

#### **BEFORE YOU START**

The T3 is a high-competition, high-quality, 1/10-scale touring 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 racing 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 T3, 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, the included set-up book, and examine all details carefully. If for some reason you decide The T3 is not what you wanted or expected, do not continue any further. Your hobby dealer cannot accept your T3 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

#### **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 info@teamxray.com. Also, please visit our Web site at www.teamxray.com 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 Vystavisku 6992 91101 Trenčín Slovakia, EUROPE Phone: 421-32-7401100 Fax: 421-32-7401109

E-mail: info@teamxray.com

#### XRAY USA

RCAmerica, 2970 Blystone Lane, Suite 109 Dallas, Texas 75220 LISA

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.

#### SAFETY PRECAUTIONS

Contains:

LEAD (CAS 7439-92-1) ANTIMONY (CAS 7440-36-0)

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

**CAUTION: CANCER HAZARD** 

Contains lead, a listed carcinogen. Lead is harmful if ingested. Wash thoroughly after using. DO NOT use product while eating, drinking or using tobacco products. May cause chronic effects to gastrointestinal tract, CNS, kidneys, and blood. MAY CAUSE BIRTH DEFECTS.

When building, using and/or operating this model always wear protective glasses and gloves.

Take appropriate safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation! Please read the instruction manual before building and operating this model and follow all safety precautions. Always keep the instruction manual at hand for quick reference, even after completing the assembly. Use only genuine and original authentic XRAY parts for maximum performance. Using any third party parts on this model will void guaranty immediately.

Improper operation may cause personal and/or property damage. XRAY and its distributors have no control over damage resulting from shipping, improper construction, or improper usage. XRAY assumes and accepts no responsibility for personal and/or property damages resulting from the use of improper building materials, equipment and operations. By purchasing any item produced by XRAY, the buyer expressly warrants that he/she is in compliance with all applicable federal, state and local laws and regulation regarding the purchase, ownership and use of the item. The buyer expressly agrees to indemnify and hold harmless XRAY for all claims resulting directly or indirectly from the purchase, ownership or use of the product. By the act of assembling or operating this product, the user accepts all resulting liability. If the buyer is not prepared to accept this liability, then he/she should return this kit in new, unassembled, and unused condition to the place of purchase.



### 🔼 IMPORTANT NOTES - GENERAL

- This product is not suitable for children under 16 years of age without the direct supervision of a responsible and knowledgeable adult.
- Carefully read all manufacturers warnings and cautions for any parts used in the construction and use of your model.
- Assemble this kit only in places away from the reach of very small children.
- First-time builders and users should seek advice from people who have building experience in order to assemble the model correctly and to allow the model to reach its performance potential.
- Exercise care when using tools and sharp instruments.
- Take care when building, as some parts may have sharp edges.
- Keep small parts out of reach of small children. Children must not be allowed to put any parts in their mouth, or pull vinyl bag over their head.
- Read and follow instructions supplied with paints and/or cement, if used (not included in kit).
- Immediately after using your model, do NOT touch equipment on the model such as the motor and speed controller, because they generate high temperatures. You may seriously burn yourself seriously touching them.
- Follow the operating instructions for the radio equipment at all times.
- Do not put fingers or any objects inside rotating and moving parts, as this may cause damage or serious injury as your finger, hair, clothes, etc. may get caught.
- Be sure that your operating frequency is clear before turning on or running your model, and never share the same frequency with somebody else at the same time. Ensure that others are aware of the operating frequency you are using and when you are using it.
- Use a transmitter designed for ground use with RC cars. Make sure that no one else is using the same frequency as yours in your operating area. Using the same frequency at the same time, whether it is driving, flying or sailing, can cause loss of control of the RC model, resulting in a serious accident.
- Always turn on your transmitter before you turn on the receiver in the car. Always turn off the receiver before turning your transmitter off.

- · Keep the wheels of the model off the ground when checking the operation of the radio equipment.
- Disconnect the battery pack before storing your model.
- When learning to operate your model, go to an area that has no obstacles that can damage your model if your model suffers a collision.
- Remove any sand, mud, dirt, grass or water before putting your model away.
- If the model behaves strangely, immediately stop the model, check and clear the problem.
- To prevent any serious personal injury and/or damage to property, be responsible when operating all remote controlled models.
- The model car is not intended for use on public places and roads or areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
- Because the model car is controlled by radio, it is subject to radio interference from many sources that are beyond your control. Since radio interference can cause momentary loss of control, always allow a safety margin in all directions around the model in order to prevent collisions.
- Do not use your model:
  - Near real cars, animals, or people that are unaware that an RC car is being
  - In places where children and people gather
  - In residential districts and parks
  - In limited indoor spaces - In wet conditions
  - In the street
  - In areas where loud noises can disturb others, such as hospitals and residential areas.
  - At night or anytime your line of sight to the model may be obstructed or impaired in any way.

To prevent any serious personal injury and/or damage to property, please be responsible when operating all remote controlled models.



### A

#### IMPORTANT NOTES - ELECTRICAL

- Insulate any exposed electrical wiring (using heat shrink tubing or electrical tape) to prevent dangerous short circuits. Take maximum care in wiring, connecting and insulating cables. Make sure cables are always connected securely. Check connectors for if they become loose. And if so, reconnect them securely. Never use R/C models with damaged wires. A damaged wire is extremely dangerous, and can cause short-circuits resulting in fire. Please have wires repaired at your local hobby shop.
- Low battery power will result in loss of control. Loss of control can occur due to
  a weak battery in either the transmitter or the receiver. Weak running battery
  may also result in an out of control car if your car's receiver power is supplied
  by the running battery. Stop operation immediately if the car starts to slow
  down.
- · When not using RC model, always disconnect and remove battery.
- Do not disassemble battery or cut battery cables. If the running battery short-circuits, approximately 300W of electricity can be discharged, leading to fire or burns. Never disassemble battery or cut battery cables.
- Use a recommended charger for the receiver and transmitter batteries and follow the instructions correctly. Over-charging, incorrect charging, or using inferior chargers can cause the batteries to become dangerously hot.

- Recharge battery when necessary. Continual recharging may damage battery and, in the worst case, could build up heat leading to fire. If battery becomes extremely hot during recharging, please ask your local hobby shop for check and/or repair and/or replacement.
- Regularly check the charger for potential hazards such as damage to the
  cable, plug, casing or other defects. Ensure that any damage is rectified
  before using the charger again. Modifying the charger may cause short-circuit
  or overcharging leading to a serious accident. Therefore do not modify the
  charger.
- · Always unplug charger when recharging is finished.
- Do not recharge battery while battery is still warm. After use, battery retains heat. Wait until it cools down before charging.
- Do not allow any metal part to short circuit the receiver batteries or other electrical/electronic device on the model.
- Immediately stop running if your RC model gets wet as may cause short circuit.
- Please dispose of batteries responsibly. Never put batteries into fire.

#### R/C & BUILDING TIPS

- Make sure all fasteners are properly tightened. Check them periodically.
- Make sure that chassis screws do not protrude from the chassis.
- For the best performance, it is very important that great care is taken to ensure the free movement of all parts.
- Clean all ball-bearings so they move very easily and freely.
- Tap or pre-thread the plastic parts when threading screws.
- Self-tapping screws cut threads into the parts when being tightened. Do not use
  excessive force when tightening the self-tapping screws because you may strip
  out the thread in the plastic. We recommended you stop tightening a screw
  when you feel some resistance.
- Ask your local hobby shop for any advice.

Please support your local hobby shop. We at XRAY Model Racing Cars support all local hobby dealers. Therefore we ask you, if at all possible, to purchase XRAY products at your hobby dealer and give them your support like we do. If you have difficulty finding XRAY products, please check out www.teamxray.com to get advice, or contact us via email at info@teamxray.com, or contact the XRAY distributor in your country.

#### **WARRANTY**

XRAY guarantees this model kit to be free from defects in both material and workmanship within 30 days of purchase. The total monetary value under warranty will in no case exceed the cost of the original kit purchased. This warranty does not cover any components damaged by use or modification or as a result of wear. Part or parts missing from this kit must be reported within 30 days of purchase. No part or parts will be sent under warranty without proof of purchase. Should you find a defective or missing part, contact the local distributor. Service and customer support will be provided through local hobby store where you have purchased the kit, therefore make sure to purchase any XRAY products at your local hobby store. This model racing car is considered to be a high-performance racing vehicle. As such this vehicle will be used in an extreme range of conditions and situations, all which may cause premature wear or failure of any component. XRAY has no control over usage of vehicles once they leave the dealer, therefore XRAY can only offer warranty against all manufacturer's defects in materials, workmanship, and assembly at point of sale and before use. No warranties are expressed or implied that cover damage caused by what is considered normal use, or cover or imply how long any model cars' components or electronic components will last before requiring

Due to the high performance level of this model car you will need to periodically maintain and replace consumable components. Any and all warranty coverage will not cover replacement of any part or component damaged by neglect, abuse, or improper or unreasonable use. This includes but is not limited to

damage from crashing, chemical and/or water damage, excessive moisture, improper or no maintenance, or user modifications which compromise the integrity of components. Warranty will not cover components that are considered consumable on RC vehicles. XRAY does not pay nor refund shipping on any component sent to XRAY or its distributors for warranty. XRAY reserves the right to make the final determination of the warranty status of any component or part.

#### **Limitations of Liability**

XRAY makes no other warranties expressed or implied. XRAY shall not be liable for any loss, injury or damages, whether direct, indirect, special, incidental, or consequential, arising from the use, misuse, or abuse of this product and/or any product or accessory required to operate this product. In no case shall XRAY's liability excess the monetary value of this product.

Take adequate safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation.

Disregard of the any of the above cautions may lead to accidents, personal injury, or property damage. XRAY MODEL RACING CARS assumes no responsibility for any injury, damage, or misuse of this product during assembly or operation, nor any addictions that may arise from the use of this product.

All rights reserved.

