

#### **BEFORE YOU START**

The XII 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 XII, 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 XII is not what you wanted or expected, do not continue any further. Your hobby dealer cannot accept your XII 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="https://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



used

0 0 0



2x

CA

OIL

O GR

### **EQUIPMENT INCLUDED**

XRAY Premium Silicone Oil 350cSt (#359235)



Diff. Grease (HUDY #106211)



### **TOOLS REQUIRED**









## **TOOLS REQUIRED**

Pliers (HUDY #189020)















# **EQUIPMENT REQUIRED**















LiPo Battery or 4-cell Battery Pack









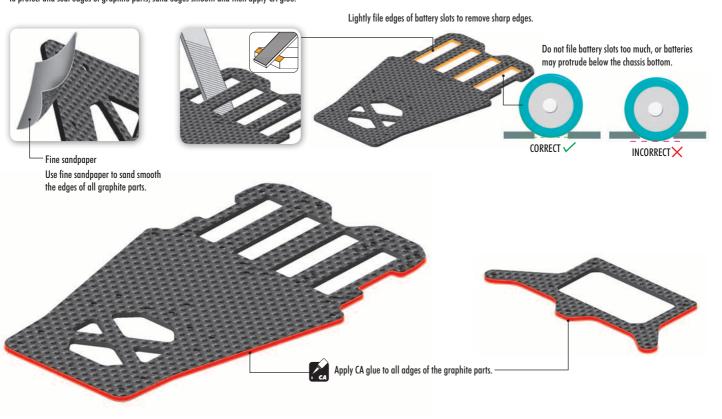


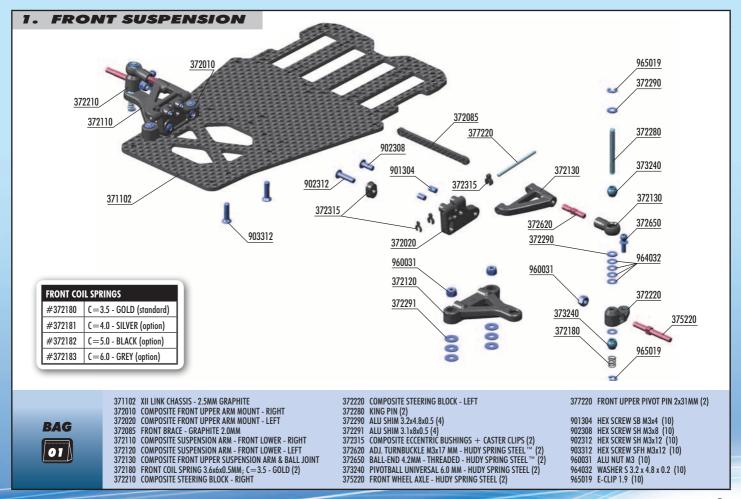


### **GRAPHITE PARTS PREPARATION**

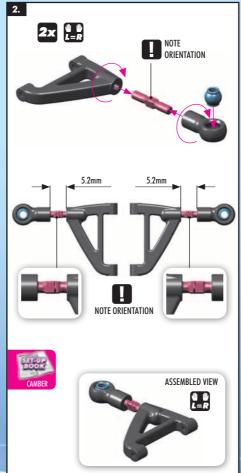
#### PREPARE ALL GRAPHITE PARTS

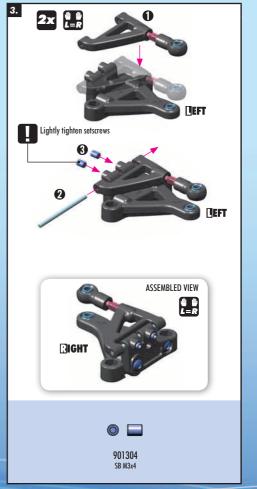
To protect and seal edges of graphite parts, sand edges smooth and then apply CA glue.

