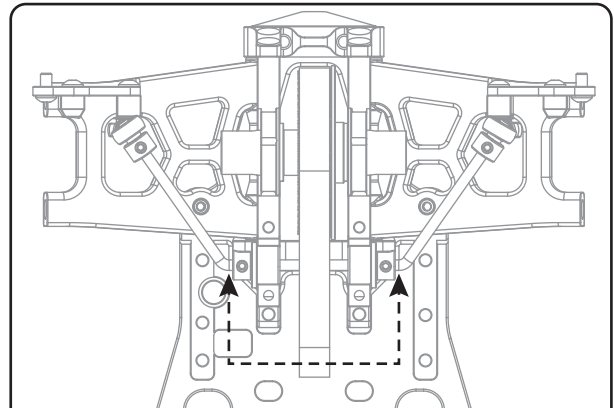
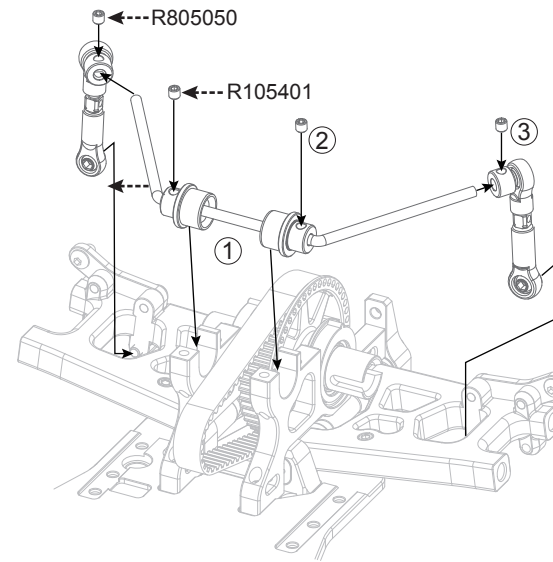
BAG 03



**R105401**  
3x3mm Set (10)



**R805050**  
4x4mm Set (10)



Centre the anti roll bar so that the spacing is equal on both sides.

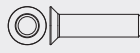
BAG 03



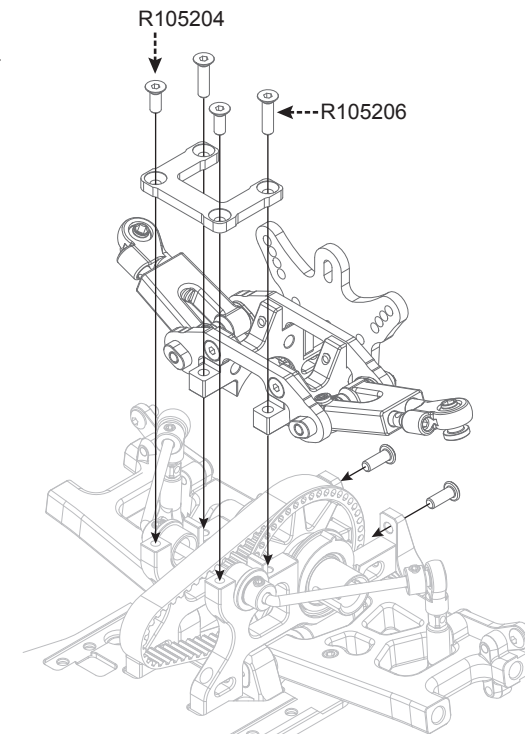
**R818011**  
R8.1 Rear Anti-Roll Bar Cover



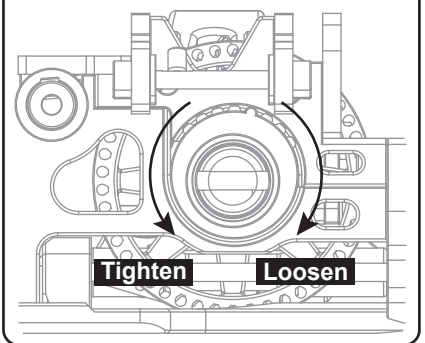
**R105204**  
3x8mm Flat Screw (10)



**R105206**  
3x12mm Flat Screw (10)



To adjust belt tension



BAG 04



**R802091**  
Rear Wheel Axle - Alu (2)



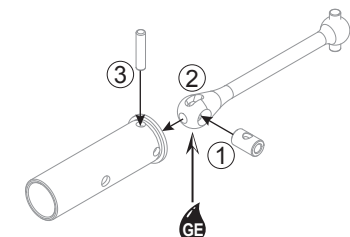
**R803071**  
Rear CVD Shaft (2)

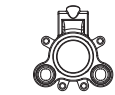


**R803064**  
CVD Insert (2)



**R806100**  
Ø2.5x11.8 Pin (6)





**R801050**  
Rear Upright



**R801043**  
Exciter Rear Upright  
Bushings +1mm (x4)  
+0mm (x4)



**R802086**  
7.9mm Ball End Long-Alu (4)



**R807004**  
Tire Hook Spring (4)

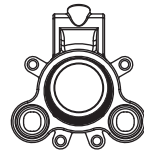


**R802033**  
Rear Tire Hook (2)

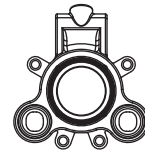


**R804003**  
7.9mm Ball End Nut (4)

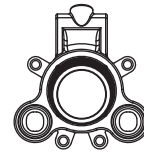
**ECCENTER HUB**



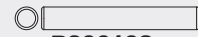
Up 1mm



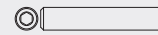
Center  
(Default Setup)



Low 1mm



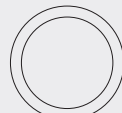
**R806102**  
3x20.8 Pin (6)



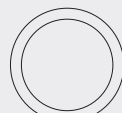
**R805049**  
3x16 Set Screw (10)



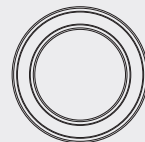
**R105401**  
3x3mm Set (10)



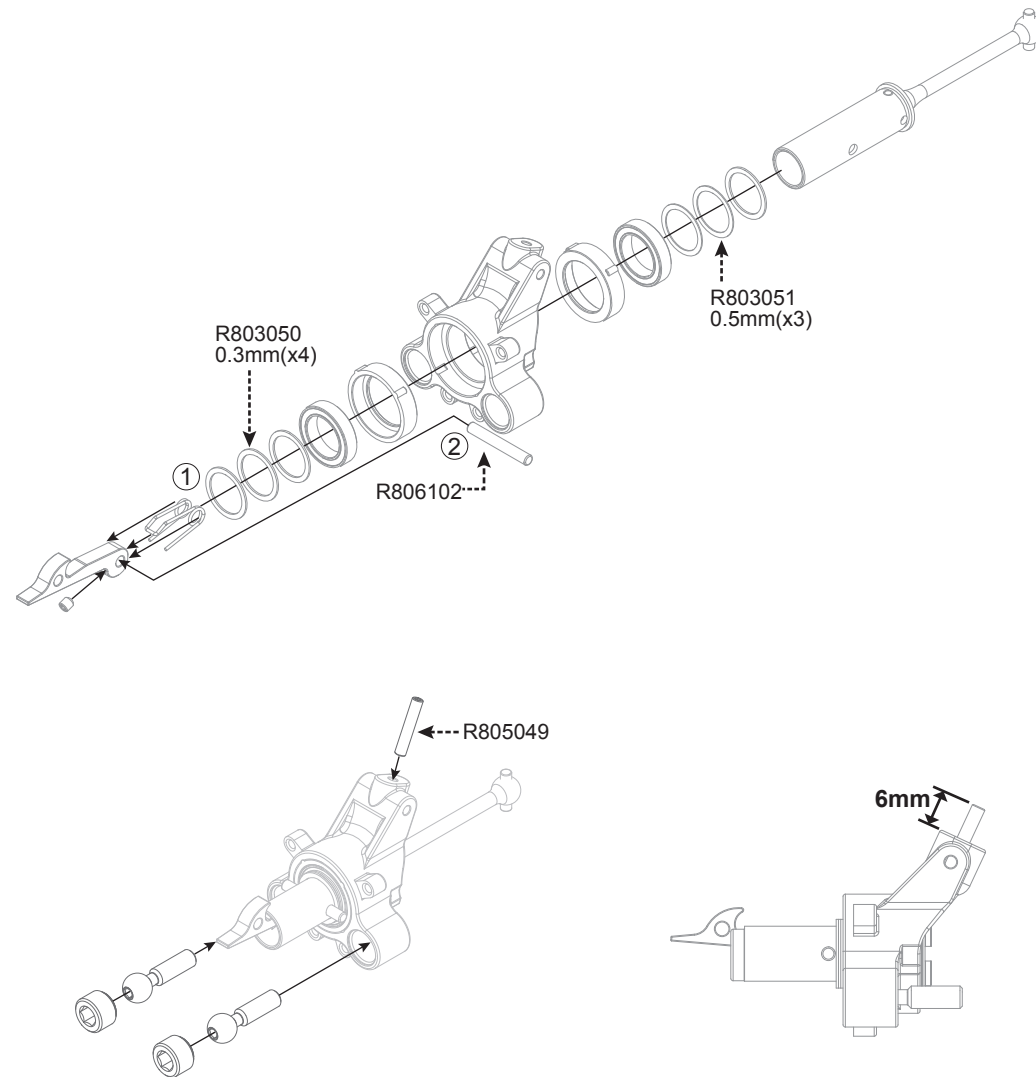
**R803050**  
12.1x15x0.3mm (10)