#### **QUALITY CERTIFICATE**

XRAY MODEL RACING CARS uses only the highest quality materials, the best compounds for molded parts and the most sophisticated manufacturing processes of TQM (Total Quality Management). We guarantee that all parts of a newly-purchased kit are manufactured with the highest regard to quality. However, due to the many factors inherent in model racecar competition, we cannot guarantee

any parts once you start racing the car. Products which have been worn out, abused, neglected or improperly operated will not be covered under warranty. We wish you enjoyment of this high-quality and high-performance RC car and wish you best success on the track!

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.



#### CONTENTS

	WARNINGS	2-3	4.	STEERING	14-15
	TOOLS AND ACCESSORIES	4	5.	FRONT & REAR TRANSMISSION	16-20
0.	KIT	5	6.	SHOCK ABSORBERS	21-23
1.	ALU BALL DIFF. & FRONT SOLID AXLE	6-7	<b>7.</b>	FRONT & REAR ASSEMBLY	24-26
2.	CENTRAL TRANSMISSION	8-10	<b>7.</b>	FINAL ASSEMBLY	27-29
3.	FRONT & REAR SUSPENSION	11-13		TECH TIPS & MULTI-FLEX TECHNOLOGY	30-31

### SYMBOLS USED













WRONG

The threads

are stripped.

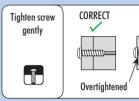


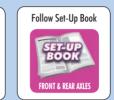












# **TOOLS REQUIRED**













# **EQUIPMENT INCLUDED**





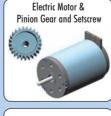


# **EQUIPMENT REQUIRED**













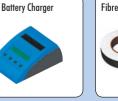














#### **COLOR INDICATIONS**

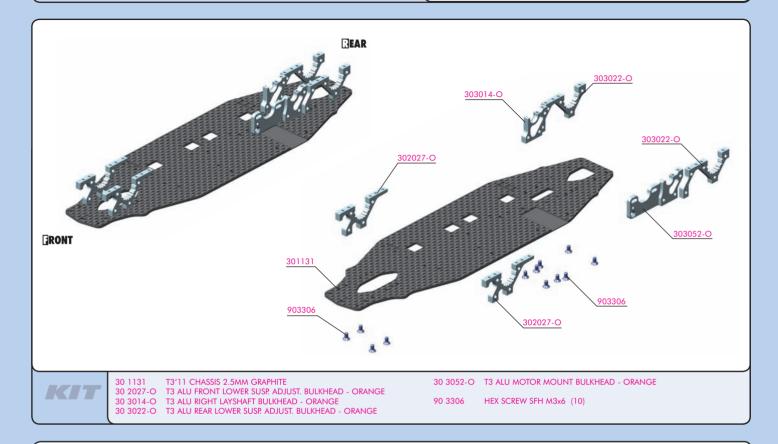
At the beginning of each section is an exploded view of the parts to be assembled. There is also a list of all the parts and part numbers that are related to the assembly of that section.

The part descriptions are color-coded to make it easier for you to identify the source of a part. Here are what the different colors mean:

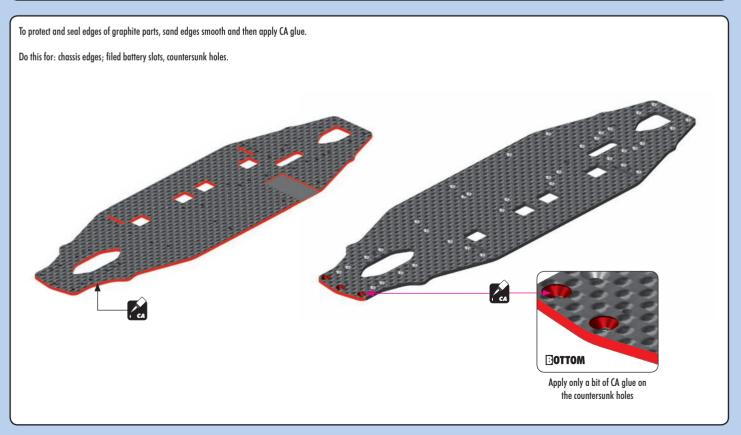
STYLE A - indicates parts that are included in the bag marked for the section.

STYLE B - indicates parts that were set aside in Section 0.

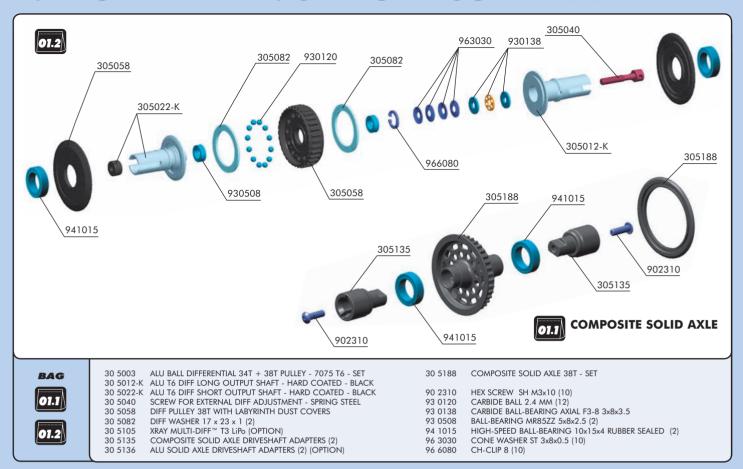
STYLE C - indicates parts that are already assembled from previous steps.

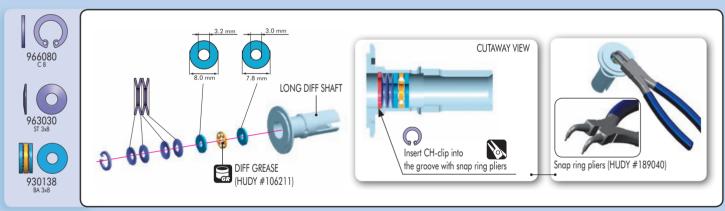


The XRAY T3 comes partially pre-assembled. Before starting assembly, disassemble the chassis parts, noting the position and orientation of the parts, particularly the bulkheads. Keep the parts, including the screw hardware, close at hand. In the assembly steps that follow, each section begins with a parts list. Parts indicated with STYLE B are from the previously disassembled chassis parts in section 0.

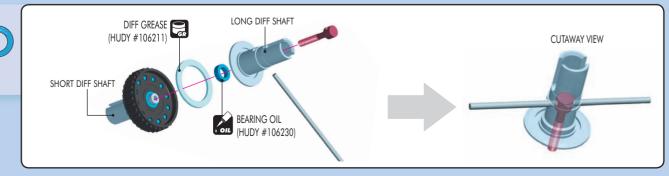


### 1. ALU BALL DIFF. & FRONT SOLID AXLE



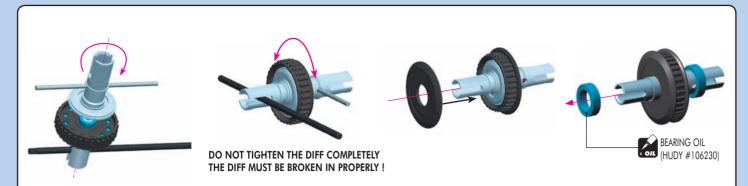






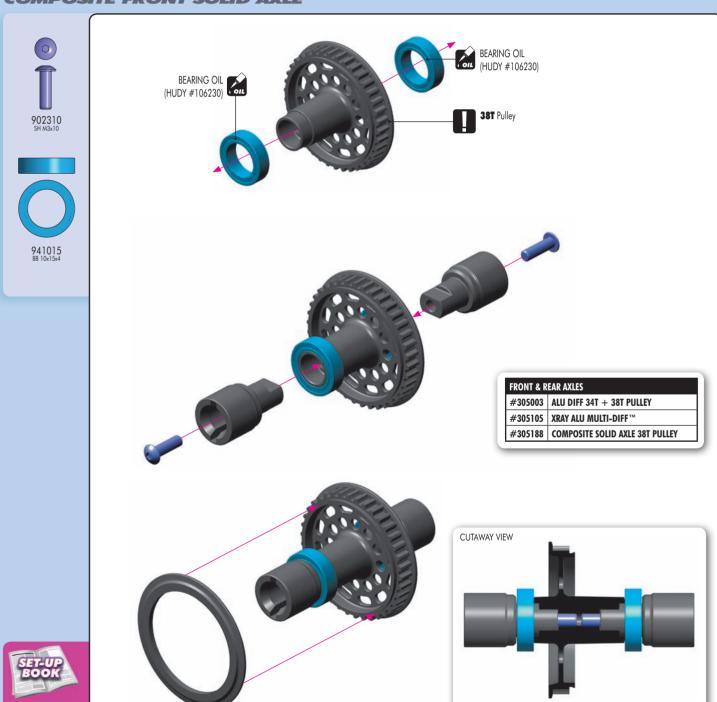
930508 BB 5x8

## 1. ALU BALL DIFF. & FRONT SOLID AXLE



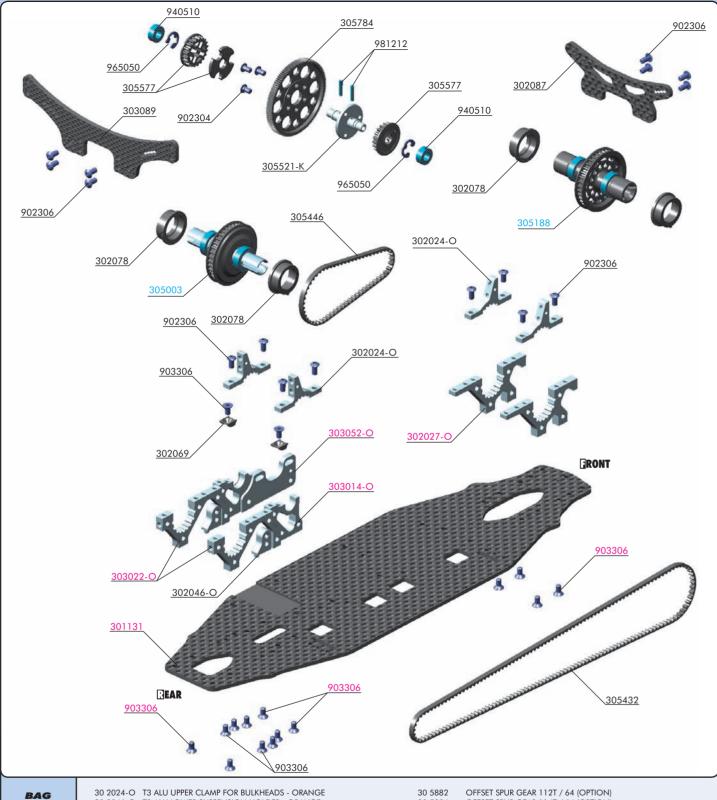
**IMPORTANT:** When you build the differential, do not tighten it fully initially; the differential needs to be broken in properly. When you build the diff tighten it very gently. When you put the diff in the car and complete the assembly, run the car for a few minutes, tighten the diff a little bit, and then recheck the diff. Repeat this process several times until you have the diff tightened to the point you want it. Final adjustments should ALWAYS be made with the diff in the car and on the track.

