

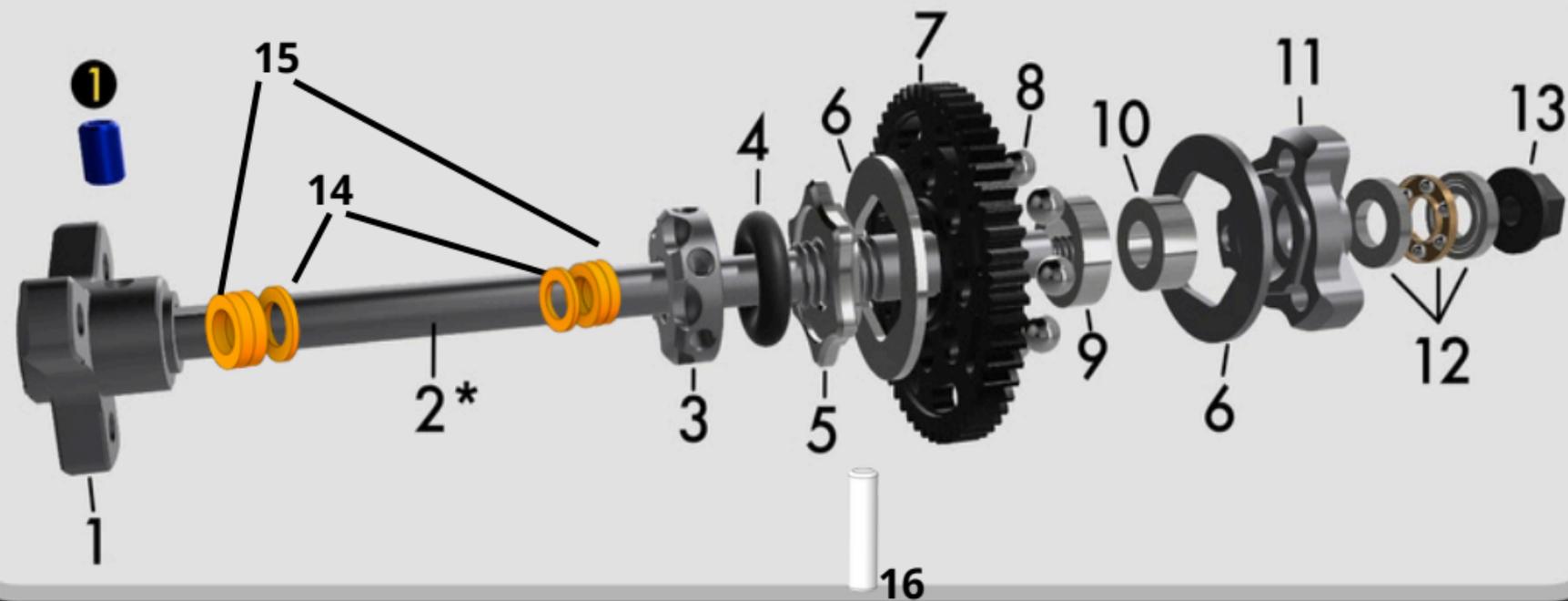
# XBILITY

RC



**XB -F1**

# 01 - DIFFERENTIAL



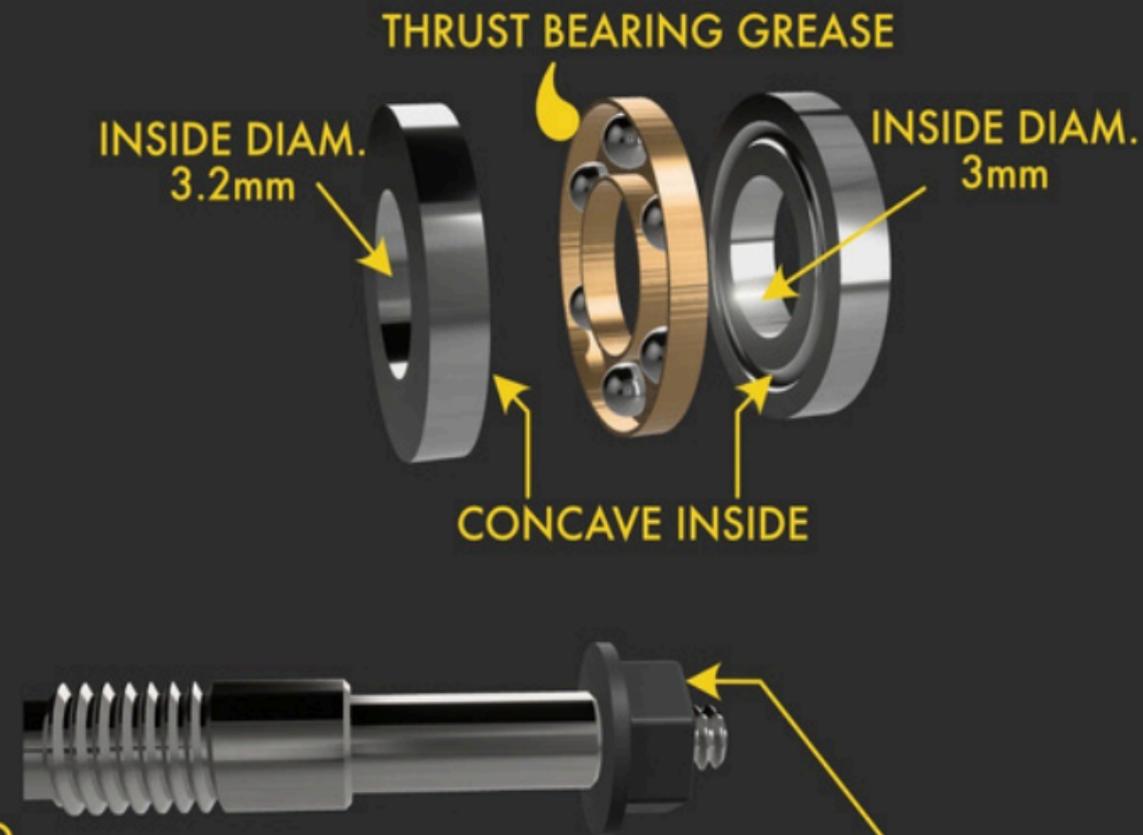
OPTIONAL\* Titanium Axle

F1-048

# 01 - ASSEMBLY TIPS

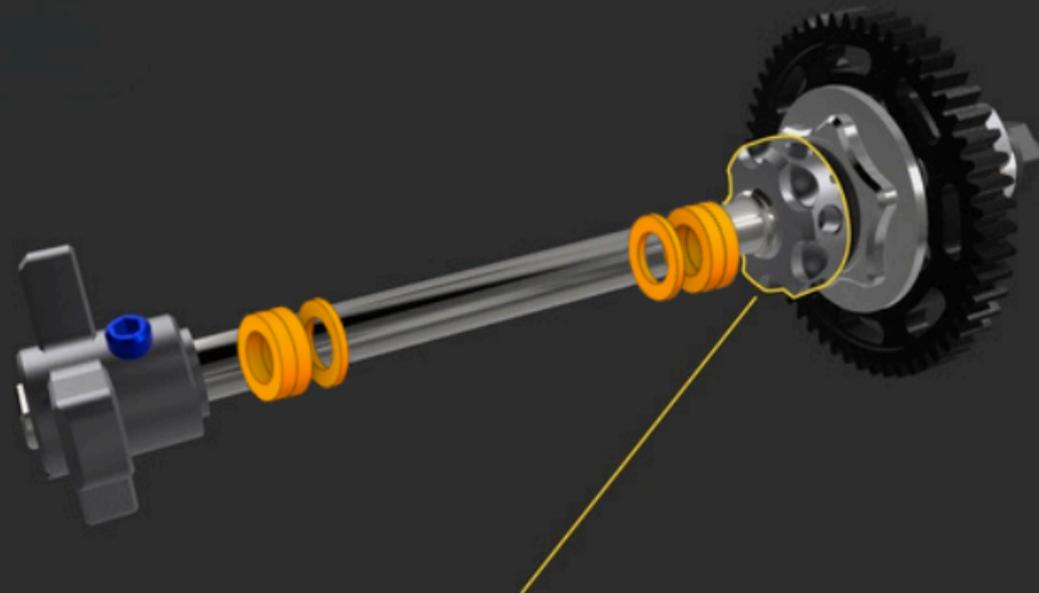


THE BALLS SHOULD "POP" TO BE INSERTED OR REMOVED



MAKE SURE IT'S FULL TIGHTEN

## 01-SETUP TIPS



TIGHTEN - MORE STEERING

LOOSEN - LESS STEERING



## BAG1-CONTENT

### PARTS

1	XB1-048-1	Diff Wheel Hub 1
2	F1-046	Diff Aluminium Shaft
3	XB1-048-3	Diff Adjustor Hub
4	XB1-048-4	Oring 3x7x2
5	XB1-048-5	Diff Hub Pressure Plate
6	XB1-048-6	Diff Pressure Plate
7	XB1-048-7	Diff 64P 53T Spur Gear
8	XB1-048-8	Ceramic Balls
9	XB1-048-9	Bearing 4x7x2
10	X-RDB-3-6-2.5	Bearing 3x6x2.5
11	XB1-048-11	Diff Wheel Hub 2

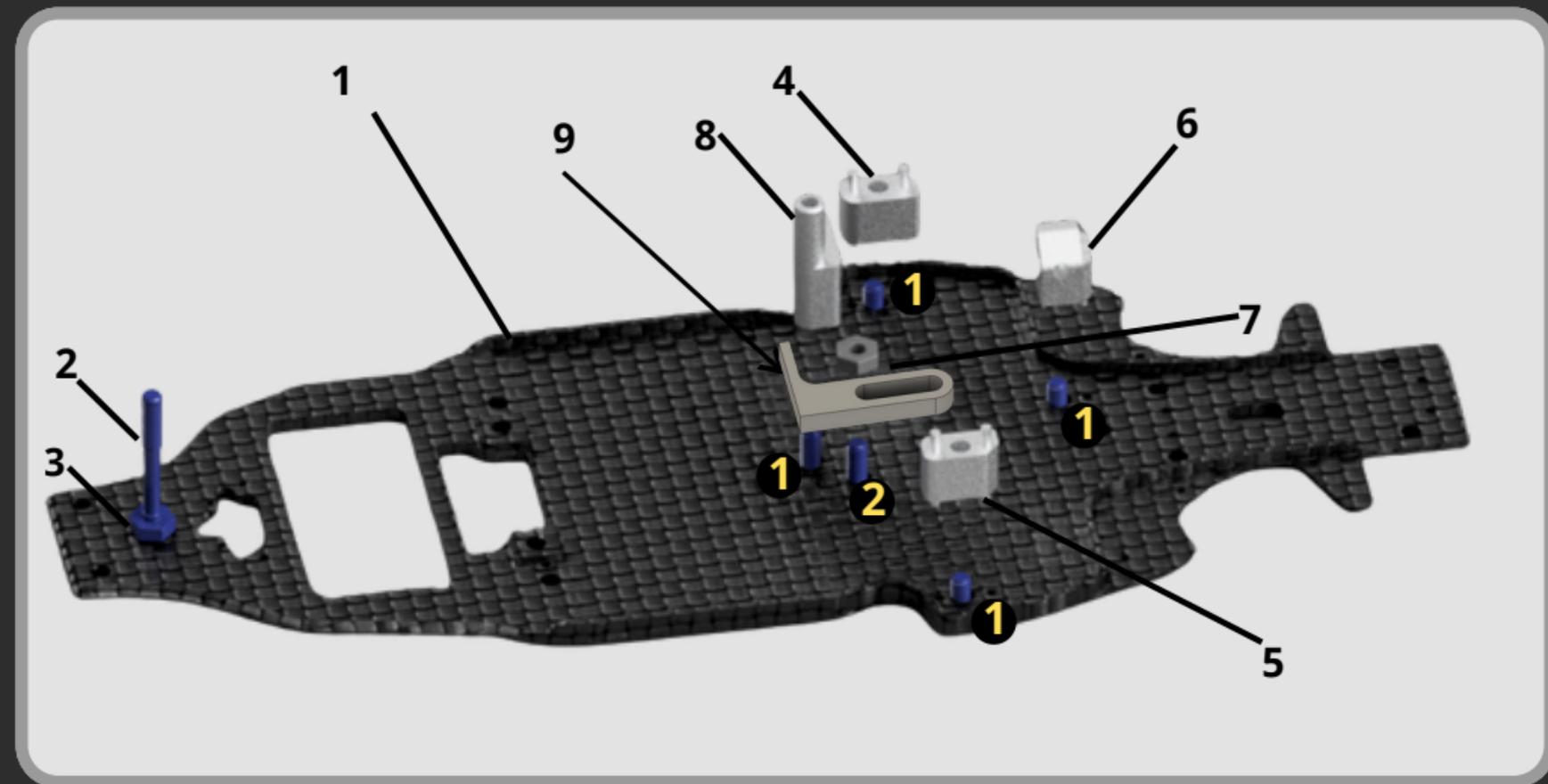
### PARTS

12	XB1-048-12	Thrust Bearing
13	XB1-048-13	Lock Nut M2
14	X-WSH-3-5-0.5	Washer 3x5x0.5
15	F1-041	Washer 3x5x1
16	XB1-048-17	1.5mm Axle

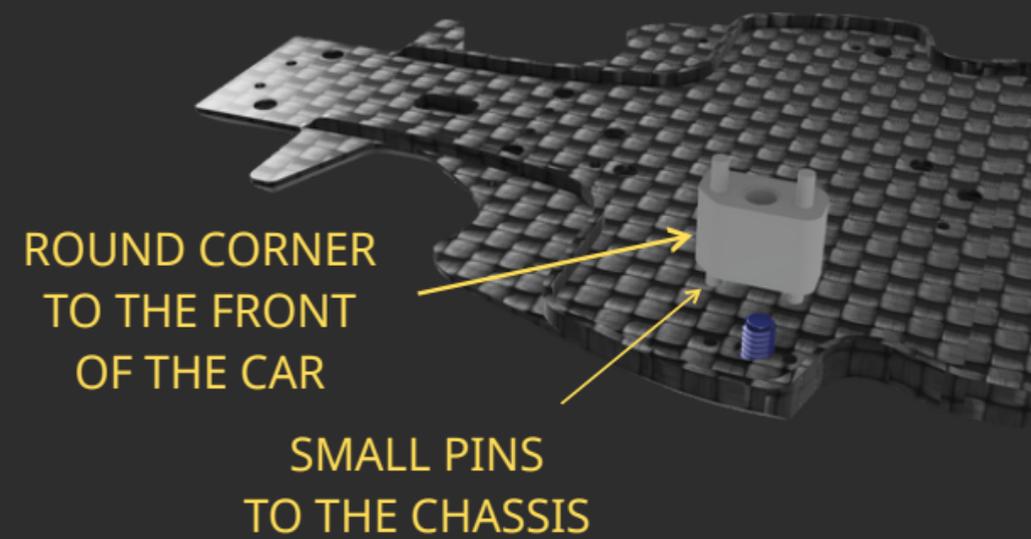
### BOLTS

1	X-SSS-2.5-2	M2.5x2mm
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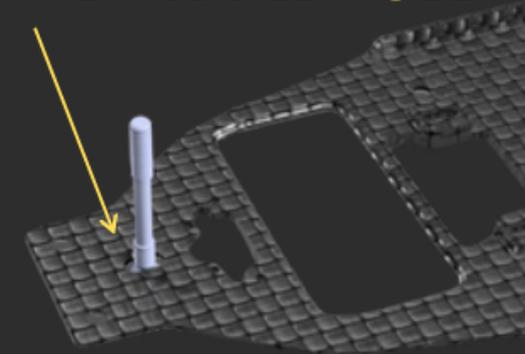
## 02-REAR PLATE



