WILLSPEED FAST FOX XB2 CONVERSION KIT

ASSEMBLY INSTRUCTIONS

FAST FOX

INTRODUCTION

WILLSPEED PROUDLY WELCOMES YOU TO FAST FOX!

THE FOLLOWING MANUAL IS AN ASSEMBLY GUIDE FOR THE FAST FOX CONVERSION.
TO COMPLETE THE FULL ASSEMBLY YOU WILL NEED A XRAY XB2 (24, 25, 26 SPEC) DONOR VEHICLE.
WE SUGGEST IT'S BEST PRACTICE TO COMPLETE THE FULL XRAY XB2 ASSEMBLY THEN CONVERT ONTO THE FAST FOX CHASSIS SET FOLLOWING THIS MANUAL.

REVOLUTION STARTS HERE!
INNOVATION NEVER STOPS AND AS REFINEMENT CONTINUES IN MODEL CAR RACING, AN ALTERNATE STEP IS REQUIRED TO BRING THE NEXT STAGE, THE NEW ERA.

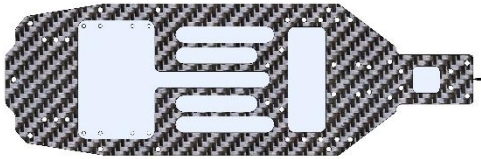
WE AT WS PRIDE OUR SELVES IN BOTH INNOVATIVE THINKING AND ENGINEERING ABILITY, COMBINING THOSE ENTITIES FAST FOX WAS BORN.

WE ARE HERE TO SUPPORT, ANY PROBLEMS, QUESTIONS, ENQUIRIES PLEASE CONTACT SALES@WILLSPEED.CO.UK

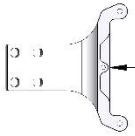
FINALLY A PERSONAL THANK YOU FOR YOUR PURCHASE. WE ARE PASSIONATE ABOUT MODEL CAR RACING, THE INVOLVED COMMUNITY AND AIM TO ENSURE OUR PRODUCTS ONLY ENHANCE YOUR RACING EXPERIENCE!

WILL (WILLSPEED) ADAM (WILLSPEED) MARK (WILLSPEED) IAN (FOX SUSPENSION)

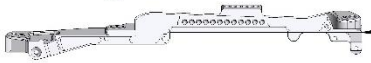
KIT CONTENTS



W3149 - WS Fast Fox XB2 Carbon Chassis **(1)**



W3152 - WS Fast Fox XB2 Billet Aluminium Chassis Kick Up Section **(1)**



W3151 - WS Fast Fox XB2 Billet Aluminium Chassis Rail - RH **(1)**



W3150 - WS Fast Fox XB2 Billet Aluminium Chassis Rail - LH **(1)**



W3135L - WS Fast Fox Front Carbon Rocker Plate - LH **(1)**



W3135R - WS Fast Fox Front Carbon Rocker Plate - RH **(1)**



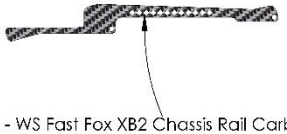
W3136L - WS Fast Fox Rear Carbon Rocker Plate - LH **(1)**



W3136R - WS Fast Fox Rear Carbon Rocker Plate - RH **(1)**



W3154 - WS Fast Fox XB2 Carbon Wing Plate **(1)**



W3153 - WS Fast Fox XB2 Chassis Rail Carbon Inlay **(2)**



M3X6 Countersunk Screw **(9)**



M3X12 Countersunk Screw **(2)**



M3X5 Button Head Screw **(4)**



M3X8 Button Head Screw **(8)**



M3X14 Button Head Screw **(6)**



M3X16 Button Head Screw **(4)**



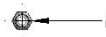
M3X18 Button Head Screw **(4)**



M3X16 Grub Screw **(4)**



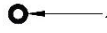
4X8X3 Bearing **(8)**



M3 Nyloc Nut **(12)**



W3139 3X7.5X2 Spacer **(2)**



4mm Spacer **(8)**

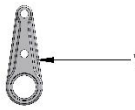


W3140 M3 Ball Joint **(8)**

W3143 WS Fast Fox Rocker Pivot Crush Washer **(4)**



W3131 - WS Fast Fox Rocker Post **(4)**



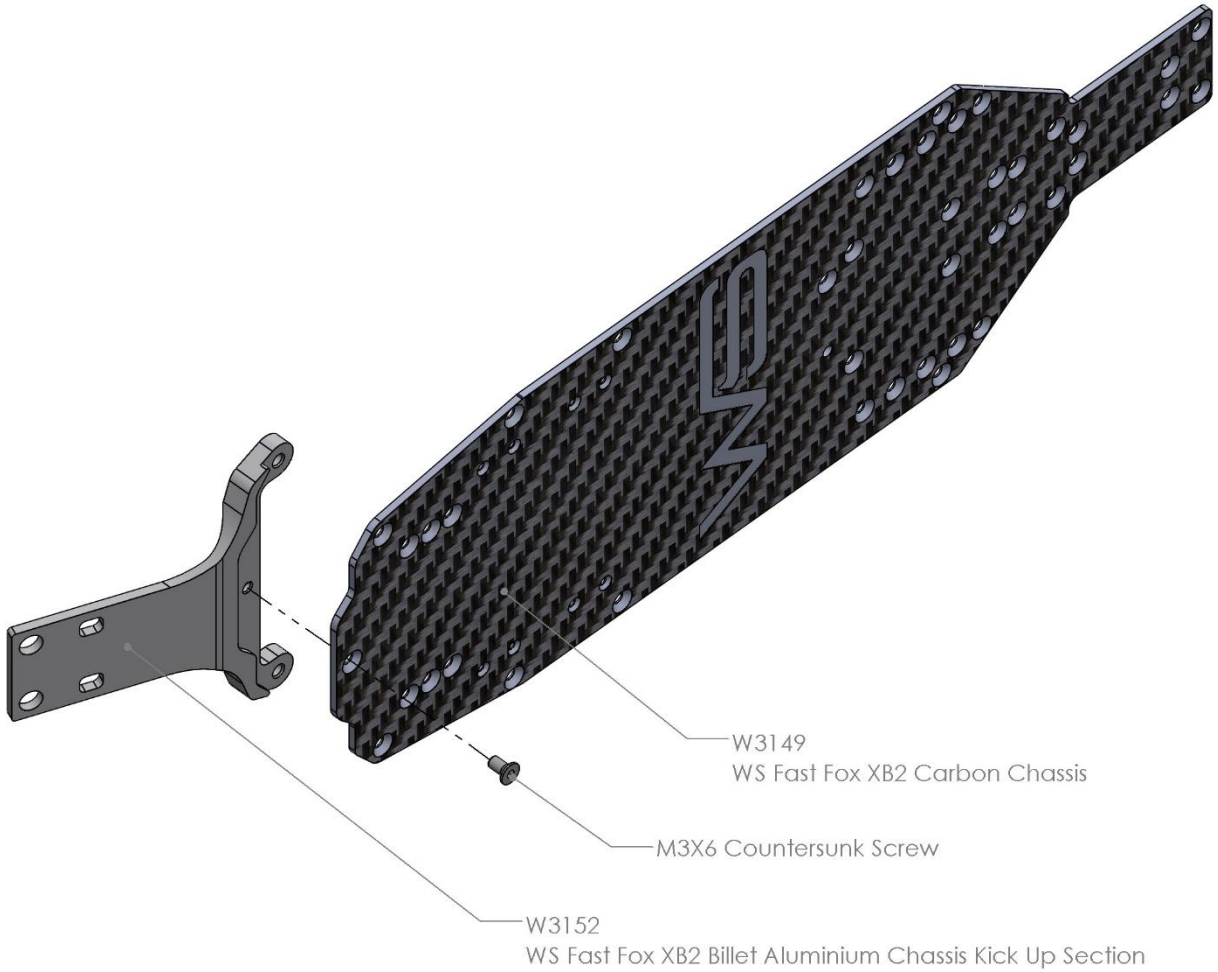
W3132 - WS Fast Fox Rocker Pivot **(4)**

