

#### **BEFORE YOU START**

The X12 is a high-quality, 1/12-pan car intended for persons aged 16 years and older with previous experience building and operating RC model racing cars. This is not a toy; it is a precision car model. This model racing car is not intended for use by beginners, inexperienced customers, or by children without direct supervision of a responsible, knowledgeable adult. If you do not fulfill these requirements, please return the kit in unused and unassembled form back to the shop where you have purchased it. Before building and operating your X12, YOU MUST read through all of the operating instructions and instruction manual and fully understand them to get the maximum enjoyment and prevent unnecessary damage. Read carefully and fully understand the instructions before beginning assembly. Make sure you review this entire manual and examine all details carefully. If for some reason you decide the X12 is not what you wanted or expected, do not continue any further. Your hobby dealer cannot accept your X12 kit for return or exchange after it has been partially or fully assembled.

Contents of the box may differ from pictures. In line with our policy of continuous product development, the exact specifications of the kit may vary without prior notice.

### **CUSTOMER SUPPORT**

We have made every effort to make these instructions as easy to understand as possible. However, if you have any difficulties, problems, or questions, please do not hesitate to contact the XRAY support team at <a href="mailto:info@teamxray.com">info@teamxray.com</a>. Also, please visit our Web site at <a href="mailto:www.teamxray.com">www.teamxray.com</a> to find the latest updates, set-up information, option parts, and many other goodies. We pride ourselves on taking excellent care of our customers.

You can join thousands of XRAY fans and enthusiasts in our online community at: www.teamxray.com

### **XRAY Europe**

K Výstavisku 6992 , 91101 Trenčín Slovakia EUROPE

Phone: 421-32-74401100 Fax: 421-32-74401109 E-mail: info@teamxray.com

#### **XRAY USA**

RCAmerica, 167 Turtle Creek Boulevard Suite C Dallas, Texas 75207, USA

Phone: (800) 519-7221 \* (214) 744-2400 Fax: (214) 744-2401 E-mail: xray@rcamerica.com

Failure to follow these instructions will be considered as abuse and/or neglect.

In line with our policy of continuous product development, the exact specifications of the kit may vary. In the unlikely event of any problems with your new kit, you should contact the model shop where you purchased it, quoting the part number. We do reserve all rights to change any specification without prior notice. All rights reserved.

### SYMBOLS USED

Part bags used

Assemble in the specified order

Assemble left and right sides the same way

Pay attention here

Assemble as many times as specified (here twice)

Apply CA glue

Apply oil

Apply grease

Ensure smooth non-binding movement



Follow Set-up Book



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# **EQUIPMENT INCLUDED**

**XRAY Premium** Silicone Oil 700cSt (#359270) & Silicone Oil 3000cSt

(#359303)



Diff. Grease (HUDY #106211)



## **TOOLS REQUIRED**









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Pliers (HUDY #189020)



Scissors (HUDY #188990)