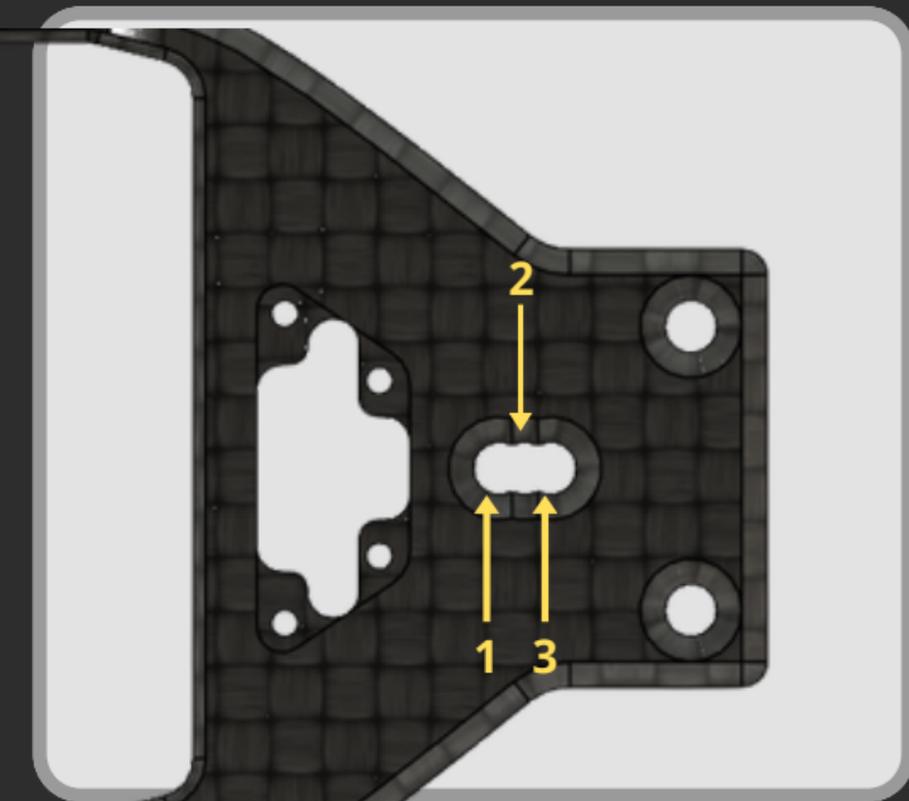
## 02-ASSEMBLY TIPS



USE THE MIDDLE HOLE



## BAG2-SETUP TIPS



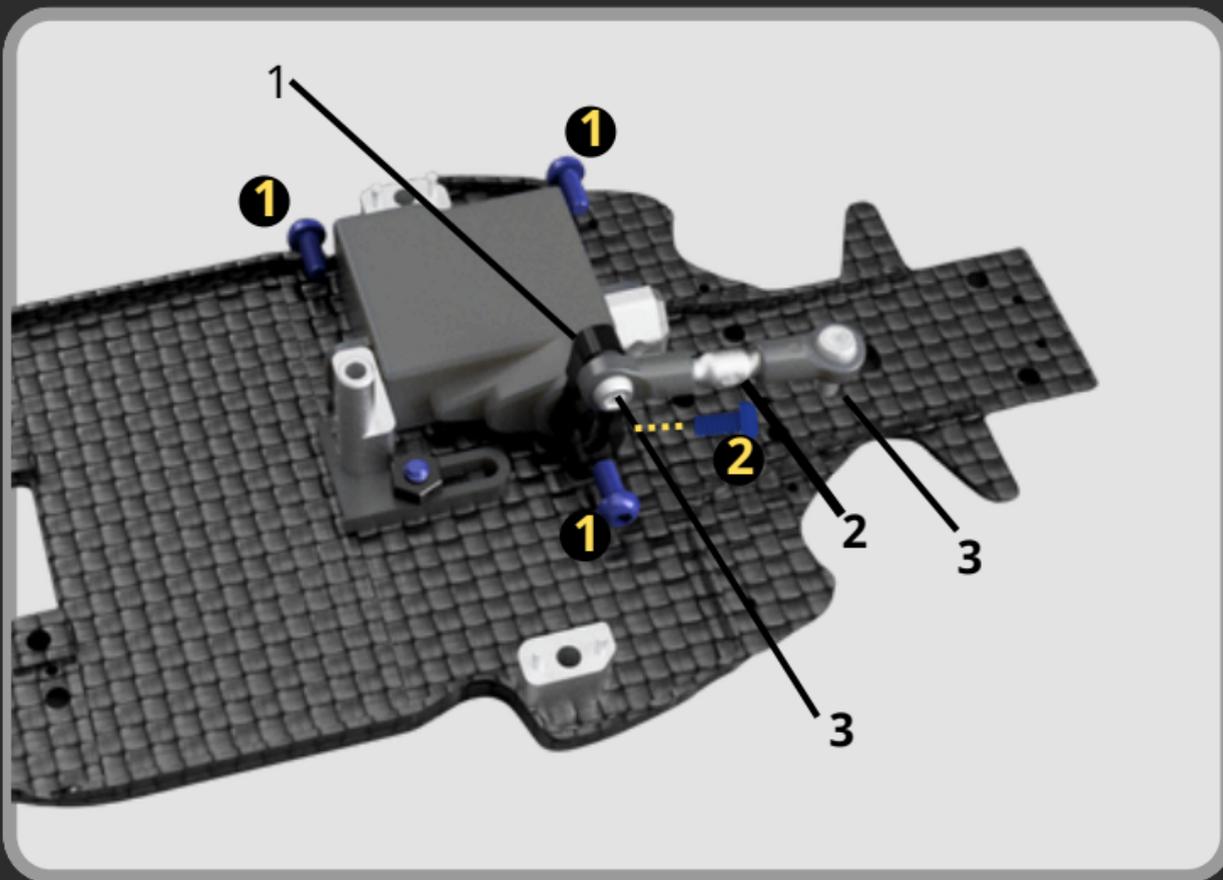
<b>1</b>	HARD REAR
<b>2</b>	STANDARD POSITION
<b>3</b>	SOFT REAR

## BAG2-CONTENT

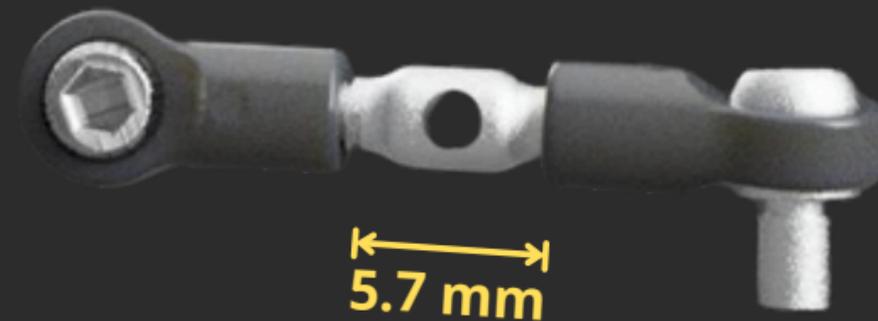
<b>PARTS</b>	<b>1</b>	F1-005	Base Plate
	<b>2</b>	XB1-050	Rear Spring Bolt
	<b>3</b>	XB1-051	Rear Spring Nut
	<b>4</b>	XB1-057	Left Side Link Tower
	<b>5</b>	XB1-058	Right Side Link Tower
	<b>6</b>	XB1-021	Right Servo Mount
	<b>7</b>	XB1-024	4mm Lock Nut
	<b>8</b>	F1-001	Center Damper Tower
	<b>9</b>	XB1-022	Battery Adjust Plate