W3158 - WS Fast Fox XB2 "Formula" Bodyshell Standard Weight **(1)**

W3146 - WS Fast Fox Decal Sheet **(1)**

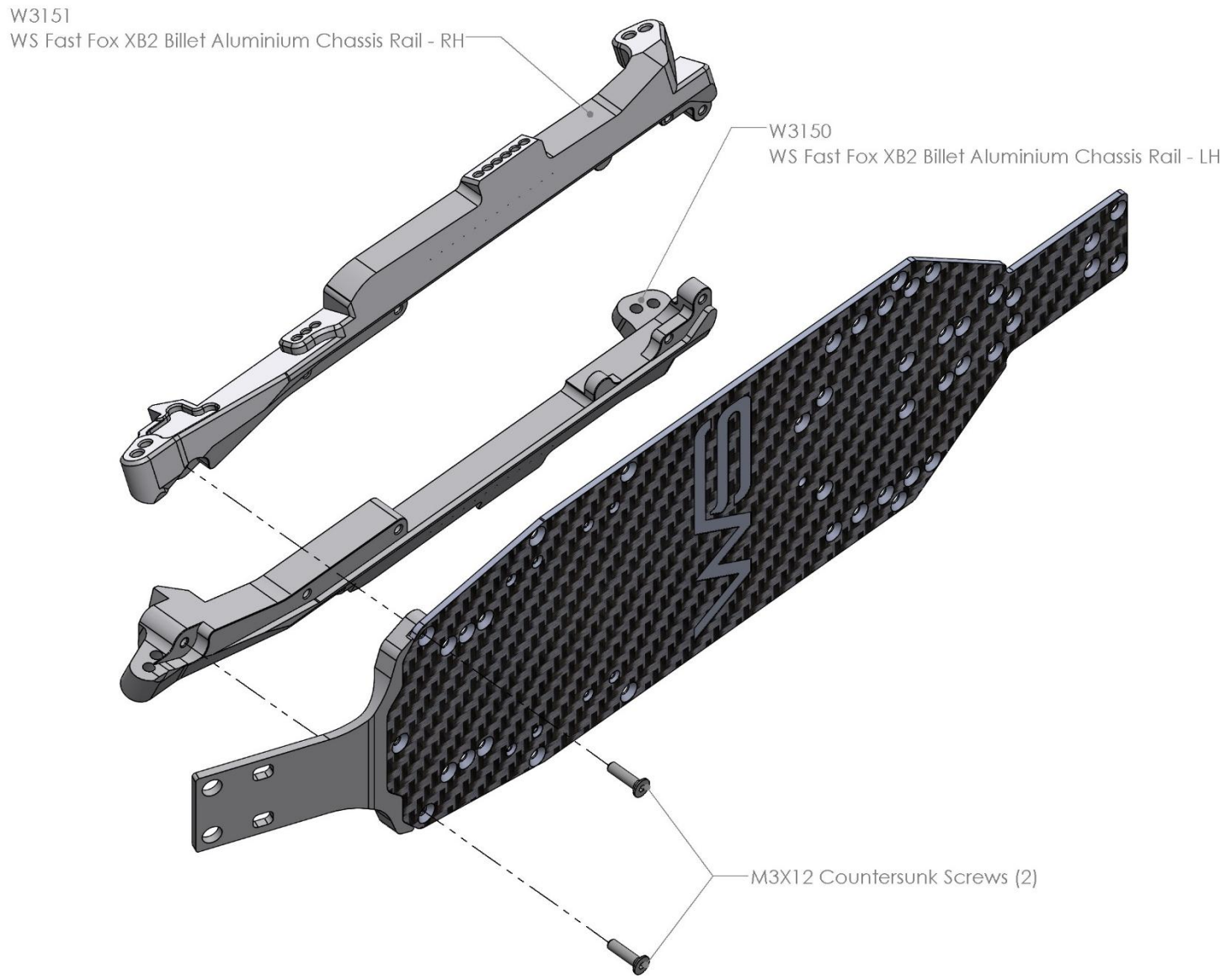
FAST FOX

STEP 1



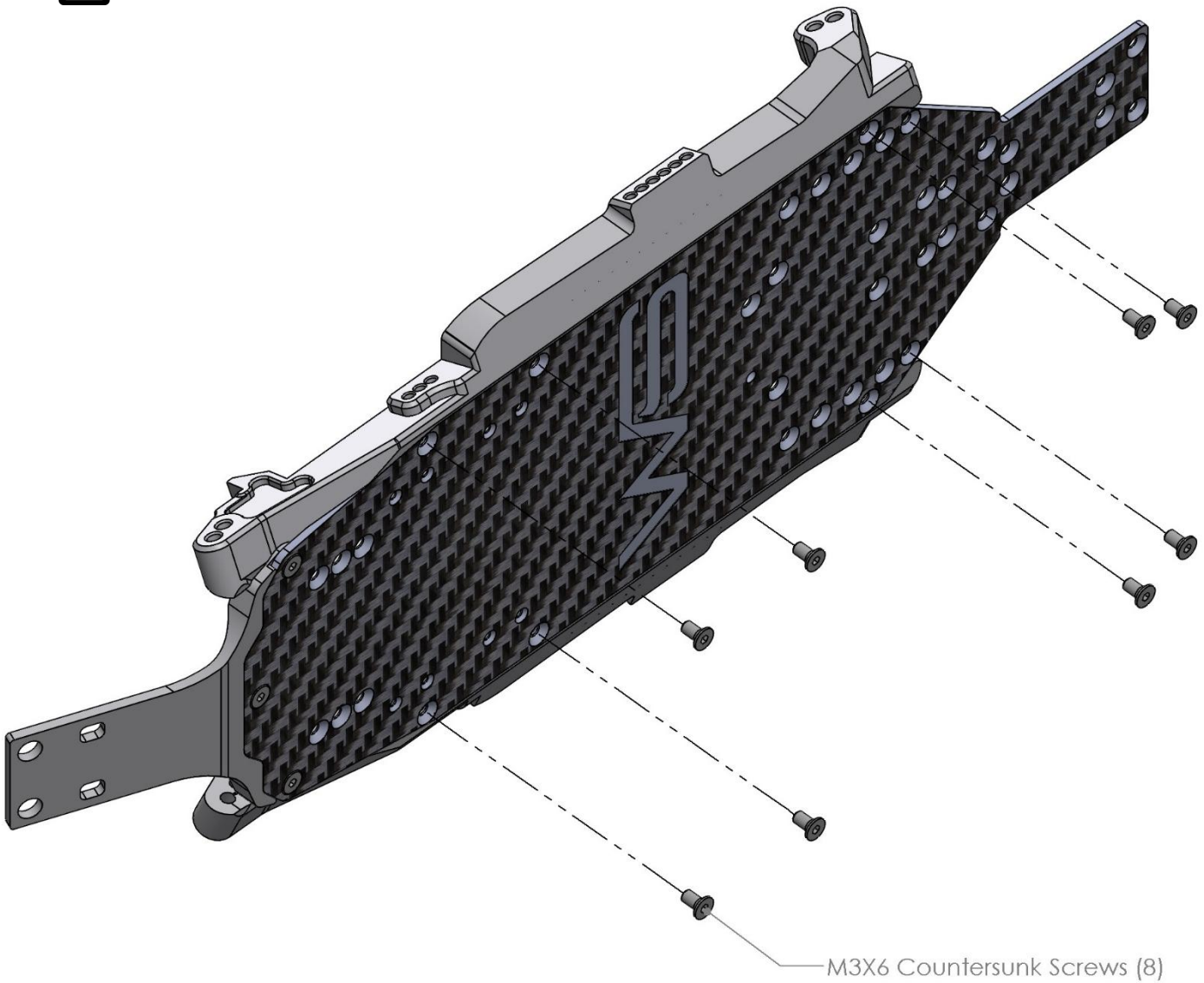
FAST FOX

STEP 2



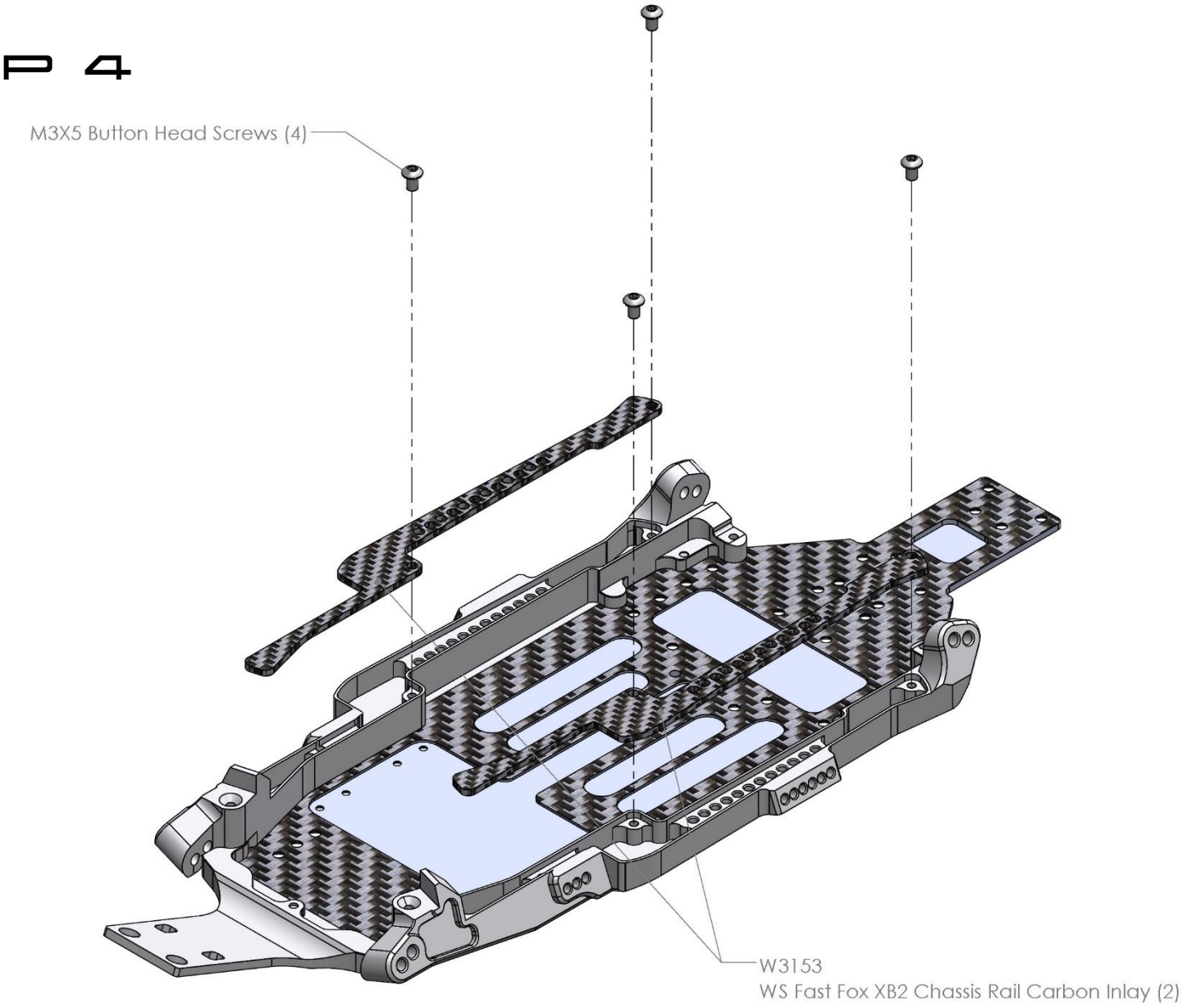
