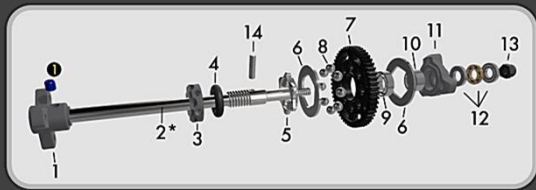


XBILITY
RC

The image features a 3D logo for 'XBILITY RC' set against a dark gray background. The word 'XBILITY' is rendered in large, bold, white block letters with a 3D effect and a slight shadow. Below the 'X' and 'B' of 'XBILITY', the letters 'RC' are written in a smaller, white, sans-serif font. The entire logo is surrounded by a network of thin, yellow, circuit-like lines that branch out and connect to small yellow circular nodes, giving it a high-tech, digital appearance.

01 – DIFFERENTIAL



OPTIONAL*

Titanium Shaft - XB1 - 090 -14

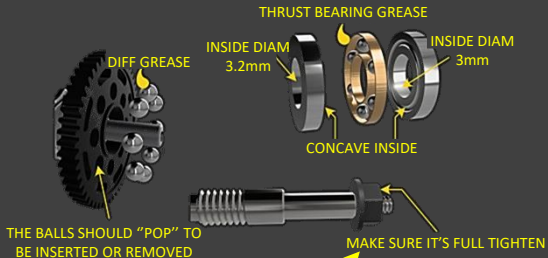


OPTIONAL SLIPPER SPOOL*:



XB1-097

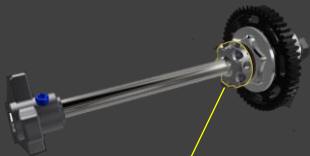
01 – ASSEMBLY TIPS



NOTE: Before making the final differential adjustment, ensure the nut is fully seated against the differential shaft.



01 – SETUP TIPS



TIGHTEN – MORE STEERING

LOOSEN – LESS STEERING

BAG 1 – CONTENT

PARTS

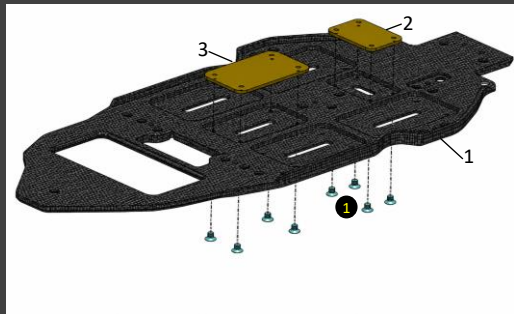
1	XB1-048-1	Diff Wheel Hub 1
2	XB1-090-2	Diff Aluminium Shaft
3	XB1-048-3	Diff Adjustor Hub
4	XB1-048-4	O-ring 3x7x2
5	XB1-048-5	Diff Hub Pressure Plate
6	XB1-048-6	Diff Pressure Plate
7	XB1-048-7	Diff 64P 53T Spur Gear
8	XB1-048-8	Ceramic Balls
9	XB1-048-9	Bearing 4x7x2
10	XB1-048-10	Bearing 3x6x2.5
11	XB1-048-11	Diff Wheel Hub 2
12	XB1-048-12	Thrust Bearing
13	XB1-048-13	Lock Nut M2
14	XB1-048-14	1.5mm Shaft

BOLTS

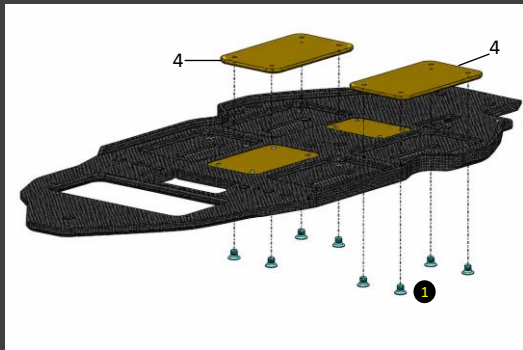
1	X-SSS-2.5-2	Set Screw M2.5x2mm
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02 – BASE PLATE