**R803051**  
12.1x15x0.5mm (10)



**R806020**  
12x18x4mm  
Ball Bearing (4)



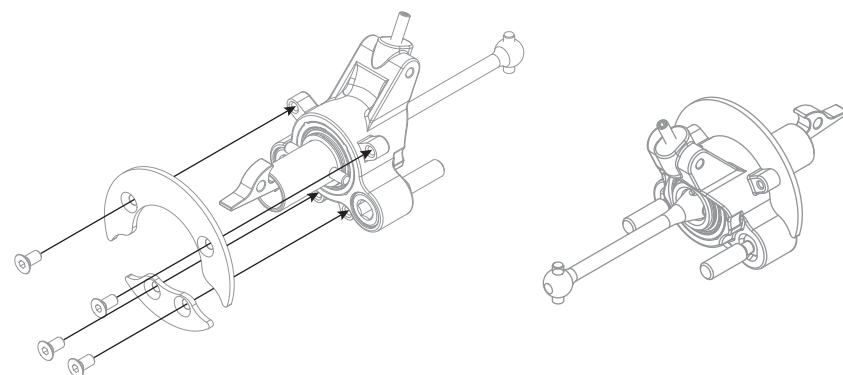
**Recommended Option Parts (Not Included)**



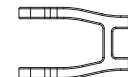
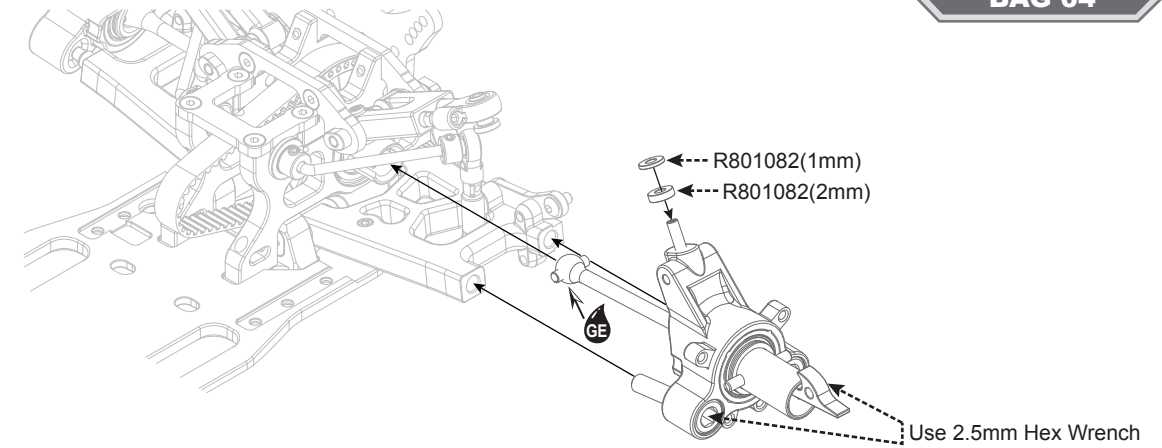
**R809003**  
R8.0 Air Disk Set (F&R)



**R805010**  
3x5mm Flat Screw (10)



**R801082**  
3x7x1mm Shims (2)  
3x7x2mm Shims (2)



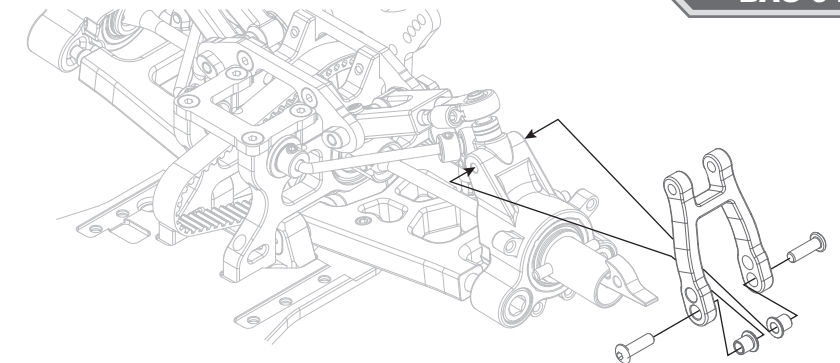
**R801070**  
Rear Body Mount Arm (2)



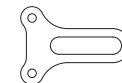
**R103007**  
Steering Block Bushing (4)



**R105106**  
3x10 Round Screw (10)



**R801071**  
Rear Body Mount



**R808007**  
Rear Body Mount Plate



**R803042**  
Rear Body Mount Nut



**R803039**  
Rear Body Mount Pin 3x19.5 (2)



**R105109**  
3x16 Round Screw



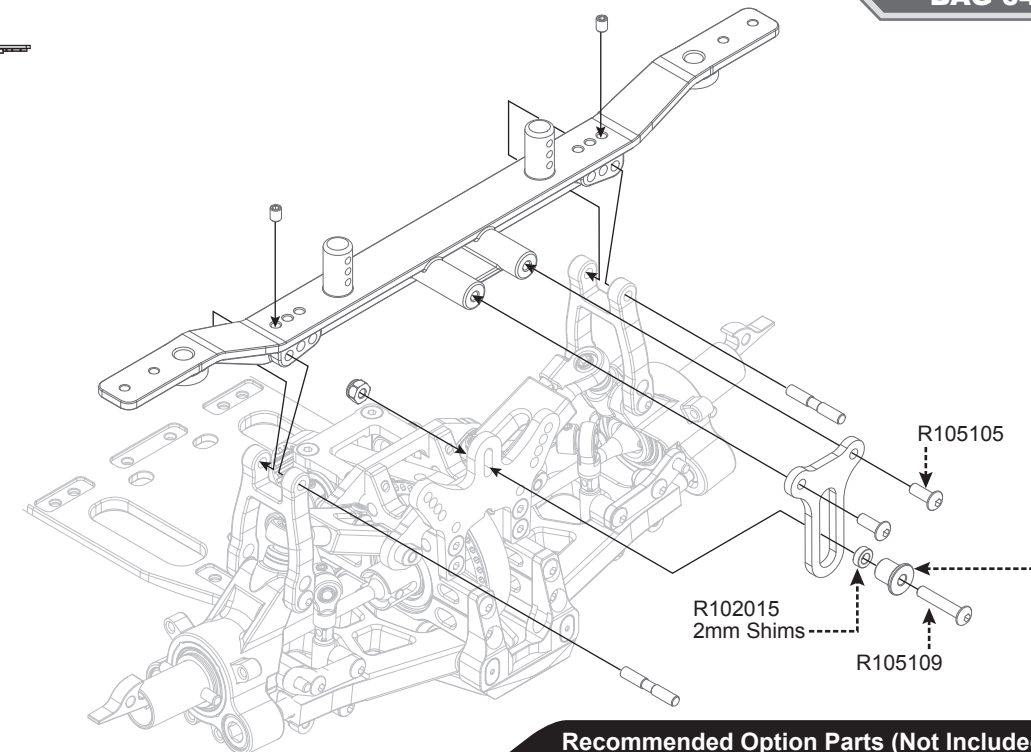
**R105105**  
3x8 Round Screw



**R105150**  
3mm Nylon Nut

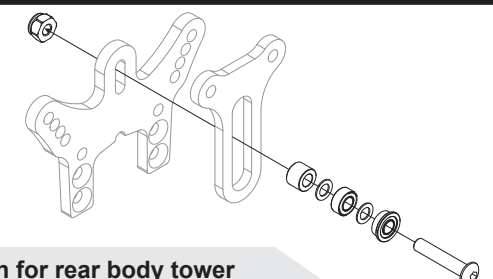


**R105401**  
3x4mm Set



**Recommended Option Parts (Not Included)**

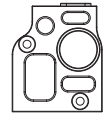
**R819001**  
R8.1 Rear Body Mount  
Ball Bearing Tower Set



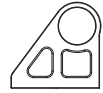
Function: Less friction for rear body tower