FAST FOX

STEP 3



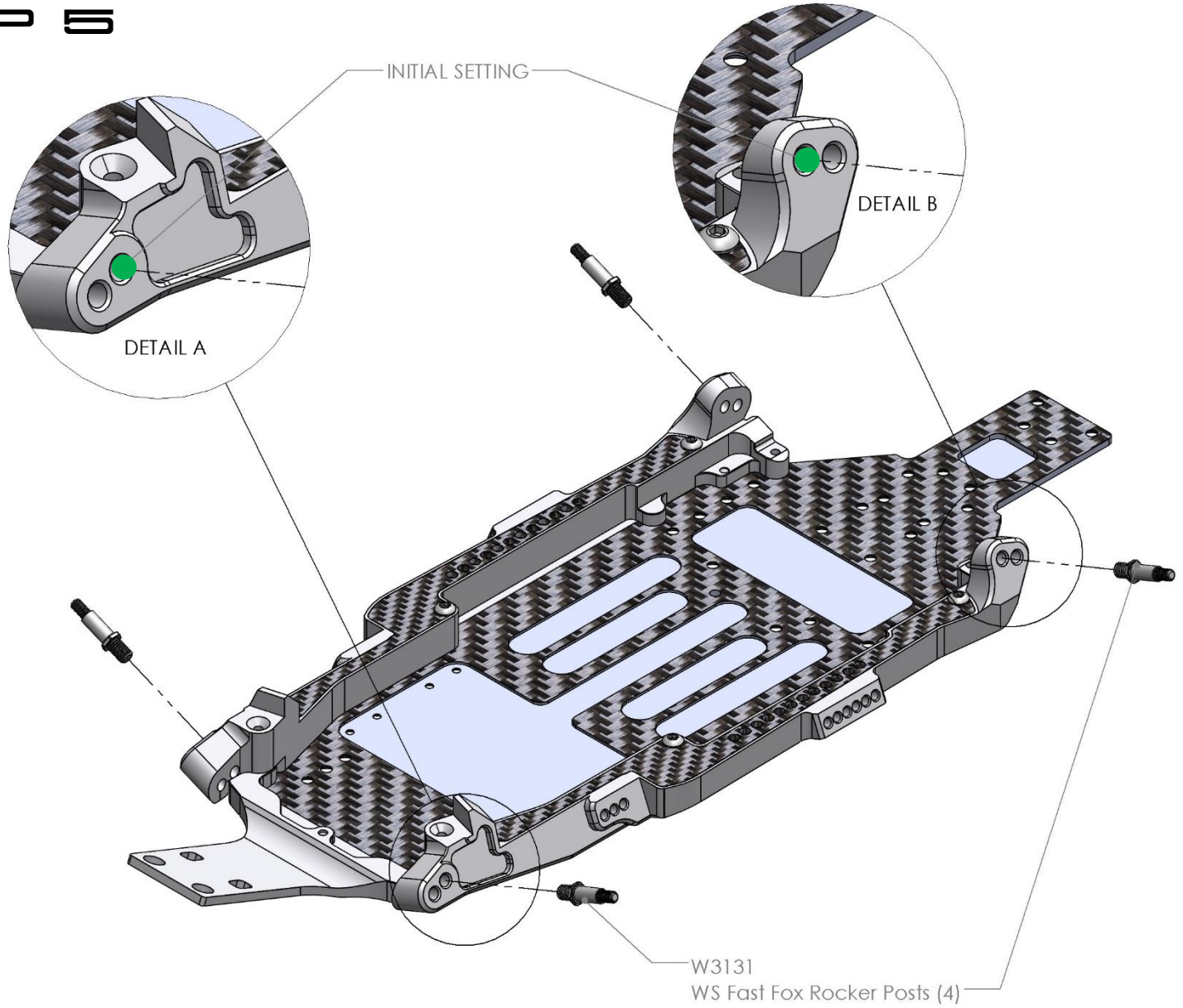
FAST FOX

STEP 4



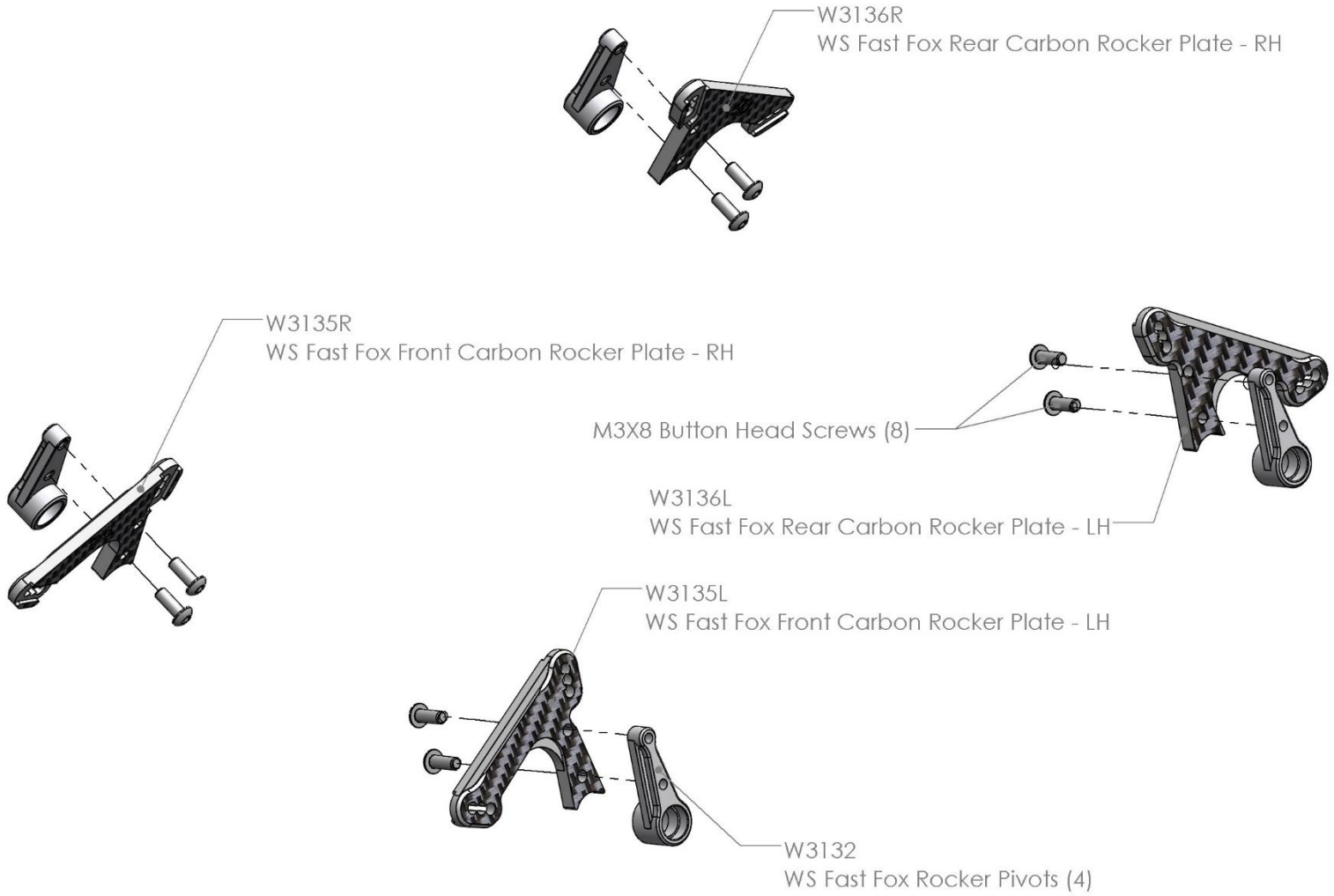
FAST FOX

STEP 5

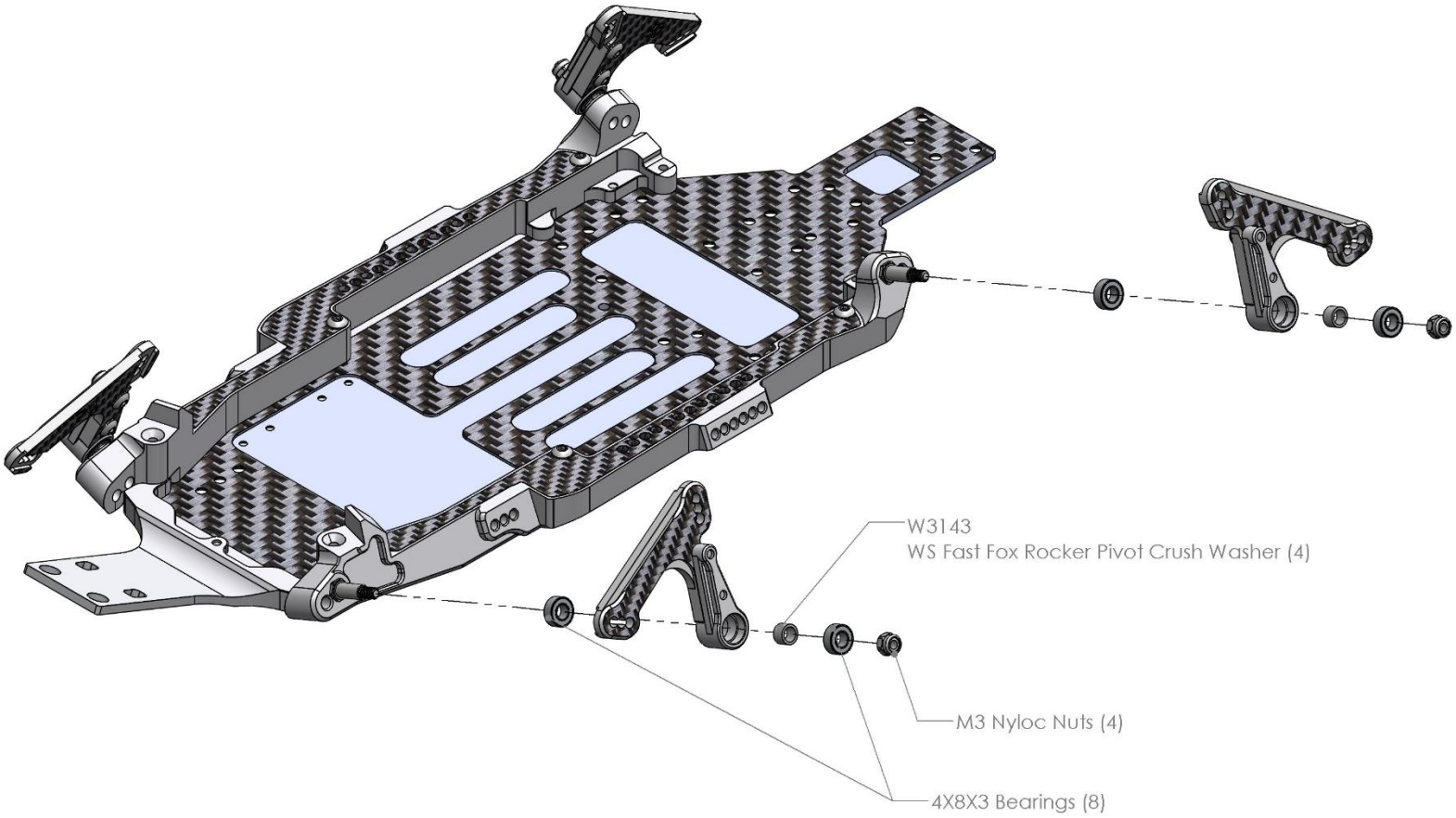


FAST FOX

STEP 6

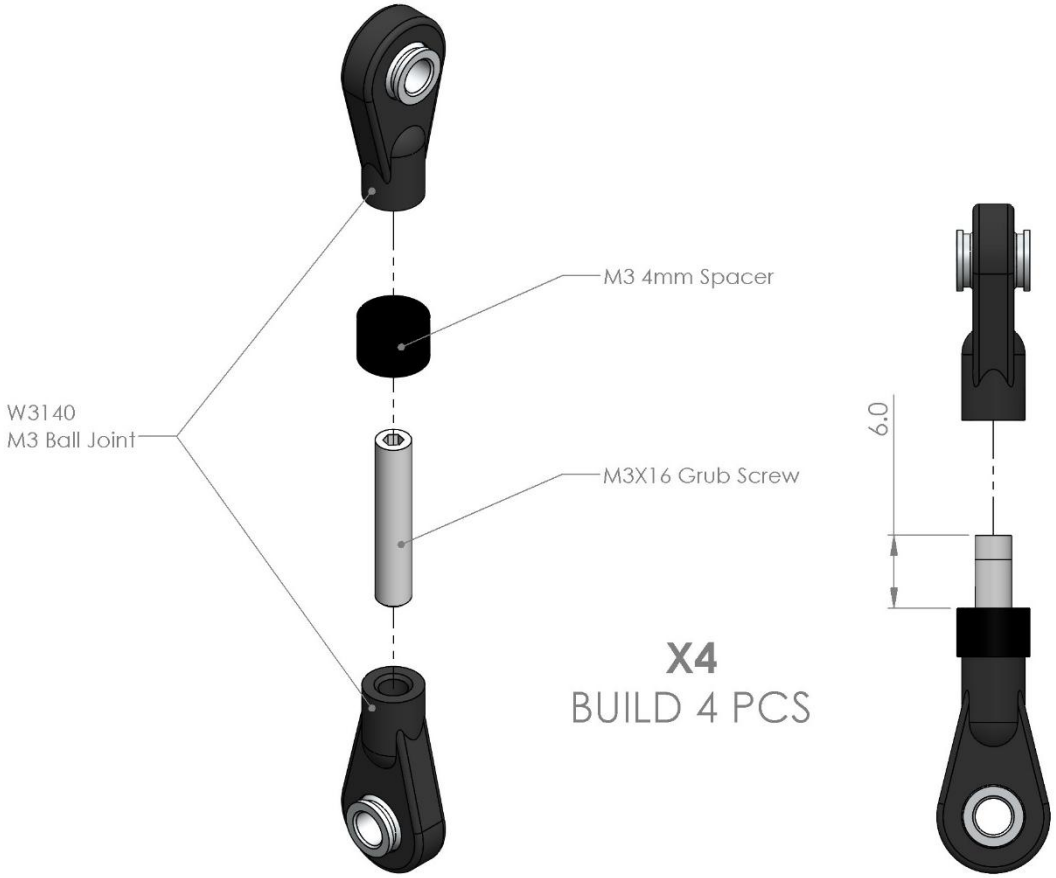

W3136R
WS Fast Fox Rear Carbon Rocker Plate - RH
W3135R
WS Fast Fox Front Carbon Rocker Plate - RH
M3X8 Button Head Screws (8)
W3136L
WS Fast Fox Rear Carbon Rocker Plate - LH
W3135L
WS Fast Fox Front Carbon Rocker Plate - LH
W3132
WS Fast Fox Rocker Pivots (4)