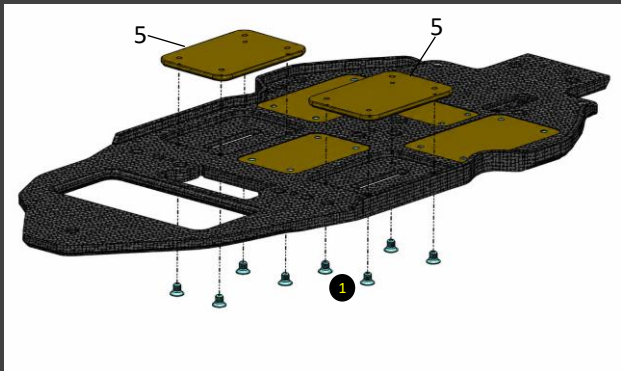


STEP 1



STEP 2

02 – BASE PLATE



STEP 3

PARTS

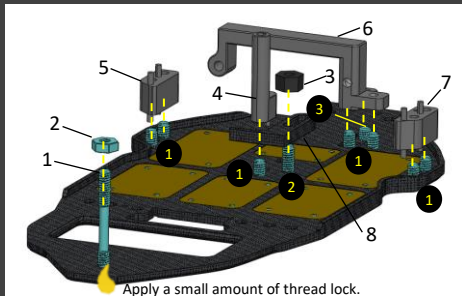
1	XB-112	Carbon chassis
2	XB-115	Brass Plate 1
3	XB-116	Brass Plate 2
4	XB-114	Brass Plate 3
5	XB-113	Brass Plate 4

BOLTS

1	X-FHS-1.2-1.5	M1.2x1.5mm
---	---------------	------------



03 – REAR PLATE



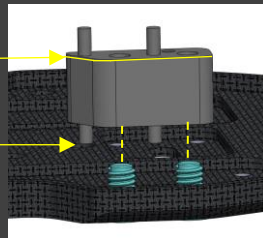
BOLTS

1	X-FHS-2-4	M2x4mm
2	X-FHS-2-6	M2x6mm
3	X-FHS-2-3	M2x3mm

03 – ASSEMBLY TIP

ROUND CORNER
TO THE FRONT
OF THE CAR

SMALL PINS TO
THE CHASSIS



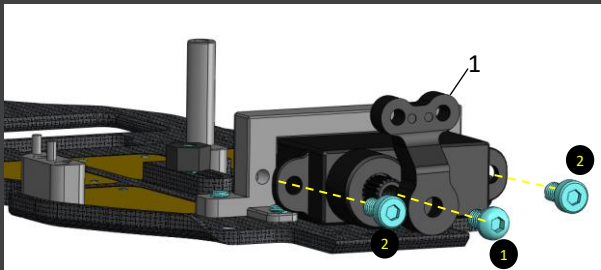
PARTS

1	XB1-050	Rear Spring Bolt
2	XB1-051	Rear Spring Nut
3	XB1-024	4mm Lock Nut
4	XB1-025	Center Damper Tower
5	XB-118	Left Side Link Tower
6	XB-121	Servo Support
7	XB-117	Right Side Link Tower
8	XB1-022	Battery Adjust Plate

XBILITY
RC

04 – SERVO

BAG 4 - CONTENT



PARTS

1	XB-159	Servo Horn
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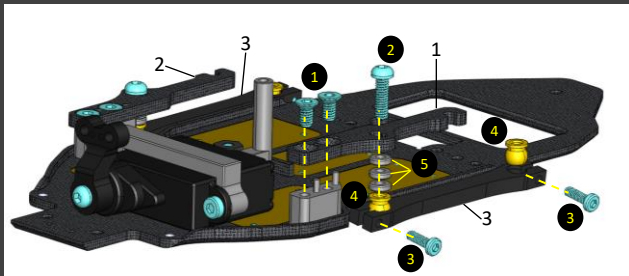
BOLTS

1	X-RHS-2-4	M2x4mm
2	X-SS-2-4	M2x4mm

NOTE: SERVO NOT INCLUDED



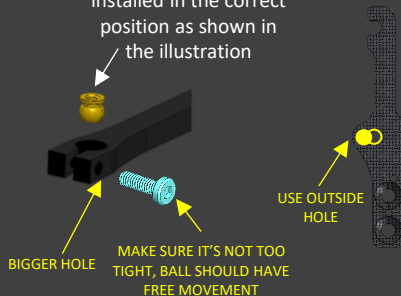
05 – SIDE LINKS



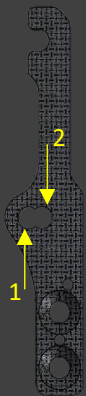
NOTE: REPEAT THE SAME ASSEMBLY PROCEDURE
FOR THE RIGHT-HAND SIDE

05 – ASSEMBLY TIPS

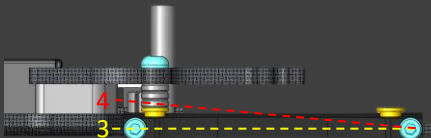
Ensure the part is
installed in the correct
position as shown in
the illustration