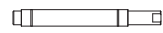
**BAG 05**



**R812030**  
R8.1 2-Speed Shaft Bracket R



**R812031**  
R8.1 2-Speed Shaft Bracket L



**R803023**  
Brake Cam-High



**R808022**  
Brake Deck



**R803005**  
Brake Pad (2)



**R807011**  
Brake Spring (2)



**R801045**  
Bearing Bushing  
-Main Shaft (2)



**R803026**  
Brake Pad Nut Long (2)



**R105204**  
3x8mm Flat Screw (10)



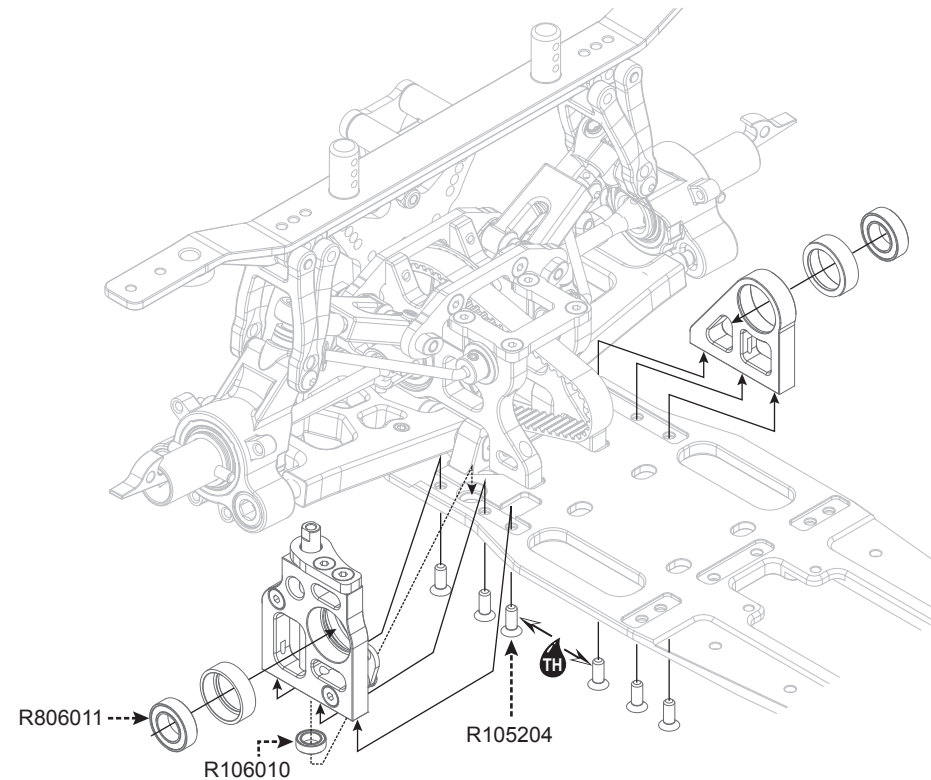
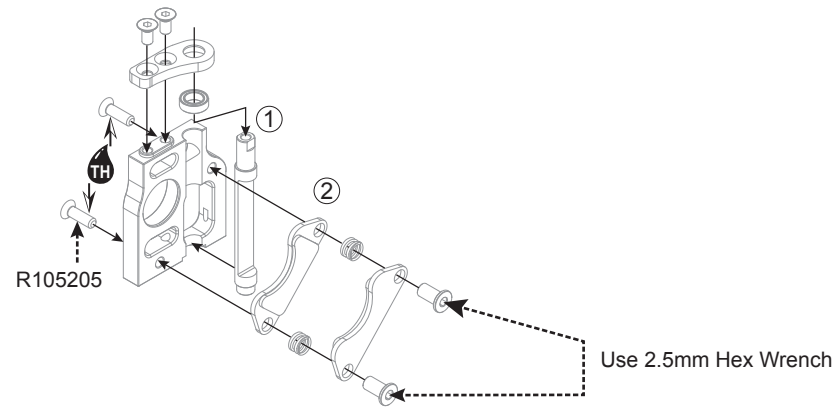
**R105205**  
3x10mm Flat Screw (10)



**R106010**  
5x8x2.5mm  
Ball Bearing (4)



**R806011**  
8x14x4mm  
Ball Bearing (2)



**R802052**  
2-Speed Bell Housing



**R802053**  
1-Speed Spur Adaptor



**R805010**  
3x5mm Flat Screw (10)



**R806010**  
8x12x3.5mm  
Ball Bearing (2)

**Spare parts**



**R804052**  
1st Spur 62T



**R804055**  
2nd Spur 58T



**R804050**  
1st Spur 60T



**R804053**  
2nd Spur 56T

**Option parts**

**BAG 05**



**R803021**  
2 Speed Adaptor



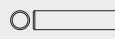
**R803022**  
2 Speed Shaft



**R807013**  
2 Speed Spring Set



**R804040**  
2 Speed Shoes (2)



**R806100**  
Ø2.5x11.8 Pin (6)



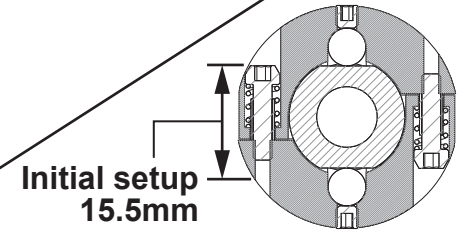
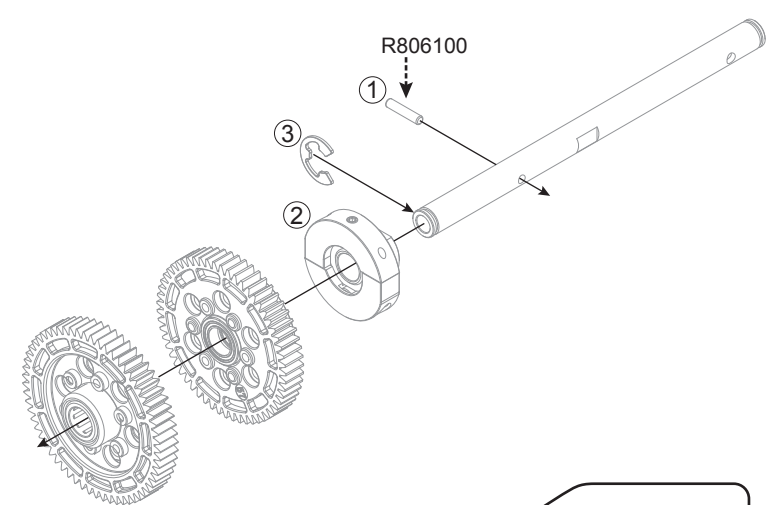
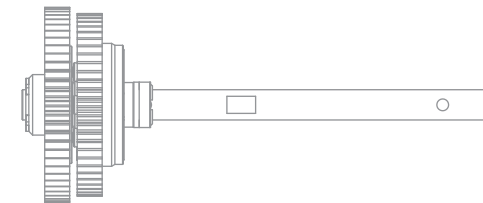
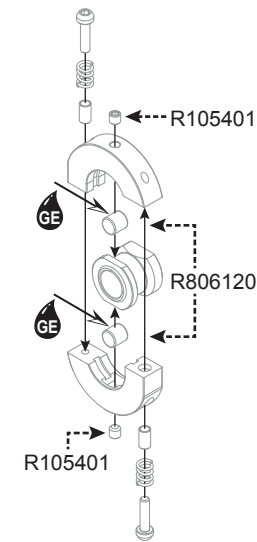
**R805046**  
E-Clip 7mm (6)



**R105401**  
3x3mm Set (10)



**R806120**  
Ø5x4.9 Pin (6)



**Note:**  
By tightening the screws, the 2 speed clutch will engage later, while loosening the screws will make the 2 speed clutch engage earlier.

**BAG 05**



**R802054**  
Brake Adaptor



**R801113**  
Pulley Set-Rear



**R104003**  
O'ring 5x2 (Hard)(4pcs)



**R801112**  
Pulley Set-Middle



**R803025**  
Brake Disk Drilled



**R805050**  
4x4mm Set (10)



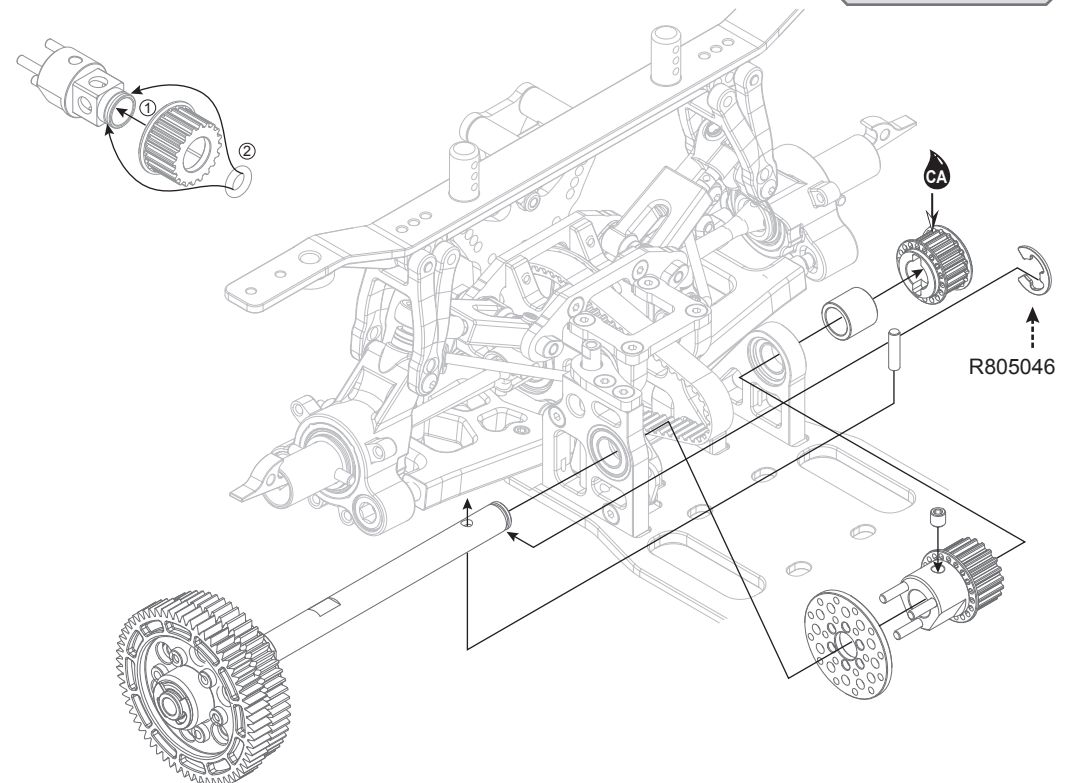
**R806111**  
Ø3x11.8 Pin (6)