STEP 7



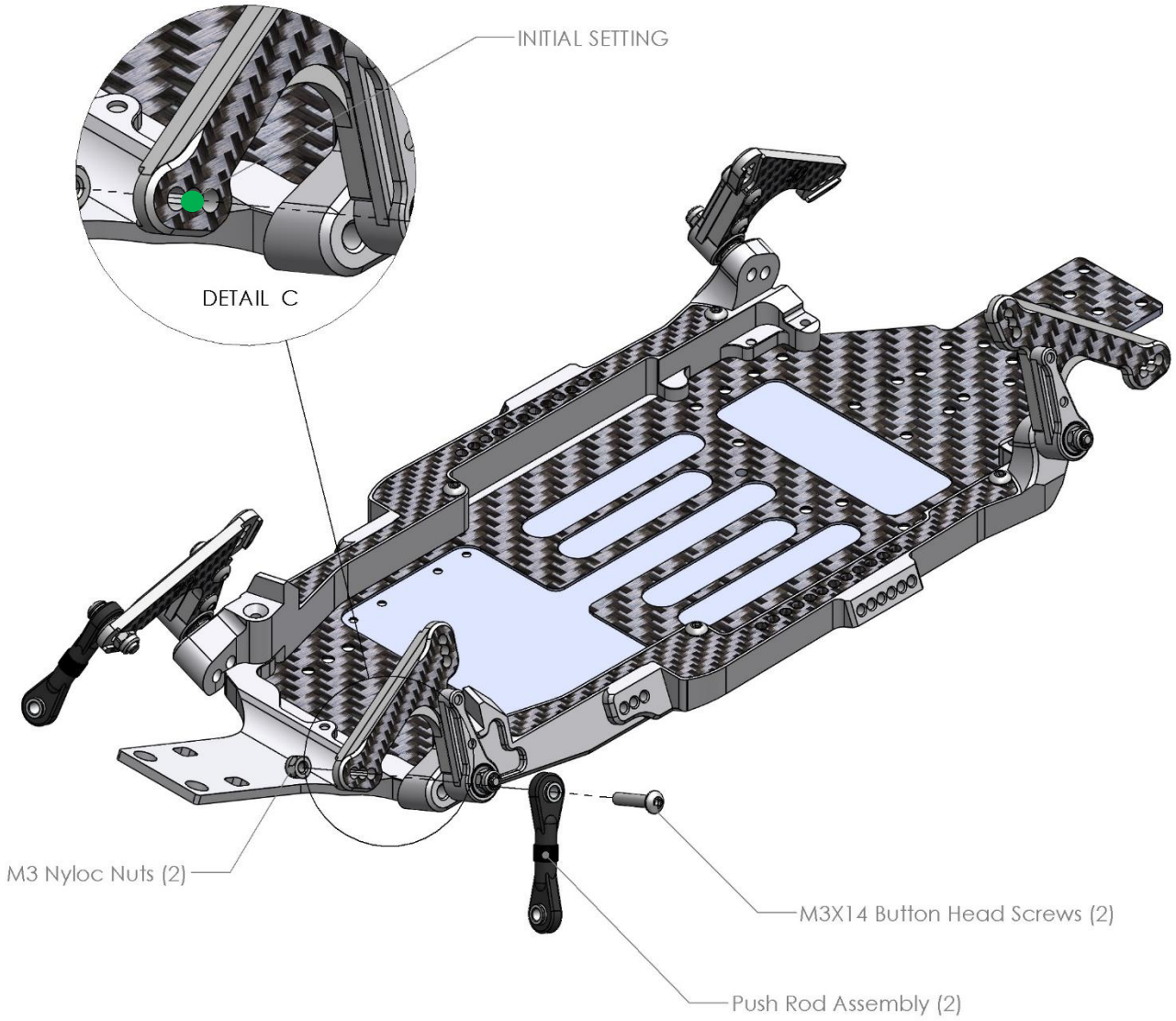
FAST FOX

STEP 8



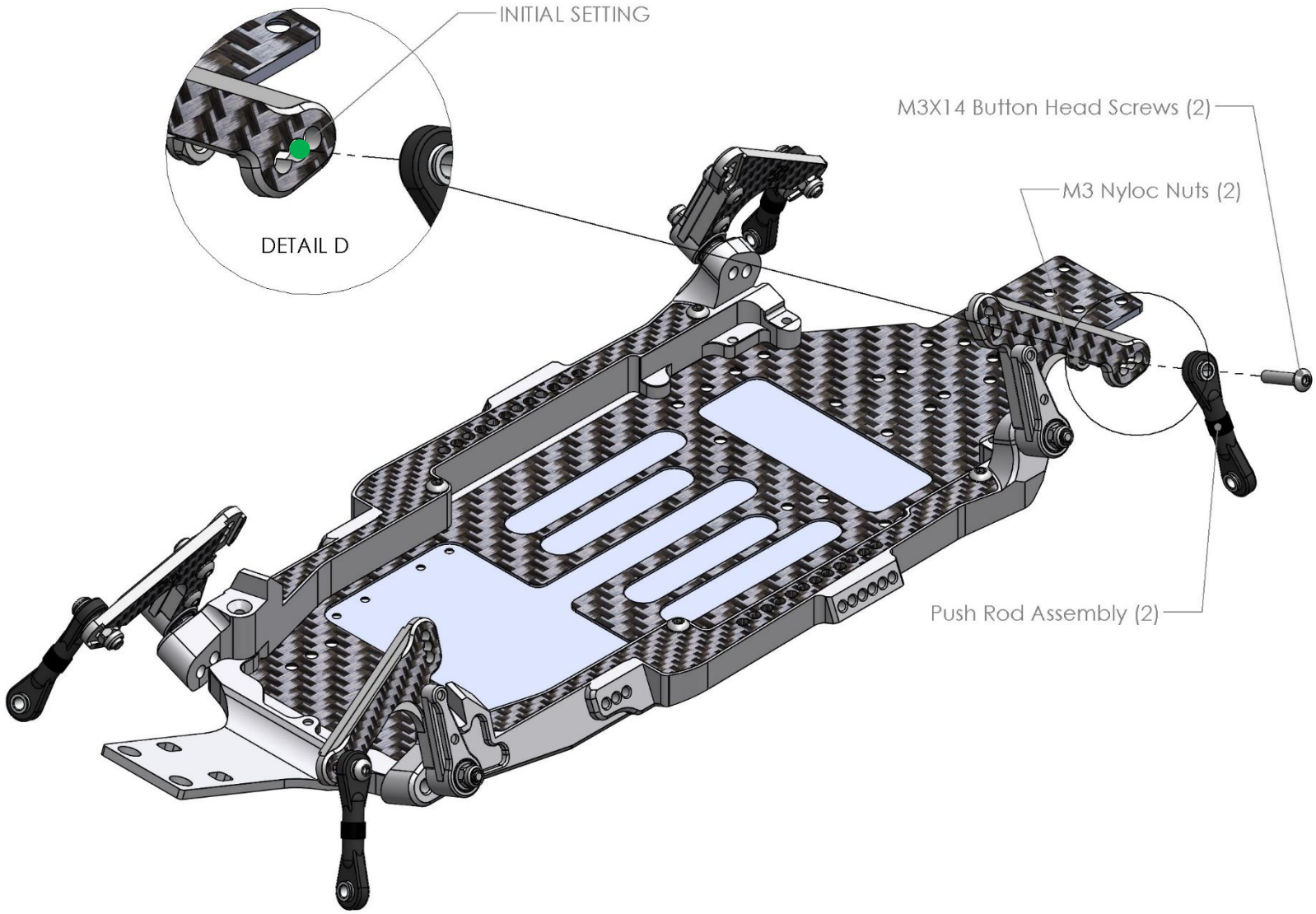
FAST FOX

STEP 9



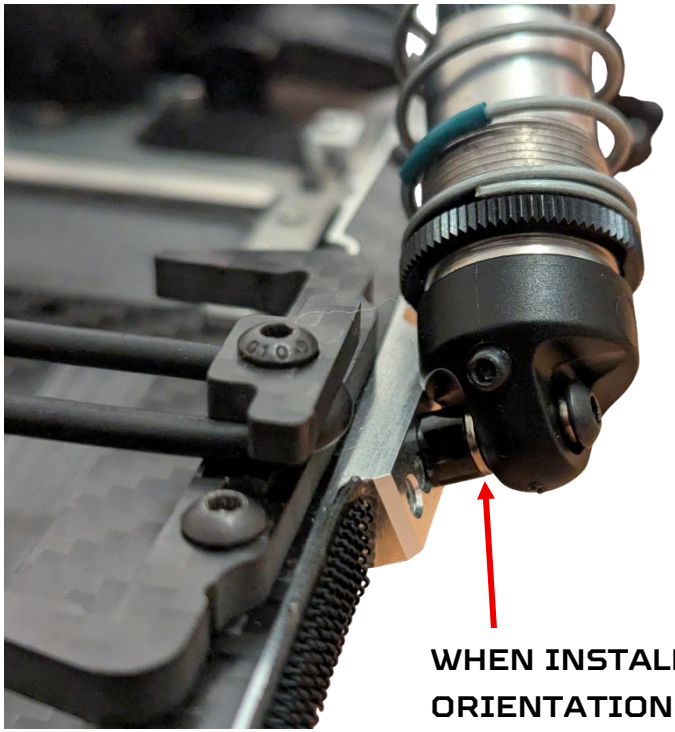
FAST FOX

STEP 10



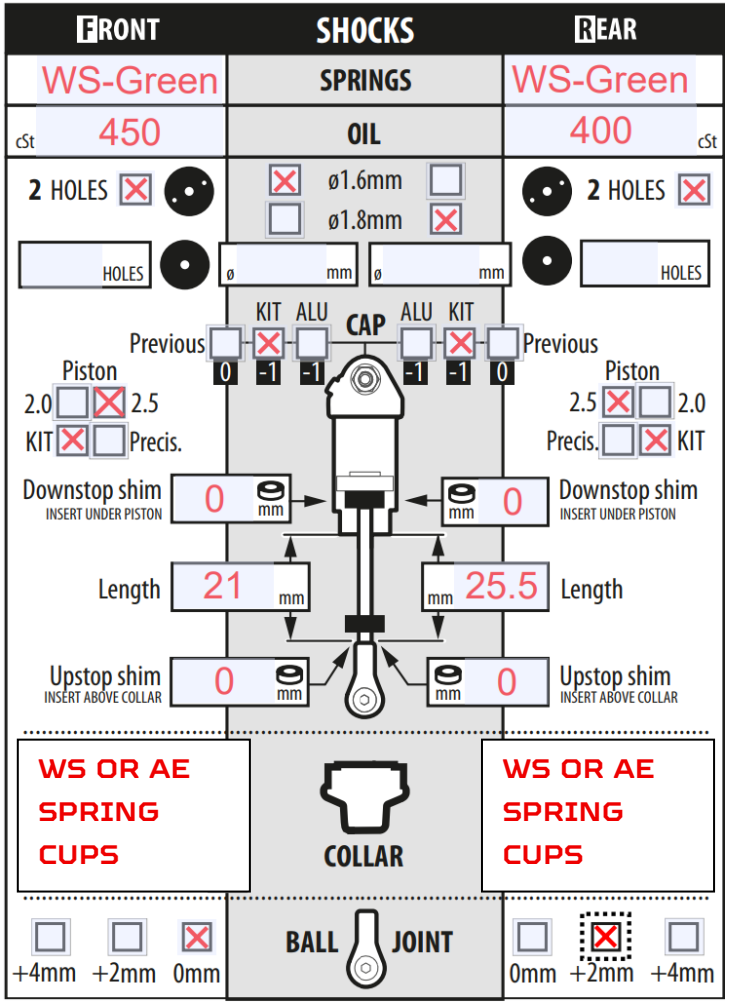
FAST FOX

STEP 11



WHEN INSTALLING DAMPERS - NOTE ORIENTATION OF SHOCK TOP HAT BUSHING – FLANGE SIDE AGAINST RAIL.