<b>BOLTS</b>	<b>1</b>	X-FHS-2-4	M2x4mm
	<b>2</b>	X-FHS-2-6	M2x6mm

## 03-SERVO



## 3 - SETUP TIPS



## BAG3 - CONTENT

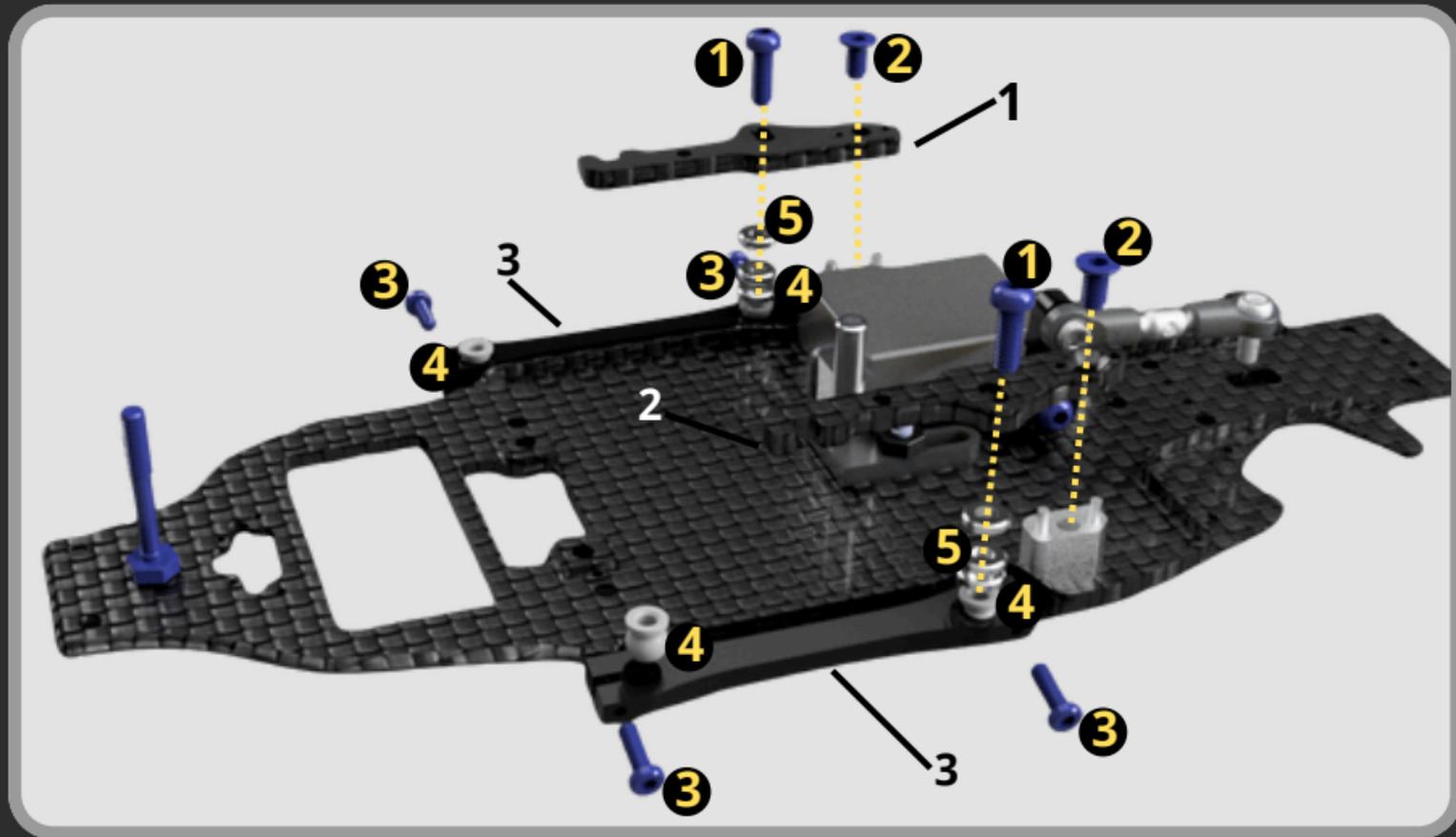
### PARTS

1	F1-006	Servo Horn
2	XB1-019	Servo Link
3	X-PVB-3	Pivot Ball 3mm

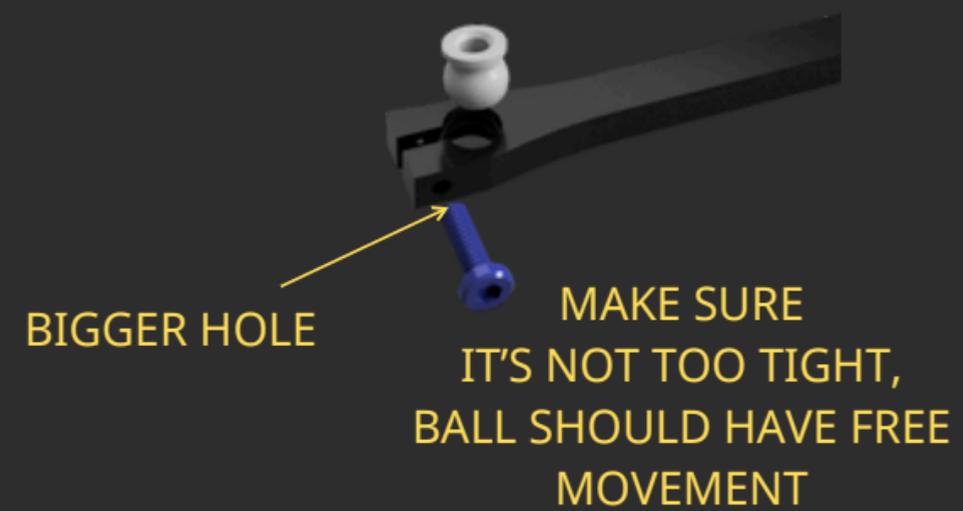
### BOLTS

1	X-RHS-2-4	M2x4mm
2	X-RHS-2-5	M2x5mm

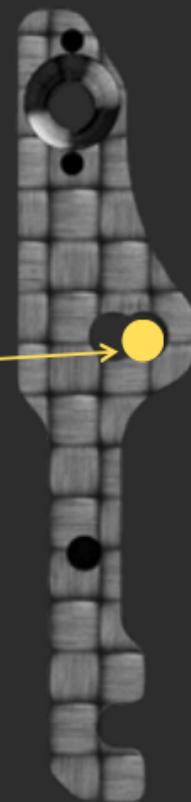
## 04-SIDE LINKS



## BAG4 - ASSEMBLY TIPS



USE OUTSIDE HOLE



## 04 - SETUP TIPS



1	STANDARD POSITION
2	MORE IN-CORNER STEERING



3	STANDARD POSITION - EASIER TO DRIVE
4	LESS SHIMS = MORE IN-CORNER STEERING

## BAG4 - CONTENT

### PARTS

1	F1-026	Left Side Link Plate
2	F1-016	Right Side Link Plate
3	XB1-030	Side Links

### BOLTS

1	X-RHS-2-7	M2x7mm
2	X-FHS-2-4	M2x4mm
3	X-SHS-14-5	M1.4x5mm
4	X-PVB-F	Female Pivot Ball
5	X-WSH-2-4-1	2x4x1mm Shim

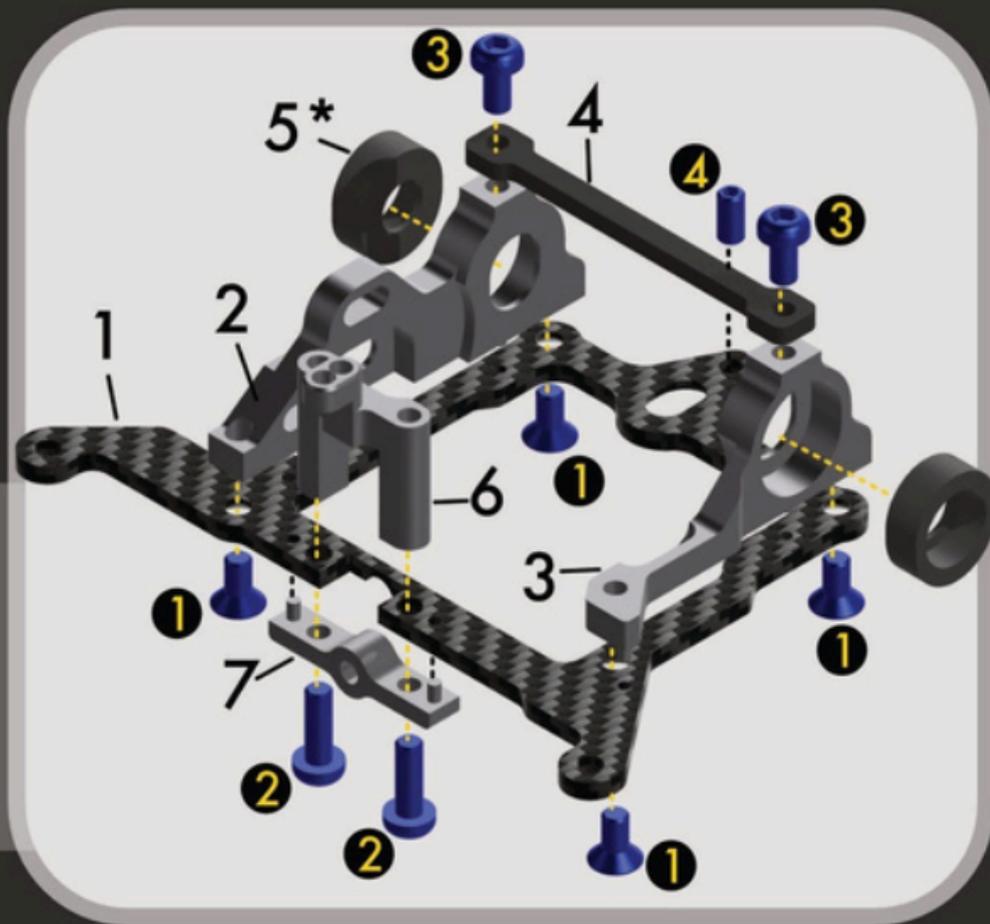
## 05 - REAR PLATE

OPTIONAL\*

Ride Height  
Bush 1

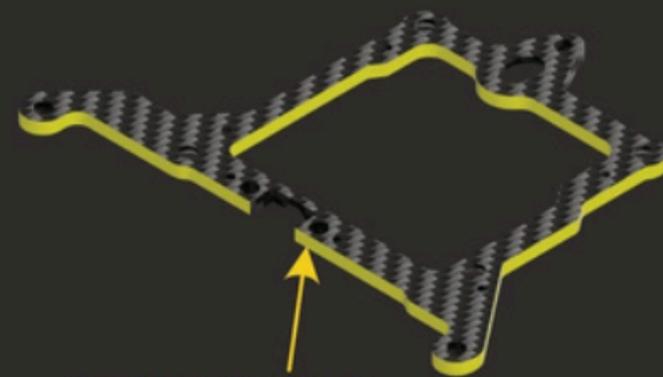


XB1-082



## 05 - ASSEMBLY TIPS

1<sup>st</sup> STEP

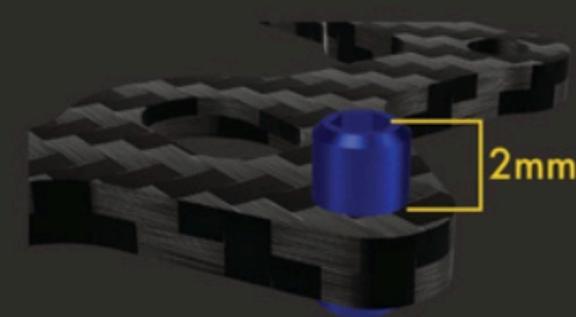


APPLY CA GLUE  
WITH COTTON SWAB  
ON THE EXTERIOR WALLS  
OF THE CARBON PLATE

2<sup>nd</sup> STEP



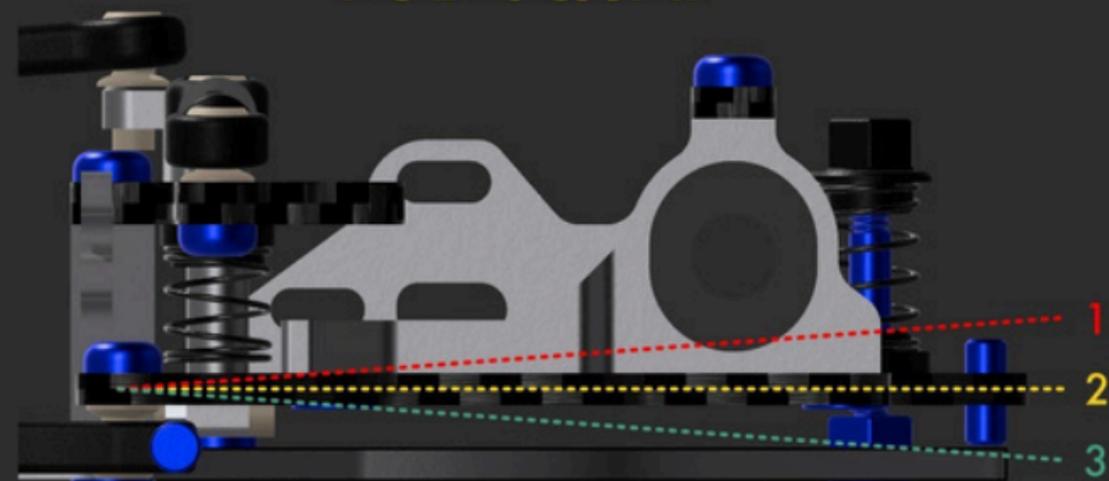
3<sup>rd</sup> STEP



2mm

## 05 - SETUP TIPS

### POD SQUAT



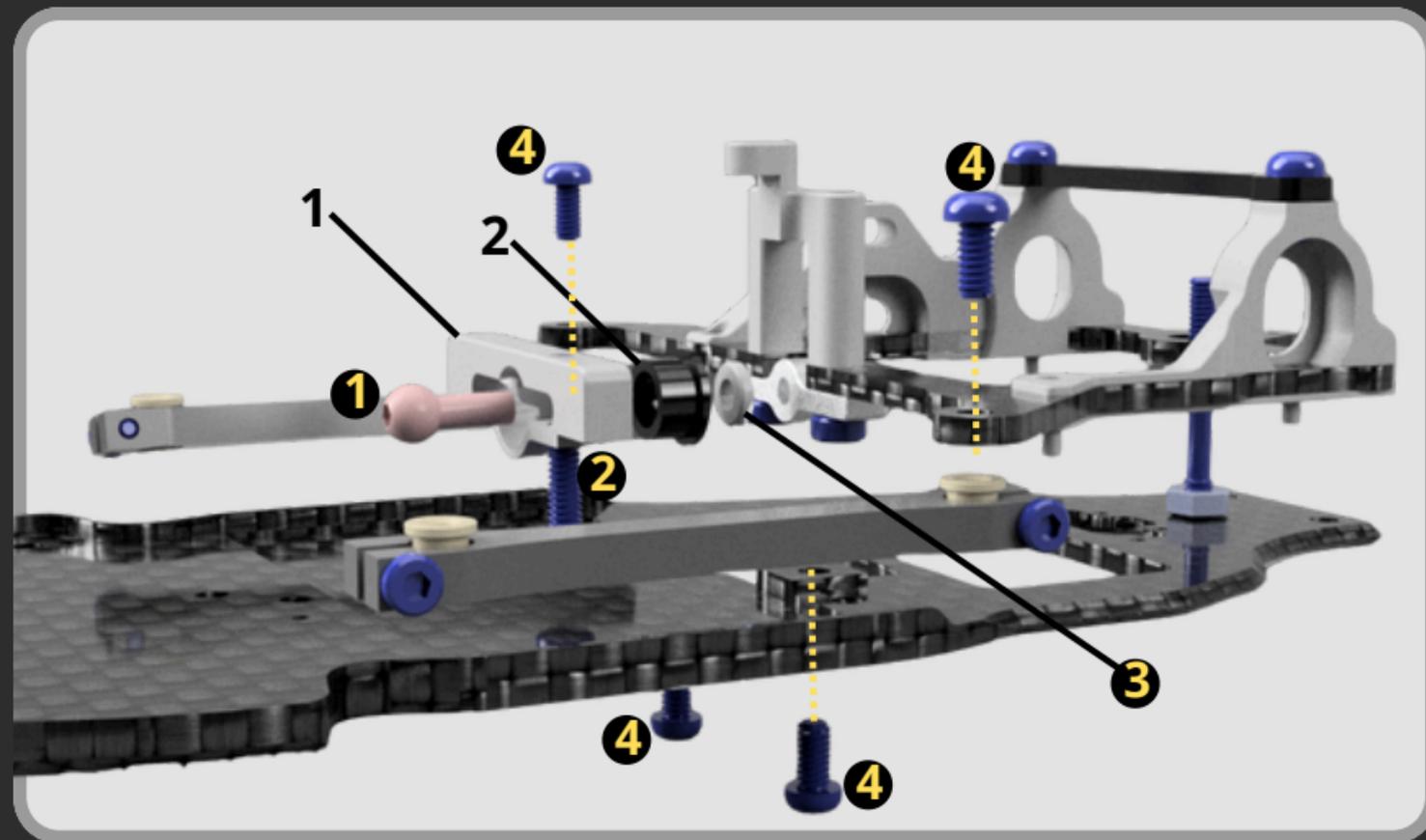
1	LESS ON-POWER STEERING - INCREASE REAR TRACTION
2	STANDARD POSITION
3	MORE ON-POWER STEERING - DECREASE REAR TRACTION

## BAG 5 - CONTENT

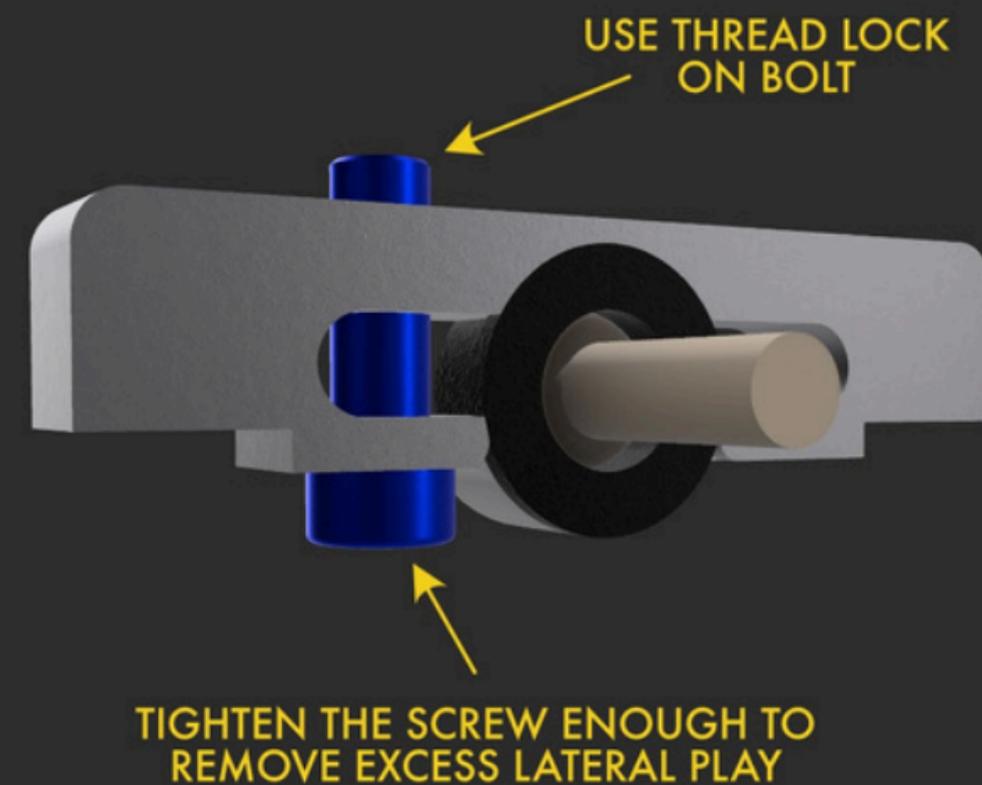
PARTS		
1	XB1-002	Carbon Rear Plate
2	XB1-043	Right Motor Mount
3	XB1-042	Left Motor Mount
4	XB1-049	Motor Mount Bar
5	XB1-046	Ride Height Bush 2
6	XB1-039	Rear Damper Tower
7	XB1-038	Center Pivot Ball

BOLTS		
1	X-FHS-2-4	M2x4mm
2	X-RHS-2-6	M2x6mm
3	X-RHS-2-3	M2x3mm
4	X-SSS-2-5	M2x5mm

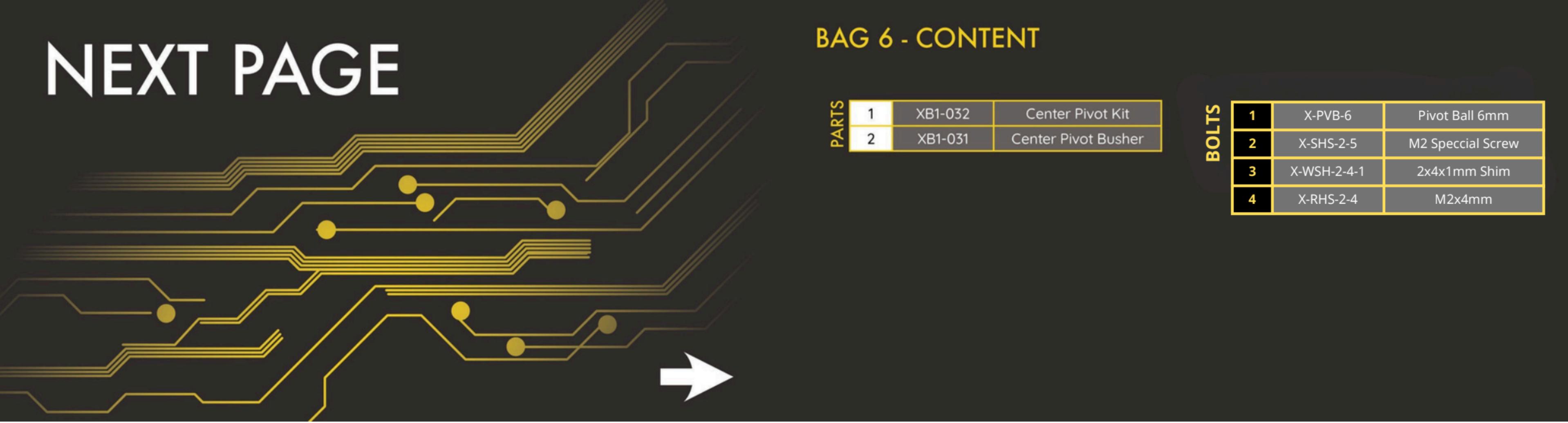
## BAG 6 - PIVOT MOUNT



## 06 - ASSEMBLY TIPS



# NEXT PAGE



## BAG 6 - CONTENT

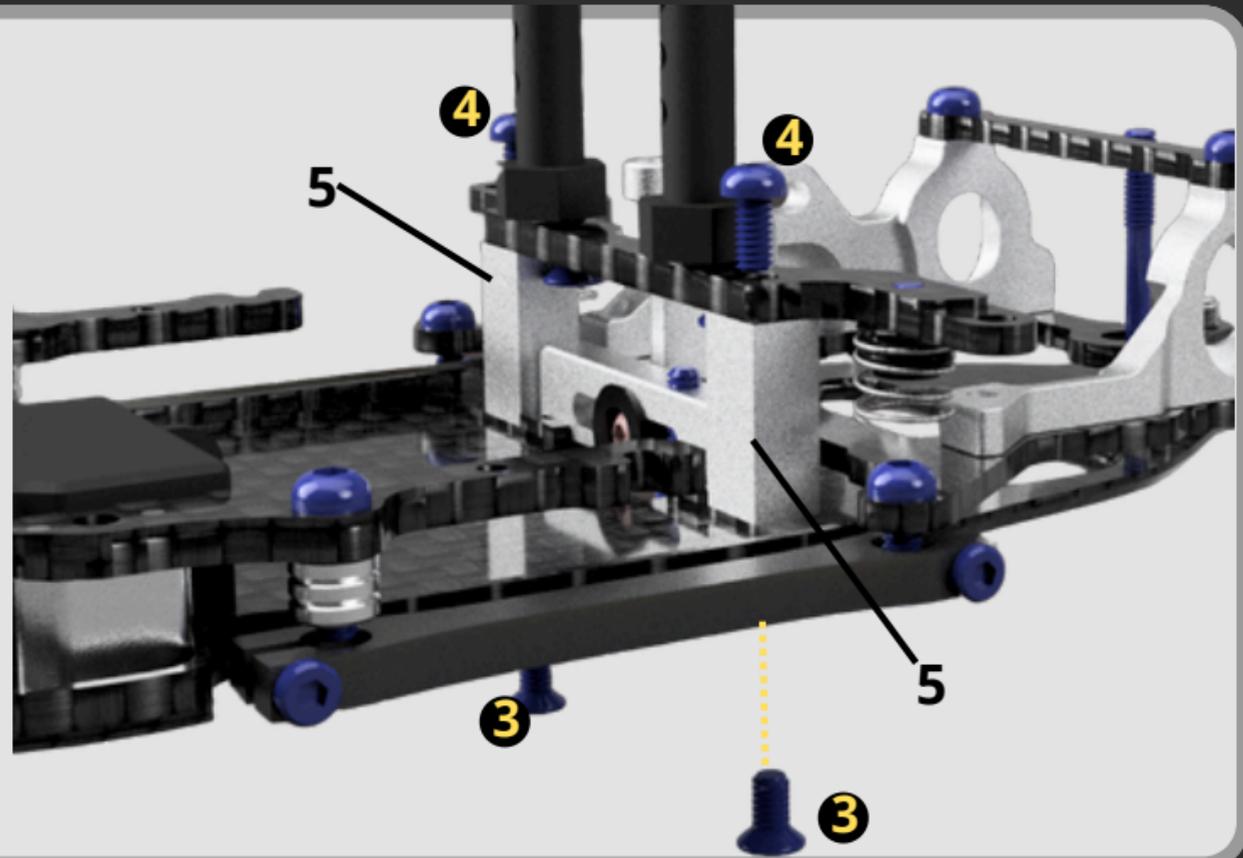
PARTS

1	XB1-032	Center Pivot Kit
2	XB1-031	Center Pivot Busher

BOLTS

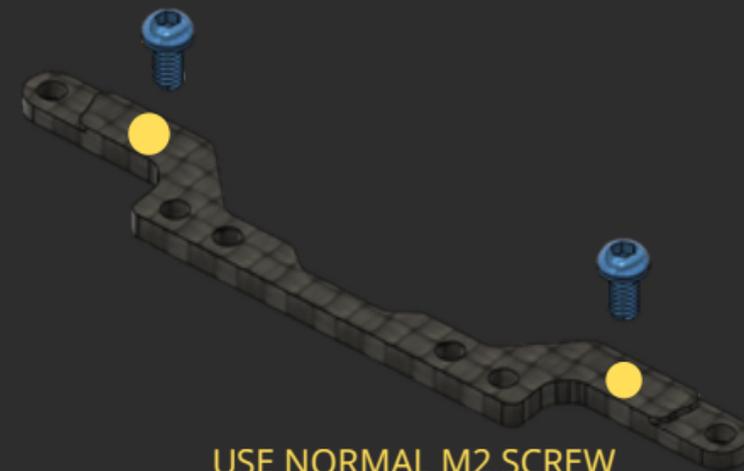
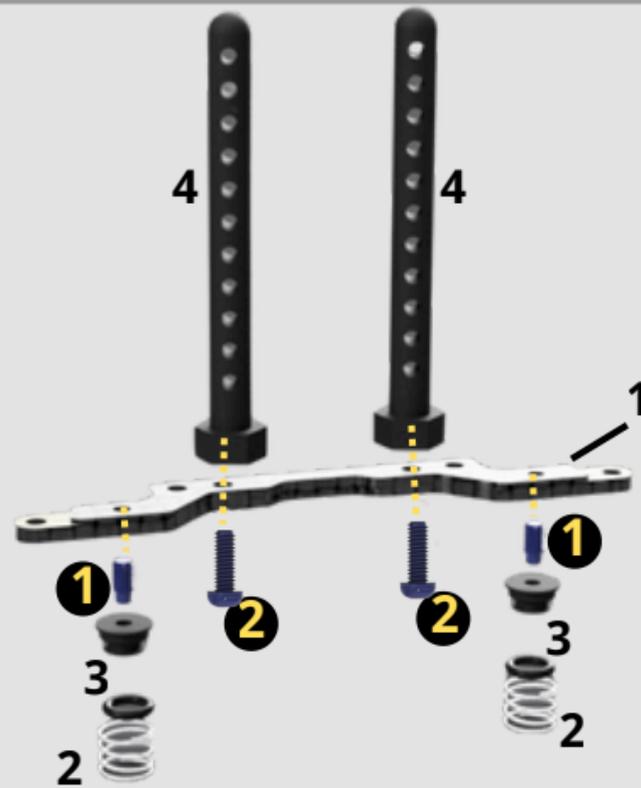
1	X-PVB-6	Pivot Ball 6mm
2	X-SHS-2-5	M2 Special Screw
3	X-WSH-2-4-1	2x4x1mm Shim
4	X-RHS-2-4	M2x4mm