#### COMPOSITE FRONT SOLID AXLE



FRONT & REAR AXLES

### 2. CENTRAL TRANSMISSION





30 5878 30 5880

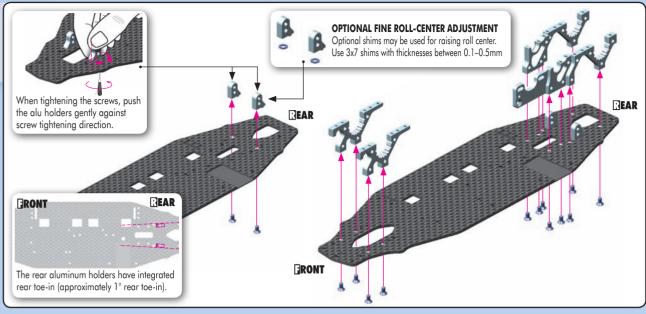
30 2046-0	T3 ALU LOWER SUSPENSION HOLDER - ORANGE
30 2069	T3 COMPOSITE LAYSHAFT BEARING SUPPORT SHIM (2)
30 2077	SET OF COMPOSITE HUBS +1MM FOR BULKHEADS (4+2) (OPTION)
30 2078	SET OF COMPOSITE HUBS FOR BULKHEADS (4+2)
30 2087	SHOCK TOWER FRONT 3.0MM GRAPHITE - V2
30 3089	T3 SHOCK TOWER REAR 3.0MM GRAPHITE
30 5432	HIGH-PERFORMANCE KEVLAR DRIVE BELT FRONT 3 x 513 MM
30 5446	HIGH-PERFORMANCE KEVLAR DRIVE BELT REAR 3 x 189 MM
30 5521-K	ALU SOLID LAYSHAFT - BLACK
30 5577	COMPOSITE FIXED PULLEY 20T (2)
30 5778	OFFSET SPUR GEAR 78T / 48 (OPTION)
30 5781	OFFSET SPUR GEAR 81T / 48 (OPTION)
30 5784	SPUR GEAR 84T / 48
30 5787	SPUR GEAR 87T / 48 (OPTION)
30 5862	OFFSET SPUR GEAR 92T / 64 (OPTION)
30 5866	OFFSET SPUR GEAR 96T / 64 (OPTION)
30 5870	OFFSET SPUR GEAR 100T / 64 (OPTION)
30 5874	OFFSET SPUR GEAR 104T / 64 (OPTION)
30 5876	OFFSET SPUR GEAR 106T / 64 (OPTION)
30 5878	OFFSET SPUR GEAR 108T / 64 (OPTION)
30 5880	OFFSET SPUR GEAR 110T / 64 (OPTION)

30 5882 30 5884 30 5886	OFFSET SPUR GEAR 112T / 64 (OPTION) OFFSET SPUR GEAR 114T / 64 (OPTION) OFFSET SPUR GEAR 116T / 64 (OPTION)
90 2304 90 2306 90 3306 94 0510 96 5050 98 1212	HEX SCREW SH M3x4 - STAINLESS (10) HEX SCREW SH M3x6 (10) HEX SCREW SFH M3x6 (10) HEX SCREW SFH M3x6 (10) HIGH-SPEED BALL-BEARING 5x10x4 RUBBER SEALED (2) E-CLIP 5 (10) PIN 2x12 (10)
30 5003 30 5188	ALU BALL DIFFERENTIAL 34T + 38T PULLEY - 7075 T6 - SET COMPOSITE SOLID AXLE 38T - SET
30 2027-O 30 3014-O 30 3022-O	T3'11 CHASSIS 2.5MM GRAPHITE T3 ALU FRONT LOWER SUSP. ADJUST. BULKHEAD - ORANGE T3 ALU RIGHT LAYSHAFT BULKHEAD - ORANGE T3 ALU REAR LOWER SUSP. ADJUST. BULKHEAD - ORANGE T3 ALU MOTOR MOUNT BULKHEAD - ORANGE HEX SCREW SFH M3x6 (10)

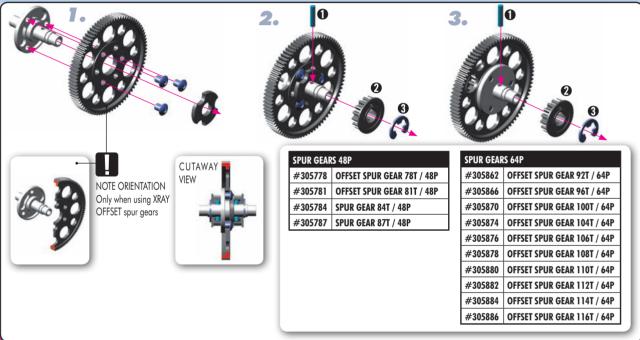


#### 2. CENTRAL TRANSMISSION

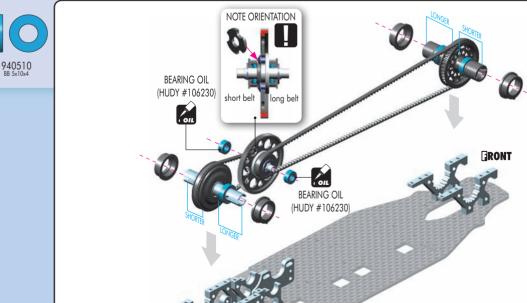


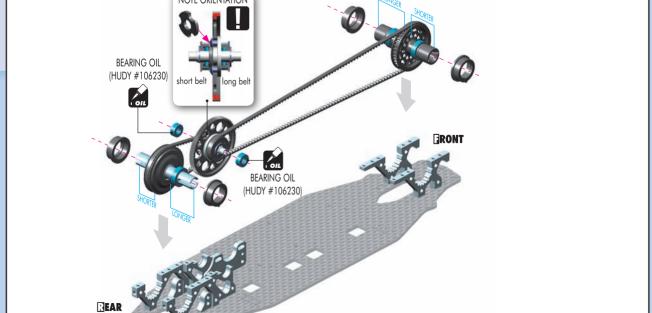




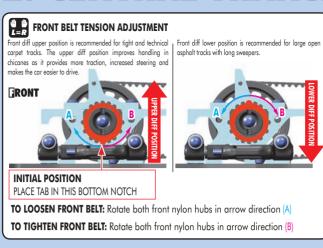


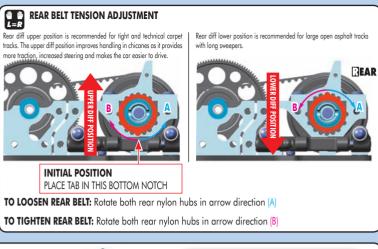


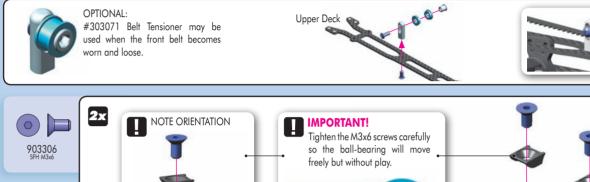




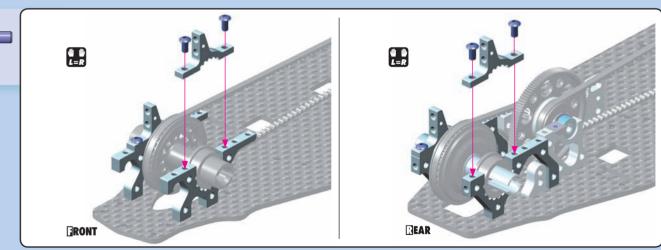
# 2. CENTRAL TRANSMISSION

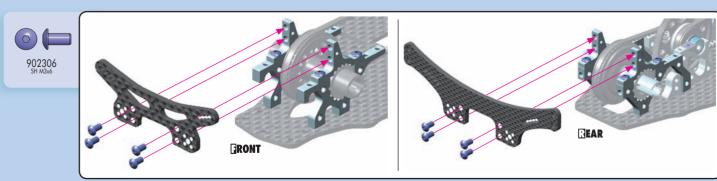






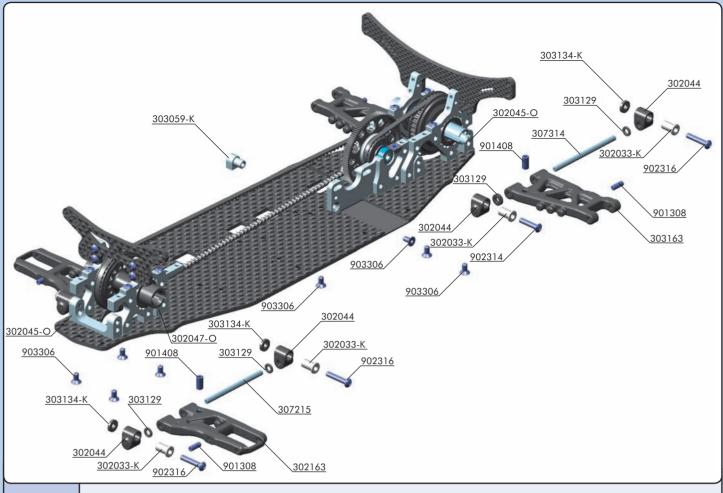






DETAIL

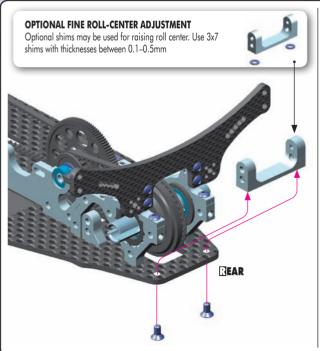
### 3. FRONT & REAR SUSPENSION

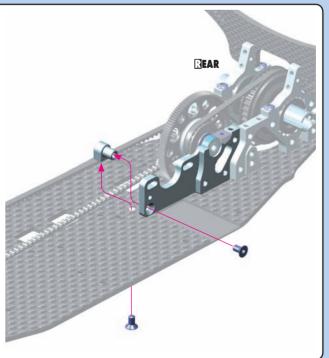


BAG 03

90 1308 HEX SCREW SB M3x8 (10) 90 1408 HEX SCREW SB M4x8 (10) 90 2314 HEX SCREW SH M3x14 (10) 90 2316 HEX SCREW SH M3x16 (10) 90 3306 HEX SCREW SFH M3x6 (10)