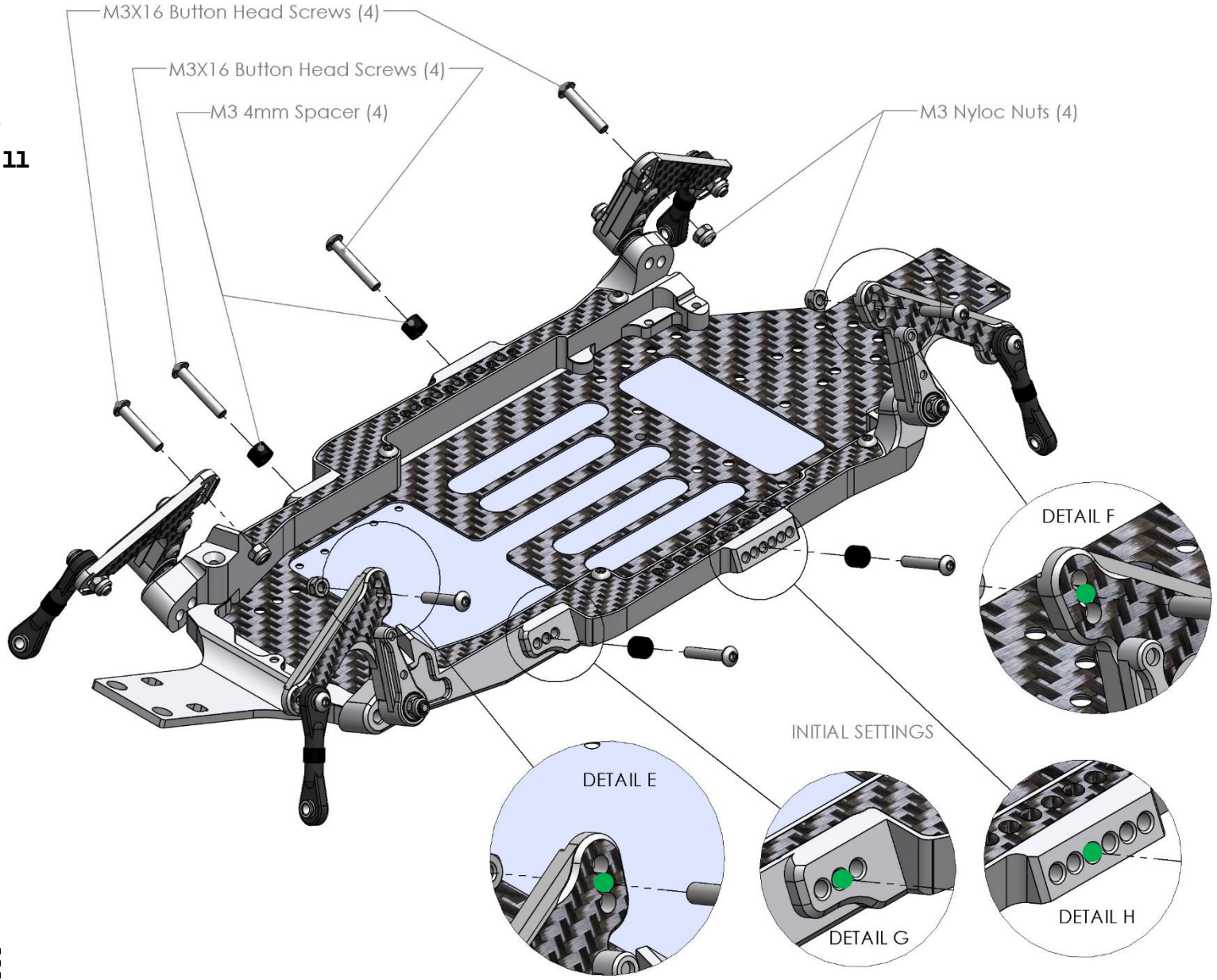
BASE CARPET SHOCK SETTING SHOWN IN TABLE.



FAST FOX

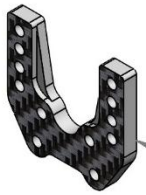
STEP 12

ASSEMBLE DAMPERS COMPLETED IN STEP 11 ONTO CHASSIS WITH HARDWARE SHOWN HERE IN STEP 12.



FAS

STEP 13

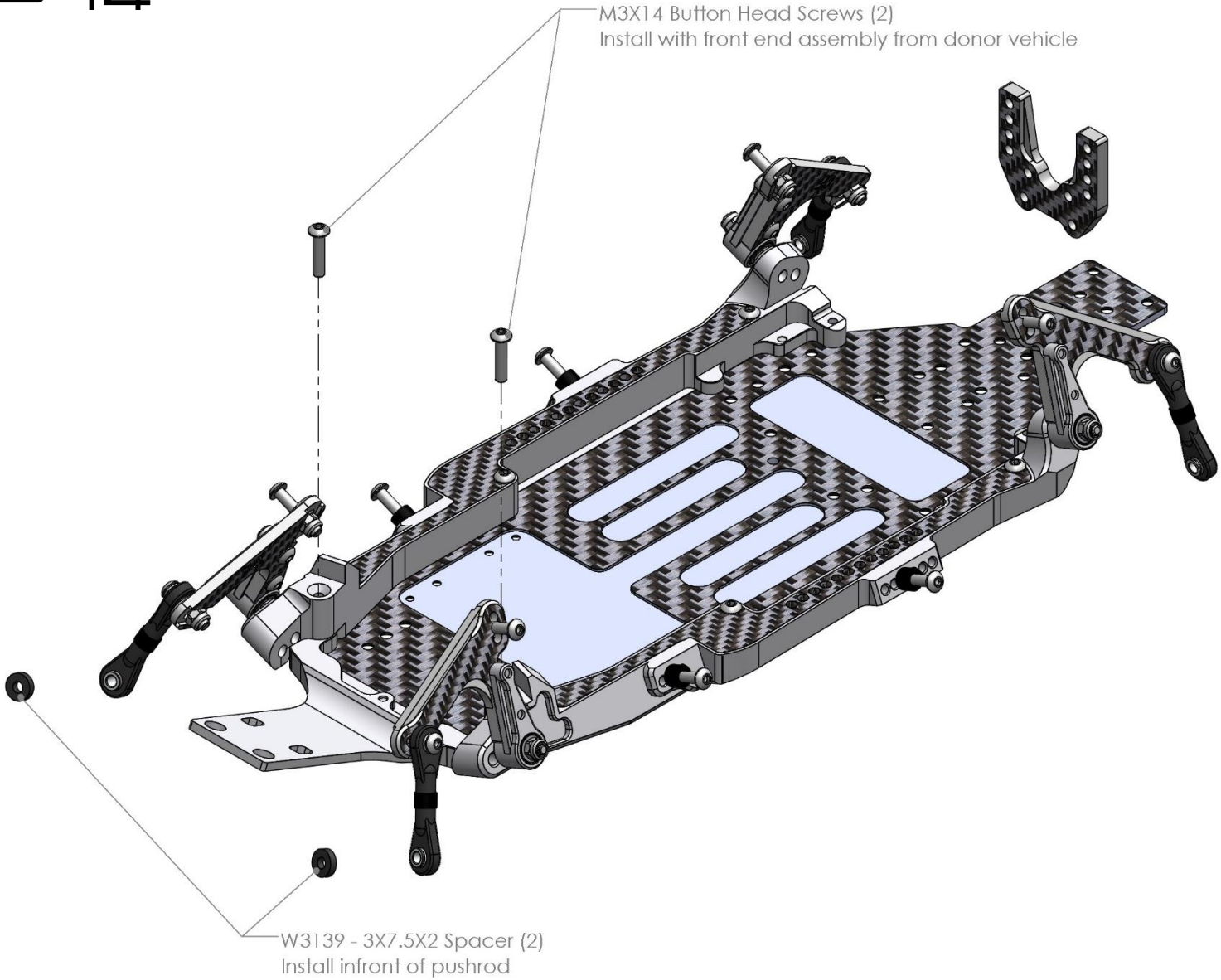


W3154 - WS Fast Fox XB2 Carbon Wing Plate

Replace XRAY #323094 / #323093 Rear Shock Tower
with W3154 - WS Fast Fox XB2 Carbon Wing Plate