# **EQUIPMENT REQUIRED**

Transmitter













LiPo Battery Pack











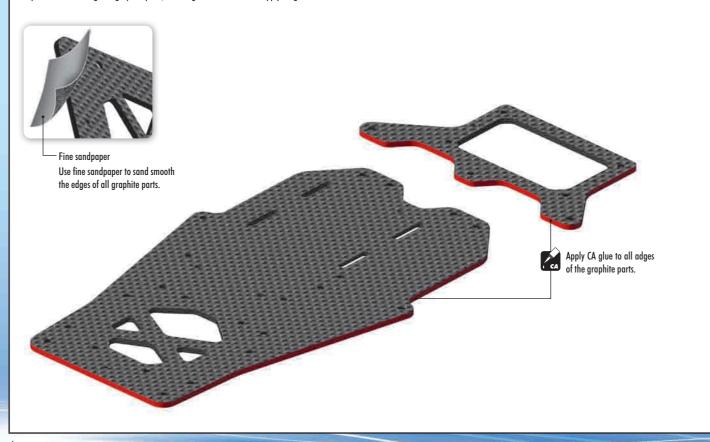


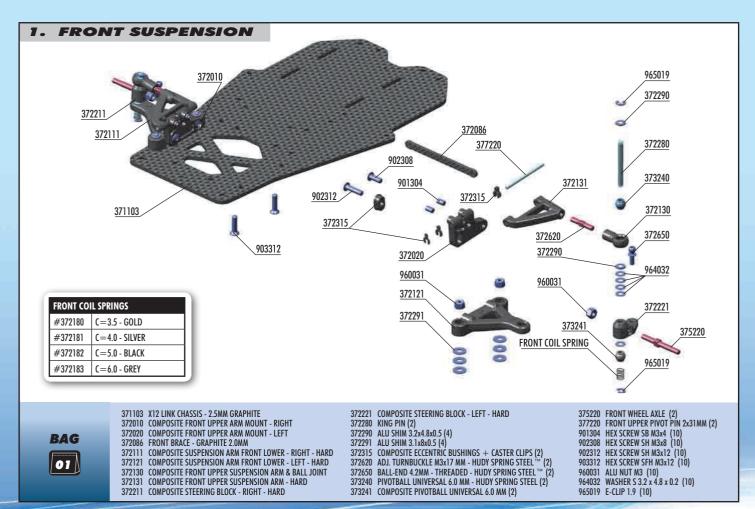


## **GRAPHITE PART PREPARATION**

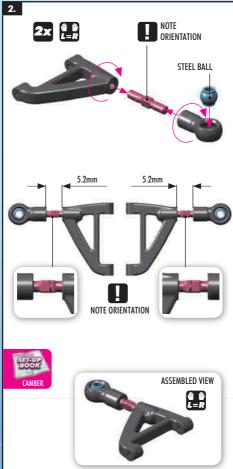
### PREPARE ALL GRAPHITE PARTS

To protect and seal edges of graphite parts, sand edges smooth and then apply CA glue.