## 07-REAR SUSPENSION (1)

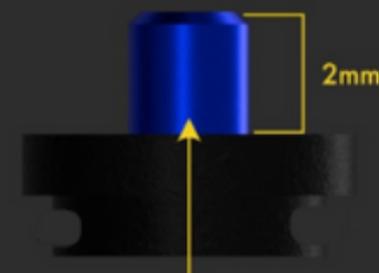


## 07 - ASSEMBLY TIPS

1 st STEP



USE NORMAL M2 SCREW TO OPEN THREAD HOLE FOR THE SET SCREW



USE CA GLUE TO FIX SETSCREW TO SPRING COLAR

## BAG7 - CONTENT

SPRING CHART

1*	EXTRA SOFT	
2*	SOFT	
3	MEDIUM (STANDARD)	
4*	HARD	
5*	EXTRA HARD	

OPTIONAL SIDE SPRINGS\*

SPRING

SOFTER	LESS REACTIVE REDUCE ON-POWER STEERING
STIFFER	MORE REACTIVE IMPROVE ON-POWER STEERING

## BAG7 - CONTENT

PARTS

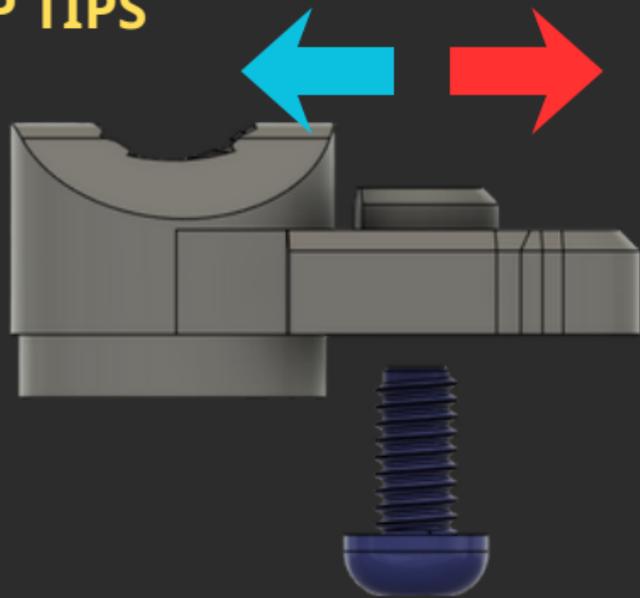
1	F1-023	Damper Plate
2	XB1-041-S	Medium Side Spring
3	XB1-091	Side Spring Tentioner & Rubber Oring
4	F1-049	Body Post
5	F1-022	Mount Rear Suspension

BOLTS

1	X-SSS-2-4	M2x4mm
2	X-RHS-2-5	M2x5mm
3	X-FHS-2-4	M2x4mm
4	X-RHS-2-4	M2x4mm



## 08- SETUP TIPS



**FRONT POSITION**

Less Ackerman - More Directivity

**REAR POSITION**

More Ackerman - More Linear

## BAG 08- CONTENT

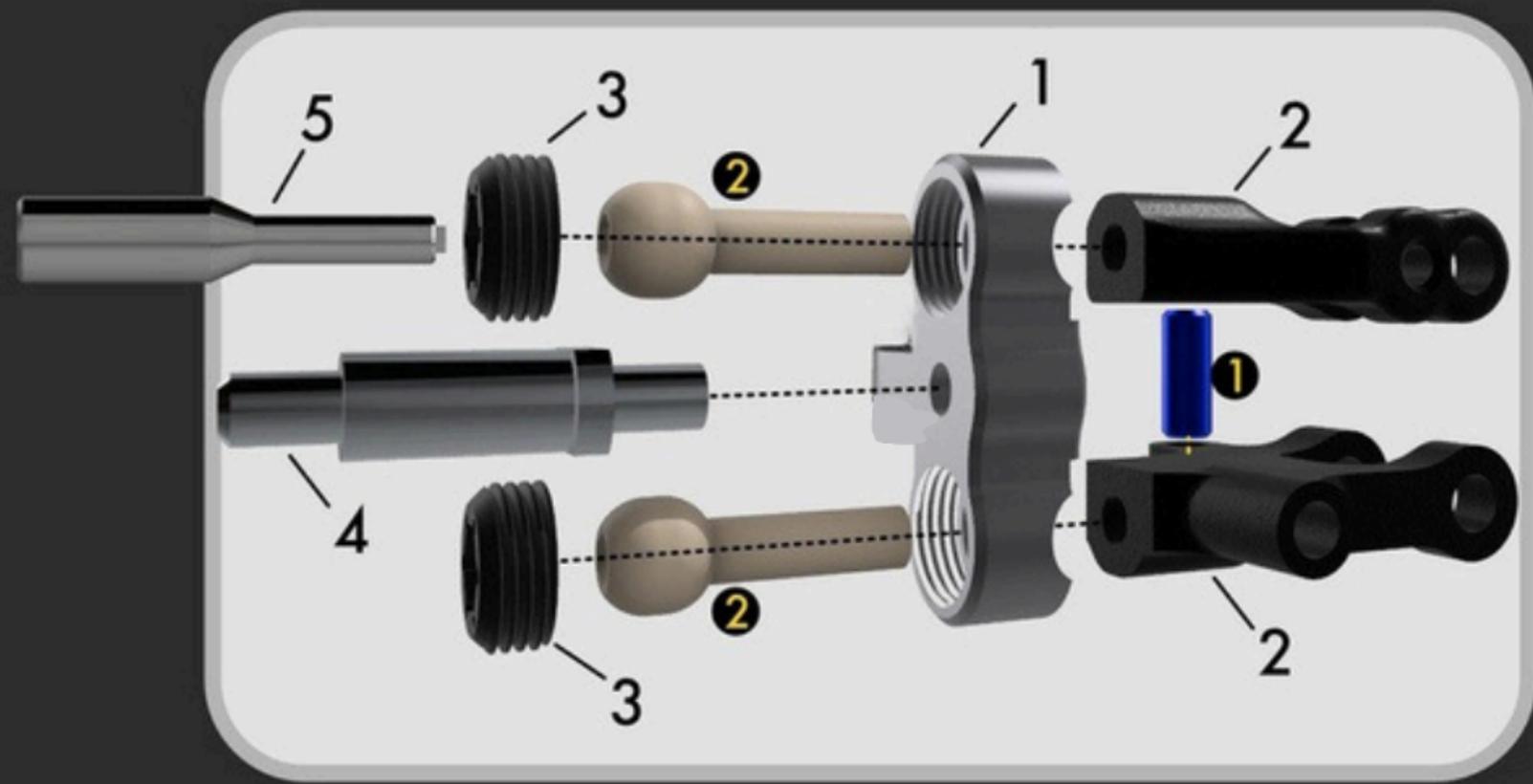
**PARTS**

1	F1-007	2x4 Conical
2	F1-017	2x4 Round
3	X-RDB-3x6x2.5	Bearing 3x6x2.5
4	F1-009	Horn Plate
5	F1-008	Horn Base
6	F1-011	Saver
7	F1-012	Spring Saver
8	F1-028	Shim Saver
9	F1-013	Nut Saver
10	F1-035	Carbon Plate
11	F1-034	Stand Saver
12	X-WSH-2-4-0.3	Washer 2X4X0.3

**BOLTS**

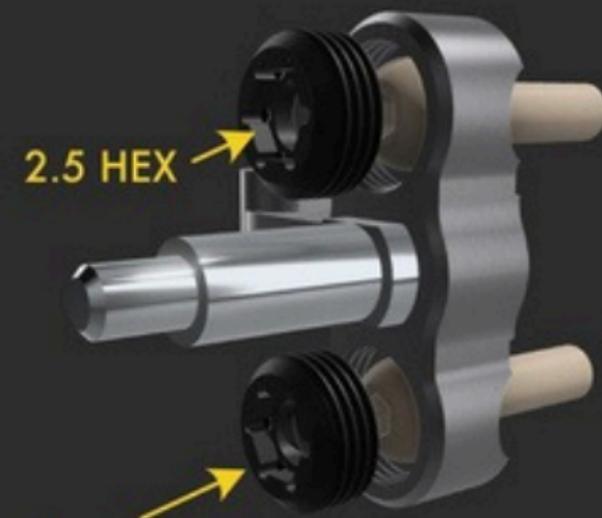
1	X-FHS-2-4	M2x4mm
2	X-RHS-2-4	M2x4mm

## 09- KNUCKLES



## 09-ASSEMBLY TIPS

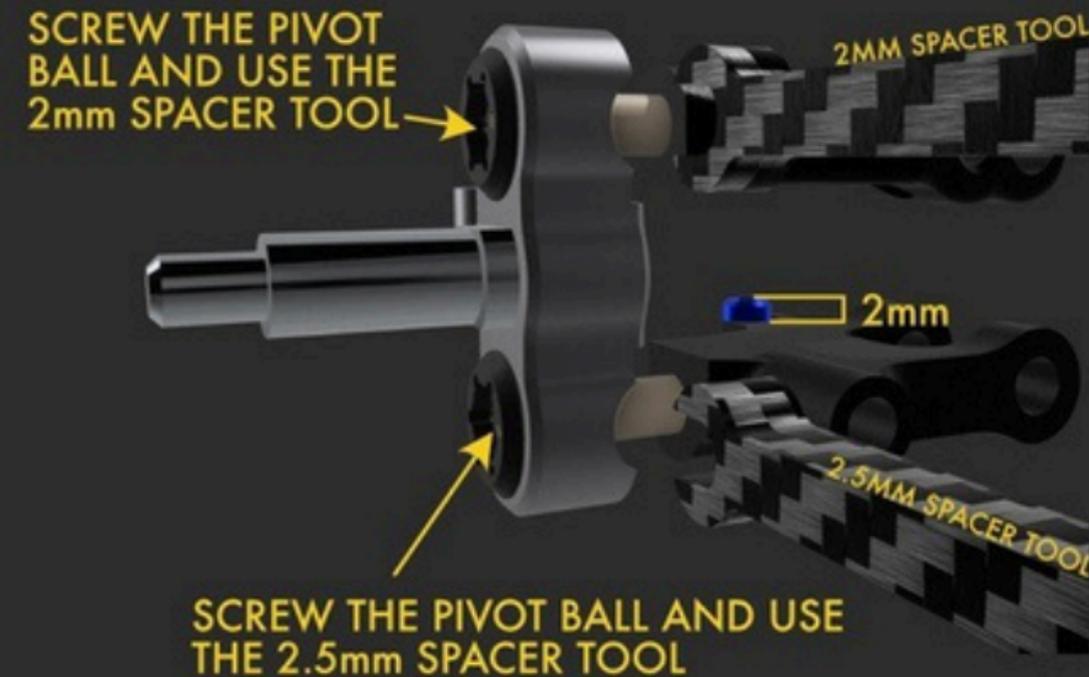
### 1<sup>st</sup> STEP



2.5 HEX

MAKE SURE IT'S NOT TOO TIGHT, BALL SHOULD HAVE FREE MOVEMENT

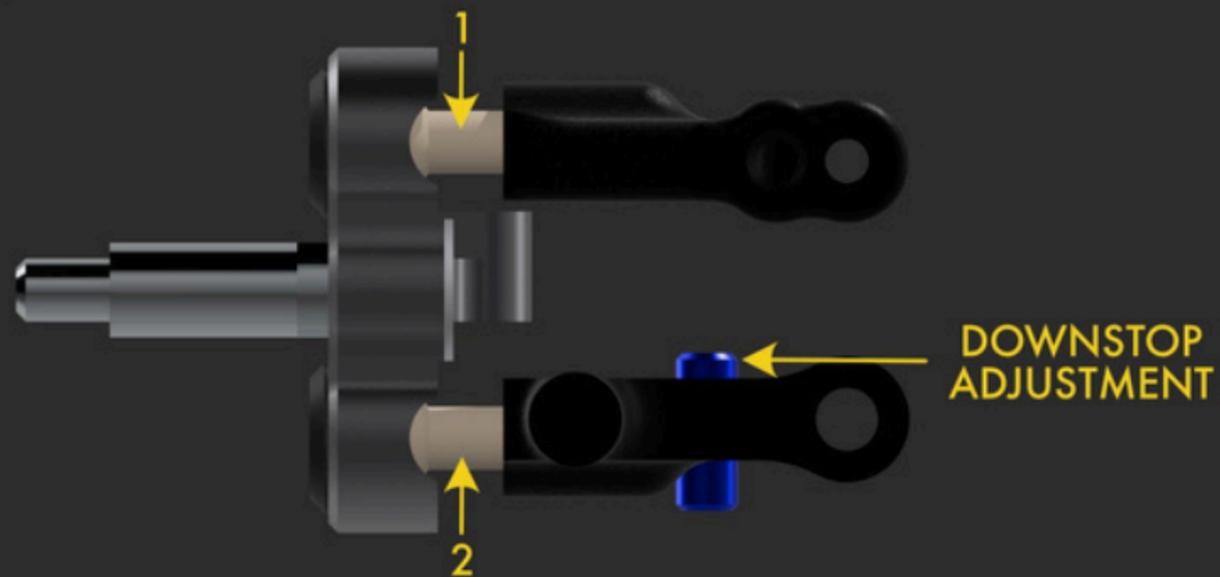
### 2<sup>nd</sup> STEP



SCREW THE PIVOT BALL AND USE THE 2mm SPACER TOOL

SCREW THE PIVOT BALL AND USE THE 2.5mm SPACER TOOL

## 09- SETUP TIPS



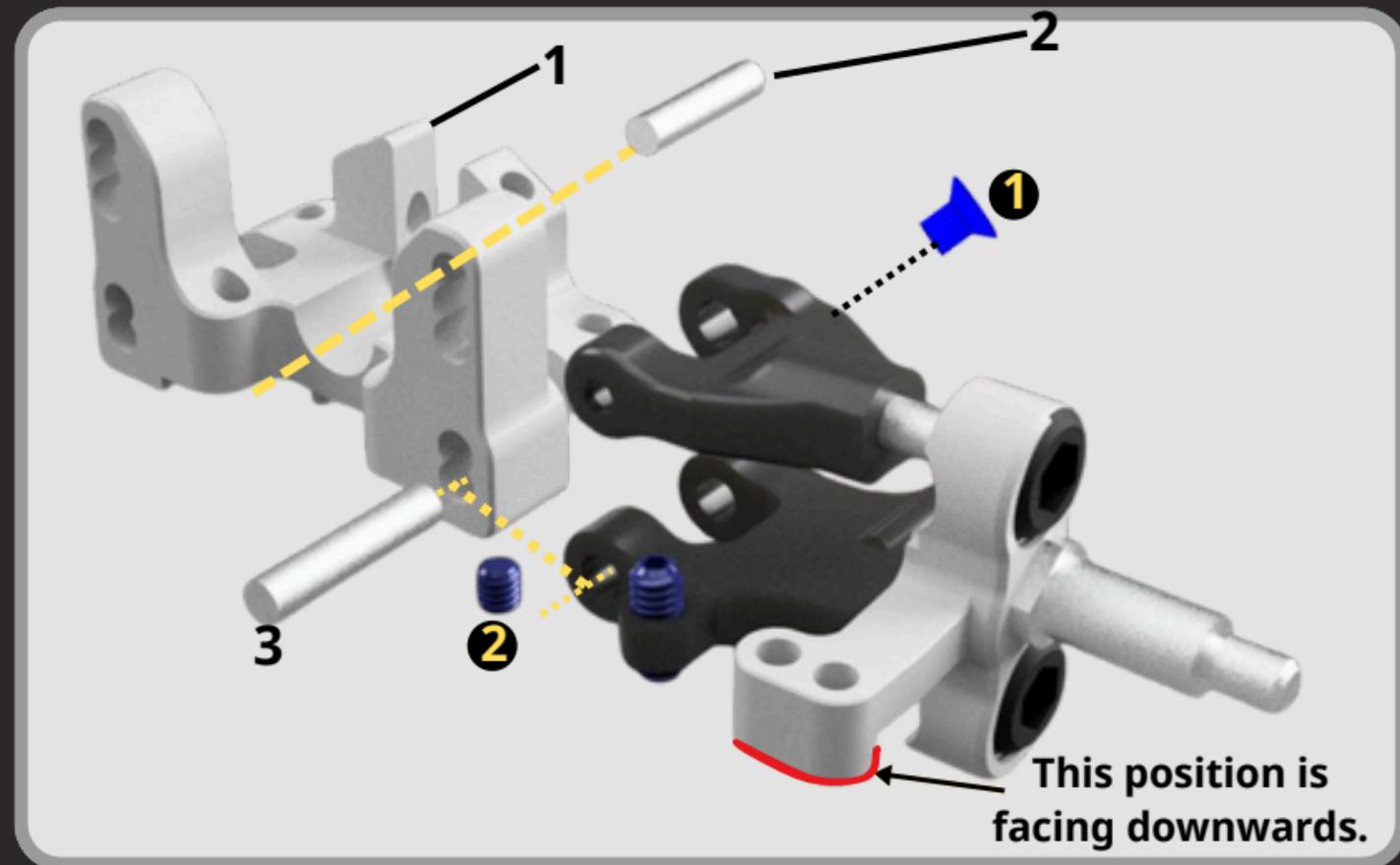
1	CAMBER ADJUSTMENT (STANDARD 2MM)
2	FRONT WIDTH ADJUSTMENT (STANDARD 2.5MM)