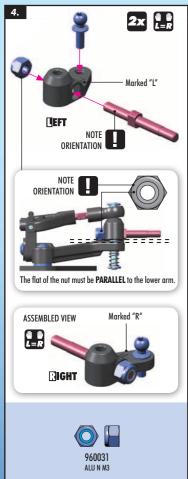


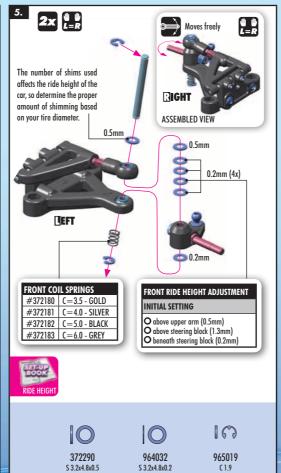


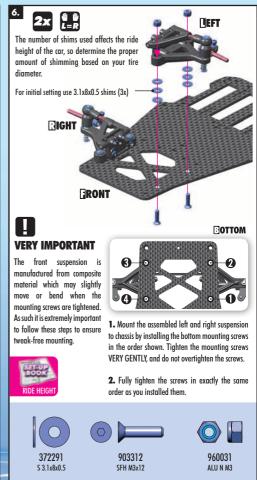


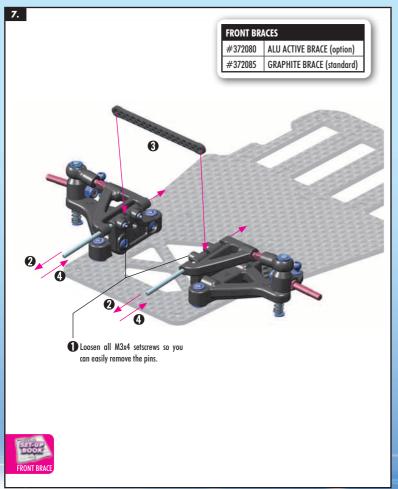


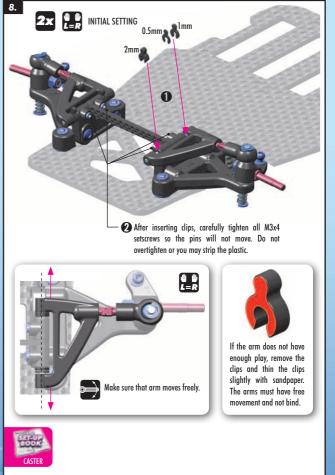


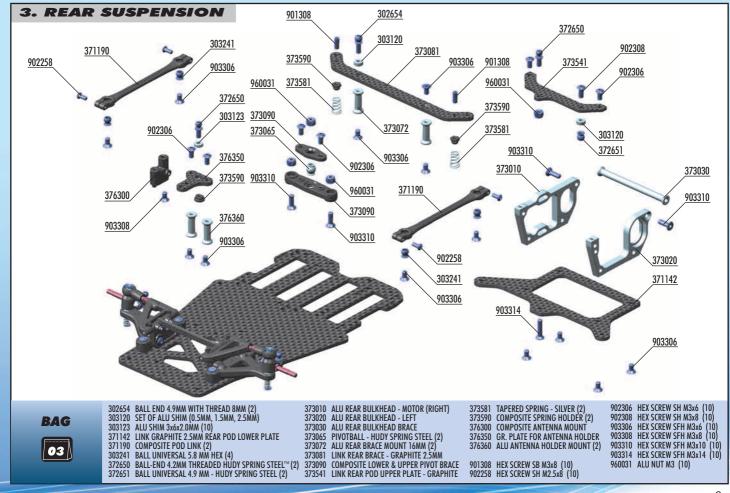


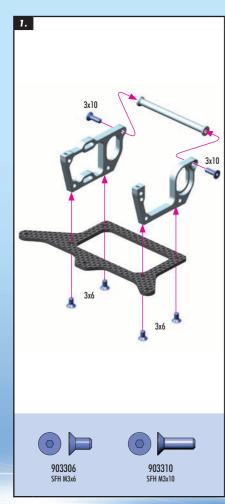


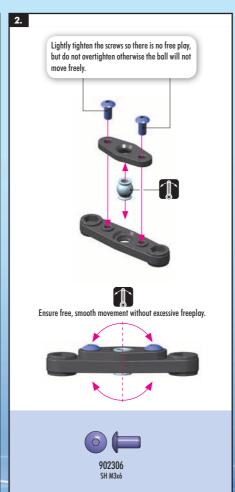


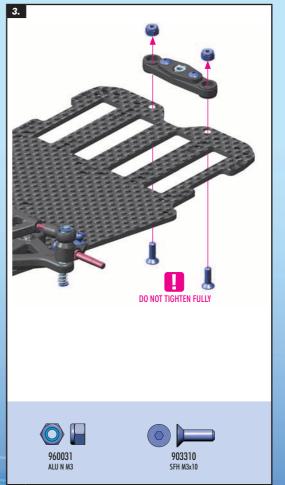