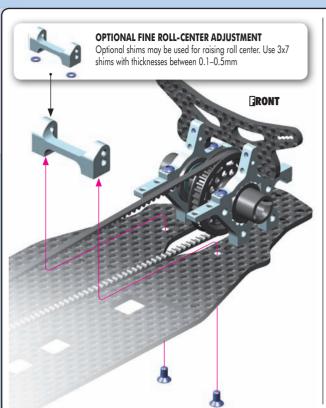


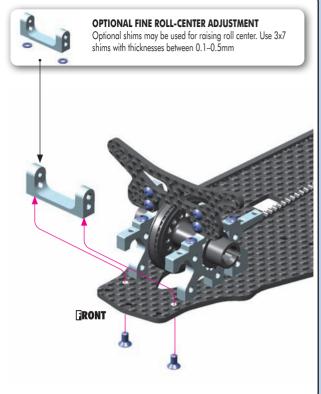




### 3. FRONT & REAR SUSPENSION















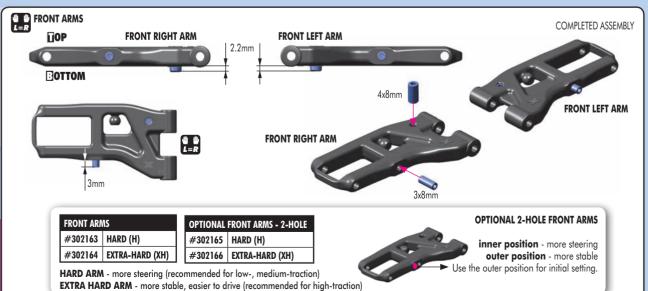




#303163 HARD (H) #303164 EXTRA-HARD (XH)

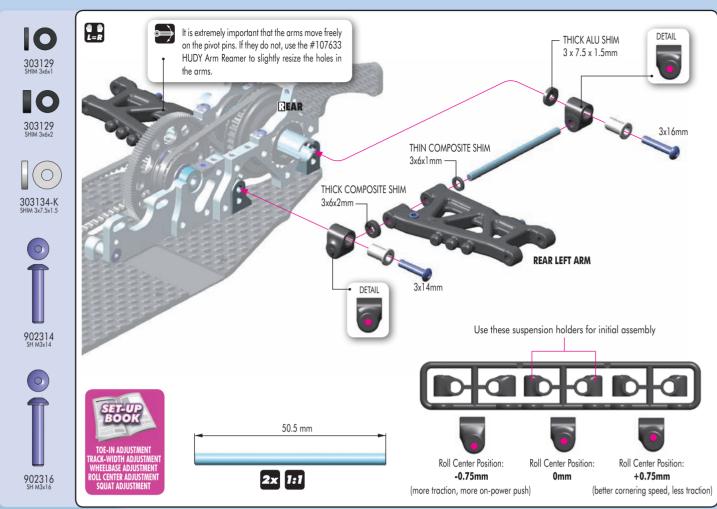
**HARD ARM** - more rear traction (recommended for low-, medium-traction) **EXTRA HARD ARM** - more steering (recommended for high-traction)

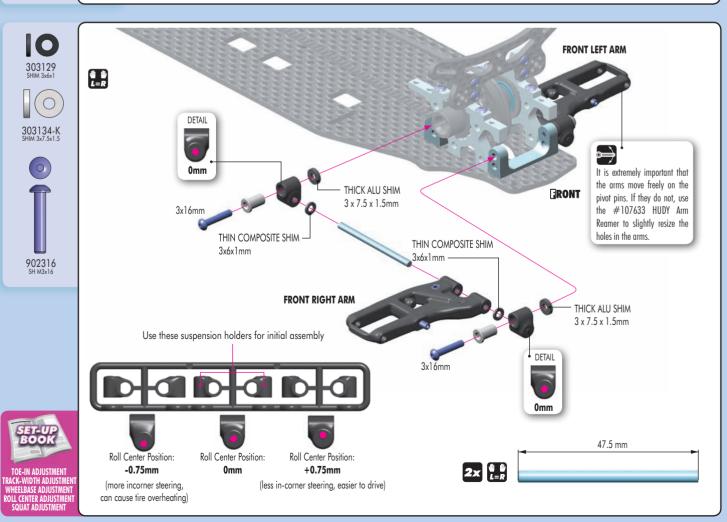




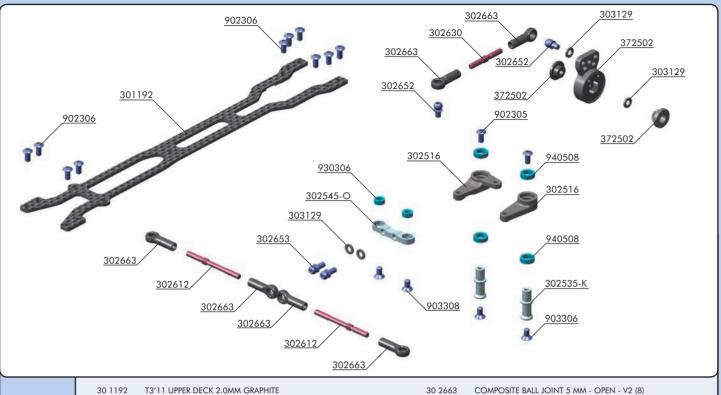


### 3. FRONT & REAR SUSPENSION





### 4. STEERING

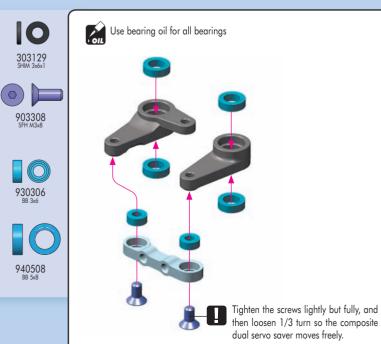


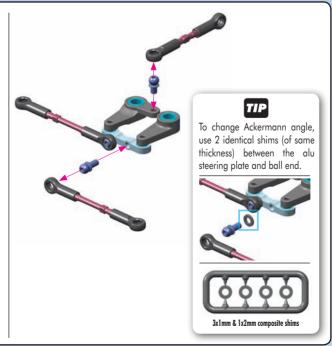


30 1192	T3'11 UPPER DECK 2.0MM GRAPHITE	30 2663	COMPOSITE BALL JOINT 5 MM - OPEN - V2 (8)
30 2506	XRAY DUAL SERVO SAVER SET	30 3129	COMPOSITE SET OF SHIMS (3x1MM; 1x2MM) (2)
30 2516	COMPOSITE DUAL SERVO SAVER ARM (L+R)	37 2502	COMPOSITE SERVO SAVER - STIFF - SET
30 2535	ALU STEERING POST FOR DUAL SERVO SAVER (2)		
30 2545-O	ALU STEERING PLATE FOR DUAL SERVO SAVER - ORANGE	90 2306	HEX SCREW SH M3x6 (10)
30 2610	ADJ. TURNBUCKLE M3 L/R 40 MM - HUDY SPRING STEEL (2) (OPTION)	90 3306	HEX SCREW SFH M3x6 (10)
30 2612	ALU ADJ. TURNBUCKLE M3 L/R 39 MM - SWISS 7075 T6 (2)	90 3308	HEX SCREW SFH M3x8 (10)
30 2630	ADJ. TURNBUCKLE L/R 20 MM - HUDY SPRING STEEL (2)	93 0306	BALL-BEARING 3x6x2.5 (2)
30 2652	BALL END 5 MM WITH THREAD (2)	94 0508	HIGH-SPEED BALL-BEARING 5x8x2.5 RUBBER SEALED (2)
30 2653	BALL END 4.9MM WITH THREAD 6MM (2)		