05 – SIDE LINKS



1	STANDARD POSITION
2	MORE IN-CORNER STEERING



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

BAG 5 – CONTENT

PARTS	1	XB-119	Left Side Link Plate
	2	XB-120	Right Side Link Plate
	3	XB1-030	Side Links

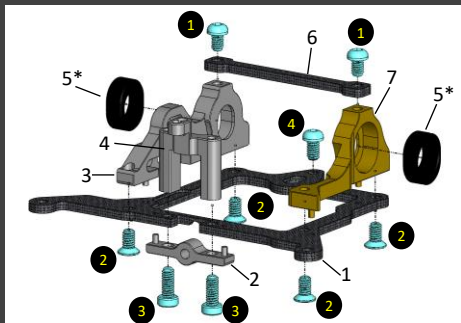
BOLTS	1	X-FHS-2-4	M2x4mm
	2	X-RHS-2-7	M2x7mm
	3	X-SHS-1.4-5	M1.4x5mm
	4	X-PVB-F-SUS	Steel Female Pivot Ball
	5	X-WSH-2-3.5-1	Shim 2x3.5x1mm



NEXT PAGE

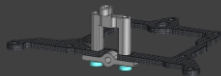


06 – REAR PLATE

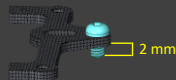


06 – ASSEMBLY TIPS

1st STEP



2nd STEP



NOTE: IMPORTANT ALWAYS USE THE RECOMMENDED SCREW LENGTH. FAILURE TO DO SO MAY DAMAGE THE PARTS OR AFFECT PERFORMANCE.



Ride Height
BUSH 0.4



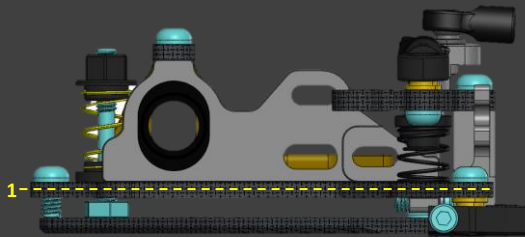
STANDARD



LINK TO TUTORIAL VIDEO



06 – SETUP TIPS



1

STANDARD POSITION



Expert Tip: For more advanced tuning, replace the standard screw with a 5mm set screw to allow finer adjustment.

BAG 6 – CONTENT

PARTS

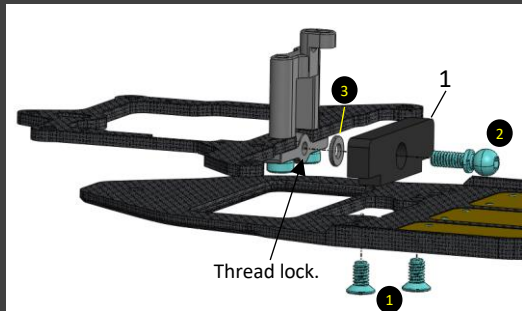
1	XB-146	Carbon Rear Plate
2	XB1-038	Center Pivot Ball
3	XB-145	Motor Mount
4	XB1-039	Rear Damper Tower
5	XB1-046	Ride Height Bush 1
6	XB1-049	Motor Mount Bar
7	XB-147	Mount Brass

BOLTS

1	X-RHS-2-3	M2x3mm
2	X-FHS-2-4	M2x4mm
3	X-SS-2-6	M2x6mm
4	X-RHS-2-3.5	M2x3.5mm

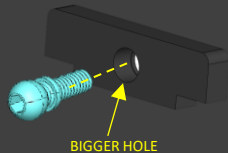


07 – PIVOT MOUNT



OPTIONAL: TITAN Pivot Ball 3.5 (XB1-124-TITAN)