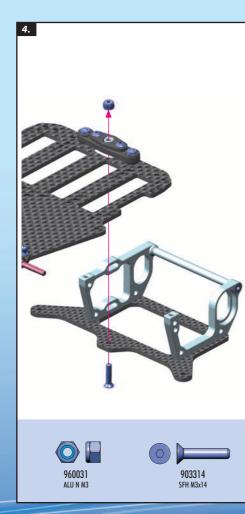


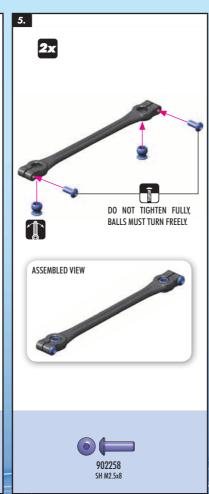


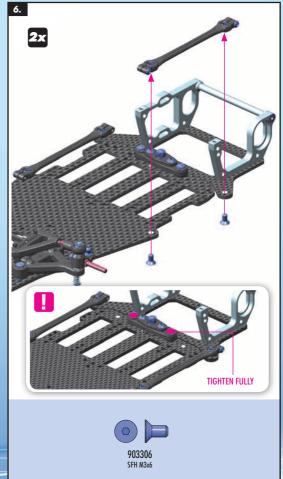


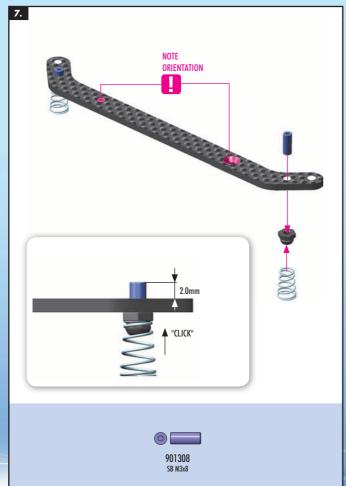


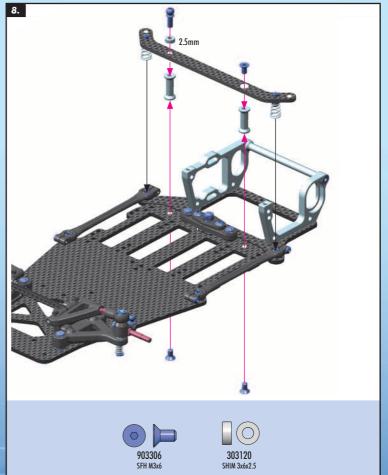


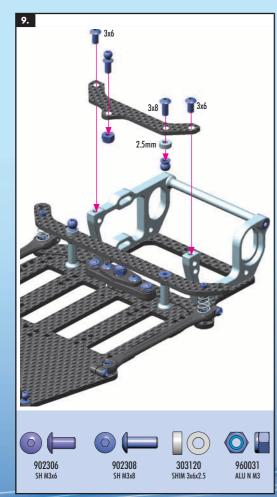


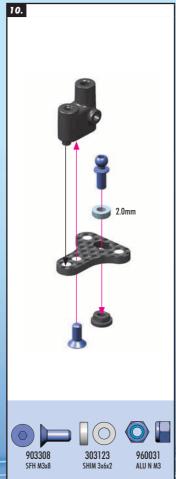


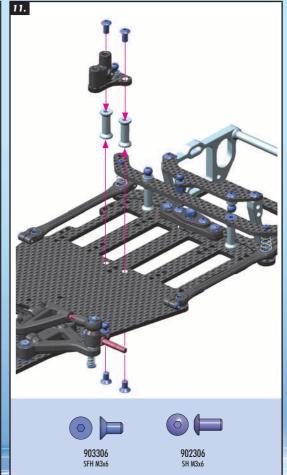




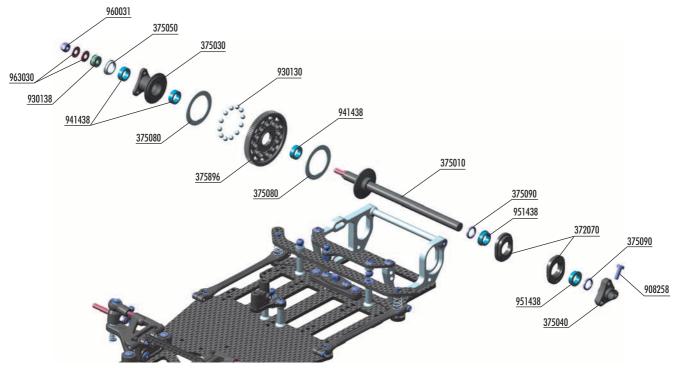








# 4. BALL DIFFERENTIAL



BAG