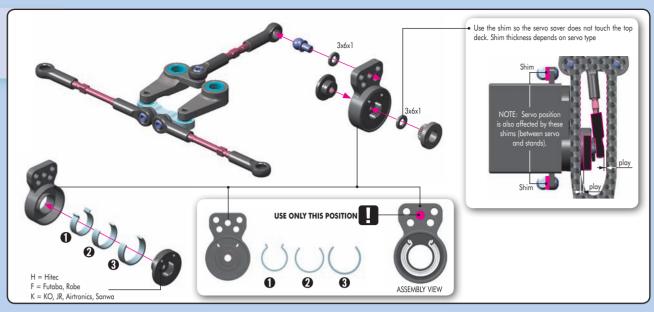




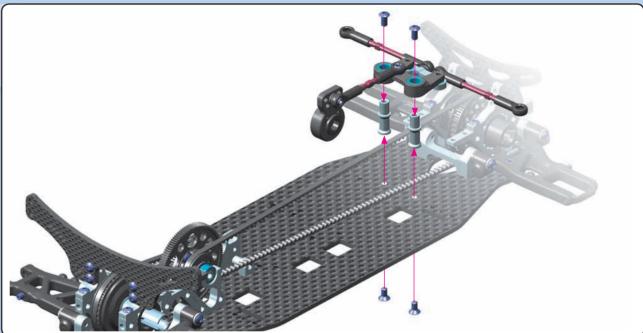


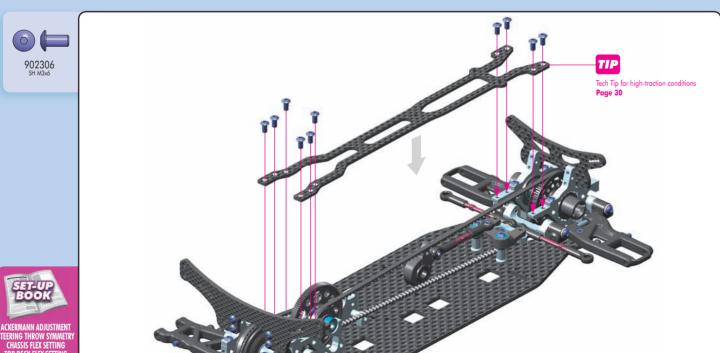




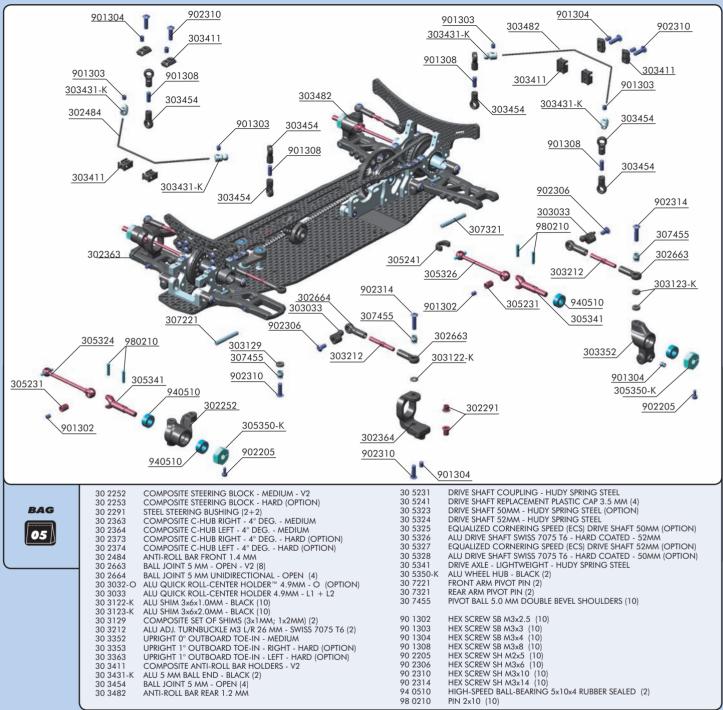


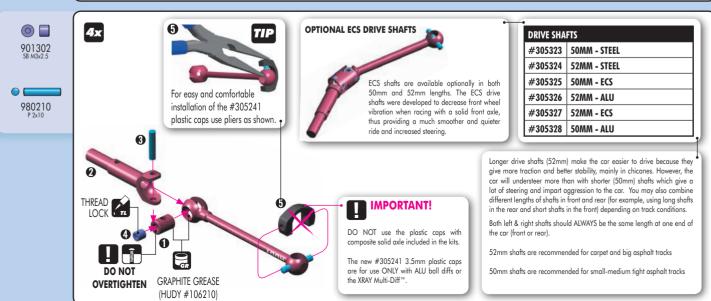


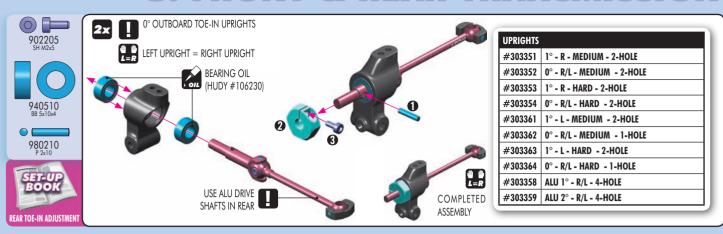


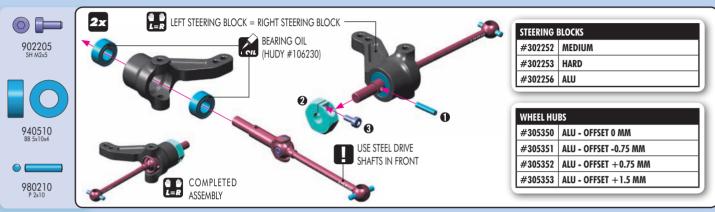


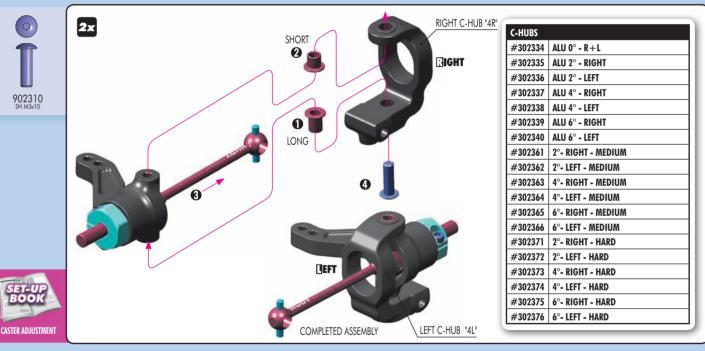


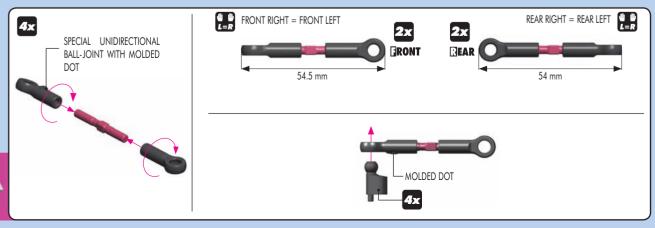




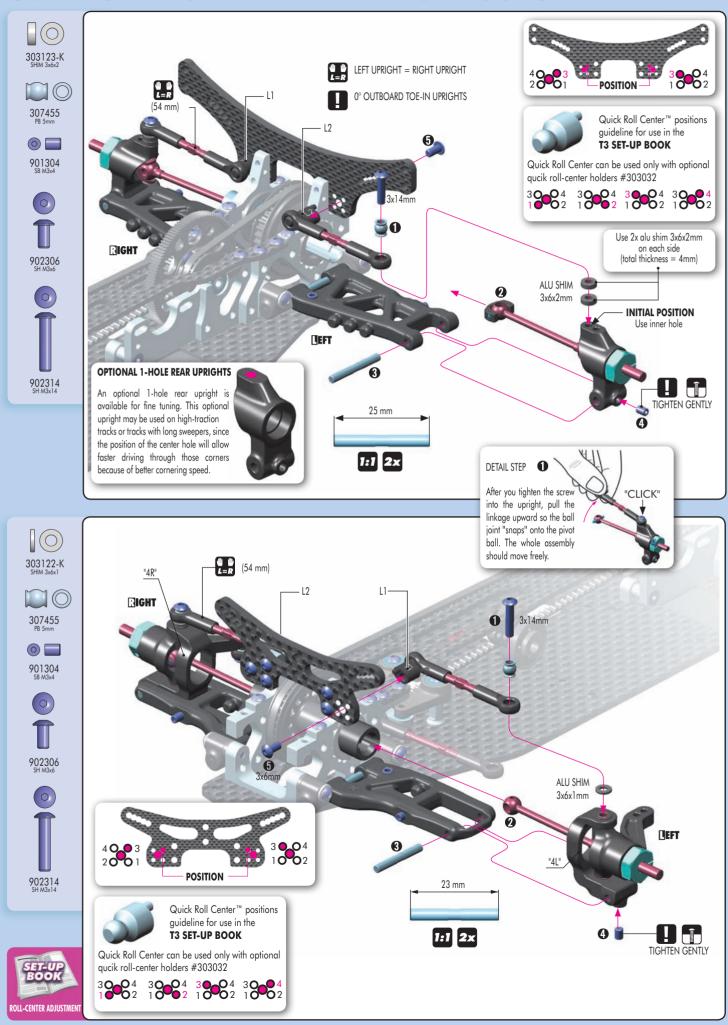


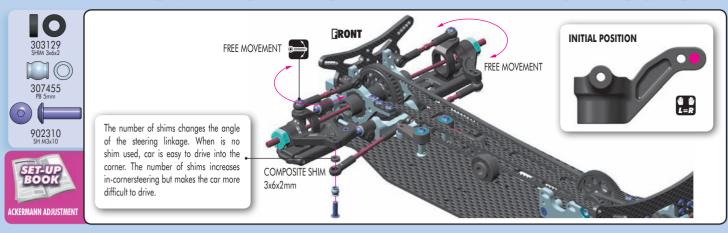




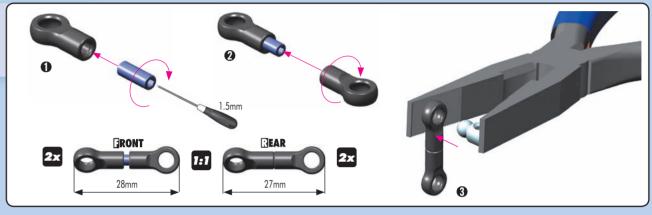




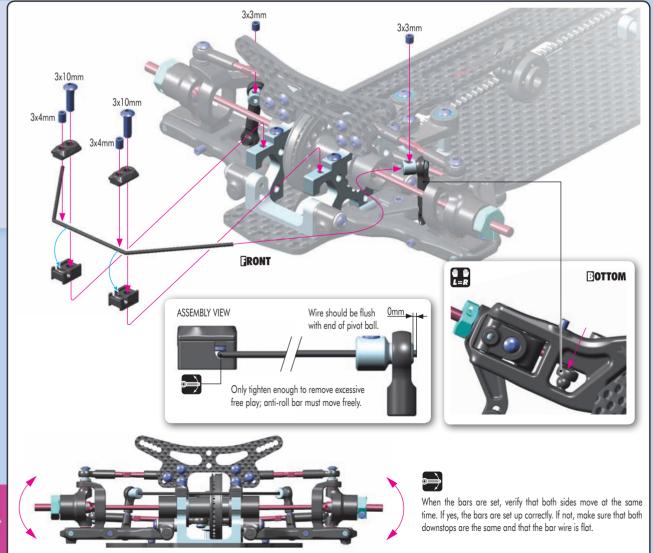






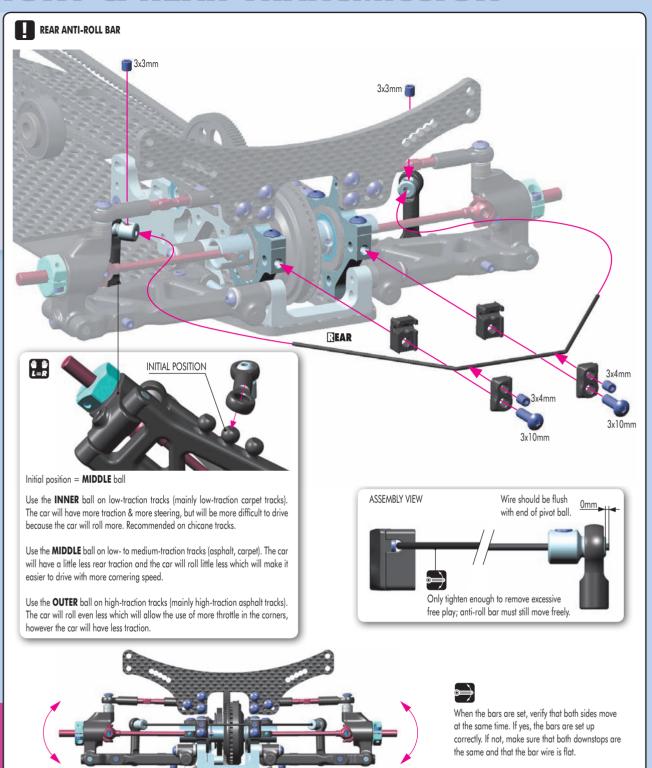




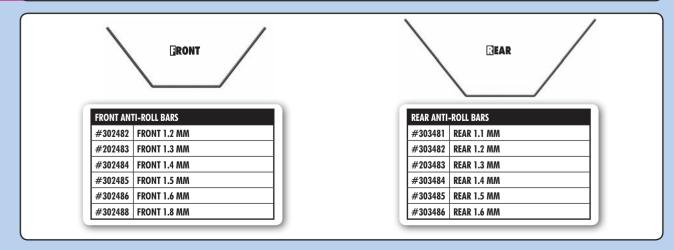




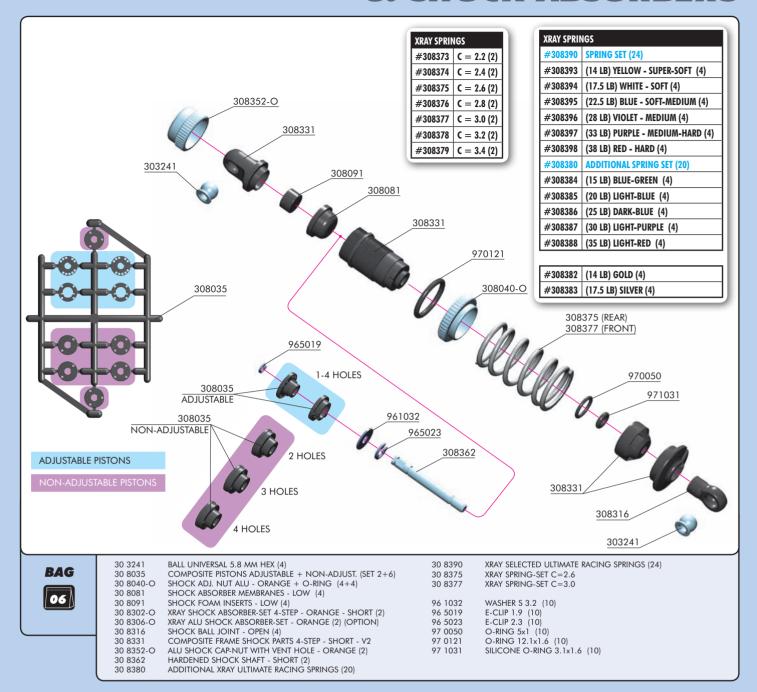




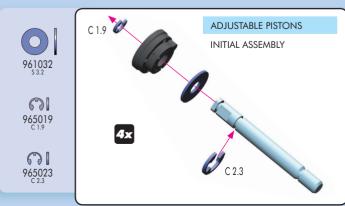


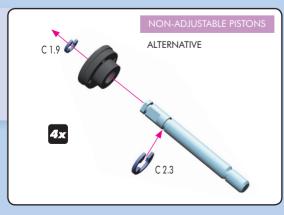


### 6. SHOCK ABSORBERS



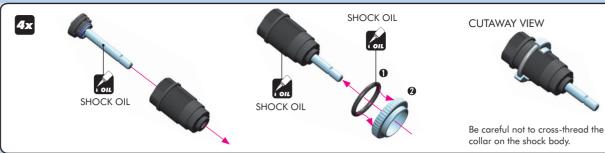






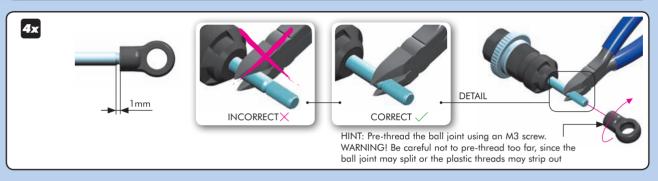
### 6. SHOCK ABSORBERS













#### SHOCK FILLING

- Fully extend the piston rod so the piston is at the bottom of the shock body.
- **2** Hold the shock upright and slightly overfill the shock body with shock oil.
- Set the oil settle and allow air bubbles to rise to the top. Slowly move the piston up and down until no more air bubbles appear. Add shock oil as necessary.
- Pull the piston rod most of the way out of the shock body. Let the shock rest for 5 minutes to allow the air bubbles to escape.

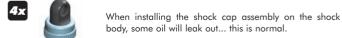






After you insert the membrane ensure that it sits properly all around the alu cup.





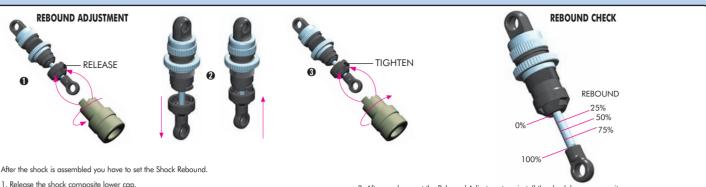
Tighten the cap gently and clean off any excess oil. If the cap it tightened too much, rebound is difficult to adjust. If the cap is not tightened enough, the cap may unscrew slightly and the shock may leak.

After the shock is assembled, the shock rod will push itself out of the shock body fairly quickly.