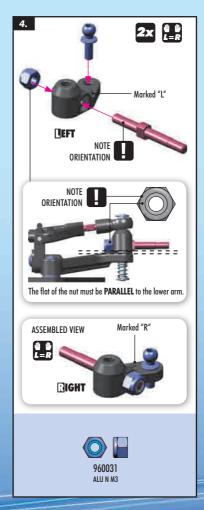




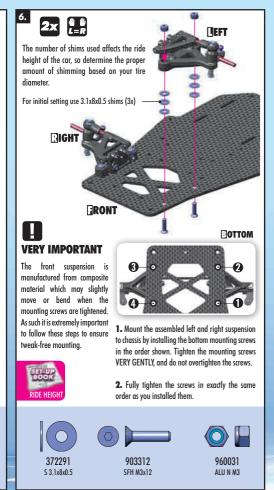


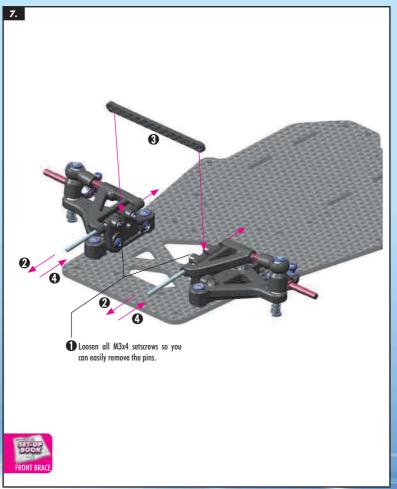


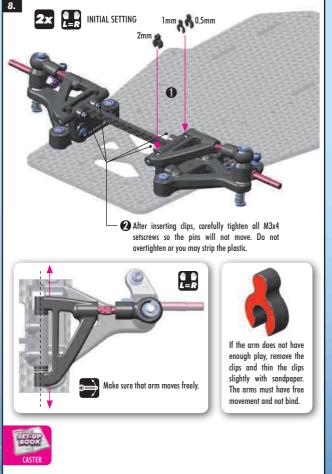


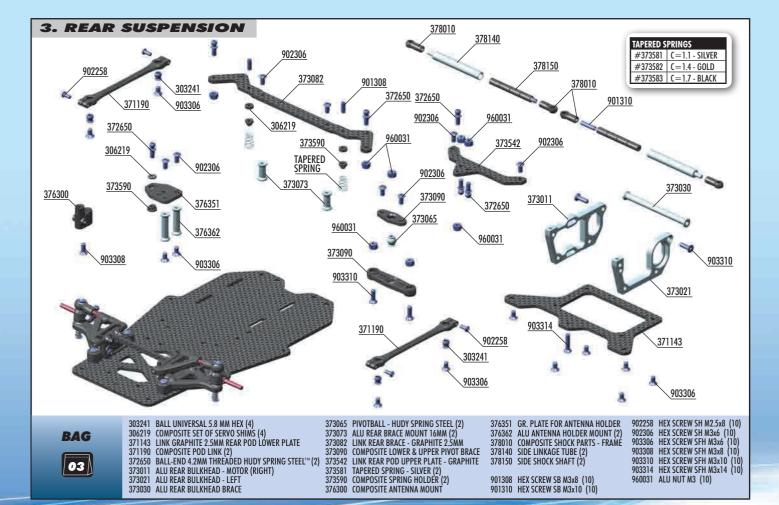


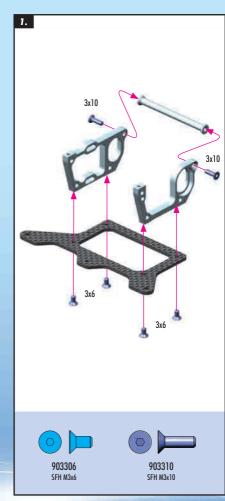


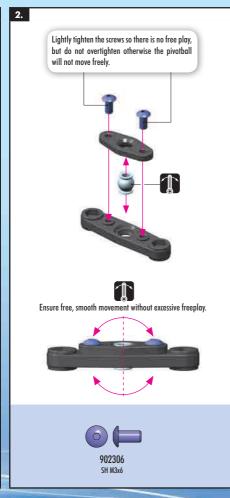


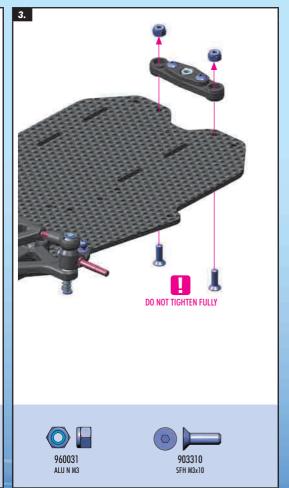


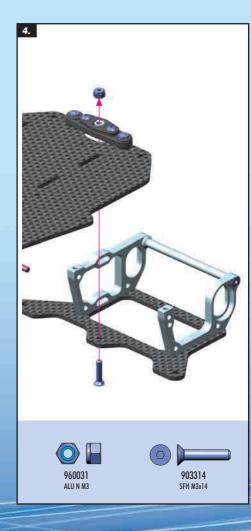


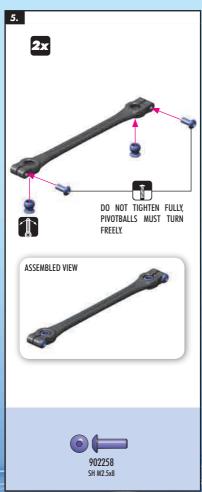




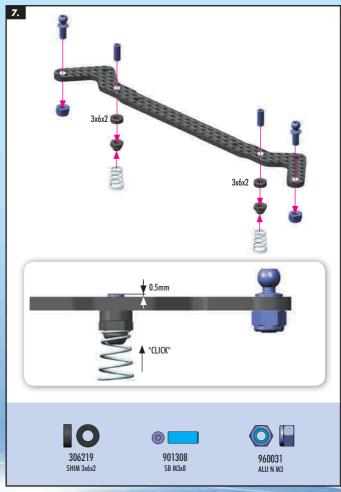




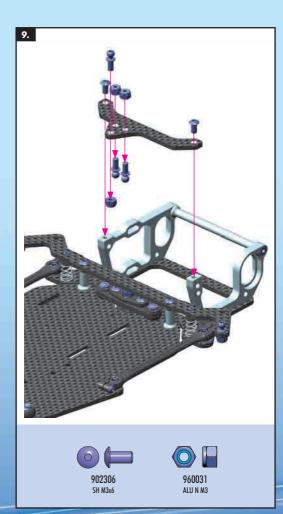




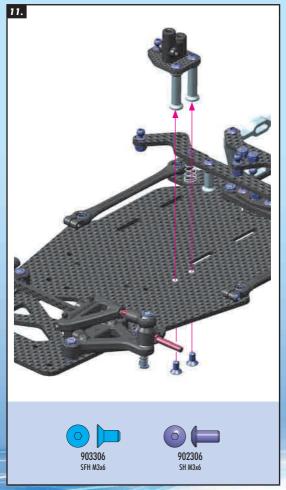


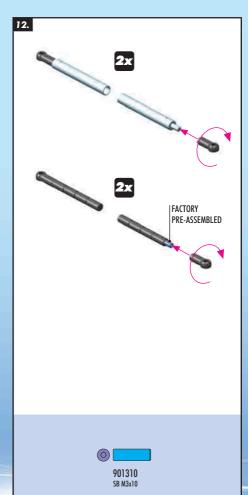