## BAG 09 - CONTENT

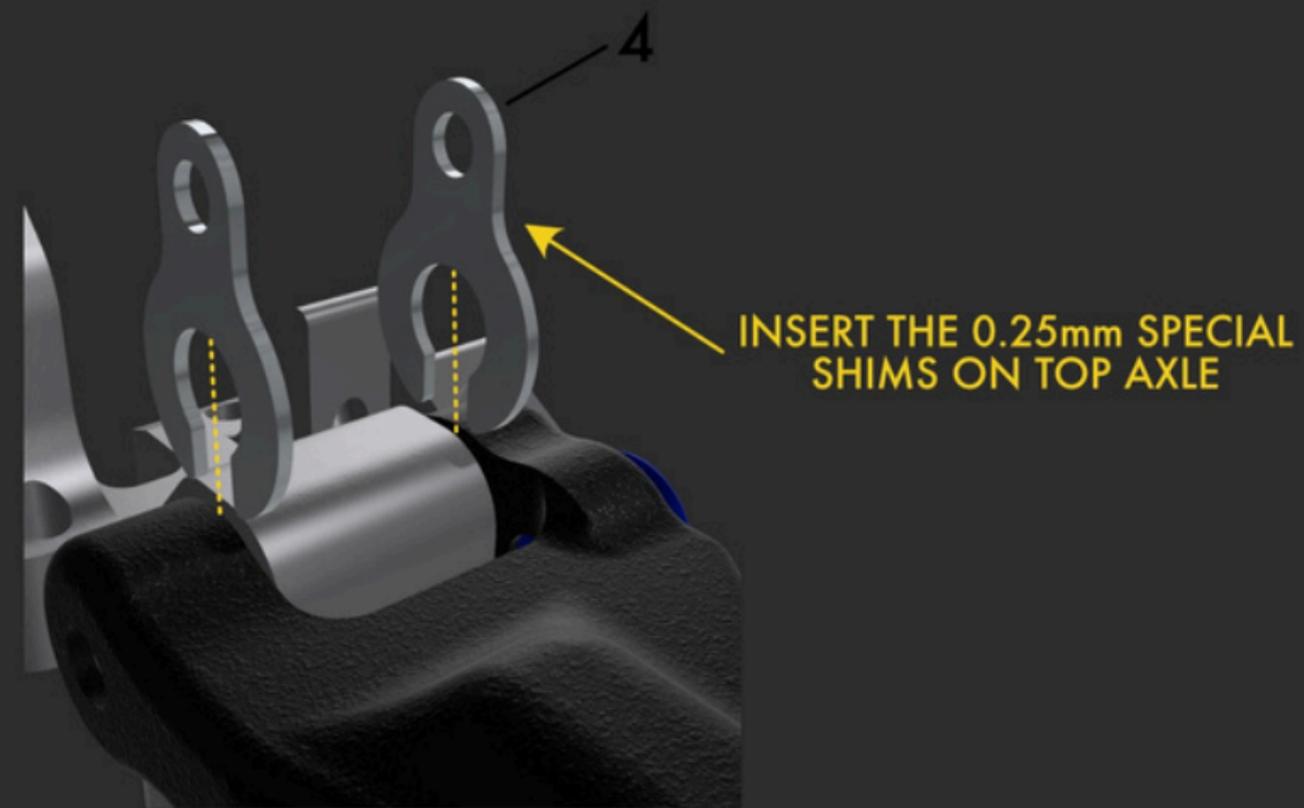
PART		
1	XB1-014	Left Knuckle
2	XB1-004	Arm
3	XB1-015	Plastic Knucle Ball Cap
4	XB1-016	Wheel Axle
5	XB1-ALT	Knuckle Tool
6	XB1-013	Right Knucle

BOLTS		
1	X-SSS-2-5	M2x5mm
2	X-PVB-6	Pivot Ball 6mm

## 10- FRONT



## 10- ASSEMBLY TIPS

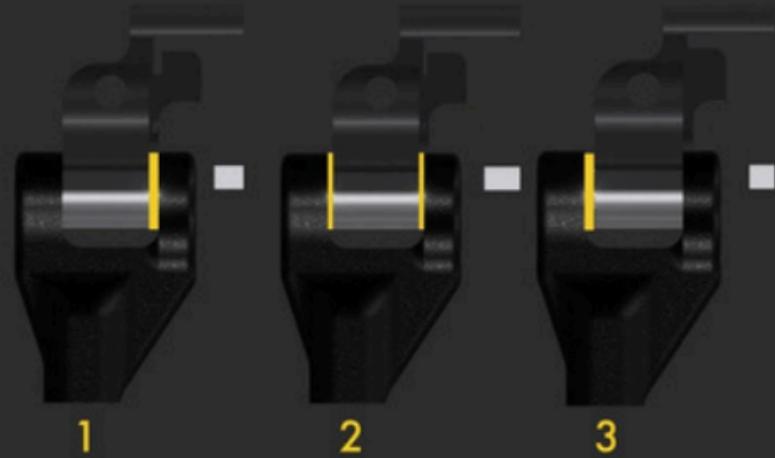


## 10- SETUP TIPS



1	CAMBER GAIN ADJUSTMENT
2	ROLL CENTER ADJUSTMENT

CAR FRONT →



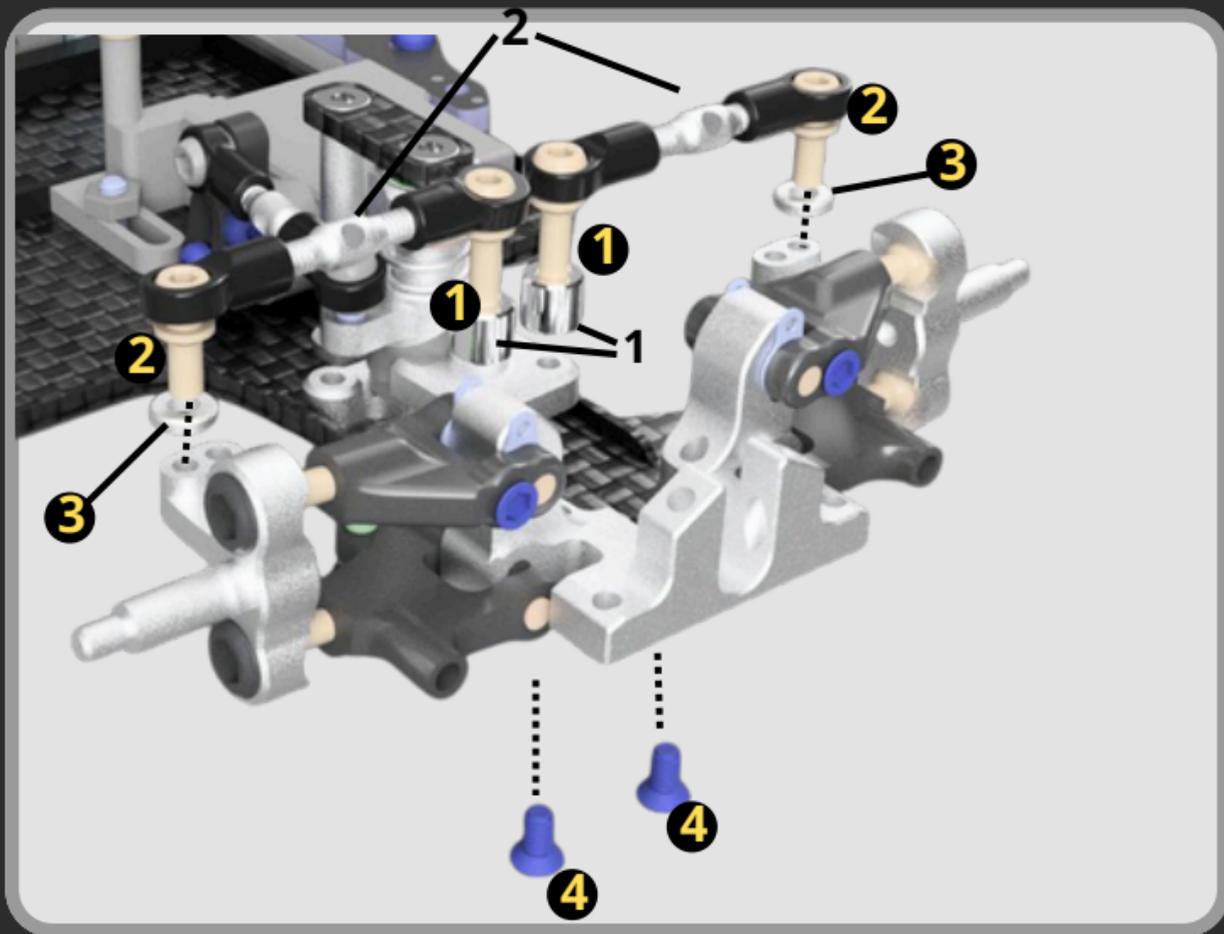
1	0° CASTER
2	STANDARD POSITION (1.5°)
3	3° CASTER

## BAG 10- CONTENT

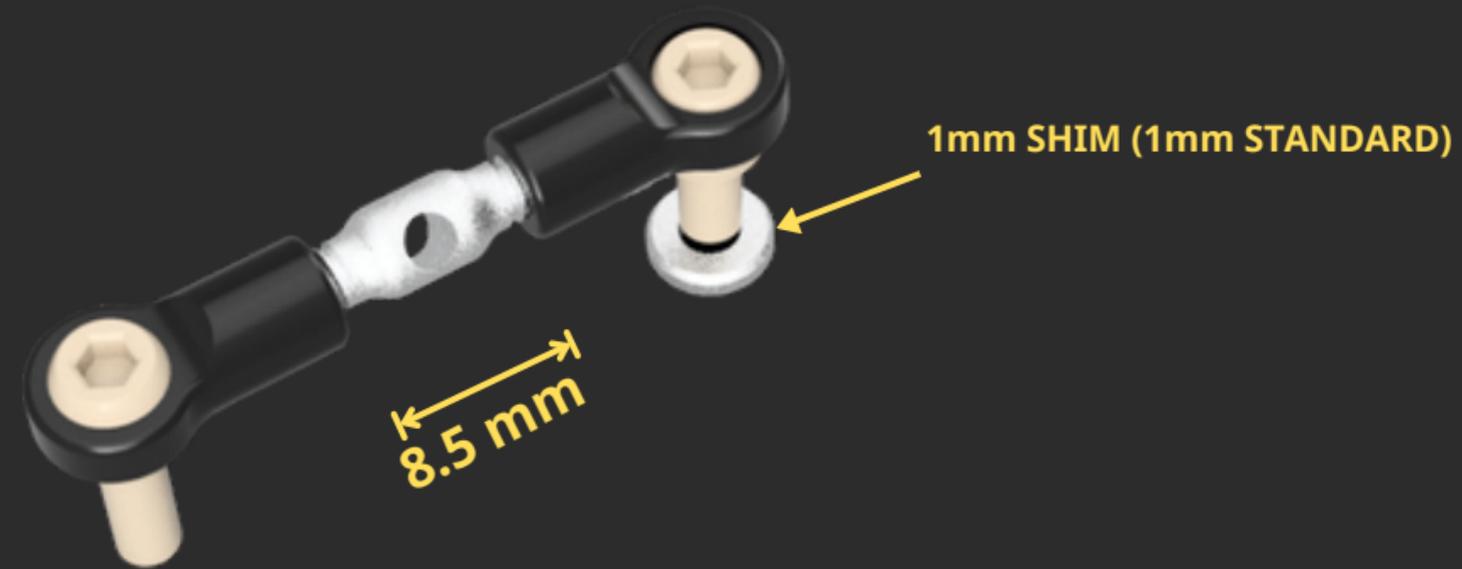
PARTS	1	XB1-003	Front Buckle
	2	XB1-009	9mm Axle
	3	XB1-009.5	9.5mm Axle
	4	XB1-008	0.25mm Caster Plate Shim