Follow the next procedure to adjust the rebound.

SHOCK OILS		#359245	450cSt
#359210	100cSt (XRAY 20W)	#359250	500cSt
#359215	150cSt	#359260	600cSt (XRAY 35W)
#359220	200cSt (XRAY 25W)	#359270	700cSt
#359225	250cSt	#359280	800cSt
#359230	300cSt	#359290	900cSt
#359235	350cSt (XRAY 30W)	#359301	1000cSt (XRAY 40W)
#359240	400cSt	#359302	2000cSt (XRAY 50W)





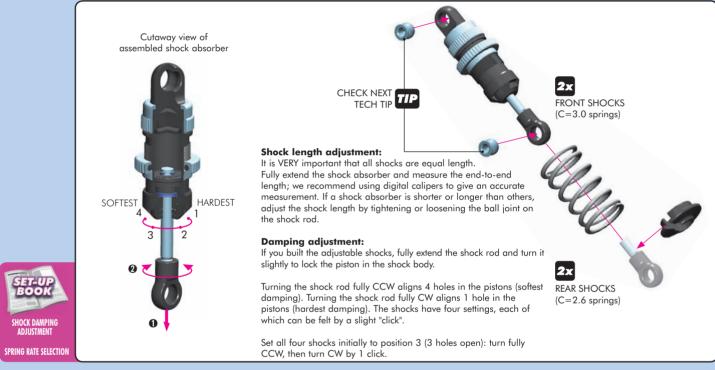
- 2. VERY SLOWLY do the following: Fully pull out the shock rod, push it back in fully, and then fully pull it out once more. Repeat this procedure the following number of times to achieve the desired Shock Rebound setting:
- 10 times approximately 75% rebound (high rebound suggested for very low traction track) 15 times approximately 50% rebound (medium rebound suggested for standard track) 20 times approximately 25% rebound (low rebound suggested for very high traction track)

During the Rebound Adjustment procedure shock oil will leak out of the shock body through the O-ring on the shock rod... this is normal. During the Rebound Adjustment procedure DO NOT open the upper shock cap

- 3. After you have set the Rebound Adjustment, re-install the shock lower composite cap.
- 4. Check the Shock Rebound setting by pushing the shock rod fully into the shock body, releasing it, and observing how far the shock rod extends by itself
- 25% out of the shock body (low rebound)
- \* 50% out of the shock body (medium rebound) \* 75% out of the shock body (high rebound).

If the shock rod rebounds too much, return to Step 1 and repeat the procedure.

If the shock rod does not rebound enough, you will have to refill the shock with shock oil, and then repeat the bleeding and Shock Rebound procedures



#### TECH TIP

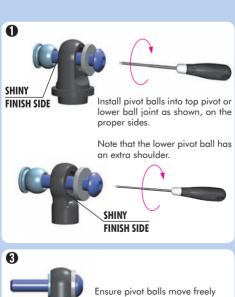
Follow this tech tip to properly install pivot balls into the top pivot and bottom ball joint.

