

## INSTRUCTION MANUAL SUPPLEMENTARY SHEET

Use this XB808 2011 Spec Supplementary Instruction Sheet along with the standard XB808 Instruction Manual included in the kit. This Supplementary Sheet highlights and explains new updated steps and you should refer to them while building your XB808 2011 Spec kit. Each step in this Supplementary Sheet indicates the section to which the updated step refers.

**New and Improved Parts** 

All of these parts are new or updated from the previous versions. Each of these parts feature their corresponding part number which can be used to re-order the parts. You can also refer to the complete exploded views.

Please note that this kit does not include a turnbuckle tool. We recommend that you purchase the #181030 - 3mm, #181040 - 4mm and #181050 - 5mm HUDY Turnbuckle Tool.

### XB808 2011 SPEC



#351104 XB808'11 ALU CHASSIS LONG - SWISS 7075 T6 (3MM) - HARDCOATED



#352004 XB808'11 DIFF BULKHEAD BLOCK SET FRONT/REAR



#352304 XB808 ALU FRONT LOWER SUSP. HOLDERS SET - SQUARE ADJ. ROLL-CENTER



#355108 BEVEL DRIVE GEAR 10T



#353088 XB808 COMPOSITE REAR BRACE - V2



#353304 XB808 ALU REAR LOWER SUSP. HOLDERS SET- SWISS 7075 T6 (7MM) - HARDCOATED



#355417 CENTRAL CVD SHAFT UNIVERSAL JOINT -HUDY SPRING STEEL™



#355424 XB808'11 FRONT CENTRAL CVD DRIVE SHAFT - HUDY SPRING STEEL™



#355624 XB808'11 REAR CENTRAL CVD DRIVE SHAFT - HUDY SPRING STEEL™



#356002 XB808'11 RADIO CASE SET



#356117 XB808'11 GRAPHITE RADIO PLATE



#358723 XB808'11 EXHAUST WIRE MOUNT SET



#358083 SHOCK RUBBER MEMBRANE RIBBED (4)



#359706 XRAY XB808'11 BODY - EXTRA DOWNFORCE



#971034 SILICONE O-RING 3.4x2 (10)

## XB808 2009 & 2010 SPEC



#358602 FUEL TANK



#358801 AIR FILTER SET - LOW PROFILE



#940816 HIGH-SPEED BALL-BEARING 8x16x5 RUBBER SEALED (2)



#354110 BRAKE DISK -LASER CUT - V2



#352501 XB808 SERVO SAVER COMPLETE SET - V2



#358141 XB808 ALU SHOCK BODY NUT FOR SHOCK BOOT (2)



#358072 XB808 FOLDING SHOCK BOOT (4)



#358016 COMPOSITE SHOCK BALL JOINT FOR SHOCK BOOT (2)



#352664 XB808 COMPOSITE STEERING BALL JOINT 6.8MM - V2 (2)



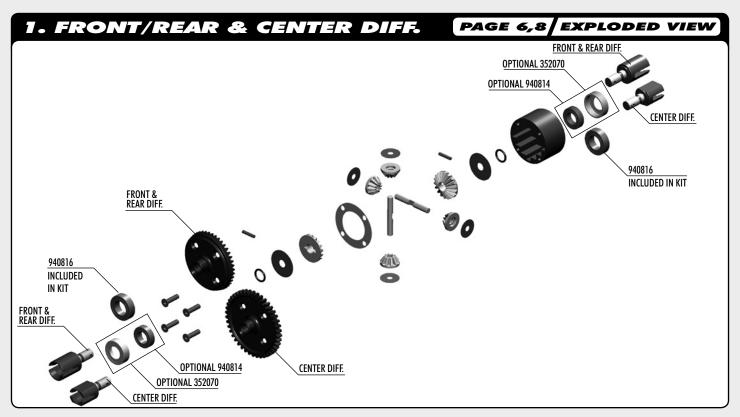
#352151 XB808 FRONT UPPER ARM BALL JOINT - V2 (2) #353131 XB808 REAR UPPER INNER CAMBER LINK BALL JOINT - V2 (2)