**R805046**  
E-Clip 7mm (6)

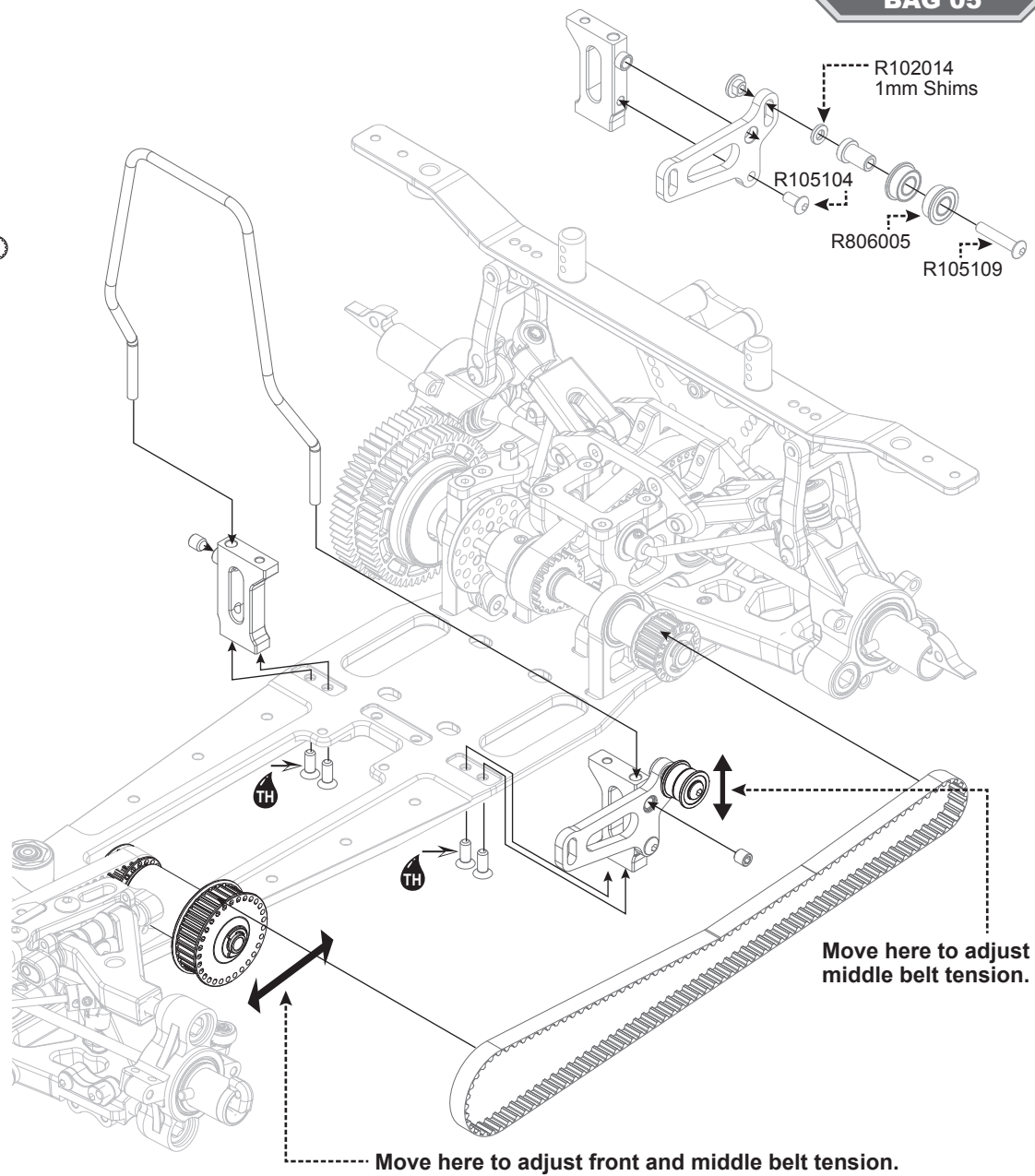


**R805047**  
E-Clip 9mm (6)

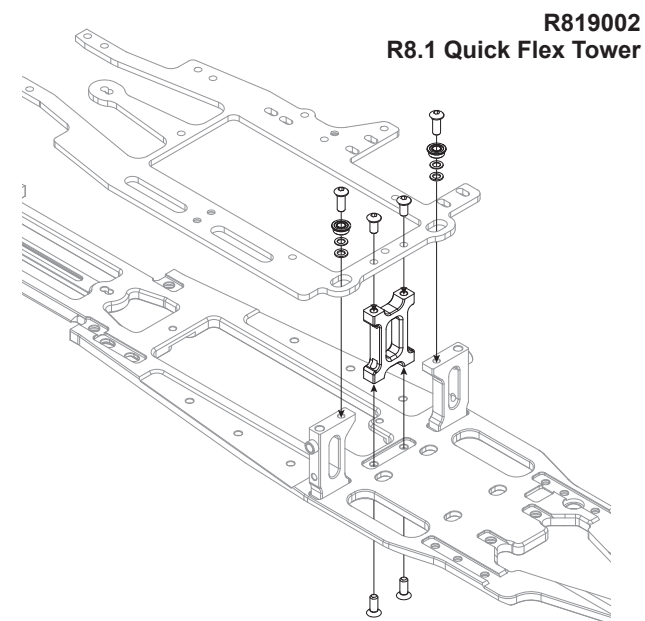


- R802011**  
Center Bulkhead
- R802050**  
Belt Tensioner Shaft (2)
- R808005**  
Belt Tensioner Plate
- R804032**  
Middle Belt 435
- R807031**  
Rollover Bar

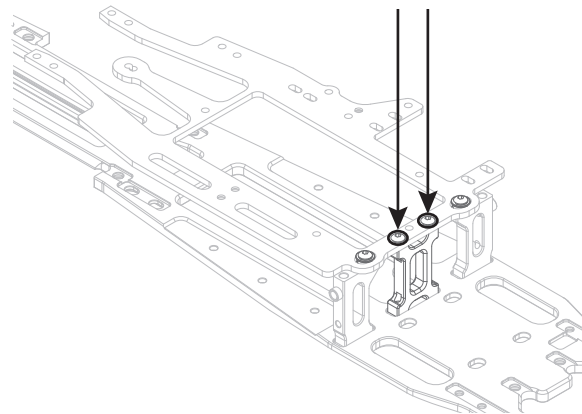
- R806005**  
5x10x4mm Ball Bearing (2)
- R805050**  
4x4mm Set
- R105204**  
3x8mm Flat Screw
- R105104**  
3x6 Round Screw
- R105109**  
3x16 Round Screw



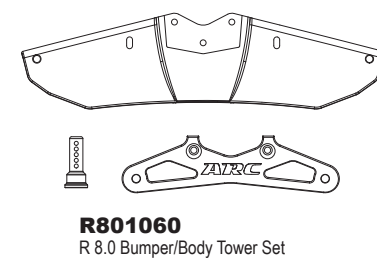
## Recommended Option Parts (Not included)



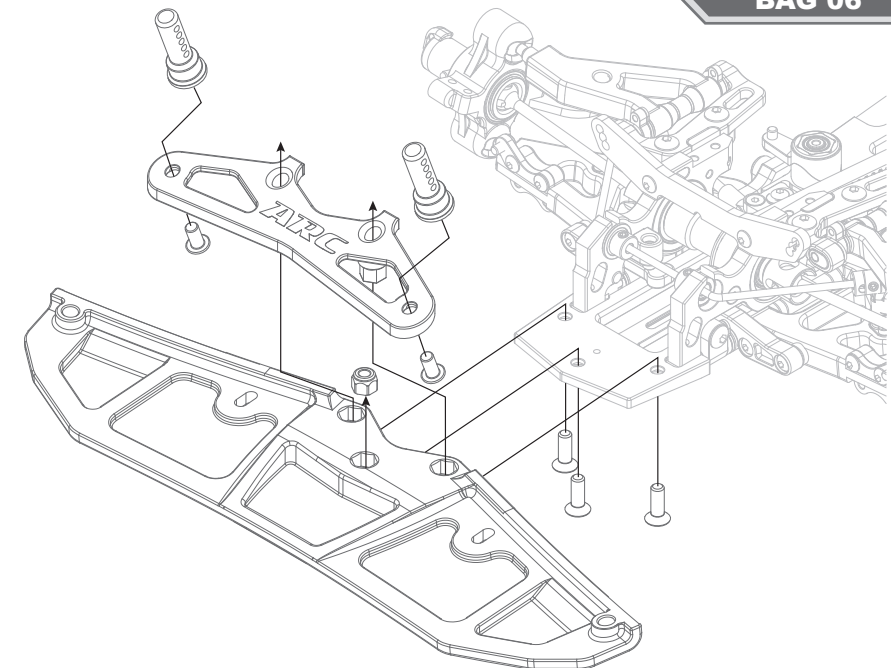
## Quick flex system



**Function:** Driver can change the rear flex by installing or removing 2 screws below to change the setup. When the 2 screws are removed, rear end will have more flex and traction.