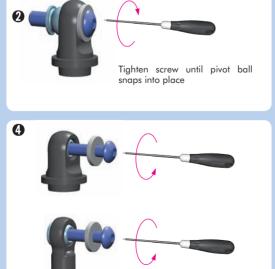
#### Parts Needed:

- M3 x 16 SH screw
- M3 shim

Note that the composite parts have two sides, noticeable around the pivot ball hole: one side has a shiny finish, the other side has a regular finish

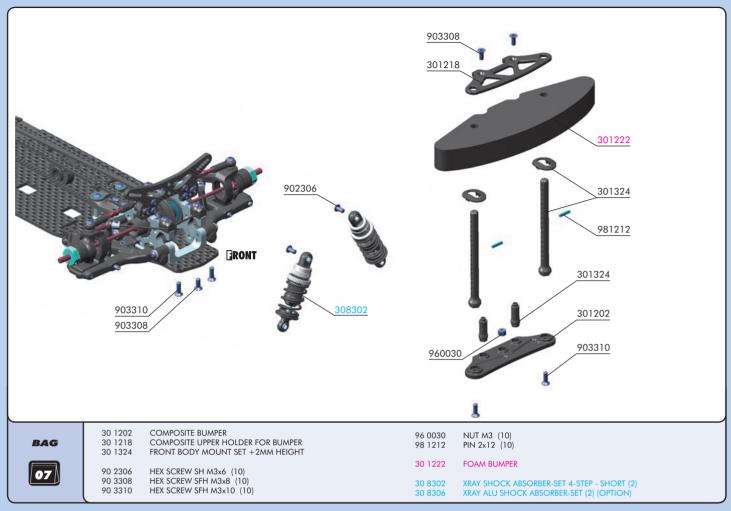


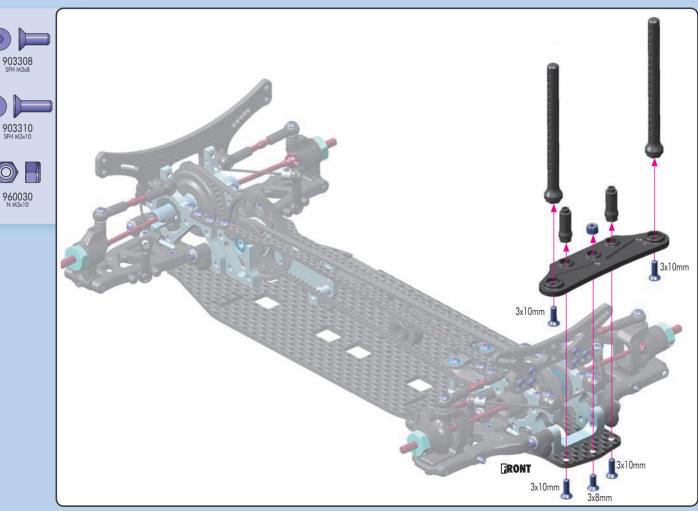




Remove screw and shim

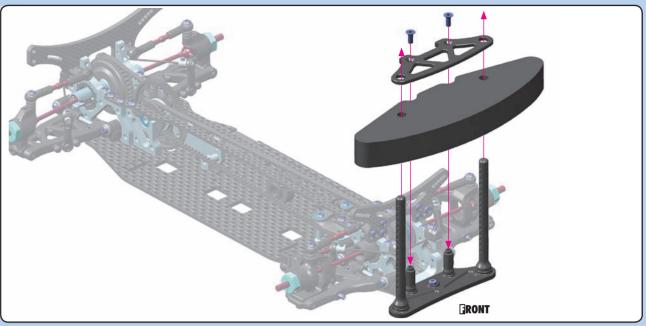
### 7. FRONT & REAR ASSEMBLY



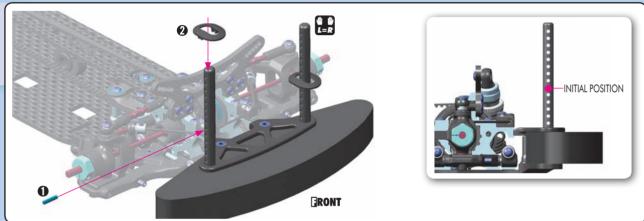


# 7. FRONT & REAR ASSEMBLY

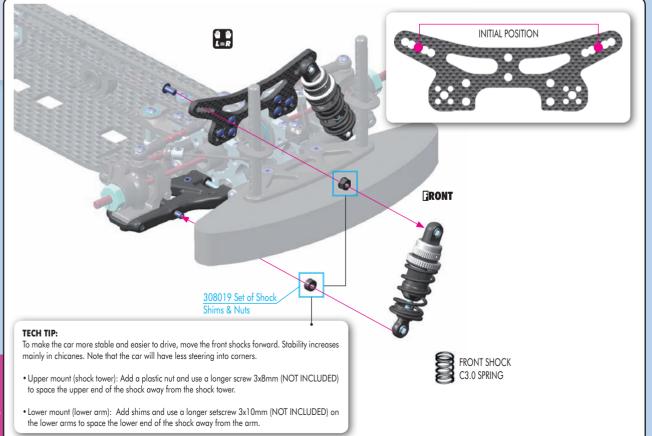




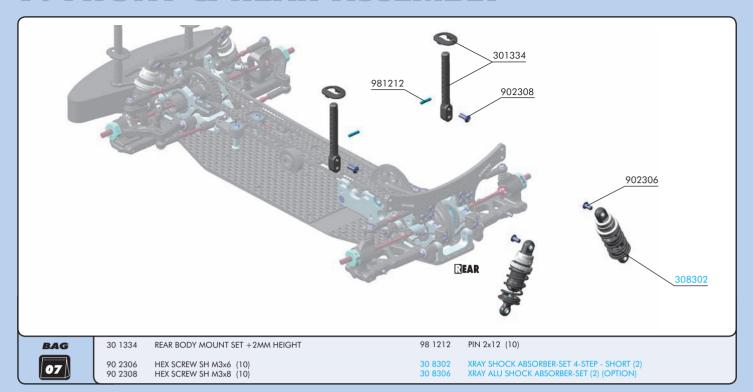






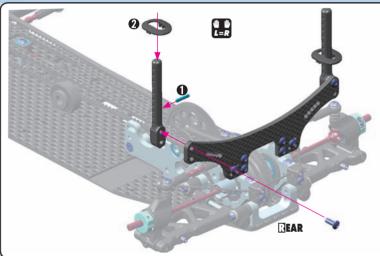


### 7. FRONT & REAR ASSEMBLY





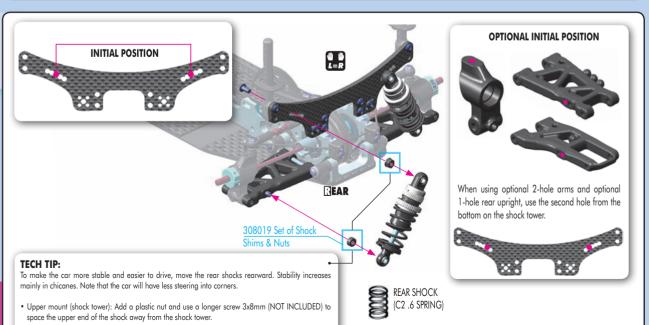
981212 P 2x12



 Lower mount (lower arm): Add shims and use a longer setscrew 3x10mm (NOT INCLUDED) on the lower arms to space the lower end of the shock away from the arm.

