

BEFORE YOU START

The X12 is a high-competition, 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 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 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

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

You can join thousands of XRAY fans and enthusiasts in our online

notice

K Vystavisku 6992 91101 Trenčín

Phone: 421-32-7401100 Fax: 421-32-7401109

E-mail: info@teamxray.com

carefully and fully understand the instructions before beginning assembly.

Make sure you review this entire manual, download and use set-up book from the web, 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

XRAY USA

XRAY Europe

RC America, 2030 Century Center Blvd #15 Irving, TX 75062

Slovakia, EUROPE Phone: (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

community at: www.teamxray.com

CUSTOMER SUPPORT

of our customers.

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.



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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 shortcircuit 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 replacement.

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.



SYMBOLS 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)



Cut























Detail view

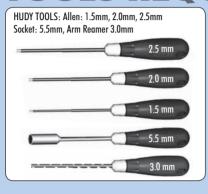








TOOLS REQUIRED













EQUIPMENT INCLUDED





NOT INCLUDED



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 website at www.teamxray.com. By offering this online version instead of including 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 the same. We strongly recommend that you read and understand the Set-up Book before operating your car.



XRAY offers wide range of optional tuning parts which are listed in a table like this. Please refer to the exploded view of each main section to verify which parts are included in the kit; other parts are available as optional parts, and must be purchased separately.

EQUIPMENT REQUIRED

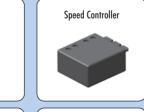




















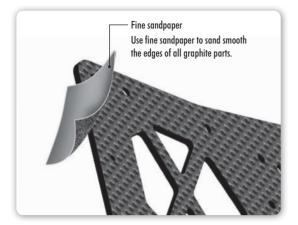


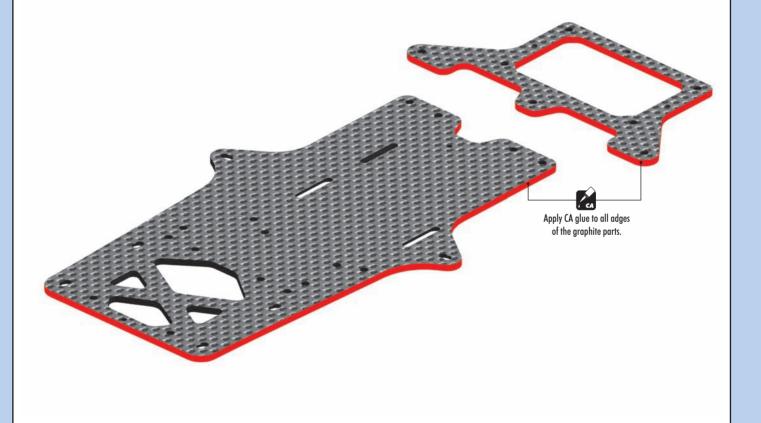


GRAPHITE PART PREPARATION ELL

PREPARE ALL GRAPHITE PARTS

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





1. FRONT SUSPENSION ELL

KING PIN (2)

ALU SHIM 3.2x4.8x0.5 (4)

STEEL SHIM 0.2MM - SILVER (2)

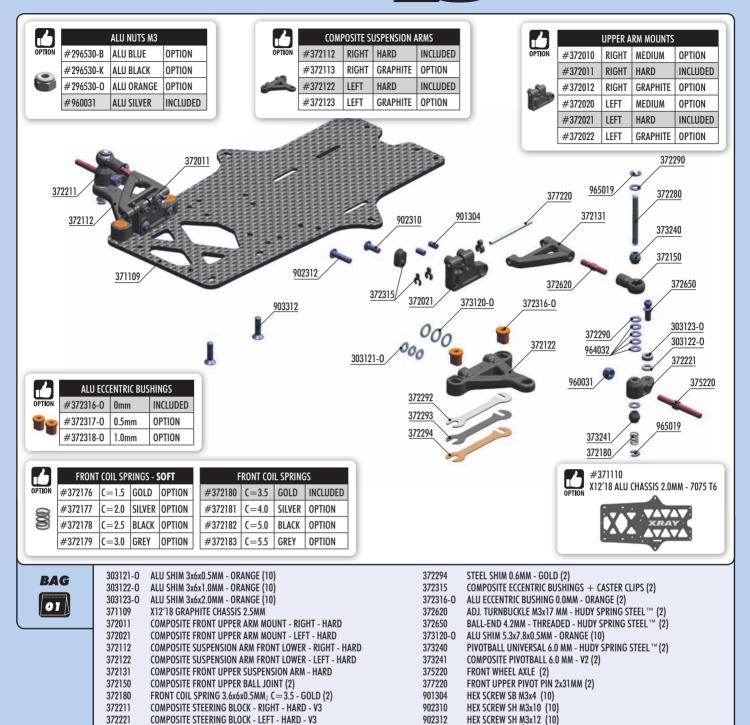
STEEL SHIM 0.4MM - BLACK (2)