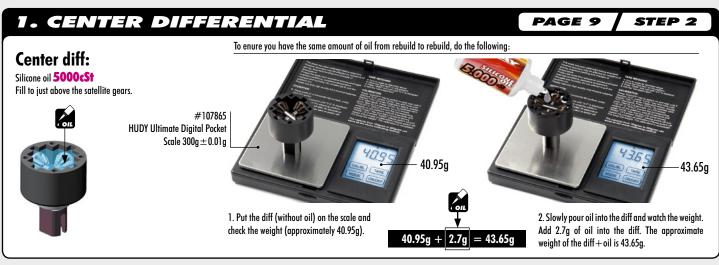


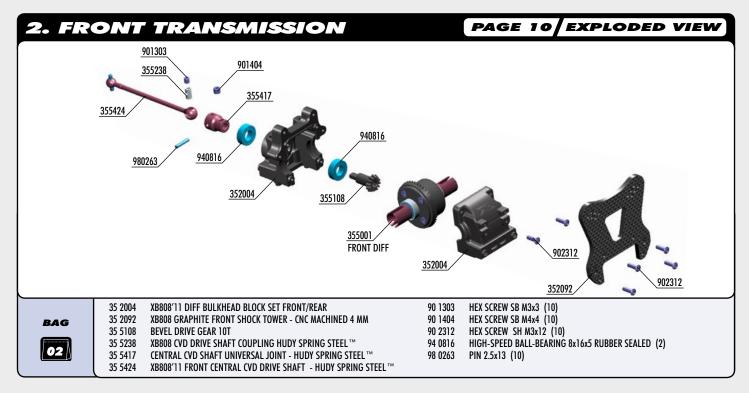
#352665 XB808 COMPOSITE RELIEF STEERING BALL JOINT 6.8MM - V2 (2)

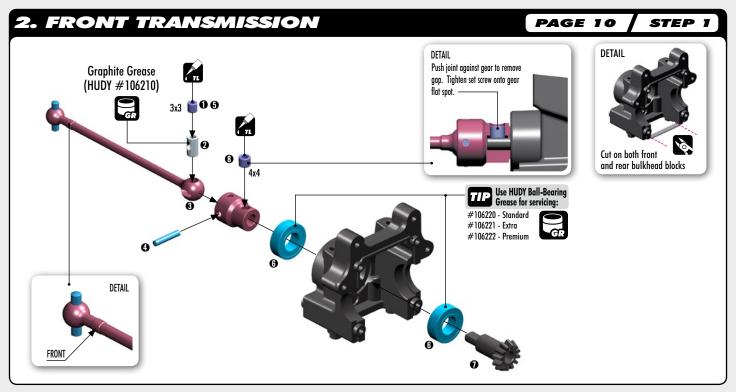


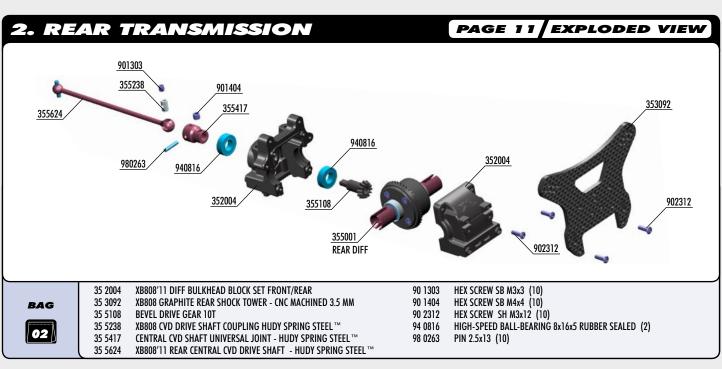
#351330 XB808 COMPOSITE REAR BODYPOST LONG