 372070
 COMPOSITE RIDE HEIGHT ADJUSTER SET (2)

 375010
 REAR AXLE SHAFT - GRAPHITE

 375030
 ALU REAR WHEEL HUB - RIGHT

 375040
 ALU REAR WHEEL HUB - LEFT

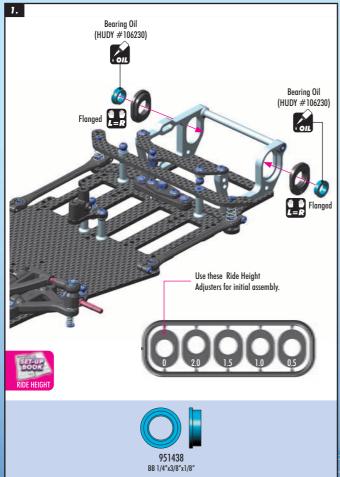
 375050
 ALU DIFF HUB

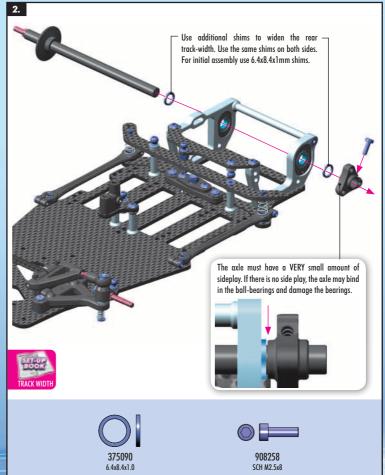
 375080
 D-LOCK DIFF PLATE (2)

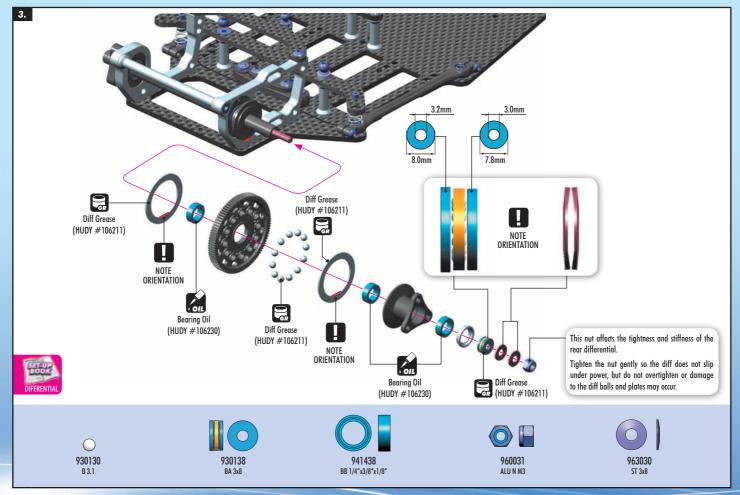
 375090
 SET OF ALU SHIMS (0.5MM, 1.0MM, 2.0MM)