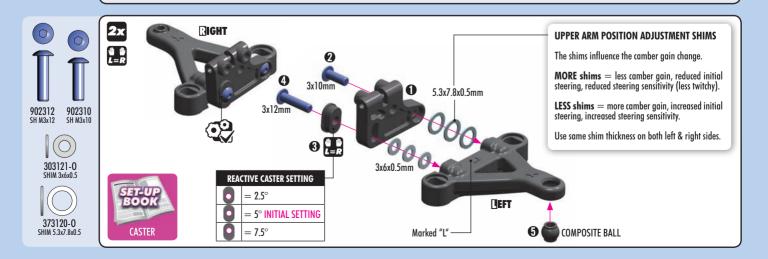
372280

372290

372292

372293





HEX SCREW SFH M3x12 (10)

WASHER S 3.2 x 4.8 x 0.2 (10)

ALU NUT M3 (10)

E-CLIP 1.9 (10)

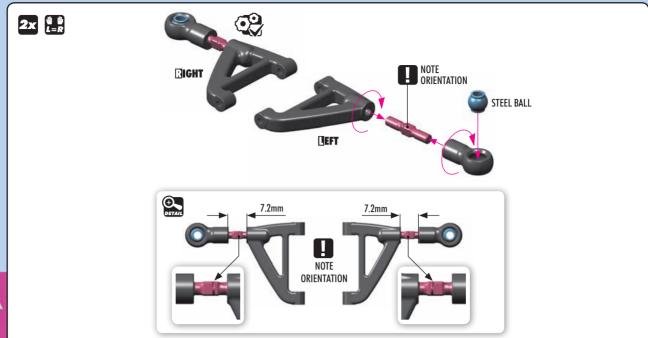
903312

960031

964032

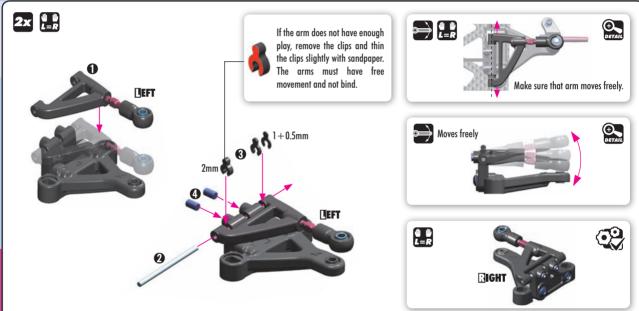
965019

1. FRONT SUSPENSION ELL

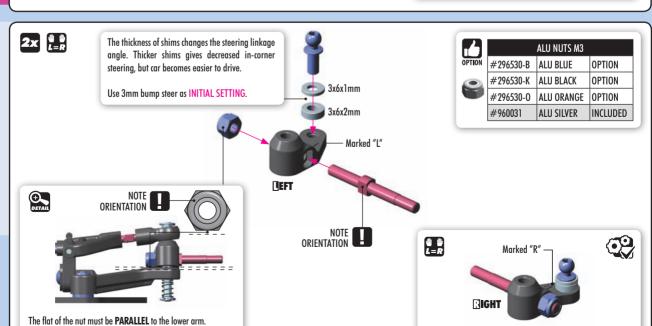


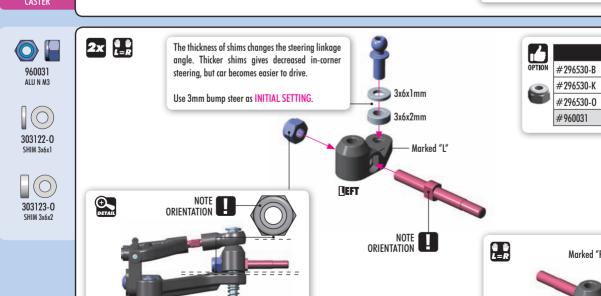












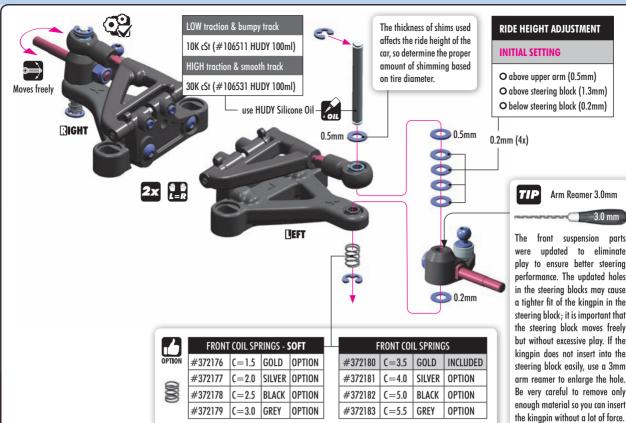
1. FRONT SUSPENSION ELL





964032 S 3.2x4.8x0.2

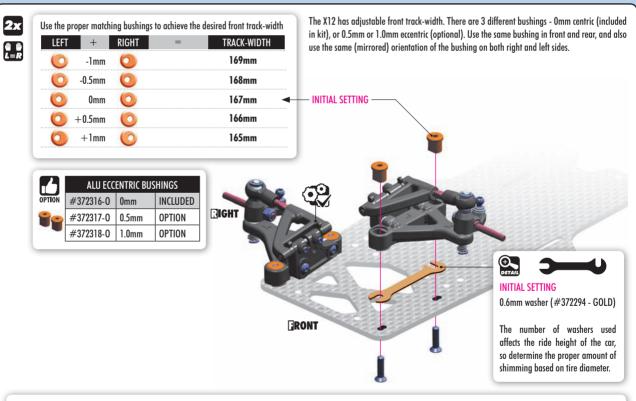
10 965019



Arm Reamer 3.0mm The front suspension parts were updated to eliminate play to ensure better steering performance. The updated holes in the steering blocks may cause a tighter fit of the kingpin in the steering block: it is important that the steering block