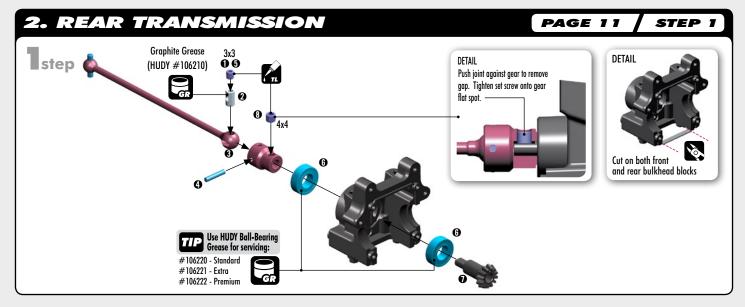


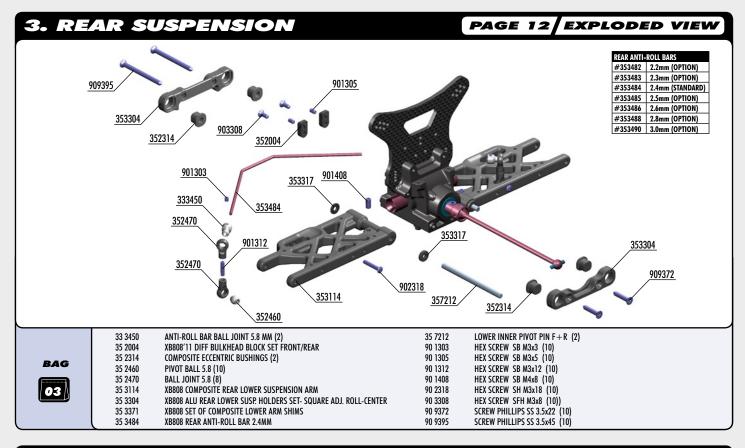


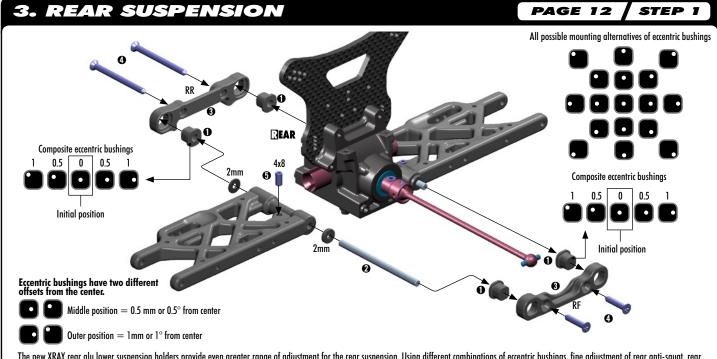












The new XRAY rear alu lower suspension holders provide even greater range of adjustment for the rear suspension. Using different combinations of eccentric bushings, fine adjustment of rear anti-squat, rear toe-in, rear roll center, and rear track-width can be obtained. For more information about the influence of rear anti-squat, rear toe-in, rear roll center and rear track width on car handling, please refer to HUDY Off-Road Set-up Book (#209099).

ANTI-SQUAT			
RR	RF (°)		
O MANY O	<b>○                                    </b>		
O MAY O	• =4°		
O MAY O	. =2°		
	• =4°		
	<b>○                                    </b>		
O MAY O	<b>•</b> =5°		
0	• =2°		
O **** O	<b>○                                    </b>		
O MAY O	<b>○                                    </b>		

ROLL-CENTER			
RR	RF	(mm)	
O PART O	00	= 0mm	
O C MAY O	0 0	= 1mm	
	0	-1mm	

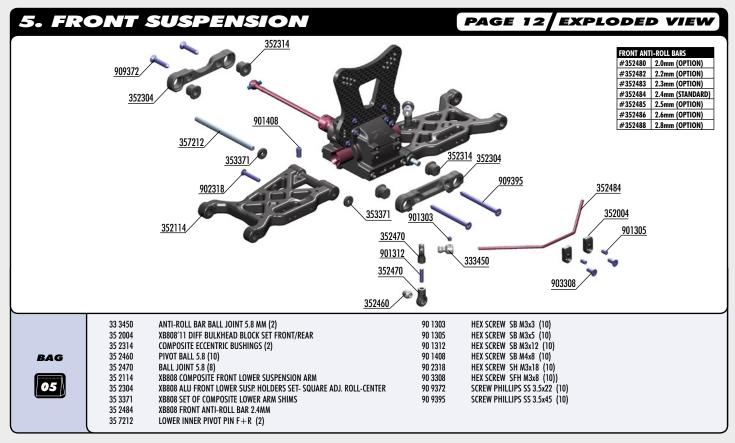
TRACK WIDTH			
RR	RF	(mm)	
O PART O	00	=308	
O SEMAN O	00	=306	
	0 0	=310	

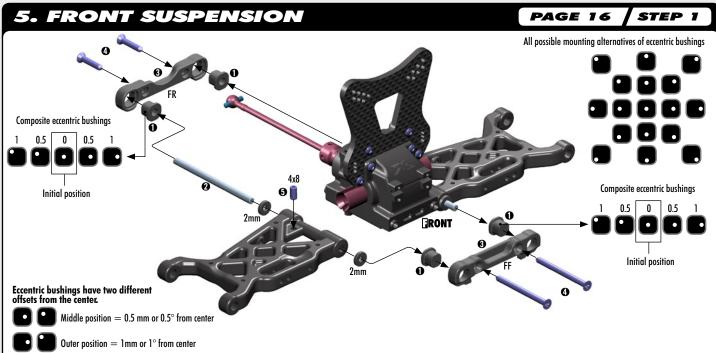
The tables describe the amounts of rear anti-squat, rear toe-in, rear track-width change depending on the combinations of eccentric bushings used with 0 and 1 mm,  $1^{\circ}$  off set. The 0.5mm, 0.5° represent the half change.