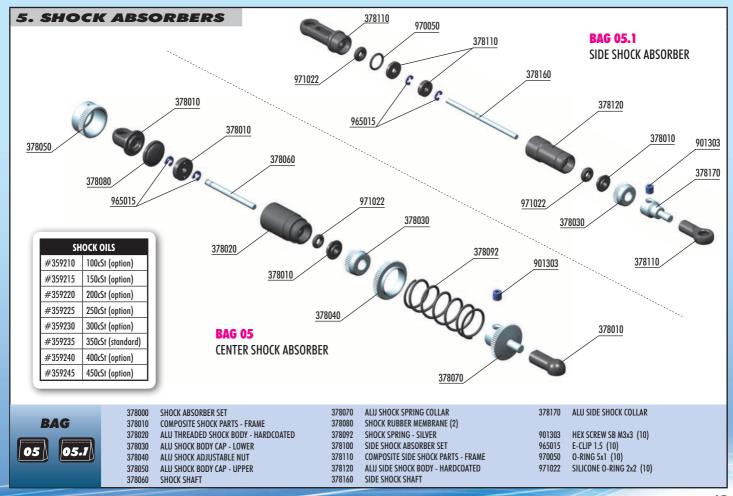
375896 COMPOSITE SPUR GEAR - 96T / 64P

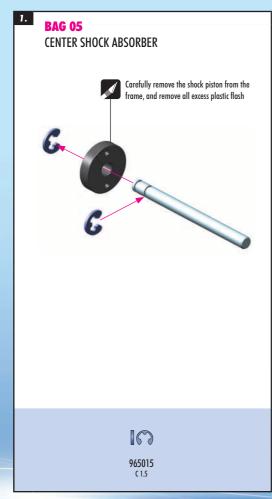
908258 HEX SCREW SOCKET HEAD CAP M2.5x8 (10)
930130 CARBIDE BALL 3.175MM (12)
930138 CARBIDE BALL-BEARING AXIAL F3-8 3x8x3.5
HIGH-SPEED BALL-BEARING 1/4"x3/8"x1/8" RUBBER SEALED (2)
951348 BALL-BEARING 1/4" x 3/8" x 1/8" FLANGED (2)
960031 ALU NUT M3 (10)
963030 CONE WASHER ST 3x8x0.5 (10)

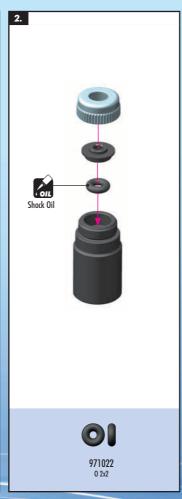




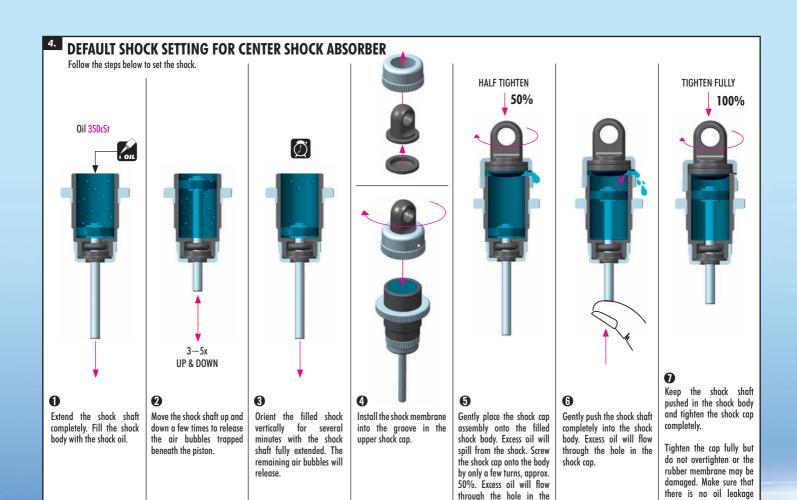








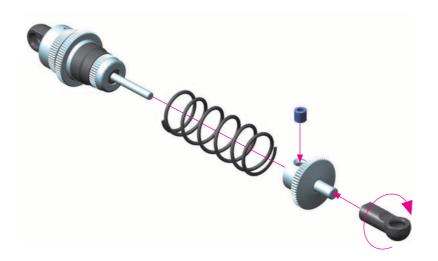


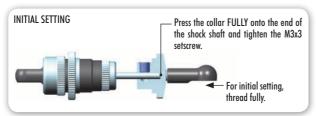


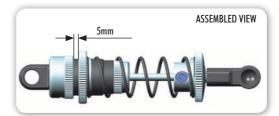
shock cap.

after the cap is tightened.