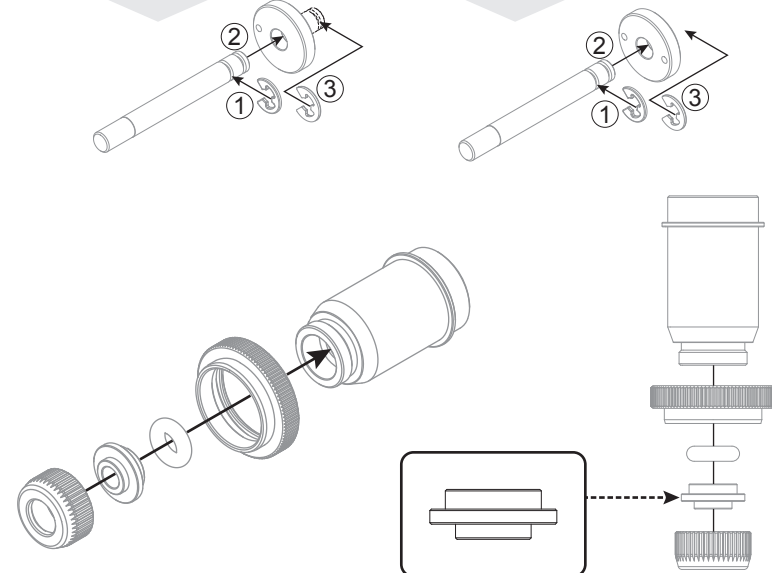
- R805302**  
4mm
- R805102**  
4x8 Round Screw
- R805203**  
4x12mm Flat Screw



- R104021**  
Shock Piston Big Bore Long 1.1mm x2
- R104022**  
Shock Piston Big Bore Long 1.1mm x1
- R103013**  
Shock Shaft (2)
- R104013**  
O'ring 13x1
- R801140**  
Shock Ball Joint Set V2
- R102009**  
Shock Low Cap Alu (2)
- R802027**  
Shock Cap-V2016 (2)
- R802026**  
Shock Body-V2016(2)
- R102010**  
Shock ADJ Nut Alu (2)
- R104002**  
O'ring 3x2
- R104012**  
Shock Shaft Shim (4)
- R105501**  
E-Clip 2mm (10)

Front

Rear



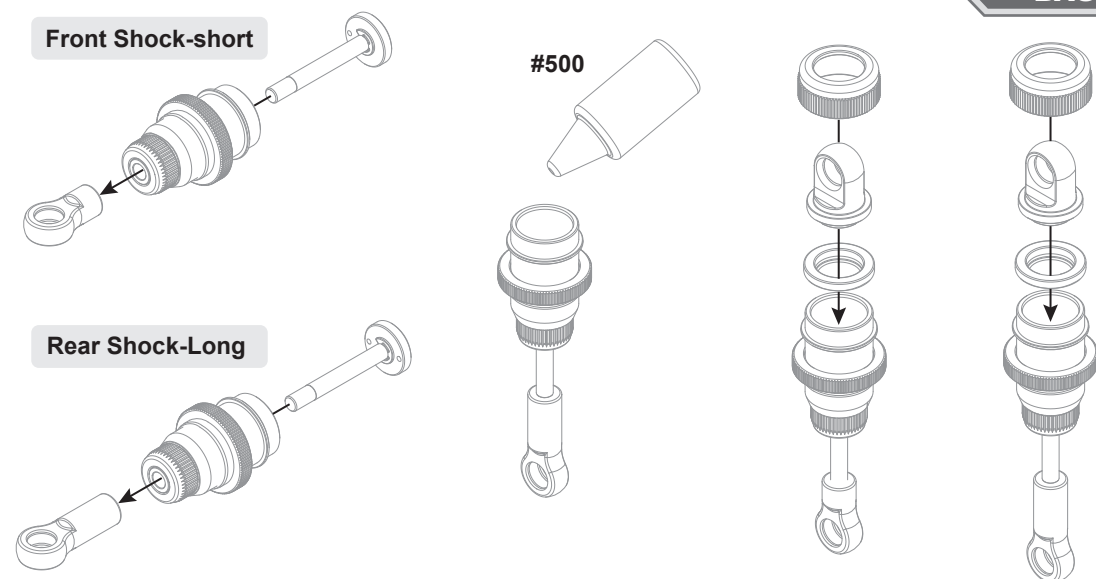
**BAG 06**

- R801140**  
Shock Ball Joint Set V2
- R104001**  
Shock Chamber (4)

Front Shock-short

#500

Rear Shock-Long





**BAG 06**



**R801140**  
Shock Ball Joint Set V2



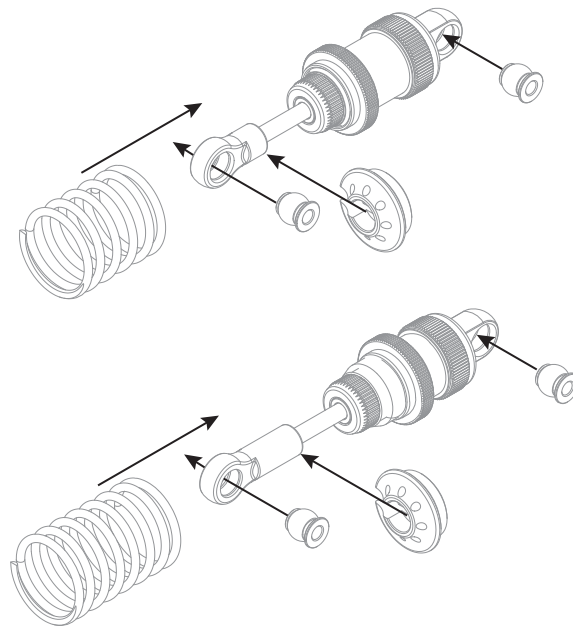
**R103027**  
5.8mm Ball End Short (4)



**R807052**  
Shock Spring Front (Red)

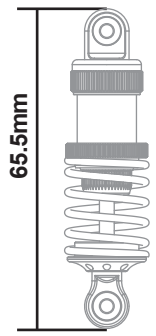


**R807062**  
Shock Spring Rear (Green)



**FRONT (Short)**  
Set to 65.5mm

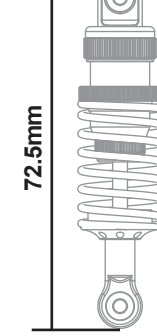
**R807052 (Red)**



**Short**

**REAR (Long)**  
Set to 72.5mm

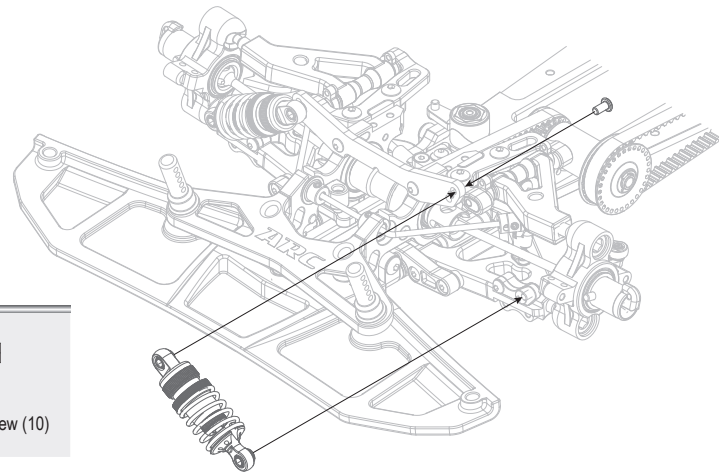
**R807062 (Green)**



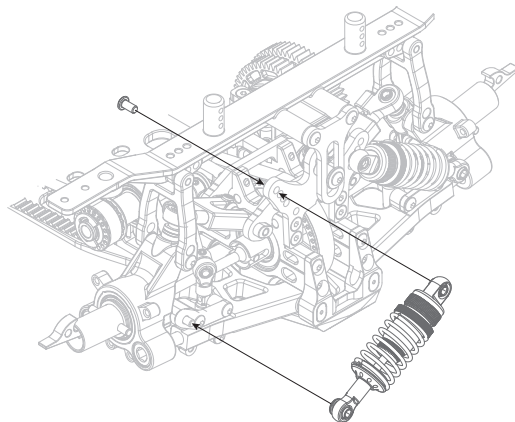
**Long**

Build shocks to the following lengths.

**BAG 06**



**R105104**  
3x6 Round Screw (10)

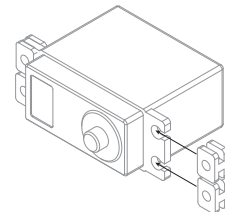


**BAG 07**



**R801200**  
Servo Mount

**Servo Not Included**



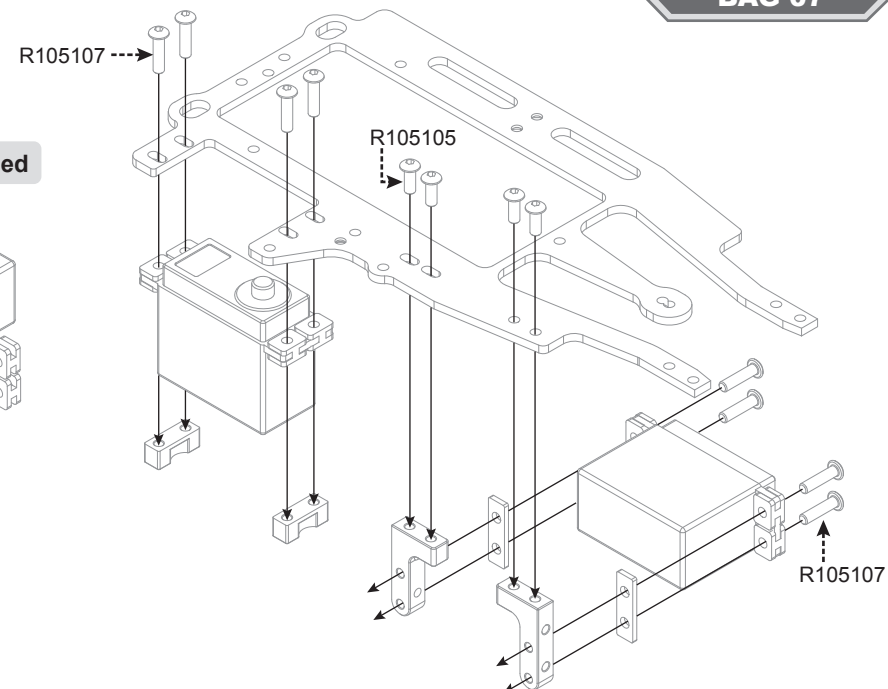
**R818001**  
R8.1 Upper Deck



**R105105**  
3x8 Round Screw (10)



**R105107**  
3x12 Round Screw (10)



**BAG 07**



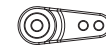
**R801091**  
Ball End 4.9mm Short (2)