07 – ASSEMBLY TIPS



PARTS

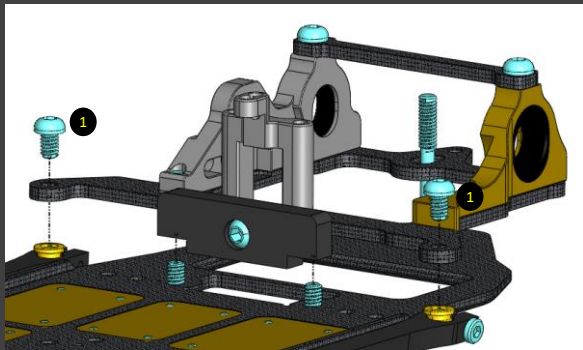
1	XB1-122	Plastic Center Pivot Ball
---	---------	---------------------------

BOLTS

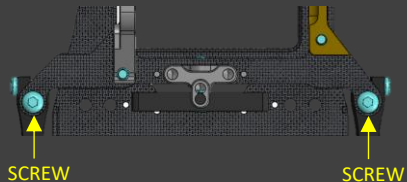
1	X-FHS-2-4	M2x4mm
2	XB1-124	SUS Pivot Ball 3.5
3	X-WSH-2-4-0.5	Shim 2x4x0.5



07 – PIVOT MOUNT



07 – ASSEMBLY TIPS



BOLTS

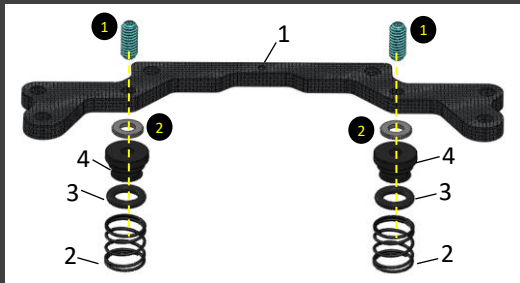
1

X-RHS-2-3

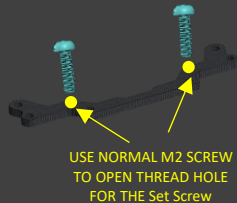
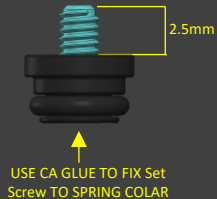
M2x3mm

XBILITY
RC

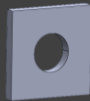
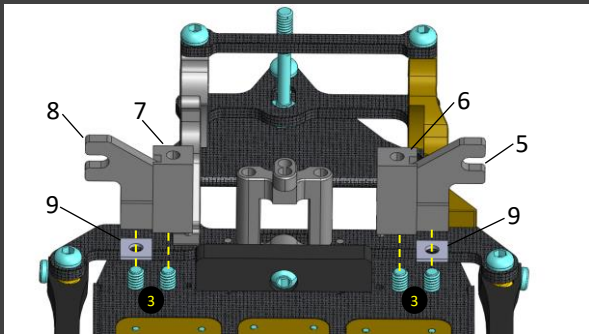
08 –SUSPENSION



08 – ASSEMBLY TIPS



08 –SUSPENSION

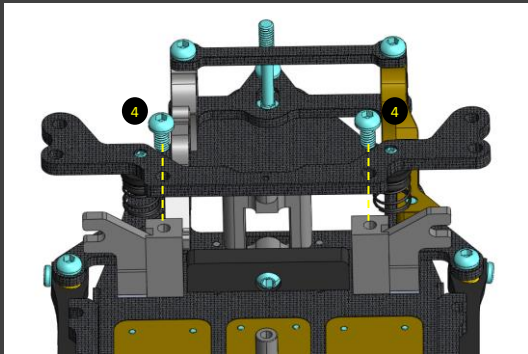


XB1-065

NOTE: USE THIS PART TO ADJUST THE
HEIGHT OF THE MOUNTING POINTS,
CHANGE THE BODY HEIGHT.
OPTIONAL: 0.5MM



08 –SUSPENSION



BAG 8 – CONTENT

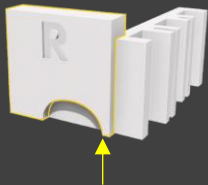
PARTS

1	XB-150	Damper Plate
2	XB-M-S-SF	Medium Springs for Side and Simple Front
3	O-ring	O-ring 3x5x1mm
4	XB1-091	Side Spring Tentioner
5	XB1-034-R	Hard Body Mount Right
6	XB1-033-R	Side Body Tower Right
7	XB1-033-L	Side Body Tower Right
8	XB1-034-L	Hard Body Mount Left
9	XB1-065-1	Riser Shim