5.





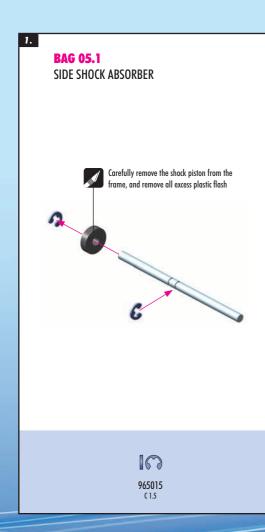


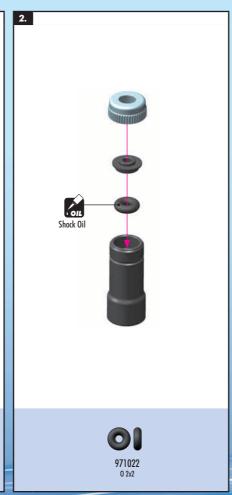


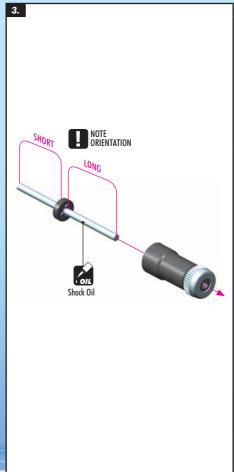




901303 SB M3x3











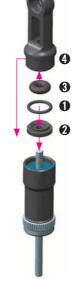




- 1) Slowly move the shock shaft up so the shock oil will flow under the shock piston.
  2) Extend the shock shaft.



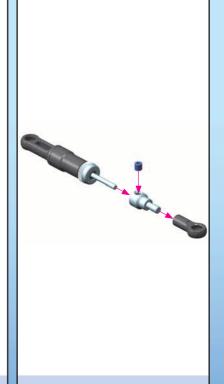
Extend the shock shaft completly to release the air trapped beneath the shock piston. Fill the shock shaft body with the shock oil but not fully approx. 3mm from the top of the shock body.



- 1) Install the 5x1 o-ring onto shock shim.
- 2) Place the shock shim with the o-ring into the shock body. 3) Install the 2x2 o-ring
- into the shock cap.
- 4) Install the shock cap.



Screw fully the shock cap in the filled shock body. Excess oil will spill from the shock. Tighten completly.