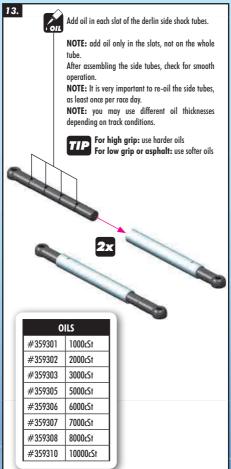


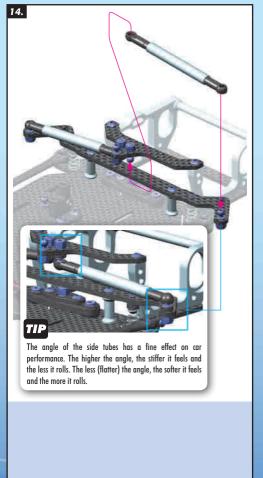








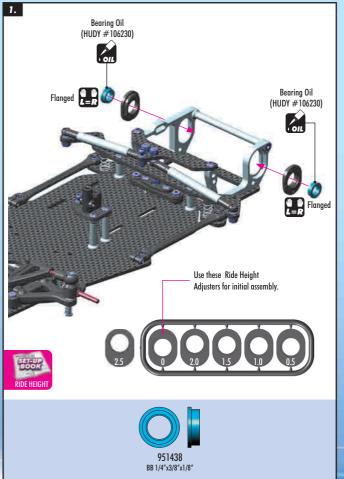


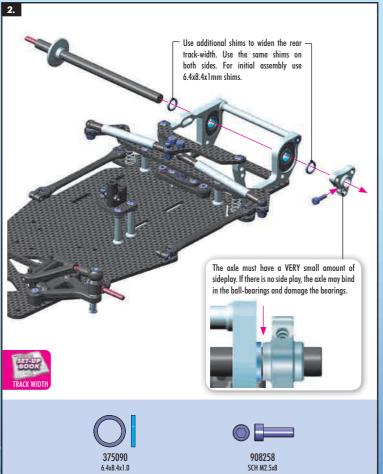


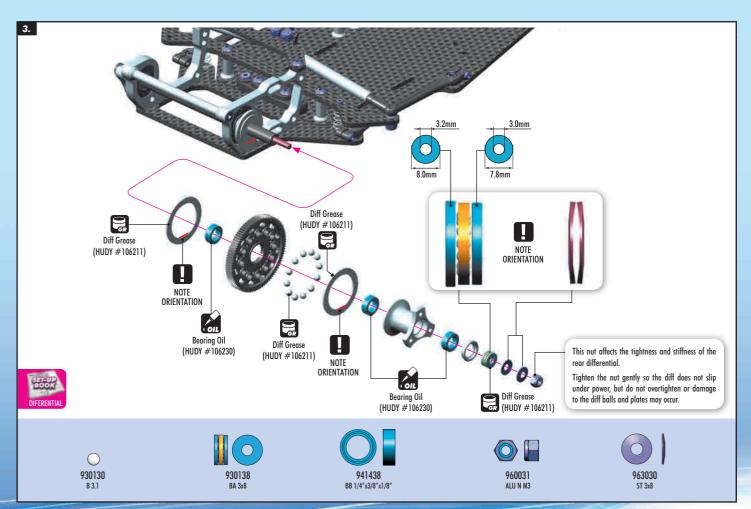
# 4. BALL DIFFERENTIAL 960031 375050 375030 930130 963030 930138 941438 941438 375080 375010 375896 375090 372070 375090 951438 375040 951438 908258 COMPOSITE RIDE HEIGHT ADJUSTER SET (2) 908258 HEX SCREW SOCKET HEAD CAP M2.5x8 (10) BAG REAR AXLE SHAFT - GRAPHITE 930130 CARBIDE BALL 3.175MM (12) ALU REAR WHEEL HUB - RIGHT CARBIDE BALL-BEARING AXIAL F3-8 3x8x3.5 375040 HIGH-SPEED BALL-BEARING 1/4"x3/8"x1/8" RUBBER SEALED (2)