BOLTS

1	X-SSS-2-5	Set screw M2x5mm
2	X-WSH-2-4-0.5	Shim 2x4x0.5
3	X-FHS-2-4	M2x4mm
4	X-RHS-2-4	M2X4mm

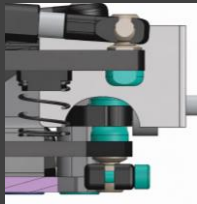
08 – SETUP TIPS



USE THE MARKER TOOL TO
MAKE A CUT ON THE
BODY SUPPORT



XB1-MRT



REAR VIEW OF THE
RIGHT SIDE

DUE TO THE FACT THAT BODY CLIPS HAVE
DIFFERENT MEASURES, MAKE SURE THE CLIP IS
ATTACHED TO THE BODY SHELL BEFORE
MAKING THE MAKING

SPRING CHART

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

OPTIONAL SIDE SPRINGS*

SPRING

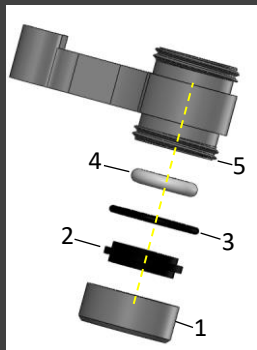
SOFTER	LESS REACTIVE REDUCE ON – POWER STEERING
STIFFER	MORE REACTIVE IMPROVE ON – POWER STEERING

NOTE: THE SIDE SPRINGS AND THE SF FRONT
SPRINGS ARE THE SAME. (XB-M-S-SF)

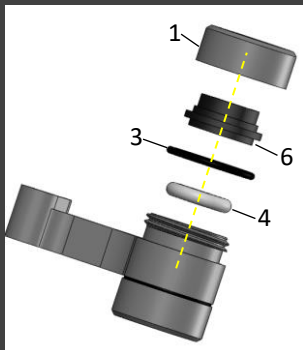
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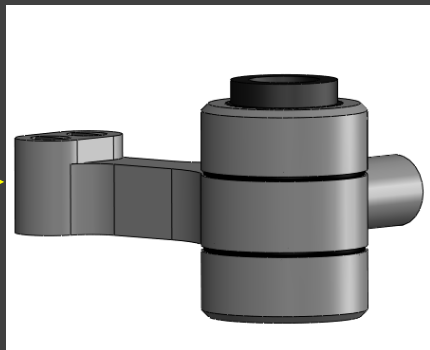
09 – KNUCKLE



STEP 1



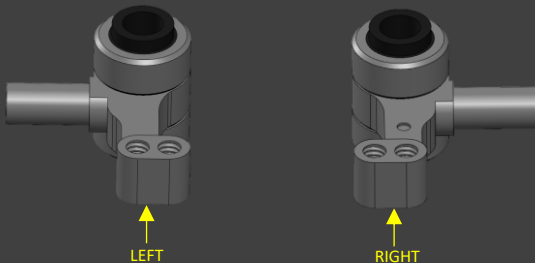
STEP 2



FINAL

NOTE: SIMILARLY FOR THE RIGHT SIDE.

09 – KNUCKLE



BAG 09 - CONTENT

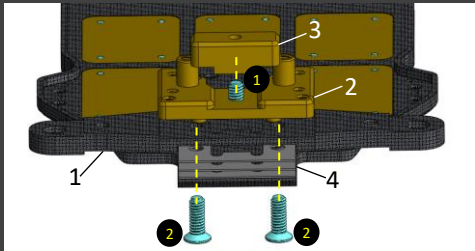
PARTS

1	XB-130	Knuckle Cap
2	XB-136	Lower Knuckle Bushing
3	XB-158	O-ring 4x5x0.5mm
4	XB-157	O-ring 3x5x1mm
5	XB-128	Left Knuckle Housing
6	XB-137	Upper Knuckle Bushing

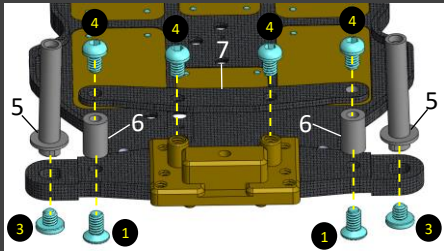
NOTE: REPEAT THE SAME PROCEDURE FOR THE RIGHT-HAND SIDE



10 – FRONT



STEP 1



STEP 2

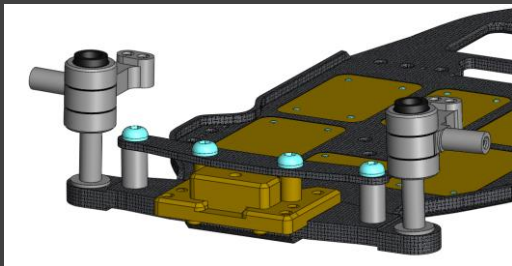
FRONT RIDE HEIGHT SHIMS: ADDING MORE SHIMS LOWERS THE RIDE HEIGHT, WHILE REMOVING SHIMS RAISES IT.