FAST FOX

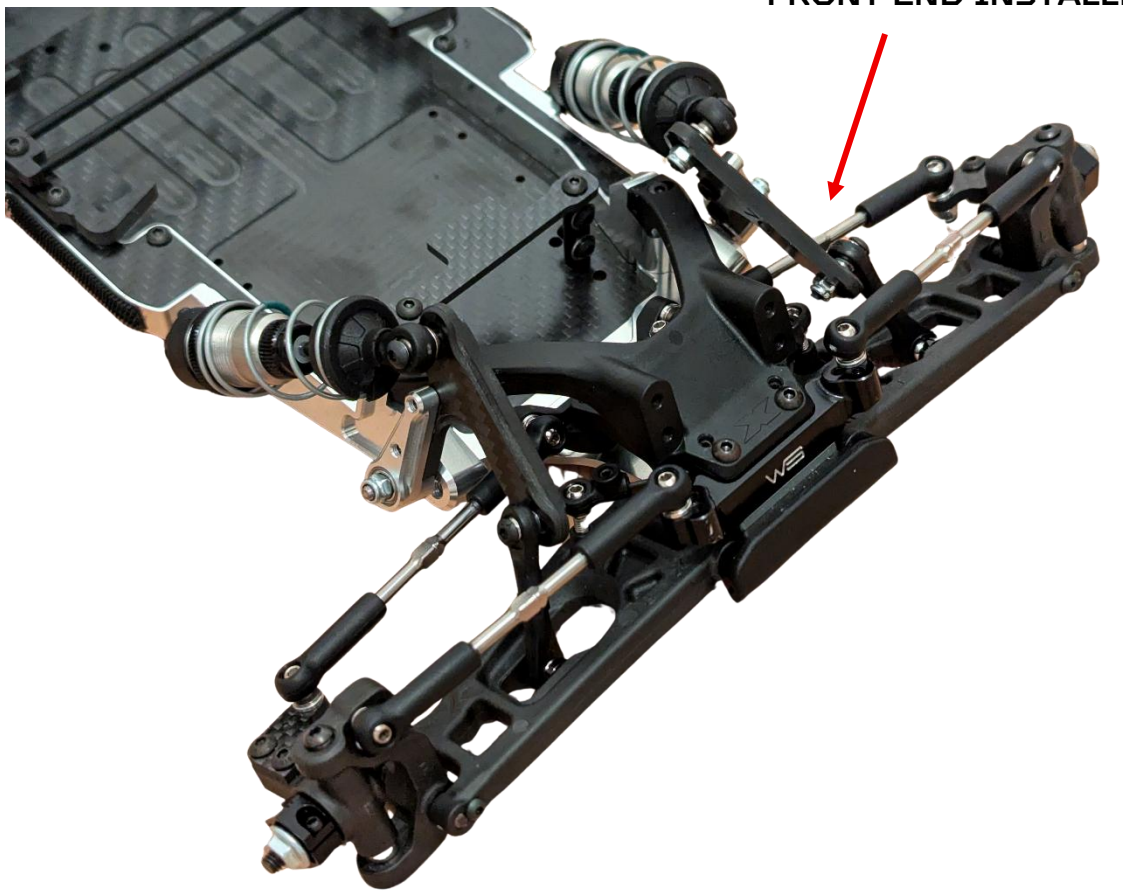
STEP 14

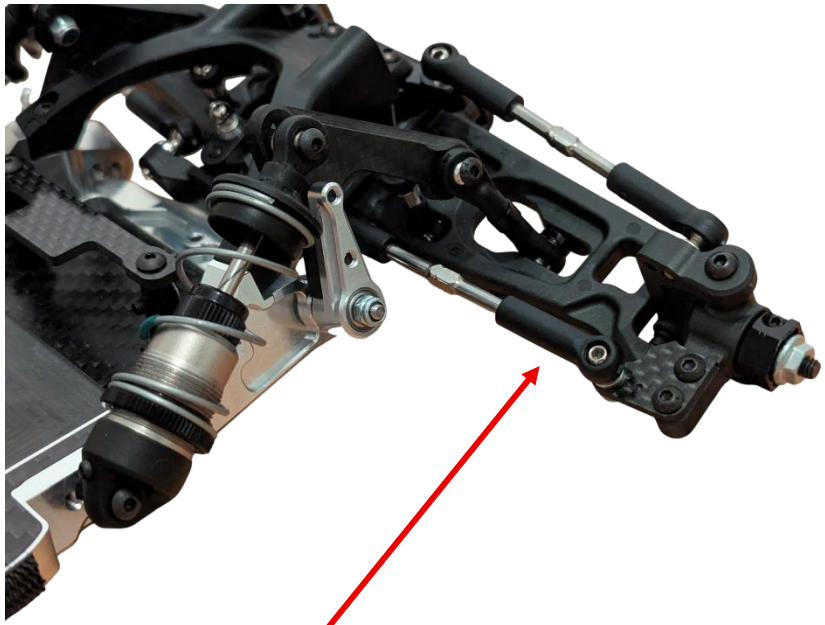


FAST FOX

STEP 15

FRONT END INSTALLED





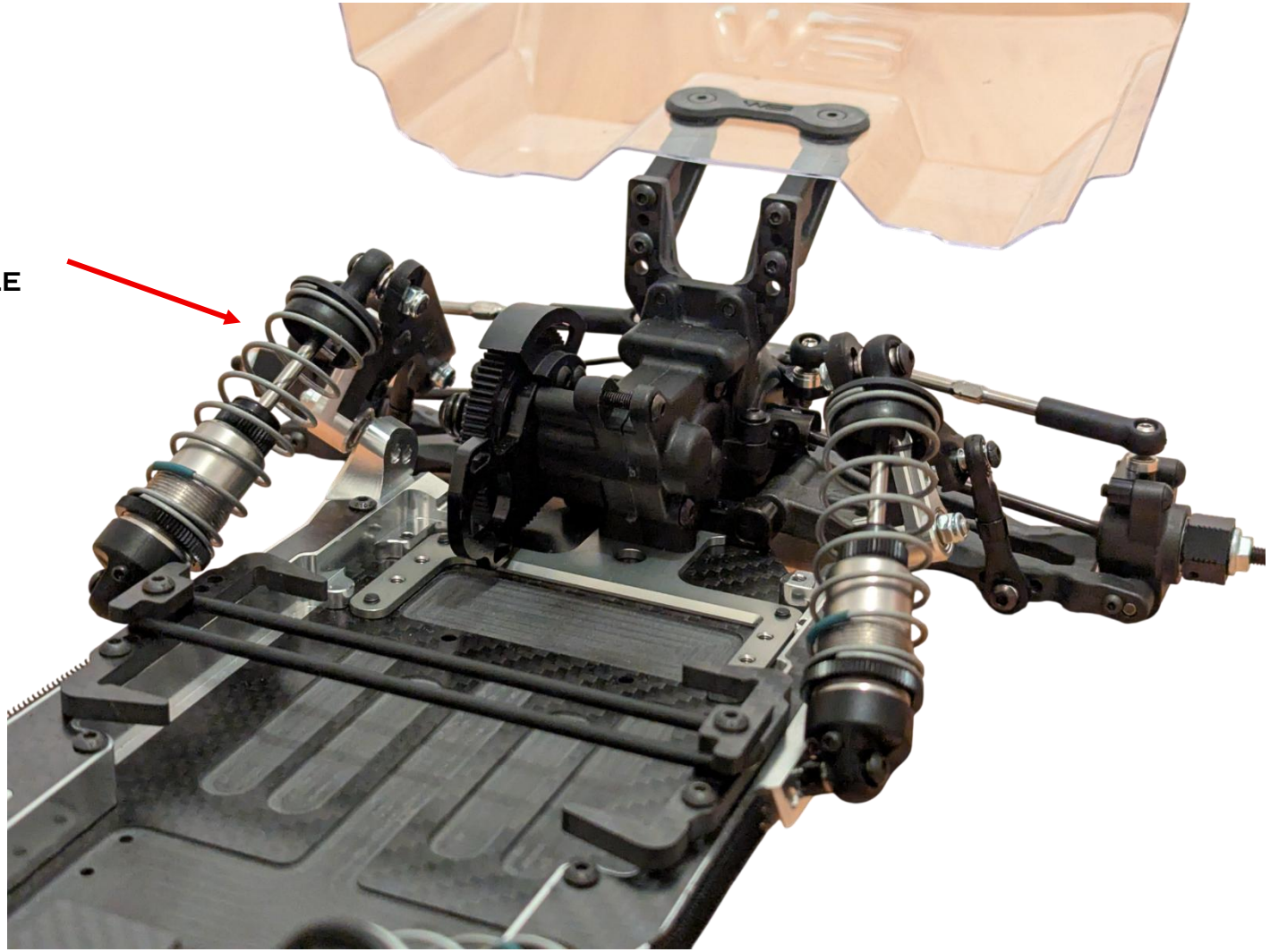
USE STRAIGHT LINKS (INCLUDED WITHIN DONOR KIT)