**R803016**  
Ball Head 4.9mm (4)



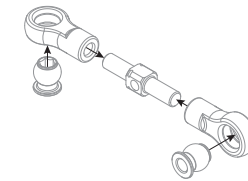
**R803034**  
3mm X 15mm Turnbuckle (2)



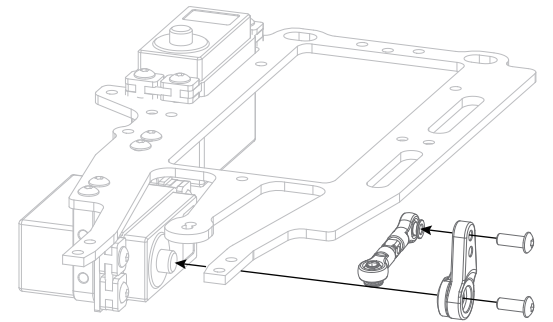
**R101060**  
Servo Horn Dual Steering Arm



**R105104**  
3x6 Round Screw (10)



**5.5mm**



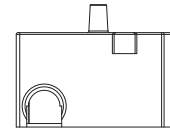
**BAG 07**



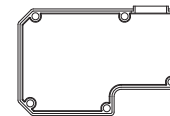
**R804021**  
Rubber Grommet



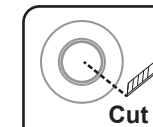
**R104150**  
Antenna



**R801080**  
Radio Box



**R801081**  
Radio Box



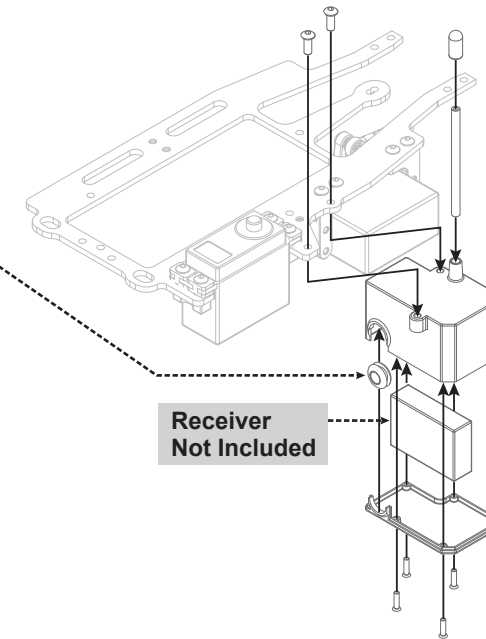
**R804021**



**R805305**  
2x8 Flat Screw (10)

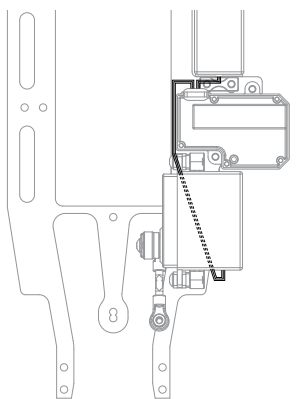


**R105104**  
3x6 Round Screw (10)



**Receiver Not Included**

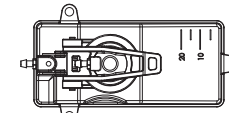
**Suggested Servo wire layout**



**BAG 07**



**R104002**  
O-ring 3x2 (4)



**R801030**  
Fuel Tank



**R802051**  
Fuel Tank Mount (3)



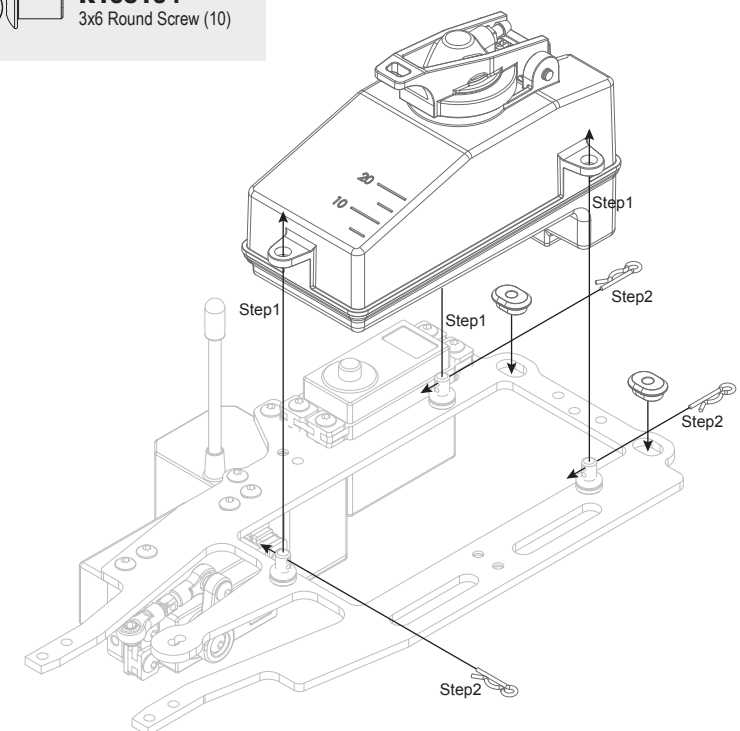
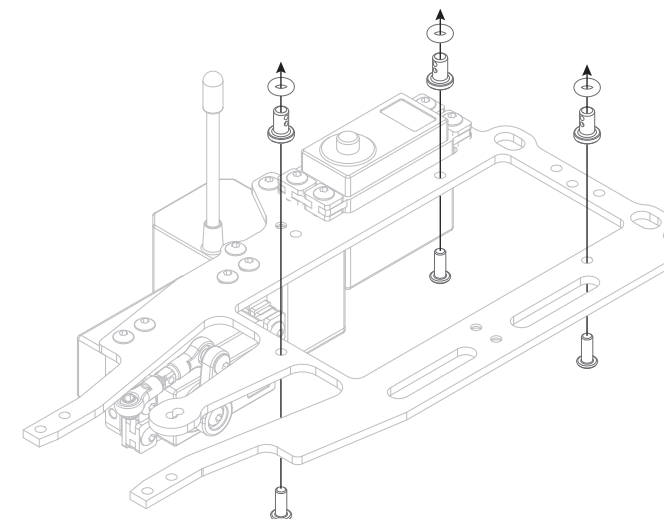
**R801109**  
Upper Deck Insert (2)



**R807008**  
3mm R Clip (10)



**R105104**  
3x6 Round Screw (10)

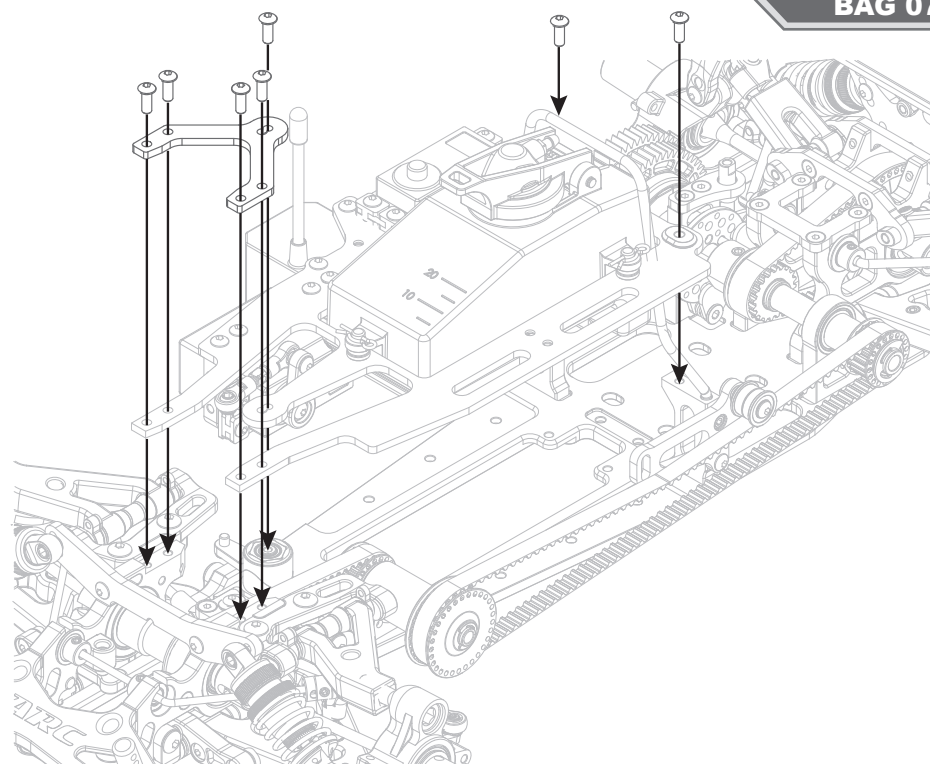




**R818002**  
R8.1 Upper Deck Brace



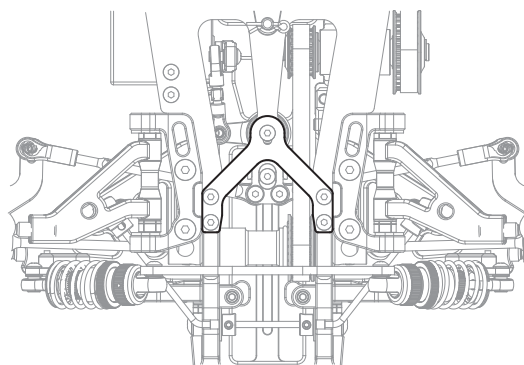
**R105105**  
3x8 Round Screw (10)



BAG 07

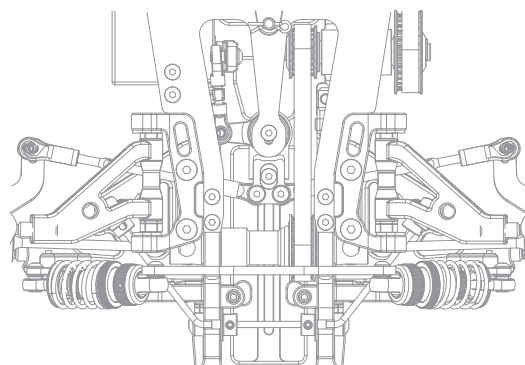
### Fixed Upper Deck

More steering response and initial turn, but less end turn.  
Use for track have short corner and high traction.