BOLTS	1	X-FHS-1.6-2	M1.6x2mm
	2	X-SSS-2-2	M2x2mm

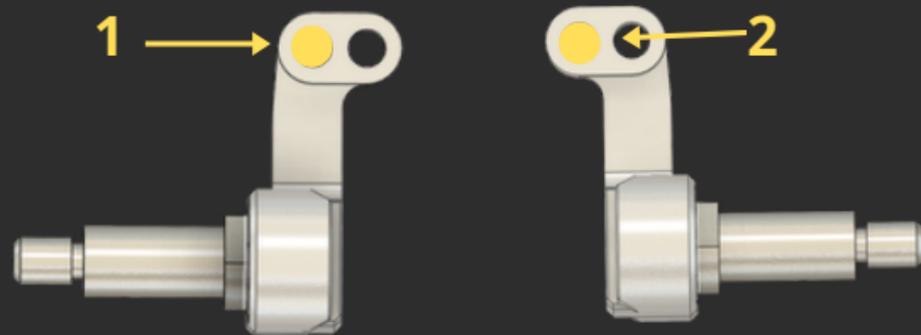
## 11-STEERING LINKS



## 11-ASSEMBLY TIPS



## 11-SETUP TIPS



1

STANDARD POSITION  
LESS ACKERMANN

2

LESS AGRESSIVE  
MORE ACKERMANN

## BAG11-CONTENT

PART

1

F1-010

Washer 2x4x3.5mm

2

Xb1-019

Servo Link

BOLTS

1

X-PVB-6F

Pivot Ball 6mm

2

X-PVB-3

Pivot Ball 3mm

3

X-WSH-2-4-1

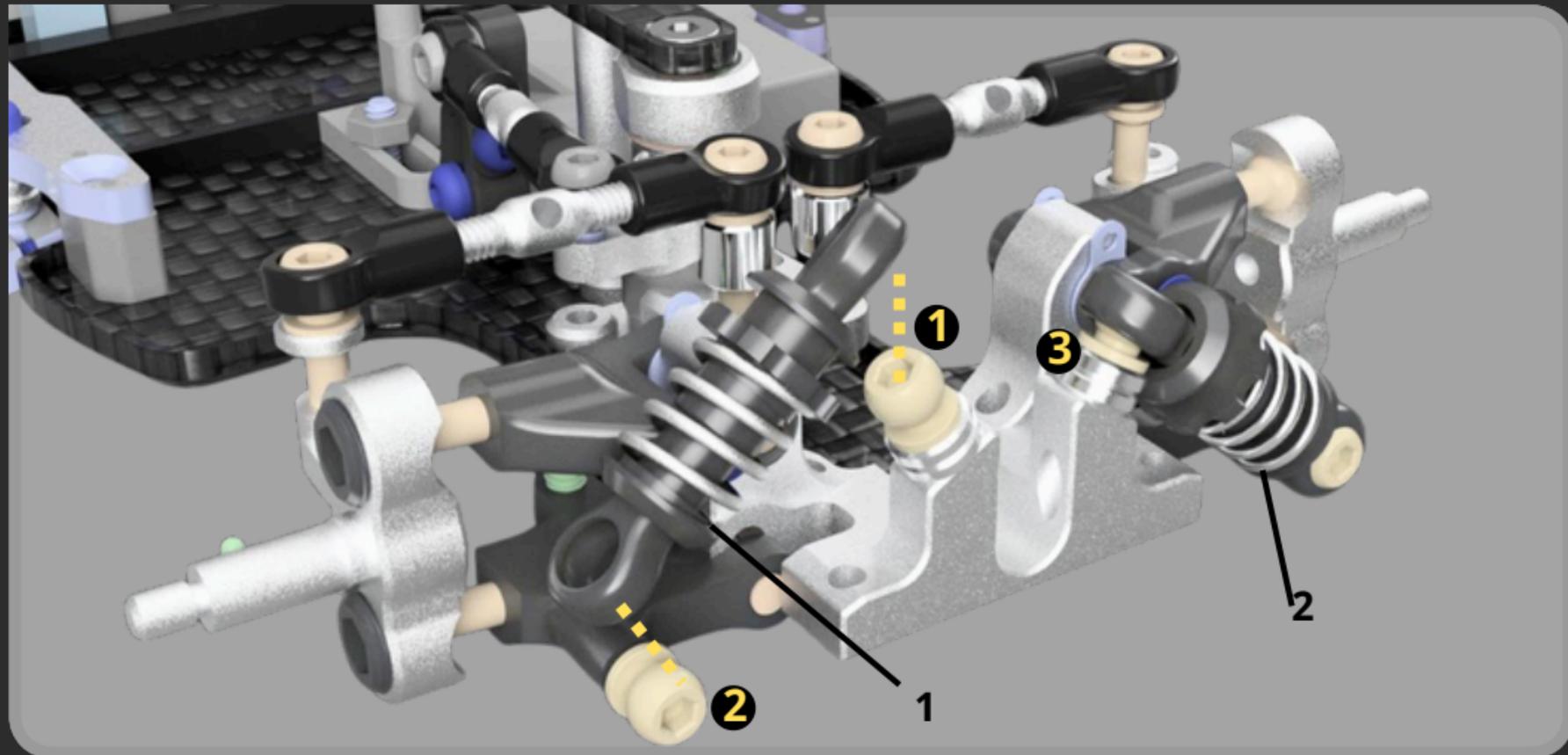
2x4x1mm Shim

4

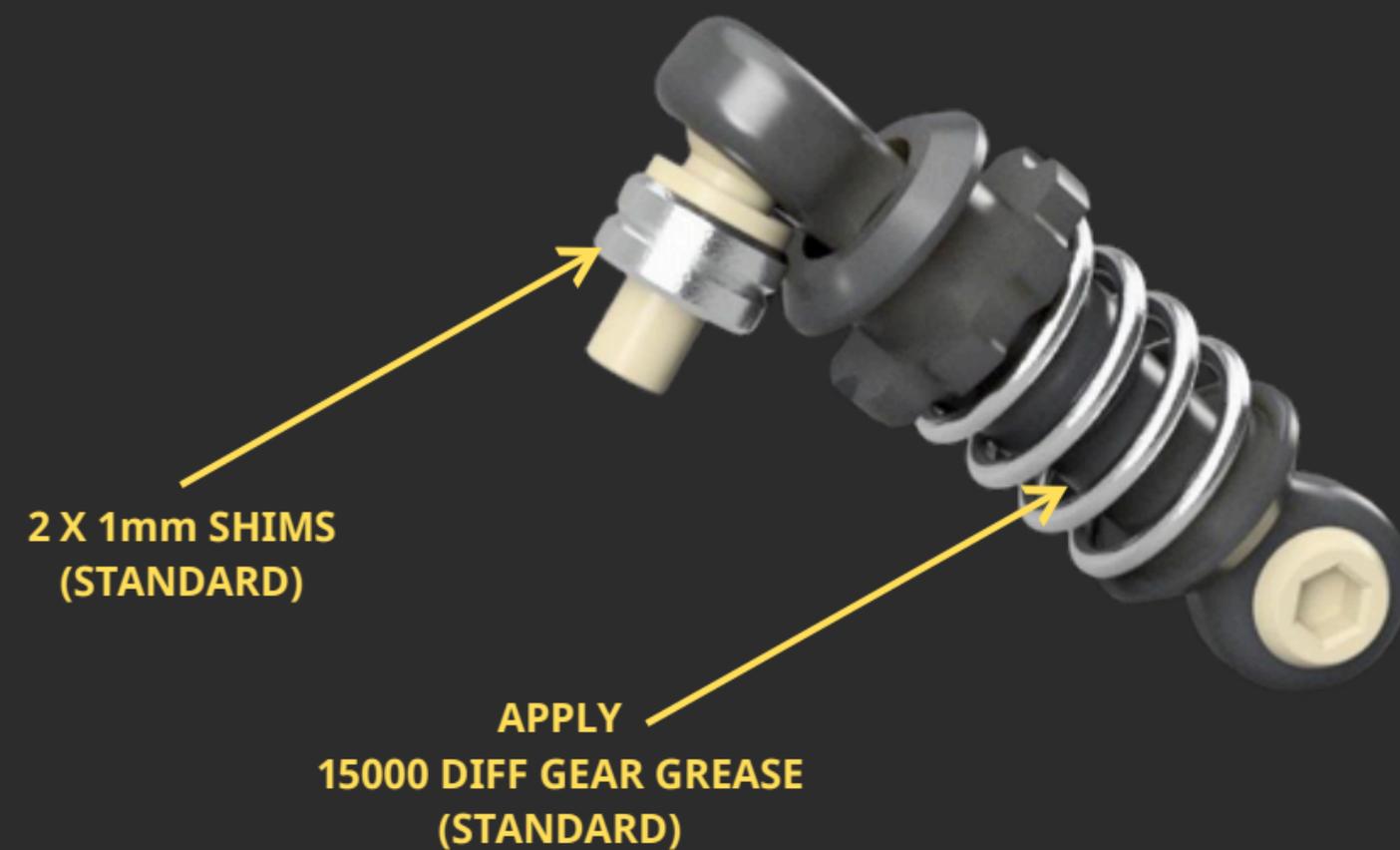
X-FHS-2-6

M2X6mm

## 12- FRONT SHOCKS



## 12- ASSEMBLY TIPS



## 12- SETUP TIPS

### SPRING CHART

1*	EXTRA SOFT	
2*	SOFT	
3	MEDIUM (STANDARD)	
4*	HARD	
5*	EXTRA HARD	

OPTIONAL FRONT SPRINGS\*

## BAG 12- CONTENT

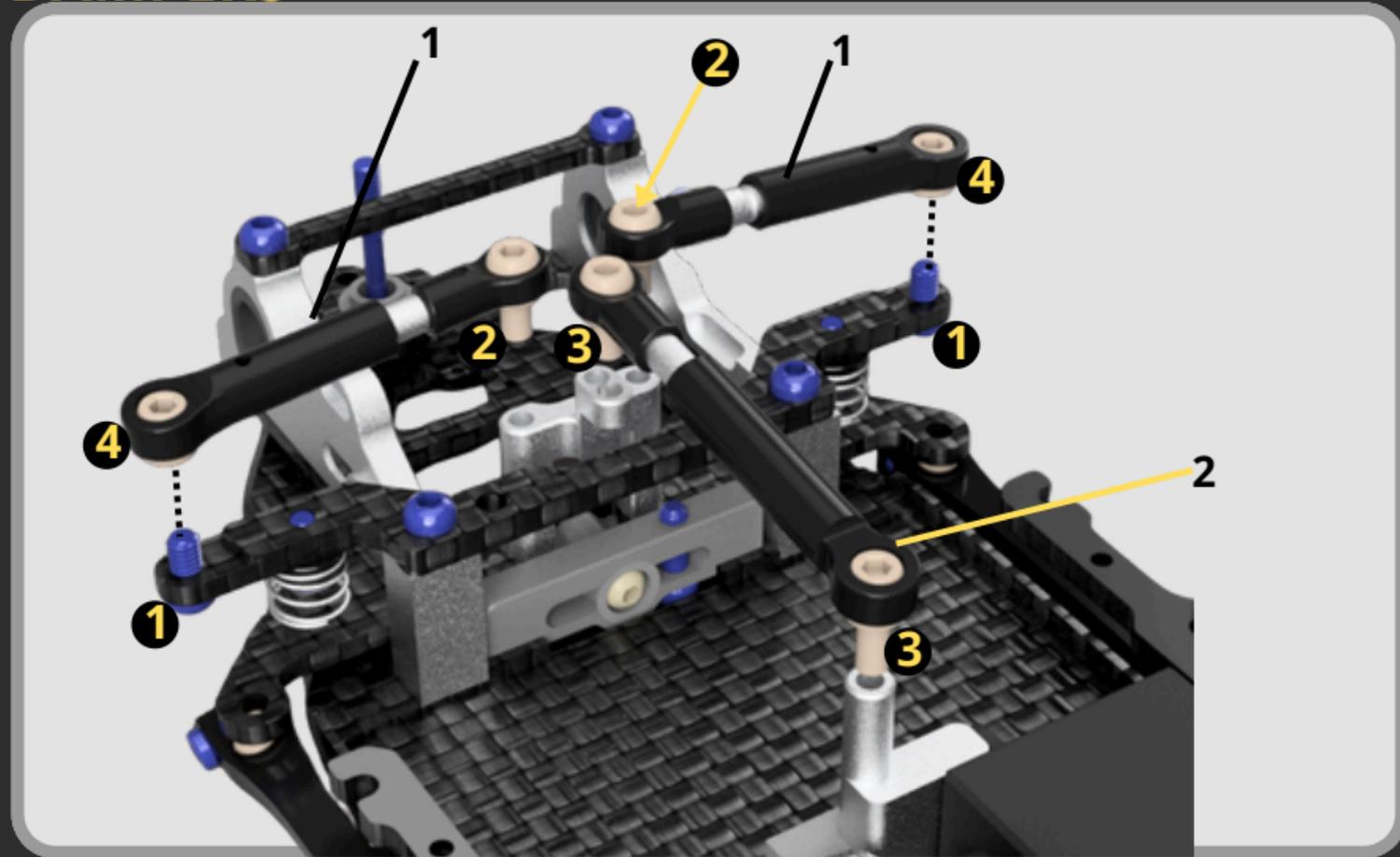
### PARTS

1	XB1-017	Front Shock
2	XB1-041-F	Medium Front Spring

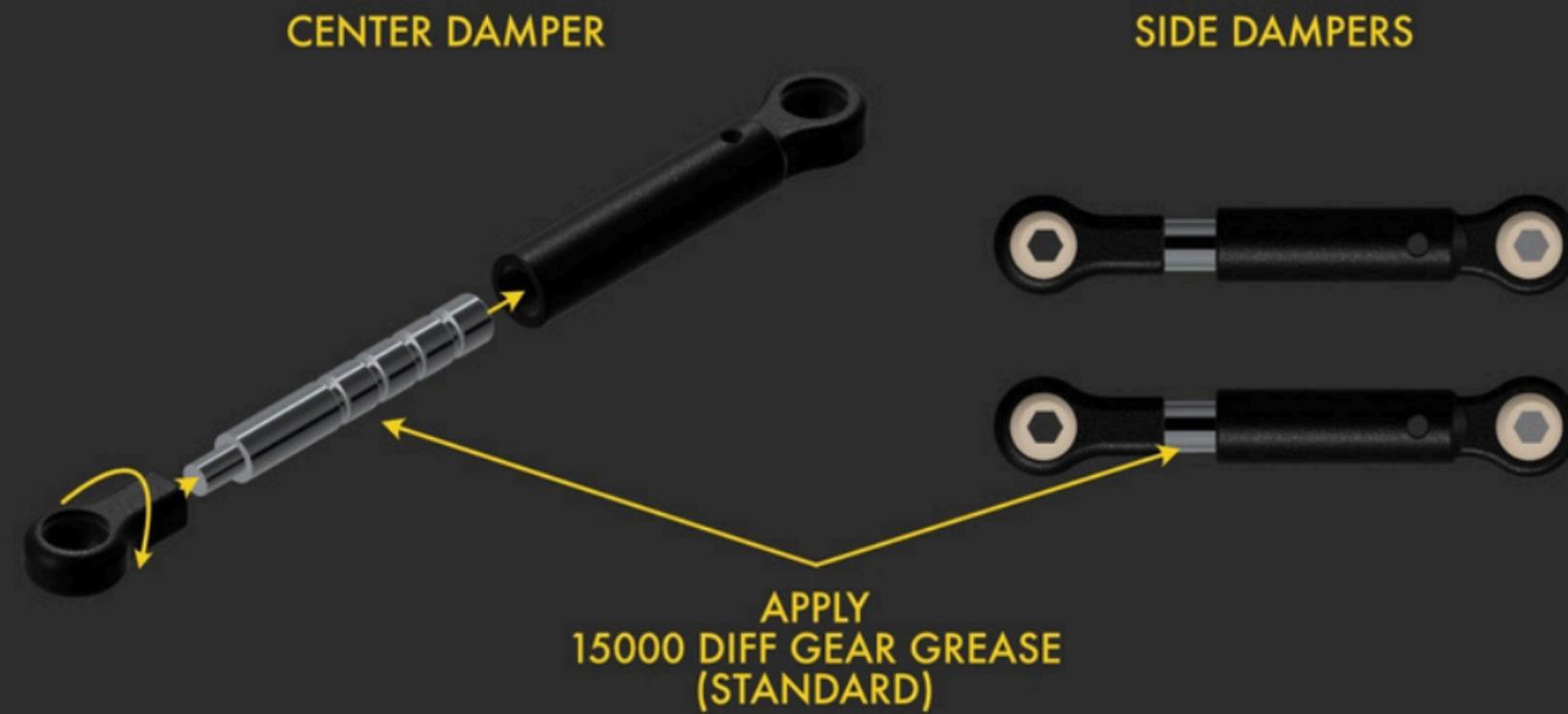
### BOLTS

1	X-PVB-4	Pivot Ball 4mm
2	X-PVB-3	Pivot Ball 3mm
3	X-WSH-2-4-1	2x4x1mm Shim

# 13- DAMPERS



# 13- ASSEMBLY TIPS



## 13- SETUP TIPS

### SIDE DAMPERS



GREASE