THIS IS REQUIRED TO ENSURE LINK REMAINS CLEAR OF ROCKER PIVOT IN ALL SETUP OPTIONS

FAST FOX

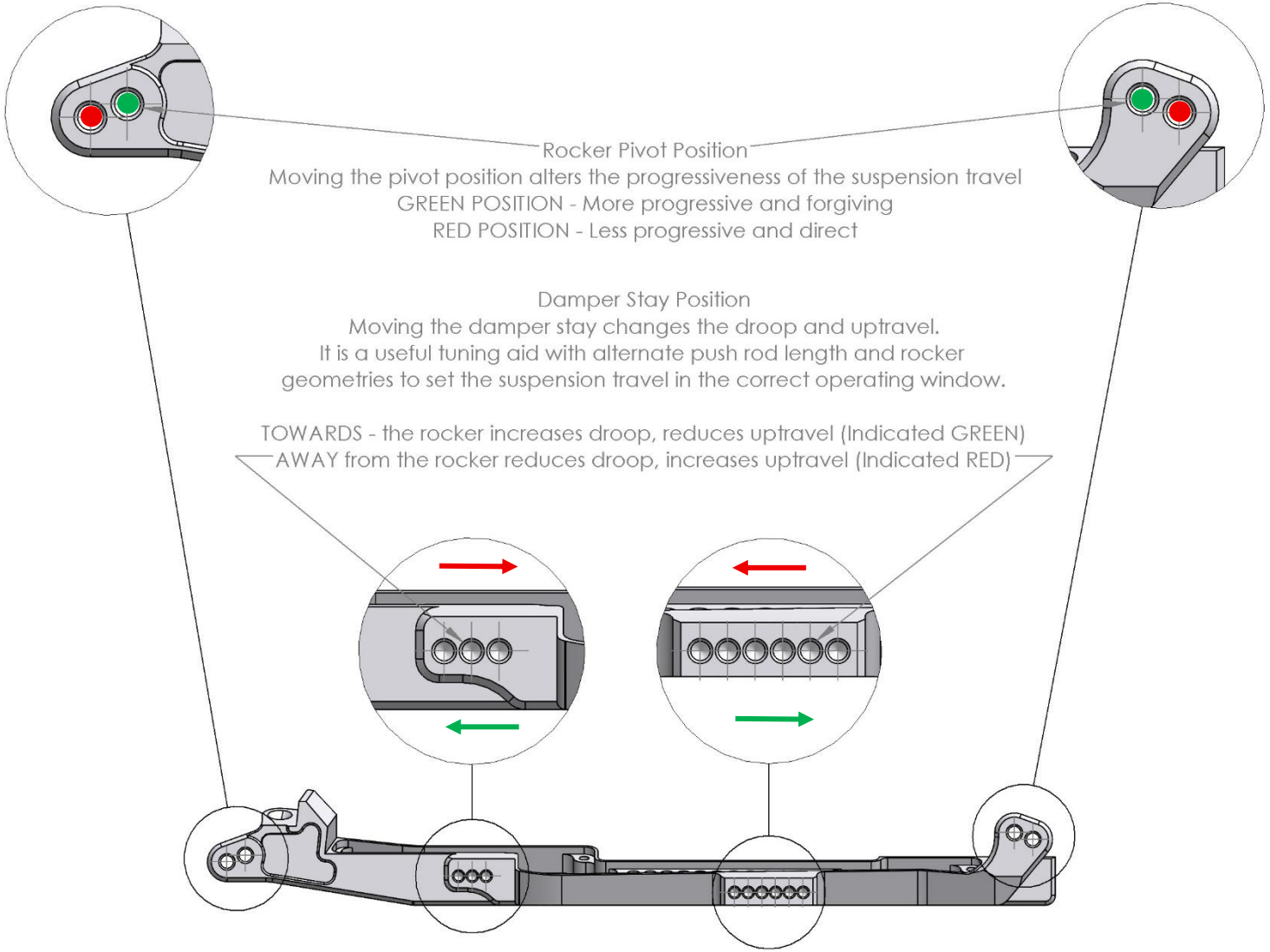
STEP 16

INSTALL REAR END
FROM DONOR VEHICLE



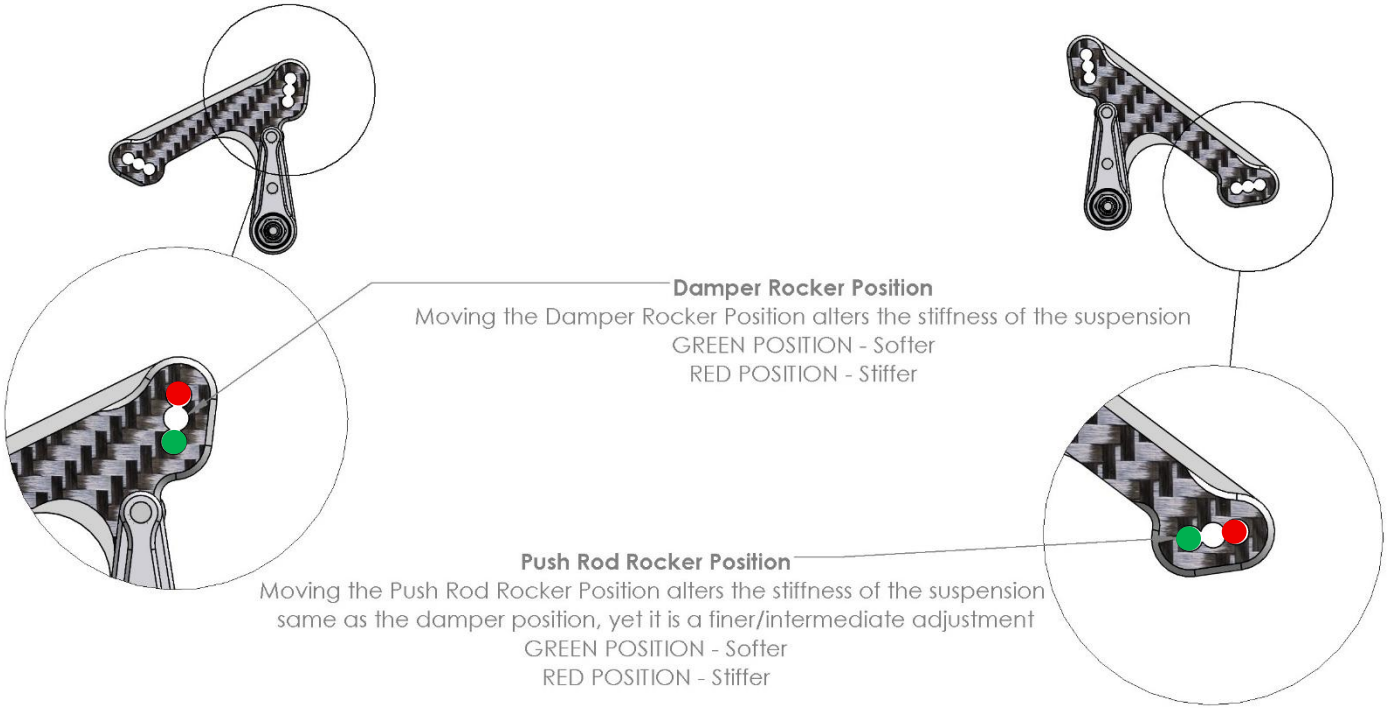
FAST FOX

TUNING GUIDE - PAGE 1



FAST FOX

TUNING GUIDE - PAGE 2



Damper Rocker Position

Moving the Damper Rocker Position alters the stiffness of the suspension
GREEN POSITION - Softer
RED POSITION - Stiffer

Push Rod Rocker Position

Moving the Push Rod Rocker Position alters the stiffness of the suspension
same as the damper position, yet it is a finer/intermediate adjustment
GREEN POSITION - Softer
RED POSITION - Stiffer

Push Rod Position - Wishbone

Moving the Push Rod Rocker Position at the wishbone alters the stiffness of the suspension.
Same as a standard car but spacers may be required on the link mounting to ensure that you can get the full range of movement without the ball joints being overly twisted.
Moving the Push Rod OUTWARDS on the arm STIFFENS the suspension
Moving the Push Rod INWARDS on the arm SOFTENS the suspension
Its important that when viewed from the front, at normal ride height, that the links are at the same angle to the vertical as the rockers.

Notes

Check your drive shafts. You can now get suspension setups that are not possible with the standard kit .
Check that on max droop the drive shafts cannot fall out of the diff output cups and equally at max uptravel they do not bind up.

FAST FOX

STARTING SETUP

FAST FOX

SET-UP SHEET

XB2'26 Willspeed FastFox

WS XRAY XB2'26

RACE	1066 CLUB NIGHT
TRACK	
NAME	DATE
LAPS	BEST LAP TIME
QUALIFYING POSITION 1	FINAL POSITION 1

TRACK

SIZE: OPEN ✓ MEDIUM ✓ TIGHT

TRACTION: VERY-LOW MEDIUM VERY-HIGH

SURFACE: SMOOTH ✓ MEDIUM BUMPY

TYPE: CLAY CARPET ✓ ASTRO

CONDITION: BLUE GROOVE HARD PACKED DRY ✓ GLUED DUSTY LOAMY WET

TRANSMISSION

BALL DIFF GEAR DIFF ✓ ACTIVE DIFF

DIFFERENTIAL OIL 30K cst 60° 90° 120°

SATELITE GEARS COMPOSITE STEEL GEARS 2 4 ✓

SLIPPER mm SOLID AXLE

2-PAD SLIPPER CLUTCH PLATES SLIPPER PADS

VENTILATED STANDARD KIT ✓

GEARING

PINION T SPUR GEAR T

TYPE	GEAR BOX	HARDNESS
FRONT LCG 3G ✓ SG	REAR 3G LCG	KIT ✓ GRAPHITE

SHOCKS

FRONT		REAR
WS GREEN	SPRINGS	WS GREEN
cst 450	OIL	400 cst
2 HOLES ✓	ø1.6mm / ø1.8mm	2 HOLES ✓
HOLES	mm	HOLES
KIT ALU CAP ALU KIT		
Previous Piston 2.0 2.5 KIT ✓ Precis.		Previous Piston 2.5 2.0 Precis. KIT ✓
Downstop shim INSERT UNDER PISTON 0 mm		Downstop shim INSERT UNDER PISTON 0 mm
Length 21 mm		Length 21.5 mm
Upstop shim INSERT ABOVE COLLAR 0 mm		Upstop shim INSERT ABOVE COLLAR 0 mm
WS COMP. ALU 0mm -2mm -4mm -6mm	COLLAR	0mm -2mm -4mm -6mm WS COMP. ALU
+4mm +2mm 0mm	BALL JOINT	0mm +2mm +4mm

ANTI ROLL BAR

FRONT	THICKNESS	REAR
1.2 mm		1.4 mm

TIRES

FRONT		REAR
SCH	BRAND	SCH
Y	COMPOUND	Y
NSA	INSERTS	GRAGG
JC	WHEELS	JC

ELECTRONICS

MOTOR SPEEDO

SERVO BATTERY

BODY	TOTAL WEIGHT
LIGHT	/g

COMMENT

WS 0 stainless bulkhead
Note Shims behind pushrods used for outside hole on arm