Stainless Steel Ride Height Plate 0.2 mm

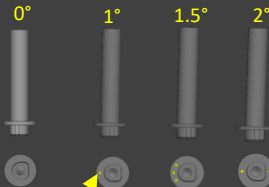


10 – FRONT



STEP 3

CAMBER OPTIONAL:



STANDARD

THE DOTS ARE USED TO IDENTIFY
DIFFERENT CAMBER AND CASTER ANGLES.

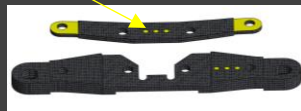
CASTER OPTIONAL:



CASTER 0°
STANDARD

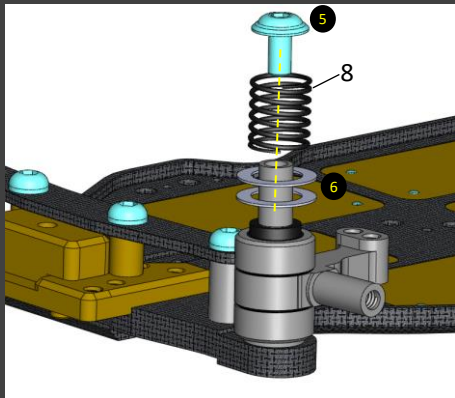


CASTER 1.5°



CASTER 3°

10 – FRONT



STEP 4

NOTE: SIMILARLY FOR THE RIGHT - HAND SIDE.

BAG 10 - CONTENT

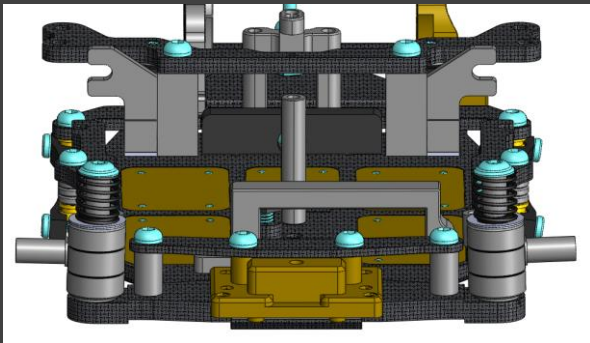
PARTS

1	XB-141	Caster Plate
2	XB-148	Front Buckle
3	XB-149	Front Weight
4	XB-156	Stainless Steel Ride Height Plate 0.2 mm
5	XB-133	1.5 Degree Camber
6	XB-144	Pillars
7	XB-143	Caster Plate
8	XB-M-S-SF	Medium Springs for Side and Simple Front



10 – FRONT

BAG 10 - CONTENT



FINAL

BOLTS

1	X-FHS-2-4	M2x4mm
2	X-FHS-2-6	M2x6mm
3	X-SBS-2-2	M2x2mm
4	X-RHS-2-3	M2x3mm
5	X-SRHS-2-4	M2x4mm
6	X-WSH-4.5-7-0.2	Shim 4.5x7x0.2



10 – ASSEMBLY TIPS SPARE PART

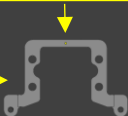
OPTIONAL PART:

No shims. →



THE DOTS ARE USED TO IDENTIFY
DIFFERENT CHASSIS STIFFENER.

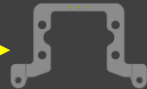
1 shim. →



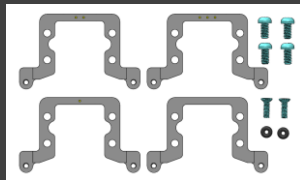
2 shims. →



3 shims. →

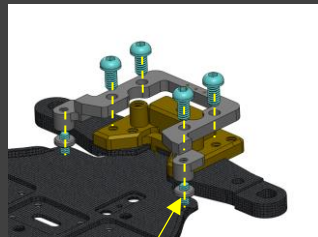


NOTE: USE 1 TO 3 ADDITIONAL SHIMS IF NECESSARY.