HIGH GRIP

USE HARDER GREASE

LOW GRIP

USE SOFTER GREASE

ANGLE

MORE ANGLE

STIFFER FEELING  
LESS ROLL

MORE FLAT

SOFTER FEELING  
MORE ROLL

## BAG13-CONTENT

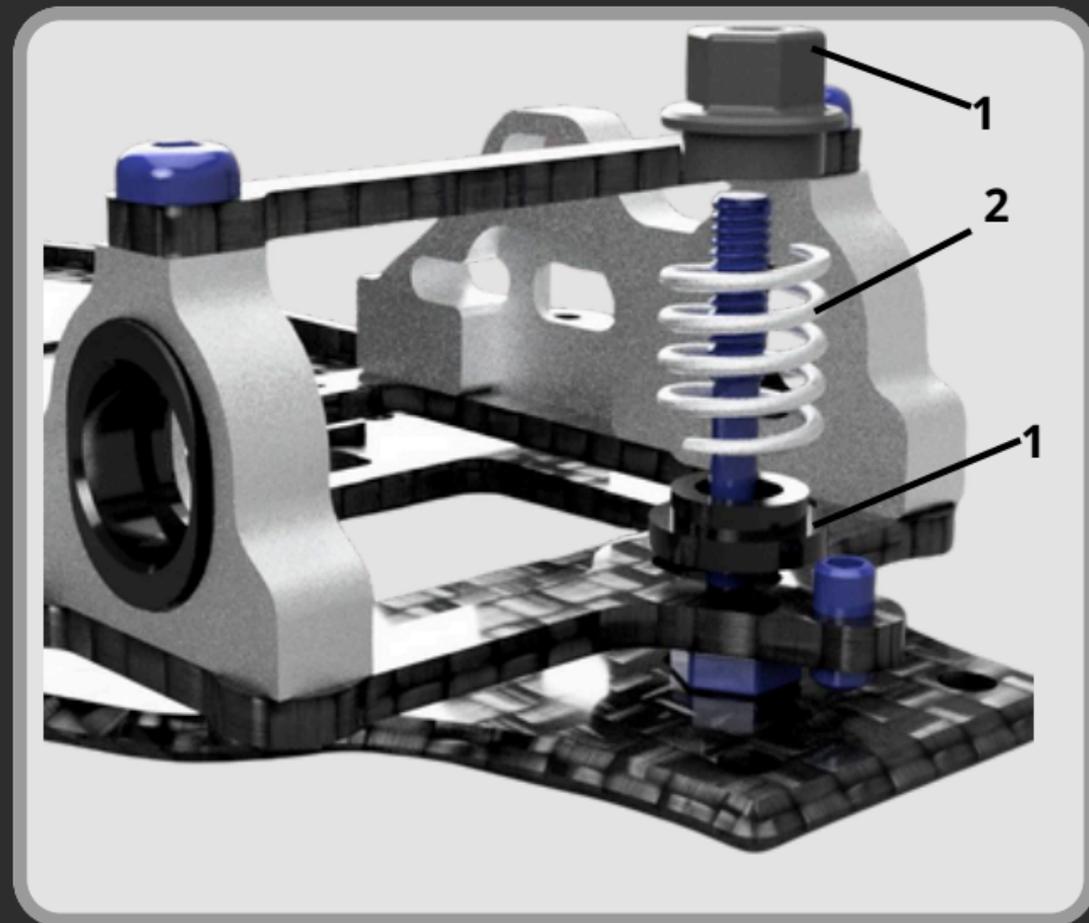
PARTS

1	XB1-037	Side Damper
2	XB1-066	Center Damper

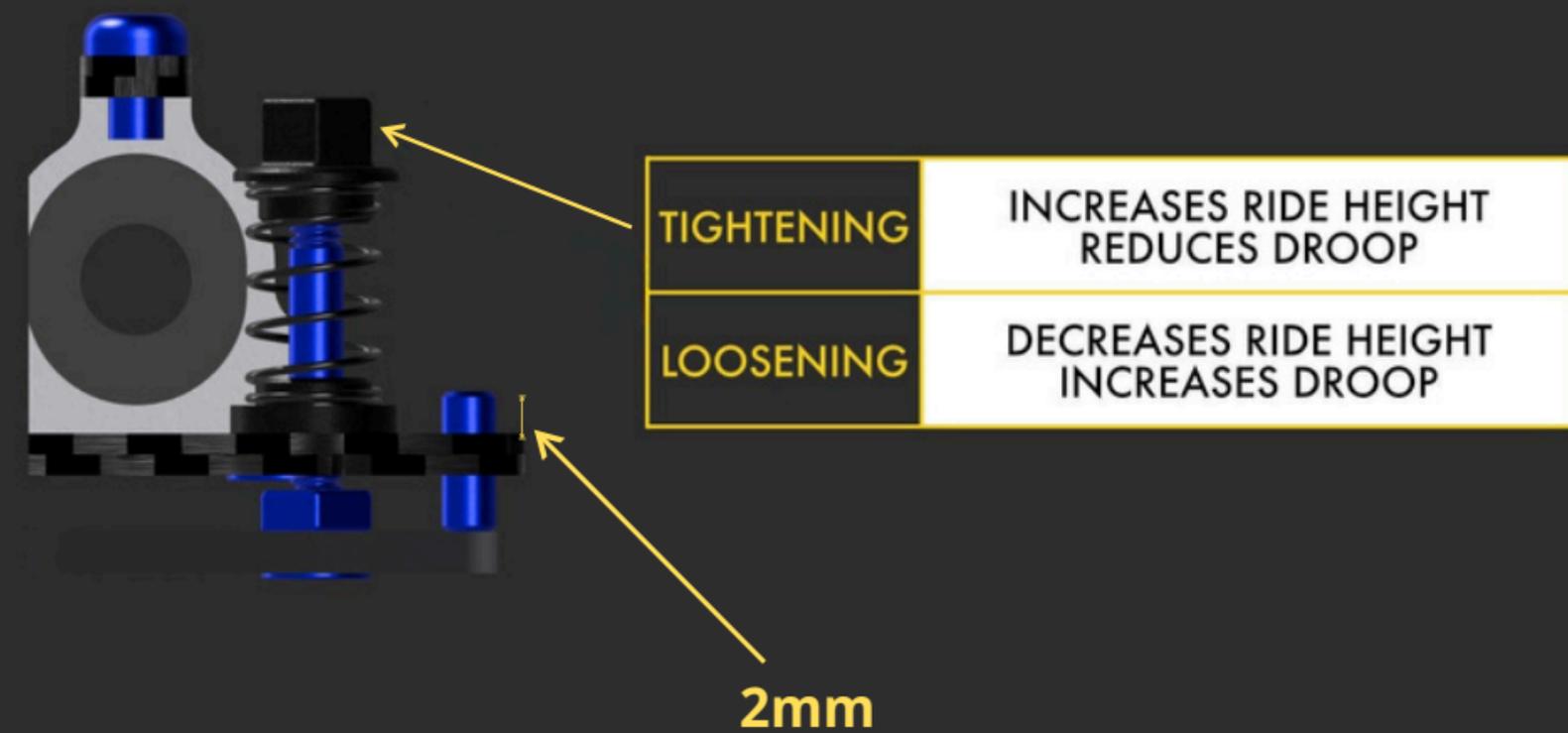
BOLTS

1	X-RHS-2-4	M2x4mm
2	X-PVB-4	Pivot Ball 4mm
3	X-PVB-3	Pivot Ball 3mm
4	X-PVB-F	Female Pivot Ball

## 14-REAR SPRING



## 14-SETUP TIP



## 14-SETUP TIPS

SPRING CHART

1*	EXTRA SOFT	
2*	SOFT	
3	MEDIUM (STANDARD)	
4*	HARD	
5*	EXTRA HARD	

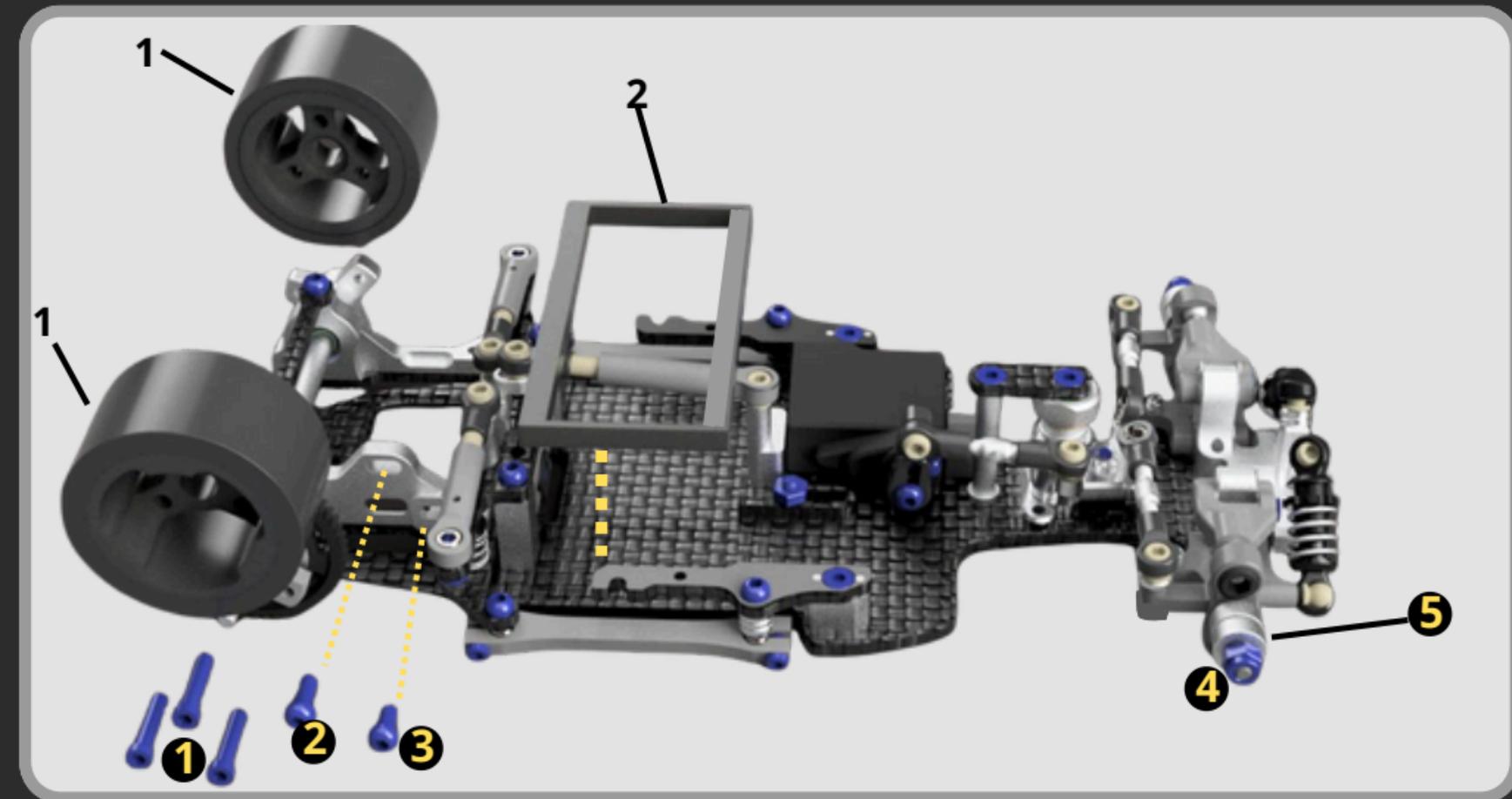
OPTIONAL REAR SPRINGS\*

## BAG14-CONTENT

PARTS

1	XB1-052	Rear Shock Guide
2	XB1-041-R	Medium Rear Spring

## 15-WHEEL & MOUNT BATTERY

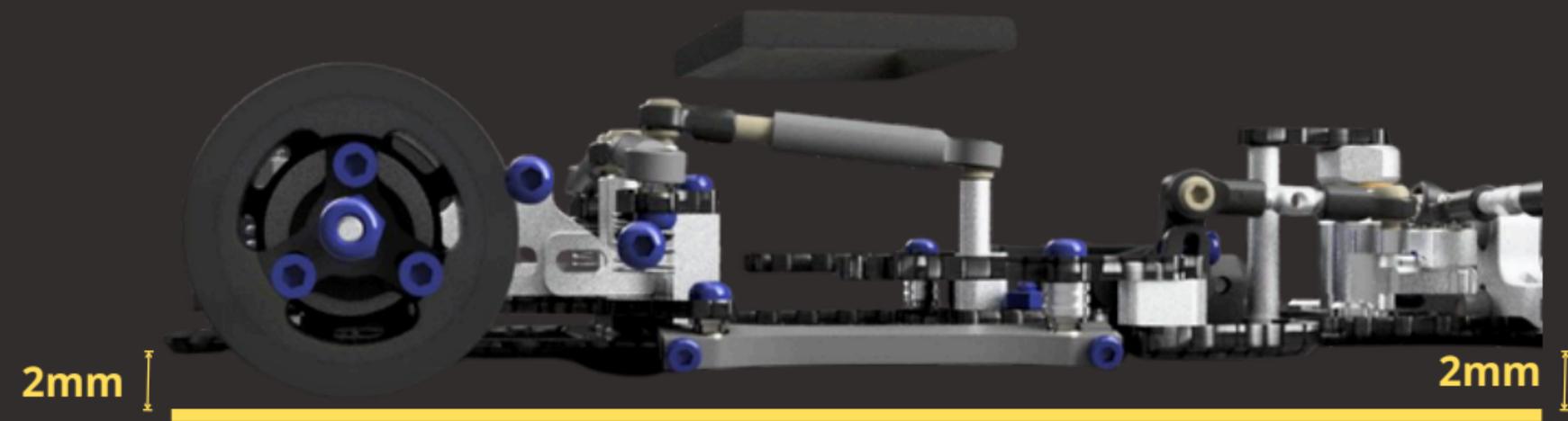


## BAG 15 - CONTENT

PART		
1	XB1-061-14	14 Rear Rim
2	XB1-063	Center Battery Support

BOLTS		
1	X-SHS-2-5	M2x5mm
2	X-RHS-2-5	M2X5mm
3	X-RHS-2-6	M2x6mm
4	X-LN-2	Nut M2
5	X-RDB-3-6-2.5	3x6x2.5mm Bearing