901303

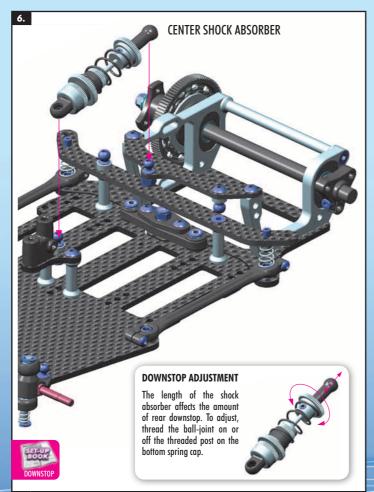
SB M3x3

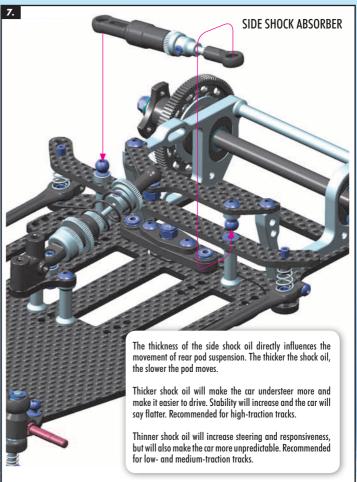


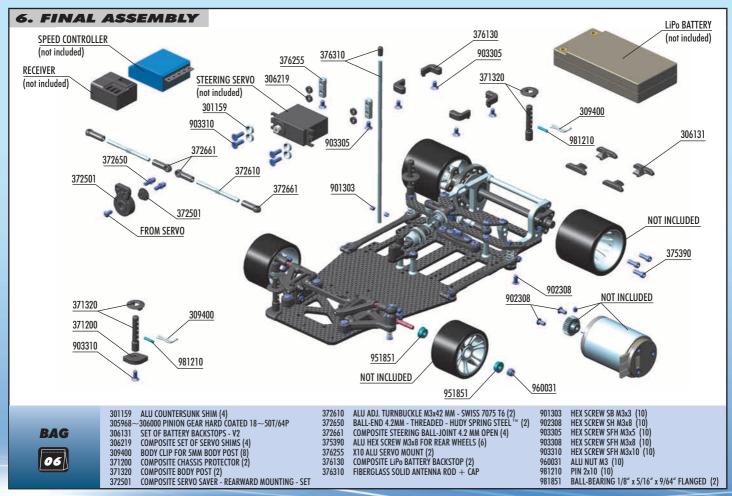
971022 0 2x2

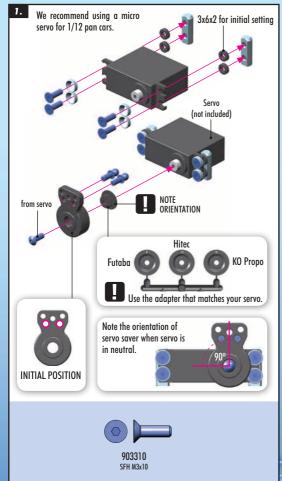


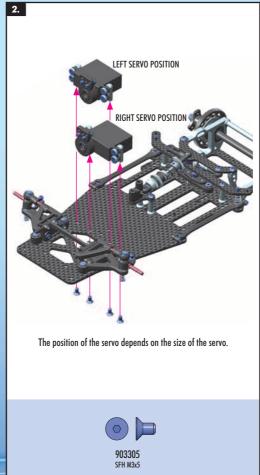
0.5x1

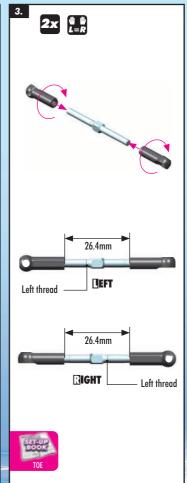


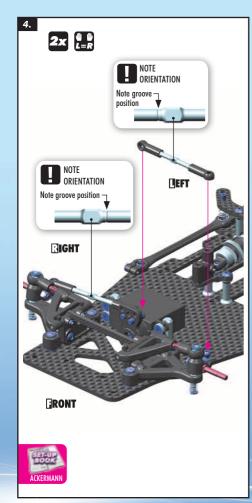


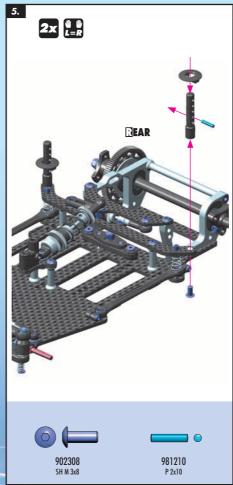