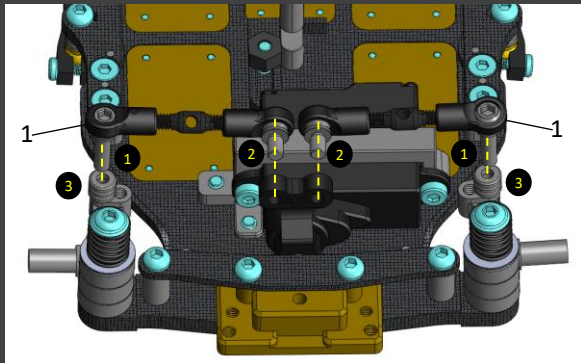
XB-160

Xbility Front Flex Control:

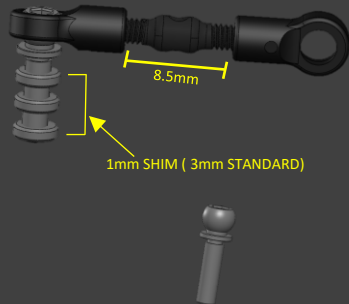


Install with a washer for fixed front flex, an O-ring for medium front flex, or without either for maximum front flex.

11 – STEERING LINKS

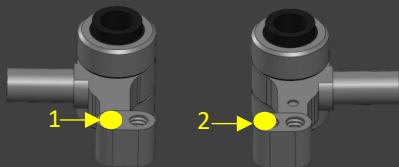


11 – ASSEMBLY TIPS



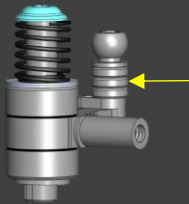
OPTIONAL: Titan Pivot Ball 7mm (X-PVB-7-Ti)

11 – SETUP TIPS



1	STANDARD POSITION LESS ACKERMANN
2	LESS AGGRESSIVE MORE ACKERMANN

BAG 11 - CONTENT



PARTS

1	XB1-019	Servo Link
---	---------	------------

BOLTS

1	X-PVB-7-SUS	Steel Pivot Ball 7mm
2	X-PVB-3-SUS	Steel Pivot Ball 3mm
3	X-WSH-2-3.5-1	Shim 2x3.5x1mm

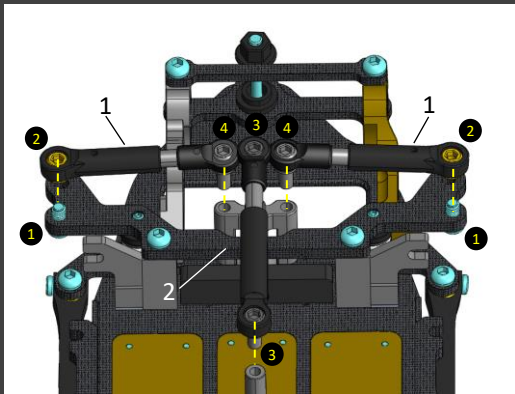
LESS SHIMS, THE CAR BECOMES MORE
RESPONSIVE IN – CORNER STEERING



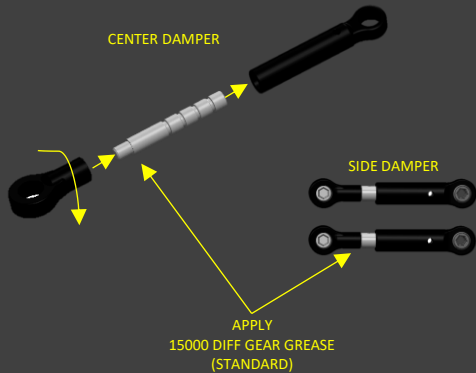
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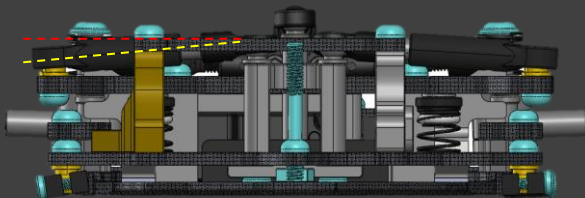
12 – DAMPERS