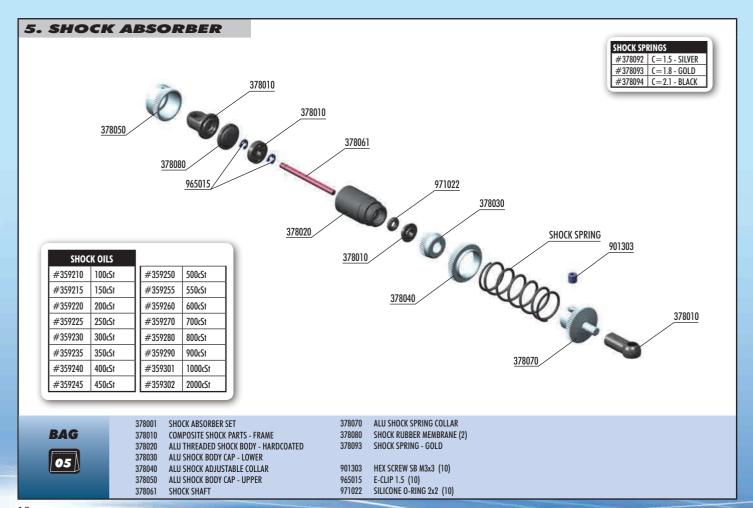


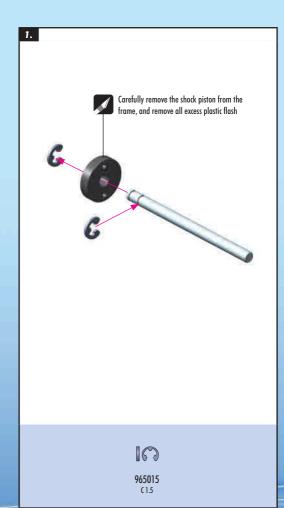
ALU REAR WHEEL HUB - LEFT 941438 375050 ALU DIFF HUB 951438 BALL-BEARING 1/4" x 3/8" x 1/8" FLANGED (2) D-LOCK DIFF PLATE (2) ALU NUT M3 (10) 375090 SET OF ALU SHIMS (0.5MM, 1.0MM, 2.0MM) 963030 CONE WASHER ST 3x8x0.5 (10) 375896 COMPOSITE SPUR GEAR - 96T / 64P

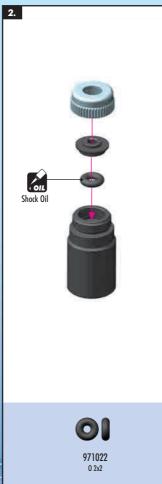




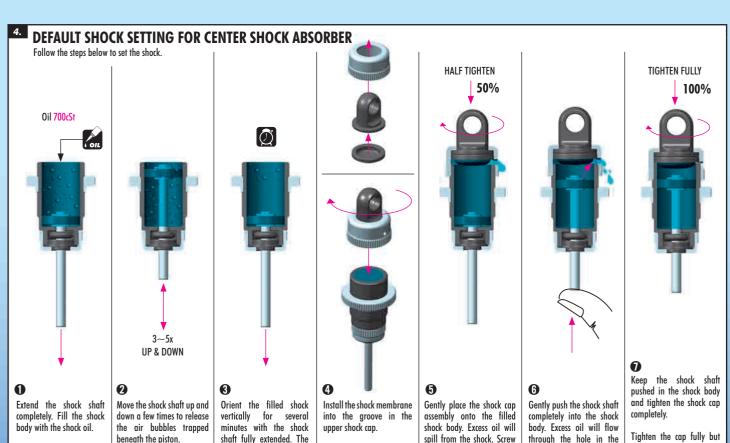












the shock cap onto the body

by only a few turns, approx.

50%. Excess oil will flow

through the hole in the

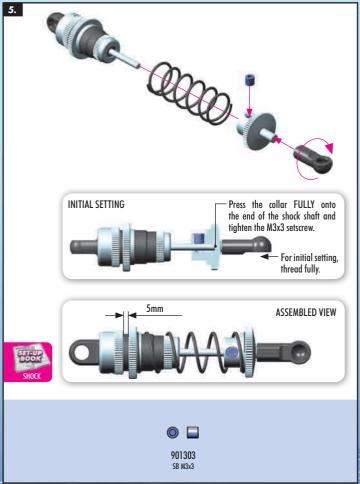
shock cap.