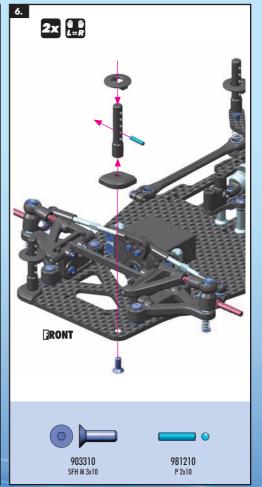


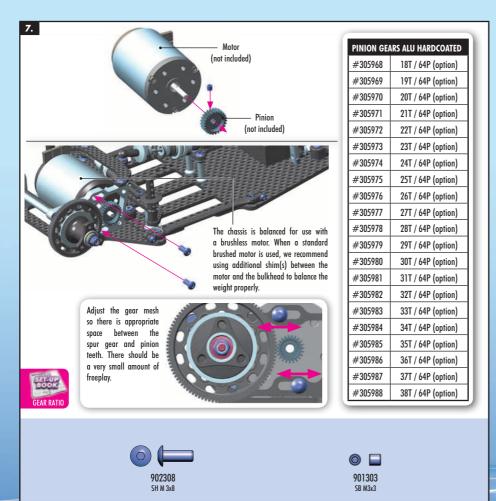


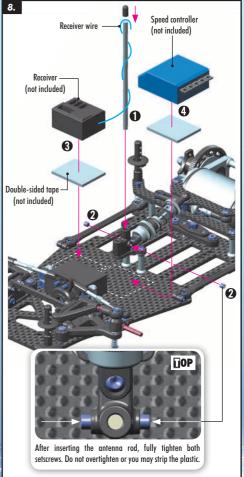


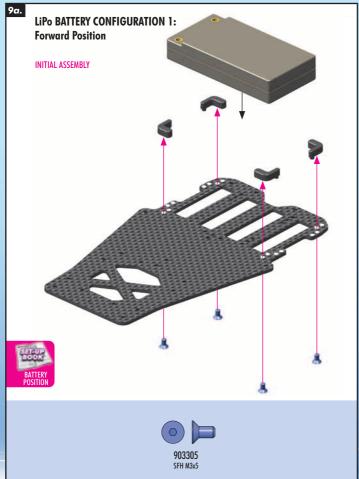


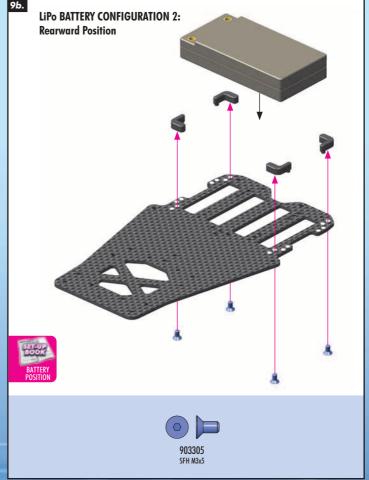


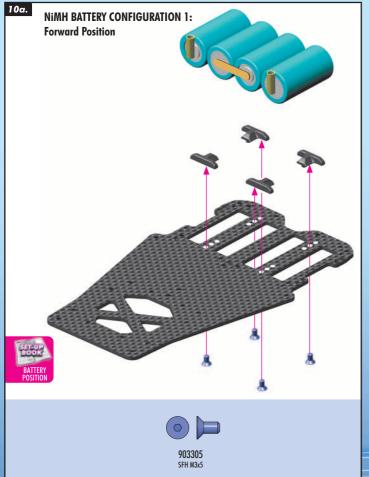


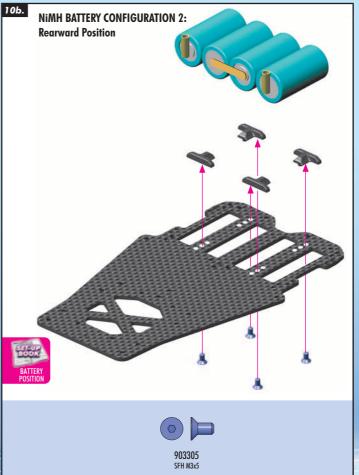


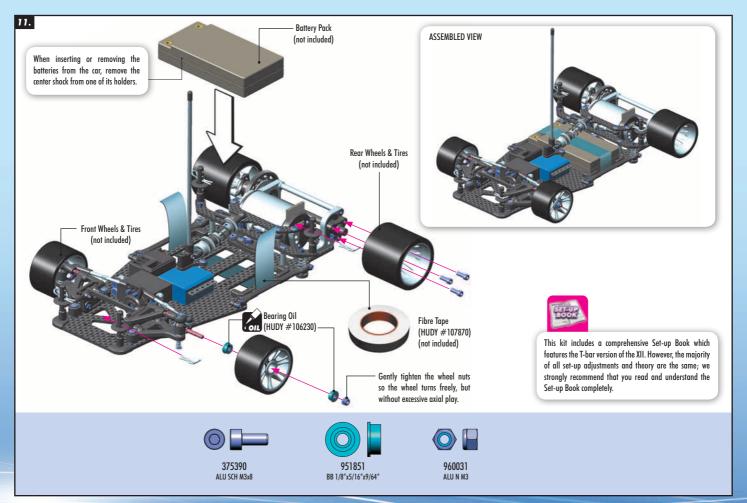












NOTES	