12 – ASSEMBLY TIPS



12 – SETUP TIPS



GREASE

HIGH GRIP

USE HARDER GREASE

LOW GRIP

USE SOFTER GREASE

ANGLE

MORE ANGLE

STIFFER FEELING LESS ROLL

MORE FLAT

SOFTER FEELING MORE ROLL

BAG 12 – CONTENT

PARTS

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

BOLTS

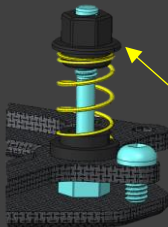
1	X-RHS-2-4	M2x4mm
2	X-PVB-F-SUS	Steel Female Pivot Ball
3	X-PVB-3-SUS	Steel Pivot Ball 3mm
4	X-PVB-4-SUS	Steel Pivot Ball 4mm



13 – REAR SPRING



13 – SETUP TIPS



TIGHTENING

INCREASES RIDE HEIGHT
REDUCES DROOP

LOOSENING

DECREASES RIDE HEIGHT
INCREASES DROOP

IMPORTANT: AT THIS STAGE, TIGHTEN THE NUT ONLY LIGHTLY. THE FINAL RIDE HEIGHT ADJUSTMENT WILL BE MADE AT THE END OF THE ASSEMBLY PROCESS.



13 – SETUP TIPS

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

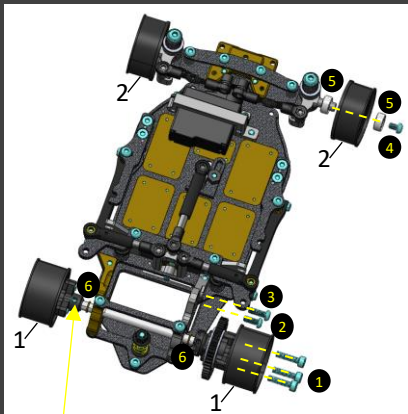
OPTIONAL REAR SPRINGS*

BAG 13 – CONTENT

PARTS	1	XB1-052	Rear Shock Guide
	2	XB1-041-R	Hard Rear Spring



14 – FINAL ASSEMBLY



NOTE: WHEN TIGHTENING THE DIFF WHEEL HUB 1 ONTO THE DIFFERENTIAL SHAFT, LEAVE A SLIGHT AMOUNT OF AXIAL CLEARANCE. DO NOT PRELOAD THE BEARING, AS THIS CAN DAMAGE IT AND NEGATIVELY AFFECT THE CAR'S PERFORMANCE.

14 – CONSIDERATIONS

Optional Soft-Pack Battery Adapter

Eccentric Battery



XB1-064

Center Battery



XB1-063

OPTIONAL



IF YOU USE THE 14MM RIM
USE THE SHORTER SCREWS



FLANGE RIM 22.8MM



NEXT PAGE

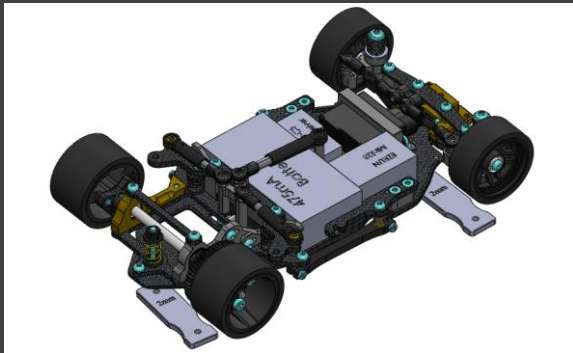


BAG 14 – CONTENT

PARTS	1	XB1-061-11+3	11+3 Rear Rim
	2	F8.5-0	Front Rim

BOLTS	1	X-SHS-2-8	M2x8mm
	2	X-RHS-2-5	M2x5mm
	3	X-RHS-2-6	M2x6mm
	4	X-RHS-2-4	M2x4mm
	5	X-RDB-3-6-2.5	3x6x2.5mm Bearing
	6	X-WSH-3-5-0.5	Shim 3x5x0.5mm

SETUP CONSIDERATIONS



HEIGHT MEASURES:

PLEASE MAKE SURE YOU
MAKE THE READING BELOW
THE REAR AND FRONT WHEEL AXLE



XB-155



OUR LINKS

NOTE: AFTER INSTALLING ALL THE ELECTRONICS, USE THIS TOOL TO SET THE CORRECT RIDE HEIGHT. ADJUST THE REAR SPRING PRELOAD BY TIGHTENING OR LOOSENING THE SPRING UNTIL THE DESIRED RIDE HEIGHT IS ACHIEVED.