Example:	O(RR) - O (RF) $= 3^{\circ}$	• × × × • • • • • • • • • • • • • • • •
	$0(RR) - 0.5 (RF) = 3.5^{\circ}$	• 3.5°
	0(RR) - 1 (RF) = $4^{\circ}$	• XRAY • • • • • • • • • • • • • • • • • • •

RR	RF	(°)
0	00	=3°
O XMAY O	00	=4°
O MAY O	0 0	=2°
C ***	00	=2°
	00	=3°
C SHAY O	0 0	=1°
	00	=4°
	00	=5°
O SHAY O	0 0	=3°

TOE-IN





The new XRAY alu front lower suspension holders provide even greater range of adjustment for the front suspension. Using different combinations of eccentric bushings, fine adjustment of front kick-up, roll-center, and front track-width can be obtained. For more information about the influence of kick-up, front track-width, and roll centers on car handling, please refer to HUDY Off-Road Set-up Book (#209099).

KICK-UP			
FF	FR (°)		
0	● =10°		
0	<b>○</b> =9°		
O. ***.	=11°		
0,0	<b>⊙</b> =9°		
0, ***	=8°		
	<b>○</b> =10°		
0	=11°		
0, ***	=10°		
0	=12°		

TRACK WIDTH				
FF	FR	(mm)		
0	00	=308		
G	<u> </u>	=306		
	00	=310		

ROL	ROLL-CENTER			
FF	FR	(mm)		
GO	0	=1		
0	00	=0		
		=-1		

The tables below describe the amounts of kick-up, front track-width change depending on the combinations of eccentric bushings used with 0 and 1mm,  $1^{\circ}$  off set. The 0.5mm,  $0.5^{\circ}$  represent the half change.

 ${\bf Example:}$ 

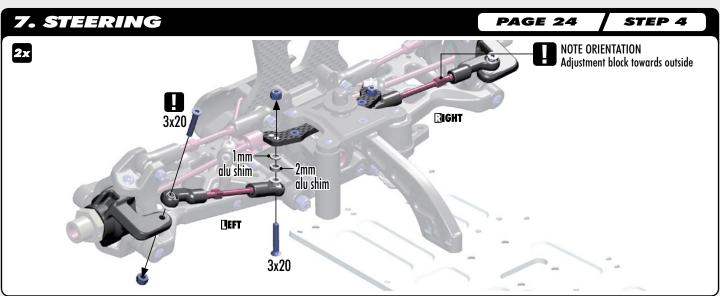
 ipio.		ŀ
$\mbox{O(FF)}$ - $\mbox{O(FR)}=10^{\circ}$	= 10°	Ŀ
$0.5(FF)$ - $0(FR)=10.5^{\circ}$	= 10.5°	c
1(FF) - 0(FR) = 11 $^{\circ}$	= 11°	١

TOTAL CAS	TER = C-HUB CASTER + KICK UP
	KICK-UP

	KICK-UP				
C-Hub Caster	8°	9°	10°	11°	12°
10°	18°	19°	20°	21°	22°
12°	20°	21°	22°	23°	<b>24</b> °
14°	22°	23°	24°	25°	26°

Total caster is the angle that the C-hub is to the flat chassis bottom. Caster is affected not only by front kick-up but also by the C-hub caster. The combination of both represents the total caster angle. The XRAY XB808 includes a  $10^\circ$  caster block as stock, but  $12^\circ$  and  $14^\circ$  C-hub caster blocks can be purchased as options.





# 9. FUEL TANK & ENGINE

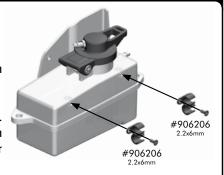
PAGE STEP 3



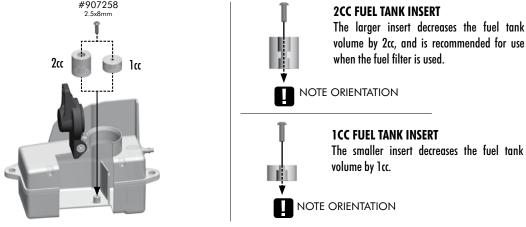
The new XRAY fuel tank — for all XB8 cars — has several new beneficial features.

The new included fuel tube holders may be connected to the tank by screws. These holders prevent the fuel tubes from moving around during racing and may prevent problems such as having the fuel tube contacting the flywheel.

The new fuel tank has the bigger fuel volume and includes optional tank inserts for decreasing the volume of the tank. Using the inserts allows you to adjust the volume of fuel inside the tank; this works in conjunction with variables such as fuel filter capacity and/or length of fuel line to ensure you are as close to the legal fuel volume limit as possible for



Tube holders are easy connected to the fuel tank by screws. The main advantage of this system is that the holders will never fall down as could happen when the glue is used.



**1CC FUEL TANK INSERT** The smaller insert decreases the fuel tank volume by 1cc.

NOTE: The fuel tank insert can be easily mounted to the bottom of the fuel tank using the provided screw, when the fuel tank cap is opened fully.

# 9. FUEL TANK & ENGINE PAGE 27 STEP 3 2 step