## 15-SETUP CONSIDERATIONS

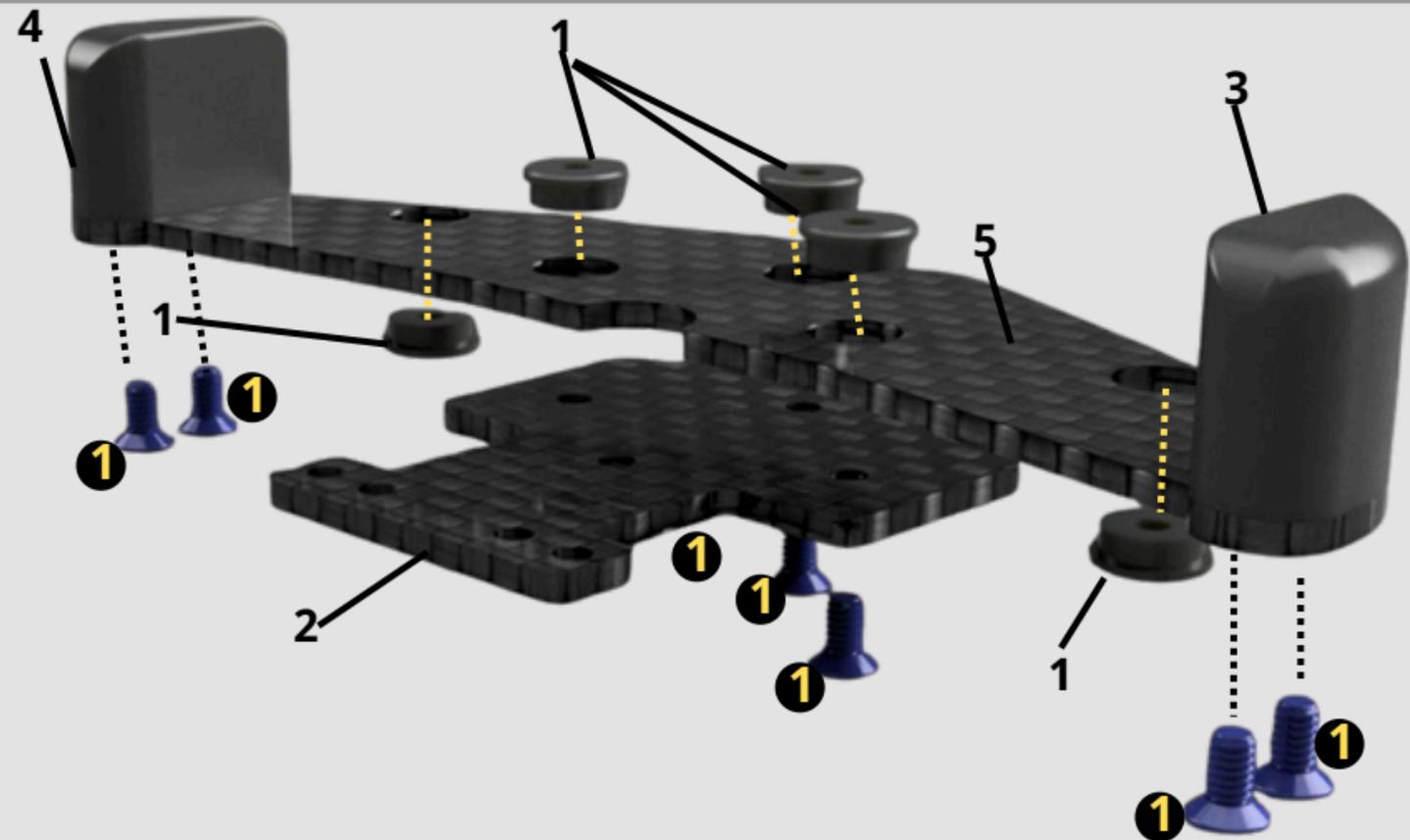


**HIGHT MEASURES:  
PLEASE MAKE SURE YOU  
MAKE THE READING BELOW**

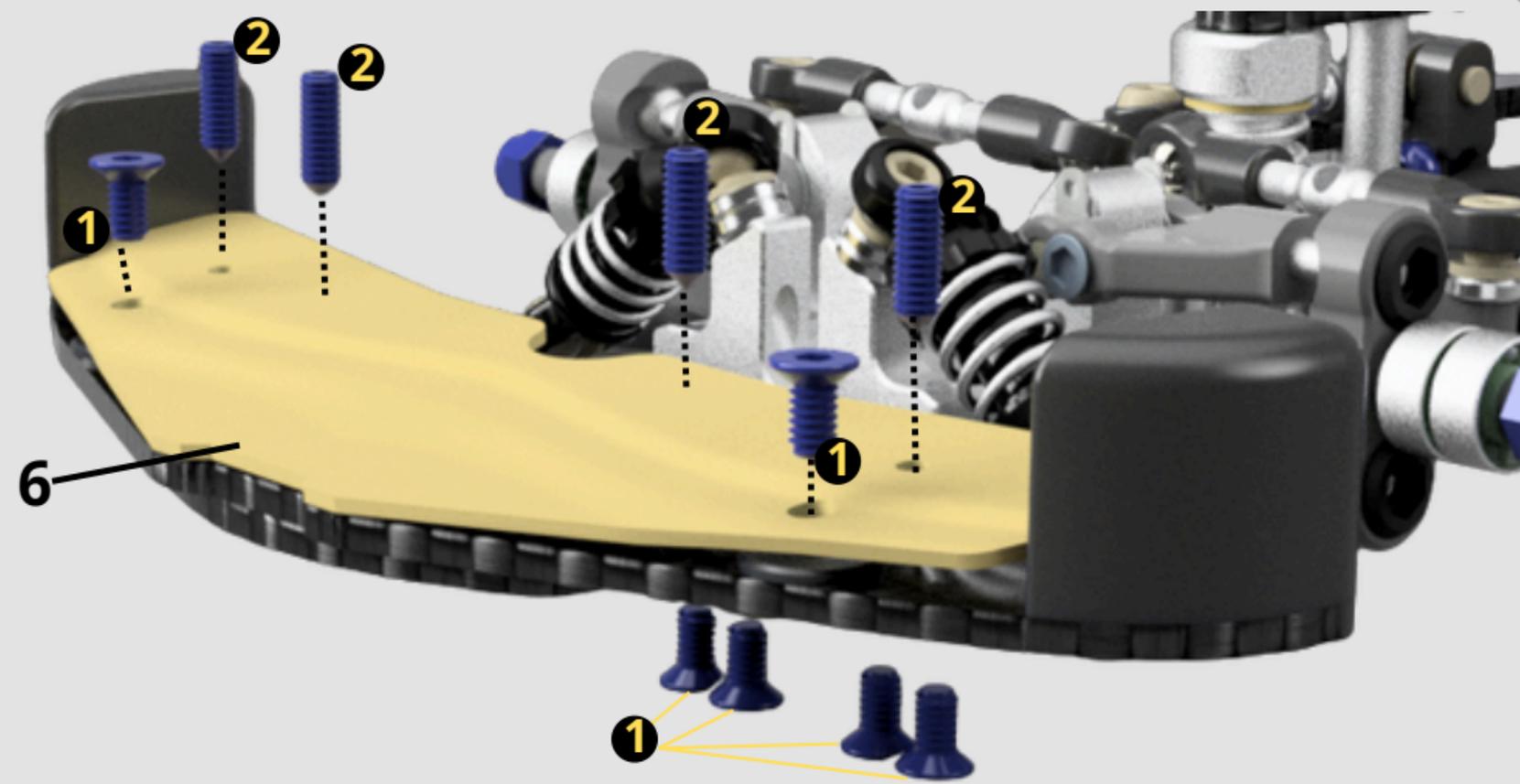
# NEXT PAGE



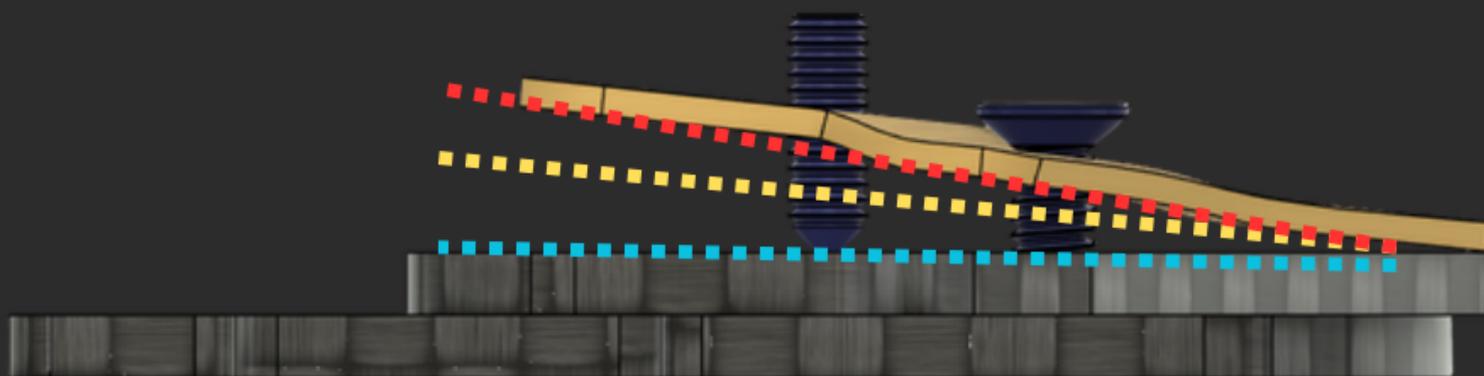
## 16-FRONT WING



## 16-ASSEMBLY TIPS



## 17-SETUP TIPS



## 17-CONTENT

PART

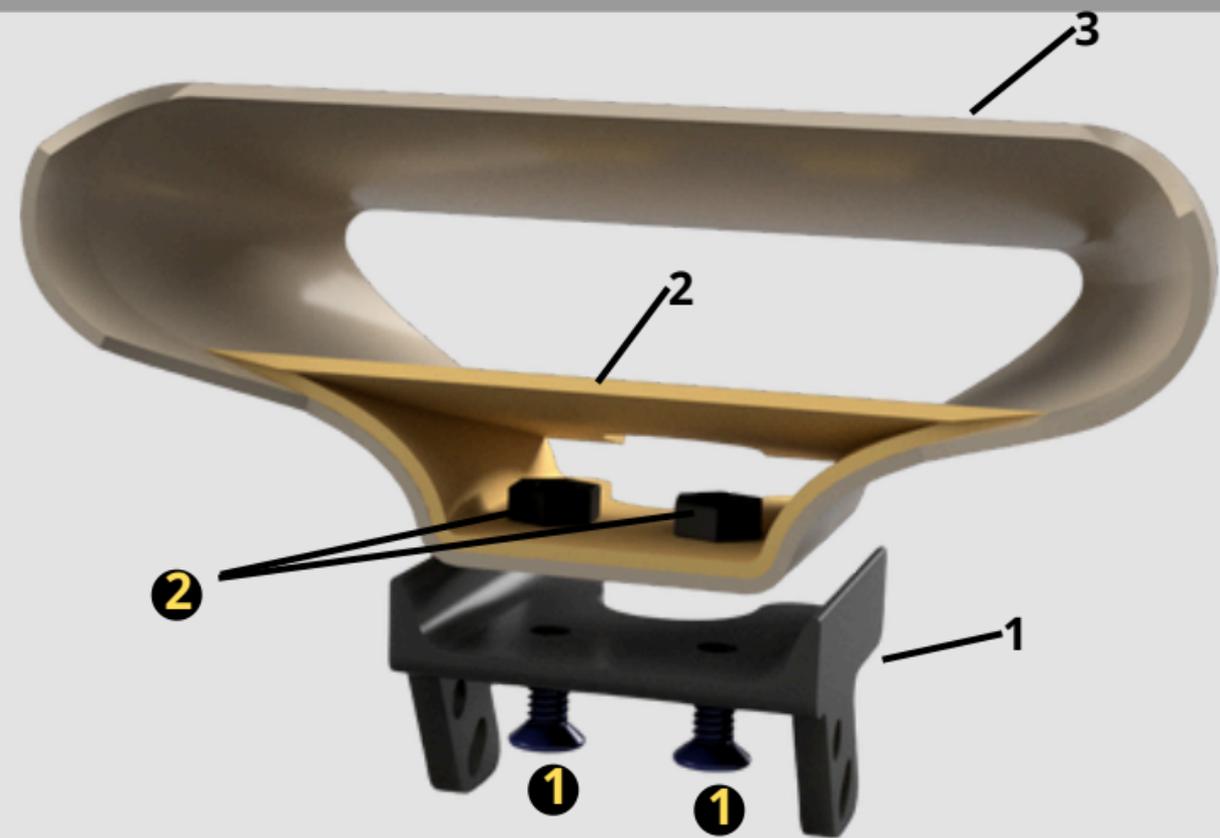
1	F1-030	2x3 Conical Plastic
2	F1-032	Mount Carbon Bumber
3	F1-029	Right Plastic Bumber
4	F1-045	Left Plastic Bumber
5	F1-031	Carbon Bumber
6	F1-042	Lexan Wing

BOLTS

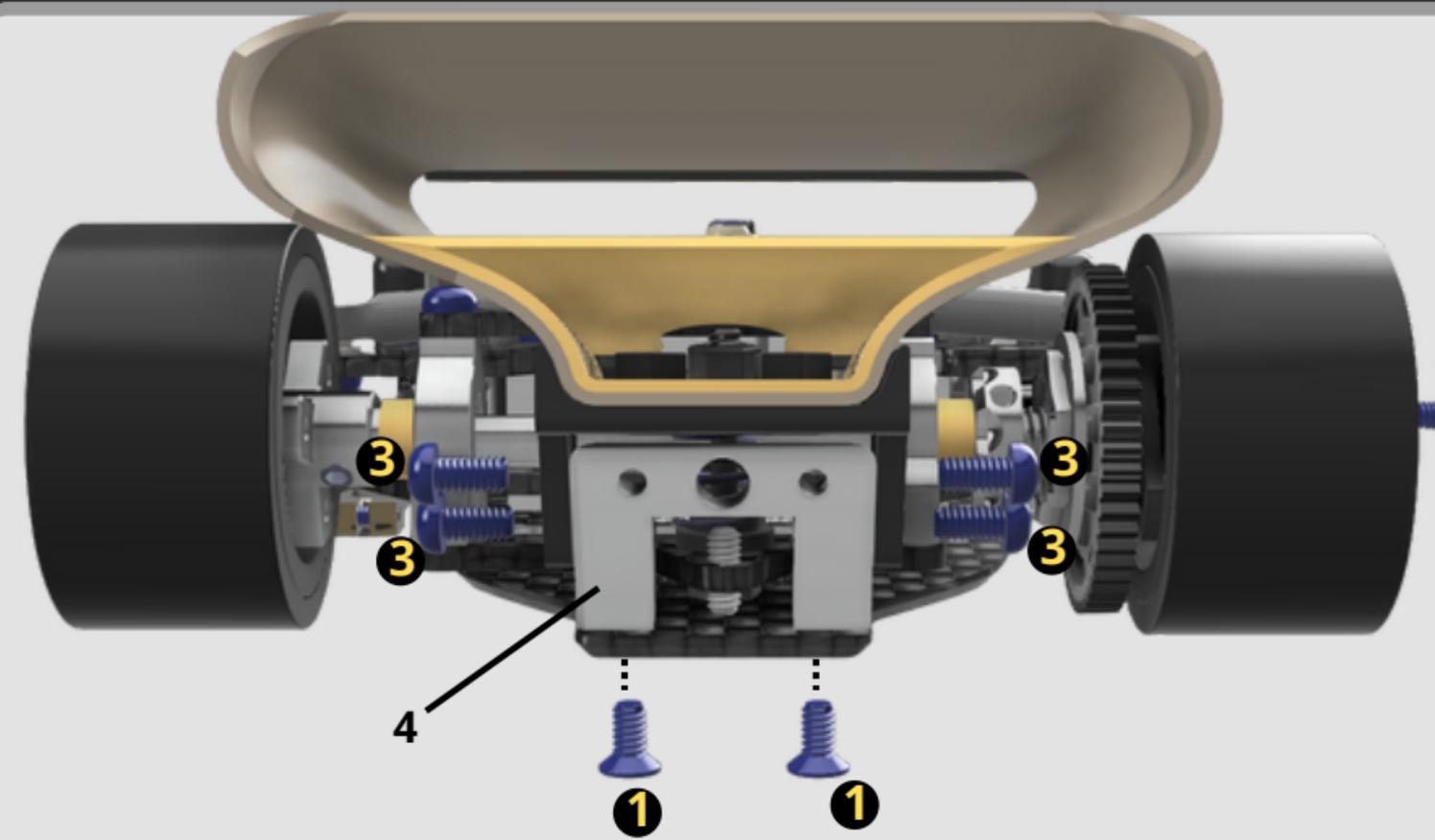
1	X-FHS-2-4	M2x4mm
2	X-SSS-2-5	M2X5mm

1	+5 Degress	-	HIGH DOWNFORCE
2	+3 Degrees	-	MEDIUM DOWNFORCE
3	0 Degress	-	NONE DOWNFORCE

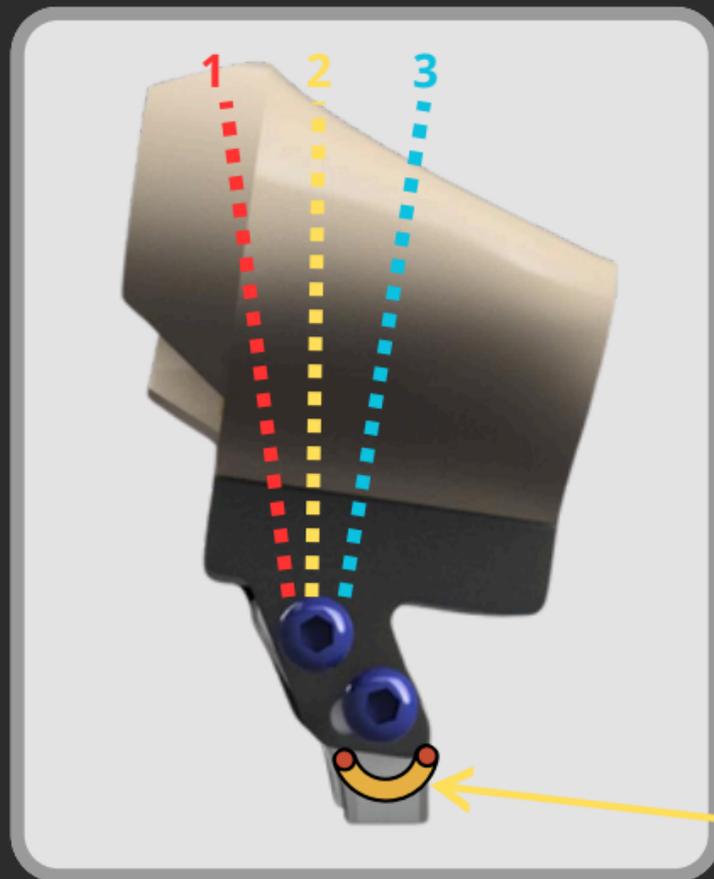
## 17-REAR WING



## 17-REAR WING



## 17-SETUP TIPS



<b>1</b>	+5 Degress - LOW DOWNFORCE
<b>2</b>	0 Degress - STANDARD DOWNFORCE
<b>3</b>	-5 Degress - HIGH DOWNFORCE

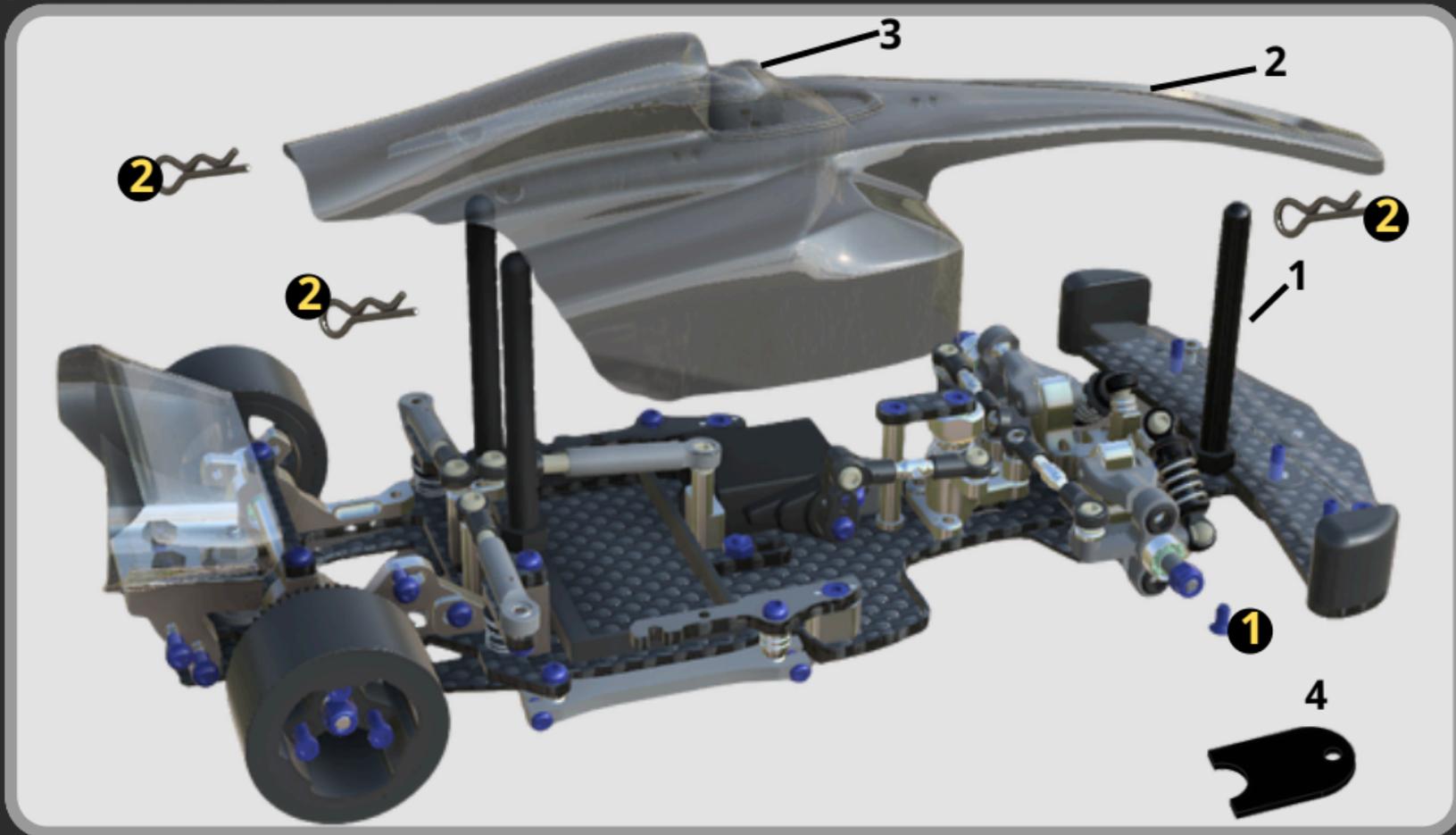
**ADjust Degress Rear Wing**

## BAG 17 - CONTENT

<b>PART</b>		
<b>1</b>	F1-043	2x3 Conical Plastic
<b>2</b>	F1-047	Inside Lexan wing Rear
<b>3</b>	F1-004	Lexan Wing Rear
<b>4</b>	F1-044	Support Wing

<b>BOLTS</b>		
<b>1</b>	X-FHS-2-4	M2x4mm
<b>2</b>	X-N-2	Nut M2
<b>3</b>	X-RHS-2-4	M2x4mm

## 18-FINAL ASSEMBLY



## BAG 18 - CONTENT

PART		
1	F1-049	Body Post
2	F1-015	Lexan Body
3	F1-055	Head Lexan
4	F1-033	Lap Counter Support

BOLTS		
1	X-FHS-2-4	M2x4mm
2	F1-051	Body Clip



OUR LINKS