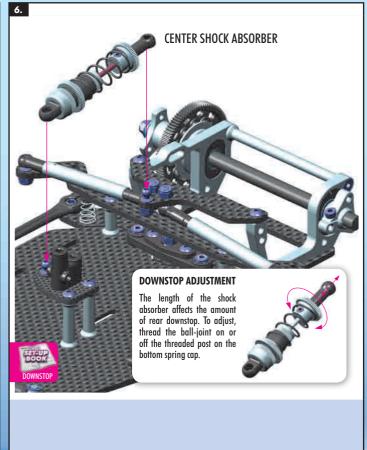
shock cap.

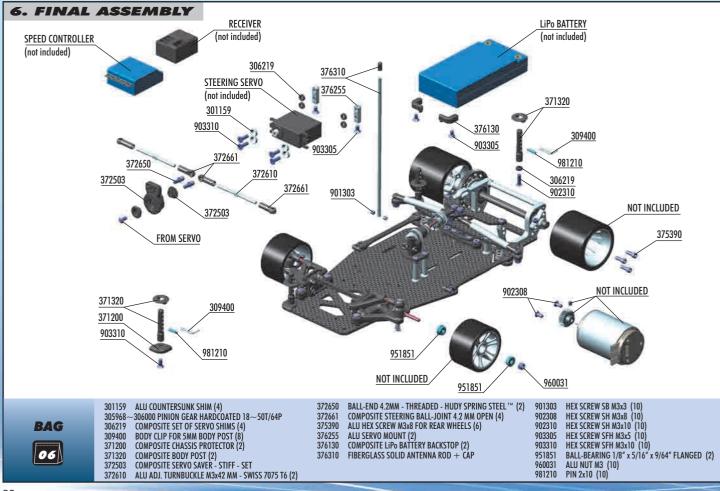
remaining air bubbles will

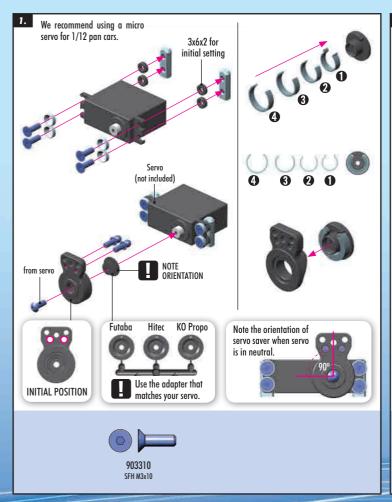
release

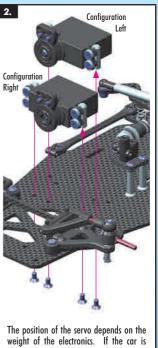
do not overtighten or the rubber membrane may be damaged. Make sure that there is no oil leakage after the cap is tightened.





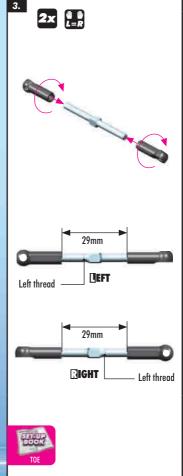


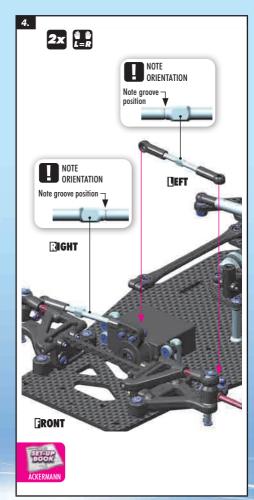


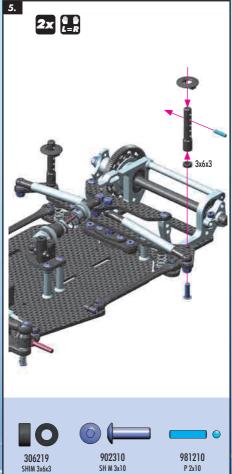


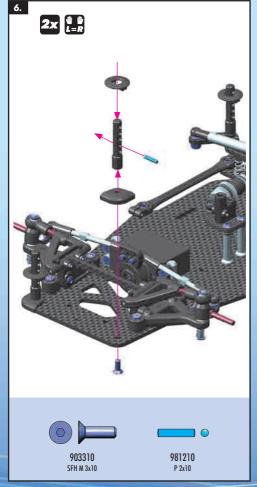
The position of the servo depends on the weight of the electronics. If the car is heavier on the right, use a left-side servo position; if the car is heavier on the left, use a right-side servo position.