### Flex Upper Deck

Less steering response and initial turn but more end turn.  
Use for track have sweep corner or low traction track.



BAG 07

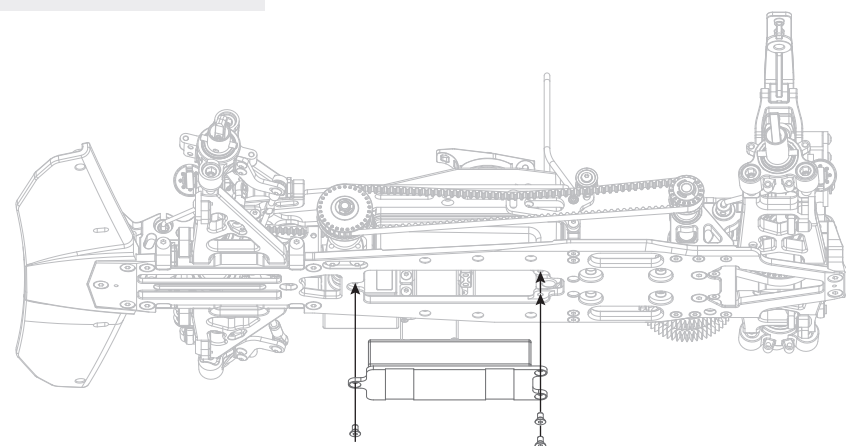
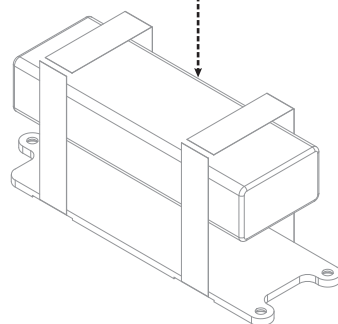


**R808015**  
Battery Mount Carbon



**R805010**  
3x5mm Flat Screw (10)

NiMH/Lipo Receiver Battery  
(Not Included)



BAG 07



**R802012**  
Engine Mount (2)



**R803004**  
Fly Wheel Nut



**R802001**  
Fly Wheel



**R802002**  
Clutch Pad Base



**R804001**  
Clutch Pad Yellow



**R804002**  
Clutch Fly Weight



**R802100**  
Spring Base



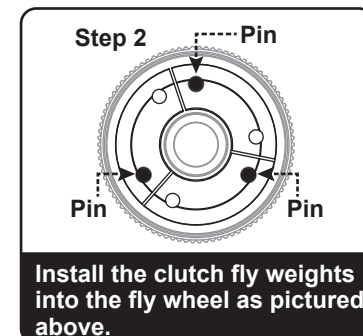
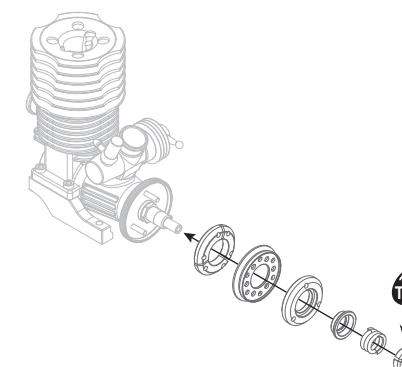
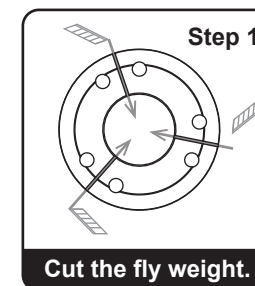
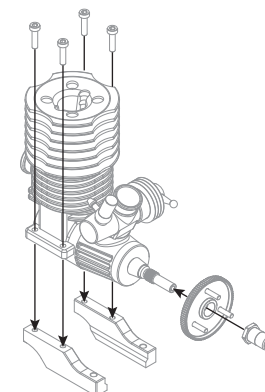
**R807001**  
Spring 2.0mm



**R803006**  
Clutch Spring Nut



**R805304**  
3x12mm (10)



BAG 07



**R802030**  
Clutch Bell -Alu



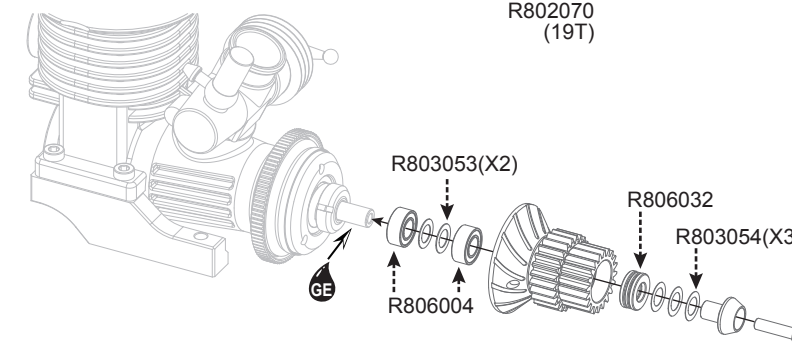
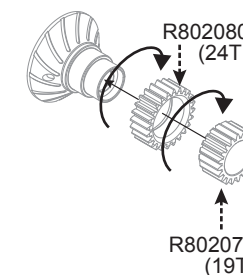
**R803002**  
Clutch Bearing Nut



**R802070**  
1st Gear Pinion 19T



**R802080**  
2nd Gear Pinion 24T



**R806032**  
5x8x4mm Thrust Bearing



**R806004**  
5x10x4mm Ball Bearing  
(Metal Seal) (2)



**R803053**  
5x8x0.1mm (10)

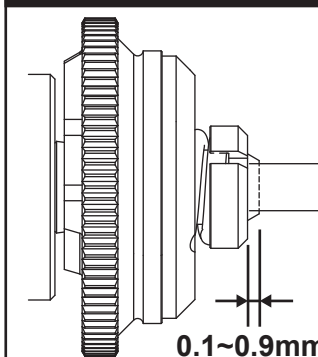


**R803054**  
5x8x0.2mm (10)



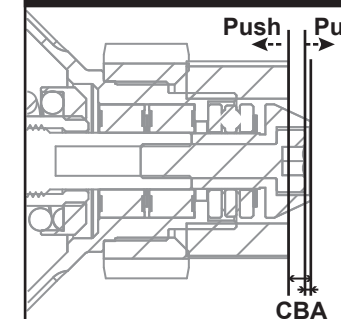
**R805304**  
3x12mm (10)

Step 1



Set to 0.1mm to break-in the clutch pad & bell. After break-in, tighten to 0.6mm-0.9mm for race setting.

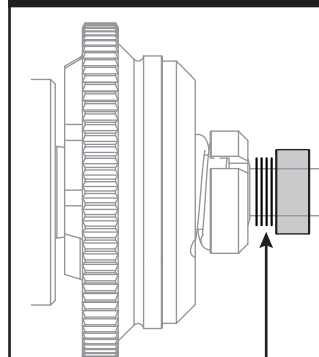
Step 2



$(A \leftrightarrow C) - (A \leftrightarrow B) = 0.6 \sim 0.7 \text{mm}$

Adjust the Clutch Gap B-C by add / remove R803054 Shims and set the clearance of gap into 0.6mm.

Step 3



After step 2 is finished, add the distance shims (0.6mm-0.7mm) back to shaft to keep clutch bell from touching the pad.



BAG 07

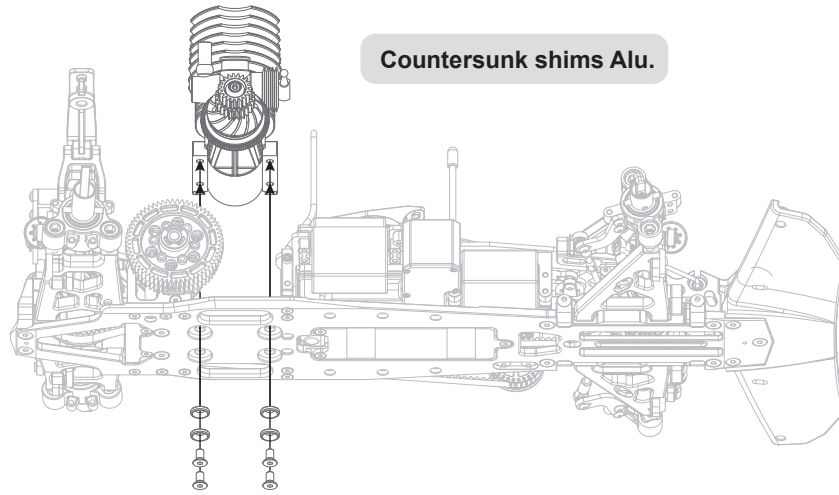


**R802035**  
4mm Sink Shims Alu



**R805201**  
4x8mm Flat Screw (10)

Countersunk shims Alu.