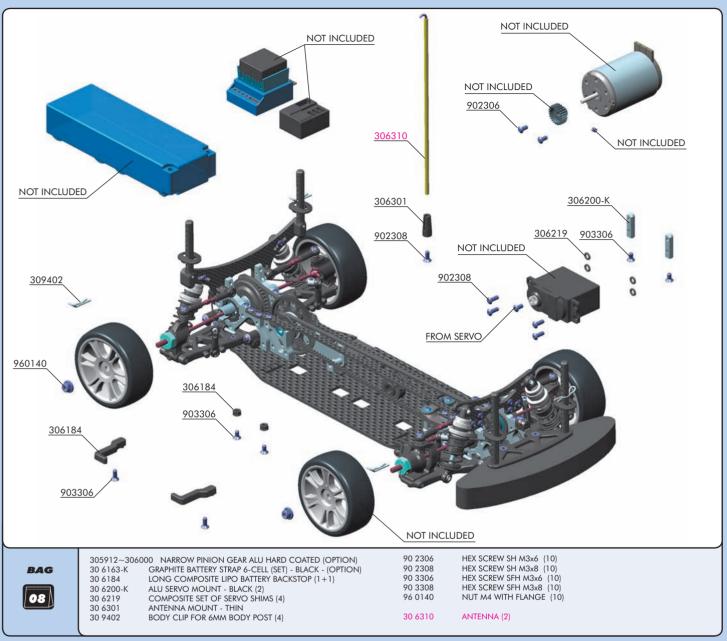


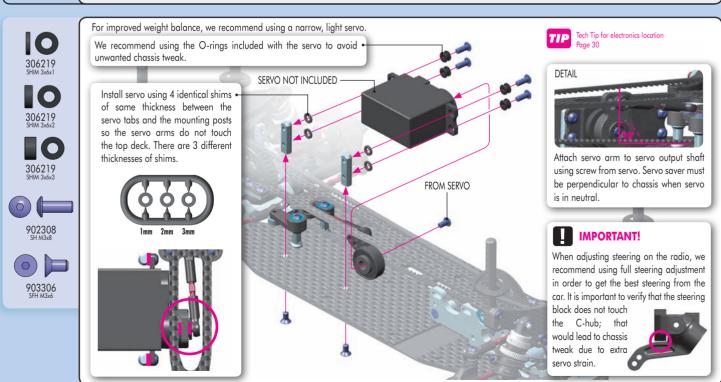






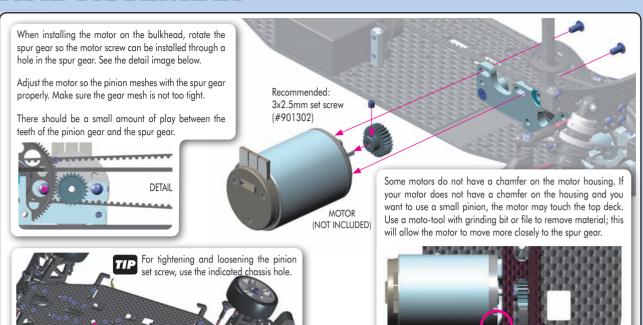
### 7. FINAL ASSEMBLY



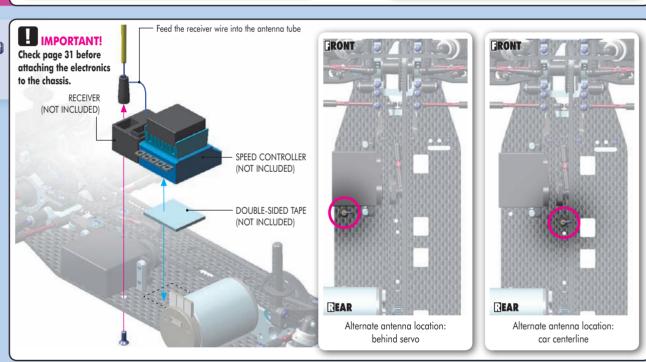


# 7. FINAL ASSEMBLY

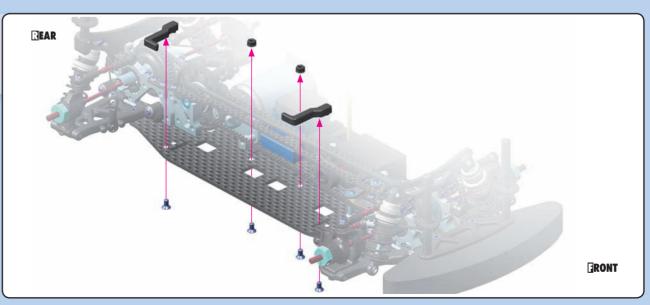




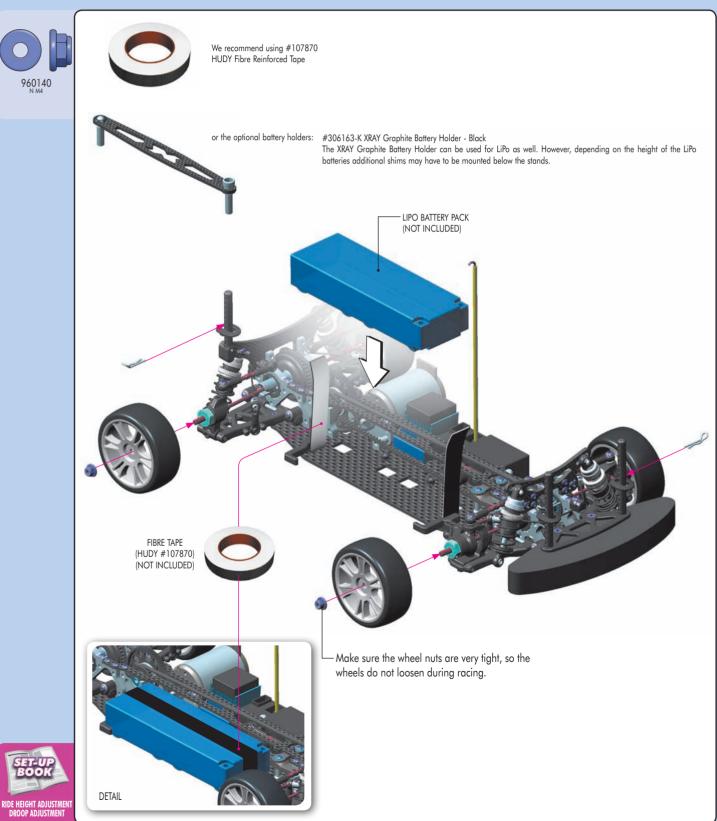








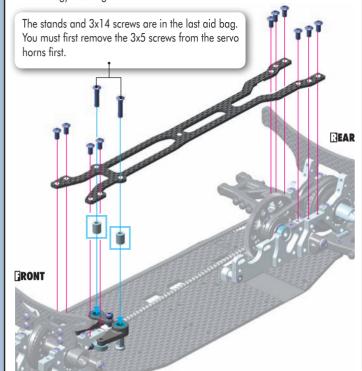




# F TECH TIPS

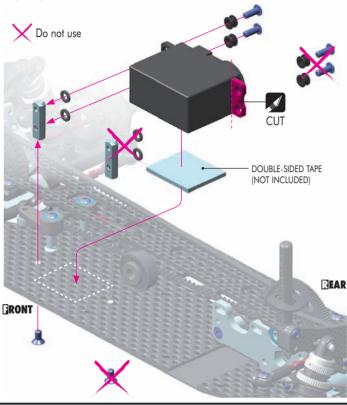
## **TIP** Tech tip for page 15. step 3

When driving in high-grip conditions (carpet races), we recommend using the stands to connect the servo horn holders to the top deck. The car flex will be stiffer, making the car easier to drive. For more information, see Multi-Flex Technology<sup>TM</sup> settings below.



### TIP Tech tip for page 27. step 2.

If there is not enough space for electronics due to a large receiver or ESC, you can cut one servo holder to create more space. If you do this, use double-sided tape to prevent servo movement.



# Multi-Flex Technology™

The T3 has 4 kinds of Multi-Flex Technology™ settings: soft, soft-medium, medium-stiff, and stiff. The amount of stiffness used depends on the track surface.



SOFT - Soft setting is recommended to use on low-traction asphalt or carpet tracks. Car with this setting gives maximum traction.

However, when the traction starts to increase, we recommend changing the MFT $^{\text{TM}}$  setting accordingly. When you use a soft setting, even though car feels good from the beginning, after some racing time the tires overheat and then the will become difficult to drive.

**SOFT-MEDIUM** - By adding two screws on layshaft bulkhead, car has more steering into the corner. However, car will become a little more loose and therefore this setting is recommended when traction starts to increase.

If traction continues to increase (e.g., on carpet), change from soft-medium setting to medium-stiff setting.

**MEDIUM-STIFF** - When traction increases rapidly, we recommend using stands to connect servo horn stands to the top deck. This will make the car easier to drive and be more direct. However, for low-traction conditions we recommend taking them out because the car will understeer. These stands are used mainly on high-traction carpet tracks.

When the traction is very high (mainly on big races where many competitors drive), we recommend to use stiff setting to reduce the chances of tire overheating and traction rolling.

**STIFF** - With the stiff setting the car is easy to drive while providing enough steering to make car fast into and out of corners. The stiff setting is not recommended for low-traction conditions because the car will have not enough steering or traction.

For super-high traction when even the stiff flex setting is not enough and car is difficult to drive, we recommend checking the Set-up Book for set-up changes. For higher-traction conditions, thicker shock oil and harder springs & anti-roll bars are recommended.

For very-low traction when even the soft setting does not give enough grip and the car is too loose, we recommend checking the Set-up Book for set-up changes. For lower-traction conditions, softer shock oil, springs & anti-roll bars and more rear toe-in are recommended.

#### **SETTING SUMMARY:**

**Soft setting:** Technical or low-traction asphalt track

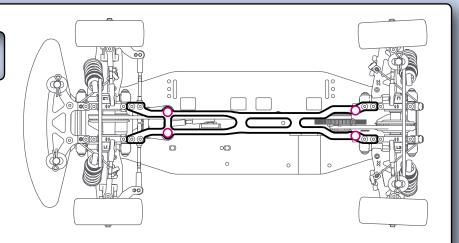
Medium-stiff setting: medium-high traction on carpet or asphalt track

**Soft-medium setting:** medium traction on asphalt track. **Stiff setting:** Very-high traction, mainly carpet track.

# **SOFT SETTING**

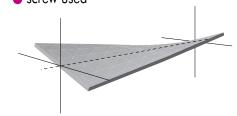
- o screw not used
- screw used

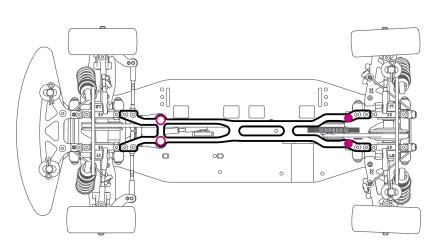




# **SOFT-MEDIUM SETTING**

- o screw not used
- screw used

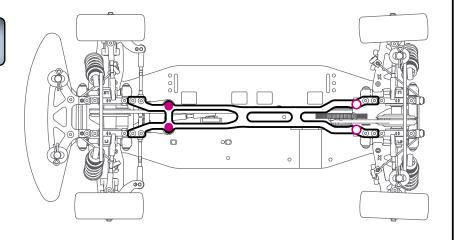




# **MEDIUM-STIFF SETTING**

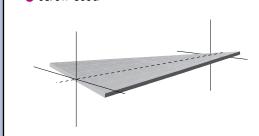
- o screw not used
- screw used

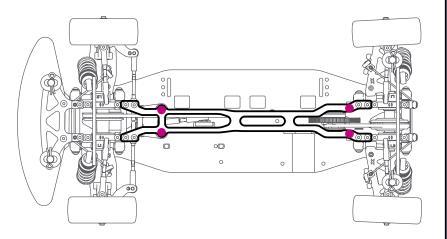




# STIFF SETTING

- o screw not used
- screw used







### XRAY EUROPE

XRAY, K VÝSTAVISKU 6992, 91101 TRENCIN, SLOVAKIA, EUROPE PHONE: +421-32-740 11 00, FAX: +421-32-740 11 09, info@teamxray.com

#### XRAY USA

RC AMERICA, 2970 BLYSTONE LANE, SUITE 109, DALLAS, 75220 TEXAS, USA PHONE: 214-744-2400, FAX: 214-744-2401, xray@rcamerica.com



ALL RIGHTS RESERVED. © XRAY. ALL ARTWORK & DESIGN BY XRAY