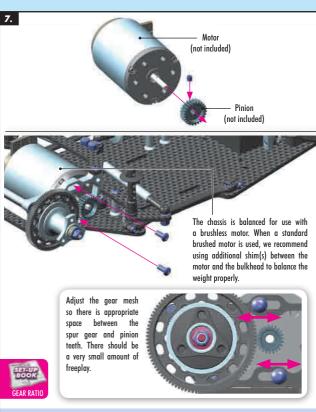








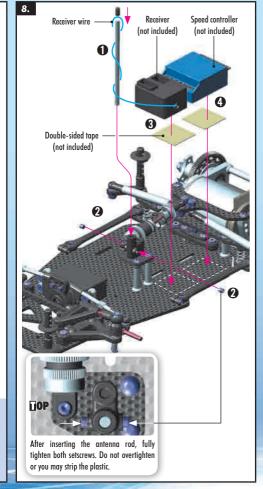


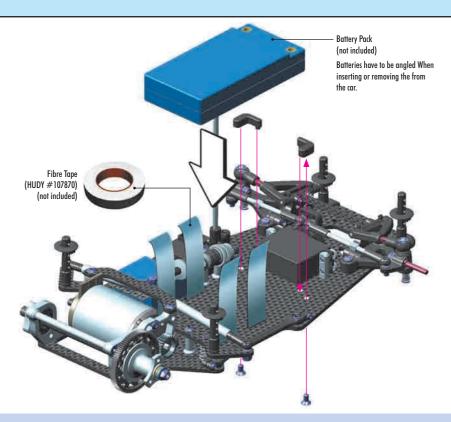


SH M 3x8

PINION GE	ARS ALU HARDCOATED
#305968	18T / 64P (option)
	,,,,
#305969	19T / 64P (option)
#305970	20T / 64P (option)
#305971	21T / 64P (option)
#305972	22T / 64P (option)
#305973	23T / 64P (option)
#305974	24T / 64P (option)
#305975	25T / 64P (option)
#305976	26T / 64P (option)
#305977	27T / 64P (option)
#305978	28T / 64P (option)
#305979	29T / 64P (option)
#305980	30T / 64P (option)
#305981	31T / 64P (option)
#305982	32T / 64P (option)
#305983	33T / 64P (option)
#305984	34T / 64P (option)
#305985	35T / 64P (option)
#305986	36T / 64P (option)
#305987	37T / 64P (option)
#305988	38T / 64P (option)



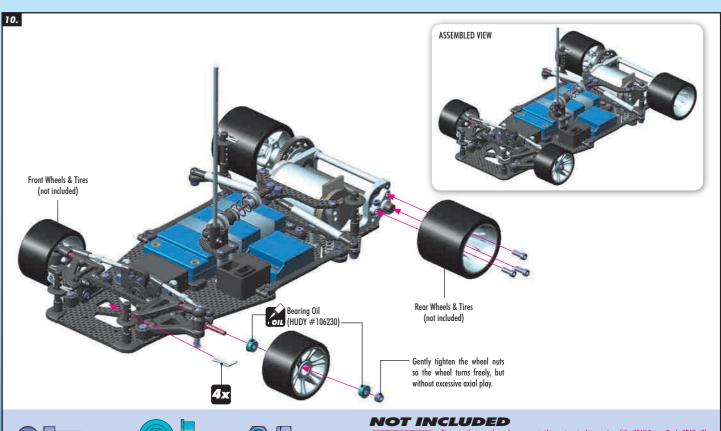








903305 SFH M3x5





375390 ALU SCH M3x8



951851 BB 1/8"x5/16"x9/64"



960031 ALU N M3



To ensure that you always have access to the most up-to-date version of the XRAY Set-up Book, XRAY will now be offering only the digital online version at our Web site at www.teamxray.com. By offering this online version instead of induding a hardcopy printed version in kits, you will always be assured of having the most current updated version. The Set-up Book features the T-bar version of the XII, however the majority of all set-up adjustments and theory are same; we strongly recommend that you read and understand the Set-up Book completely.