BAG 07



**R802057**  
Break Lever



**R804035**  
Fuel Tube



**R807006**  
Throttle Linkage (2)



**R102006**  
Collar Alu



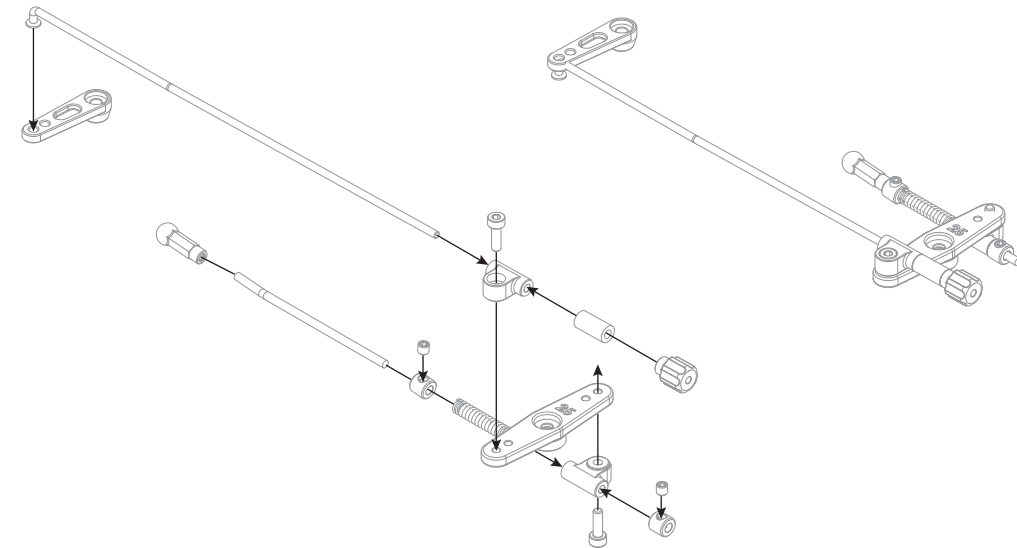
**R801100**  
Throttle Servo Horn Set



**R805300**  
2.5x8mm



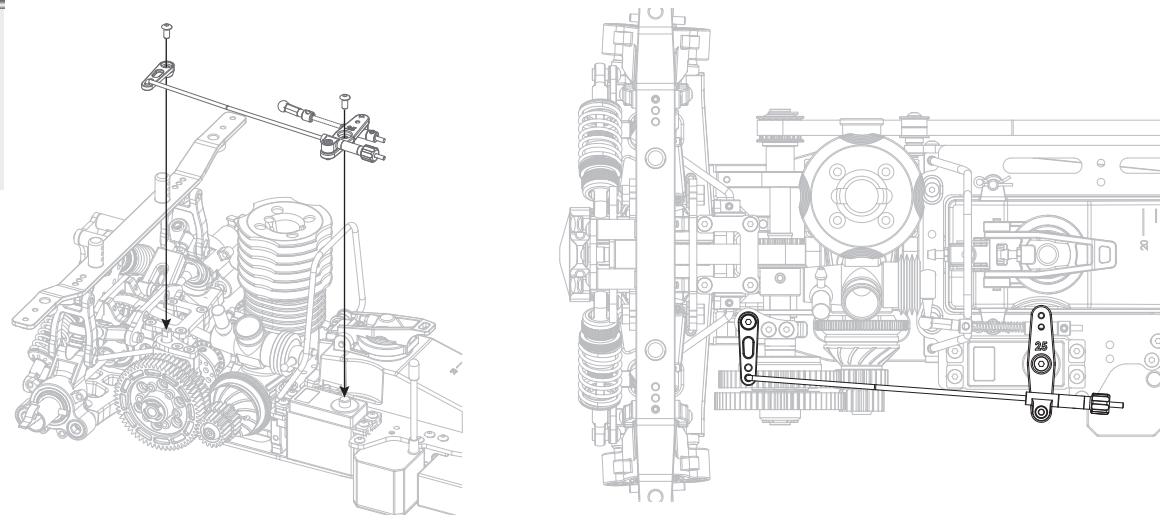
**R105401**  
3x3mm Set



BAG 07



**R105104**  
3x6 Round Screw (10)



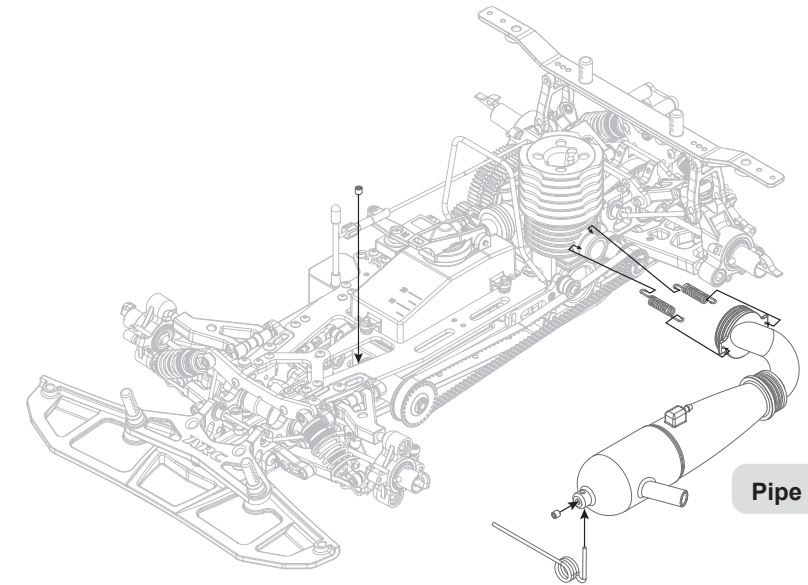
BAG 07



**R807033**  
Exhaust Pipe Spring



**R805050**  
4x4mm Set



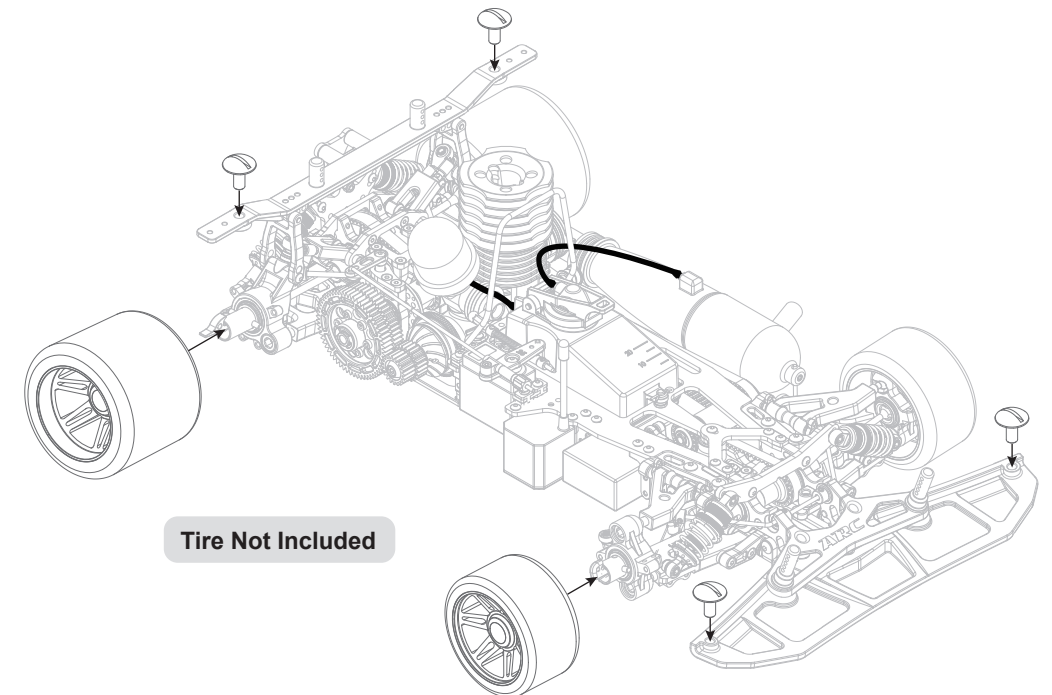
Pipe Not Included

BAG 07



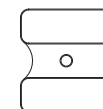
**R804004**  
Body Mount Screw(4)

**R804035**  
Fuel Tube 90cm

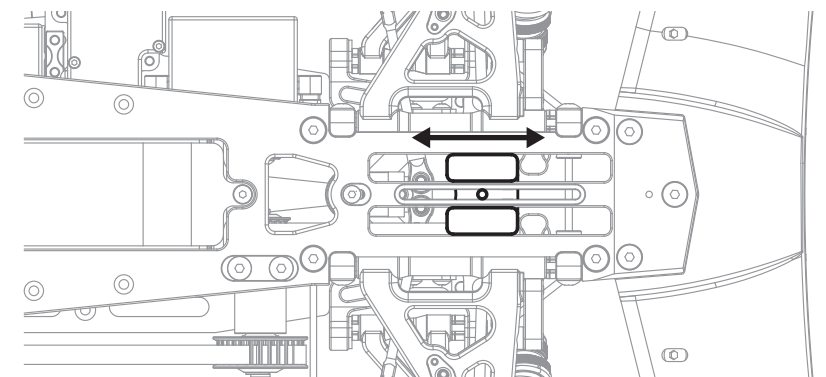


Tire Not Included

Recommended Option Parts (Not included)



**R813001**  
R8.1 Slide Weight-Brass 15g (2)



Use slide weight to adjust weight in front axle, usually more forward weight give less steering but increase stability.