moves freely but without excessive play. If the kingpin does not insert into the steering block easily, use a 3mm arm reamer to enlarge the hole. Be very careful to remove only enough material so you can insert









ALTERNATIVE FRONT POSITION Long wheelbase

(INITIAL SETTING)

This position has the same wheelbase as the previous X12 car as recommended for bigger tracks and tracks with longer sweepers.

FRONT WHEELBASE ADJUSTMENT



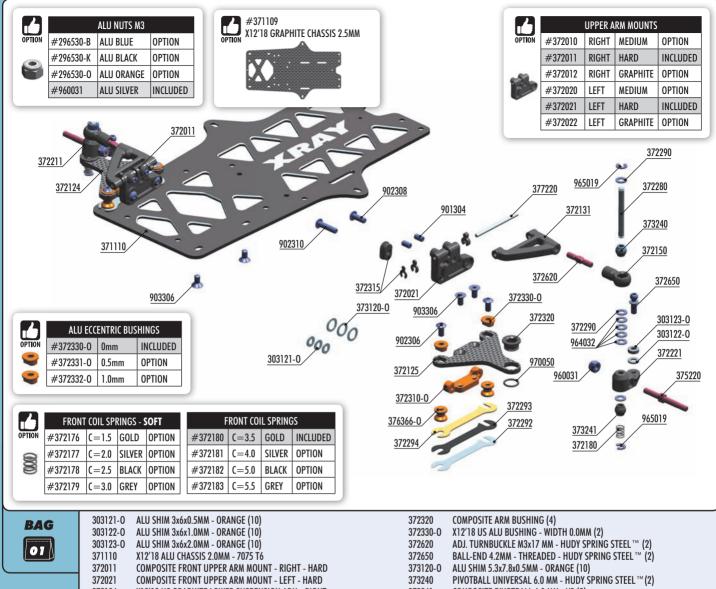
ALTERNATIVE REAR POSITION

Short Wheelbase

Shorter wheel base allows the car to rotate better right in the center of the corner to maintain corner speed and therefore it is recommended to use on tight technical tracks or tracks with many 180 degree corners

1. FRONT SUSPENSION ALES



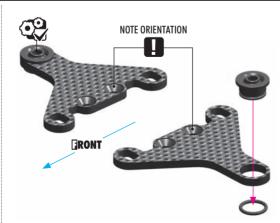


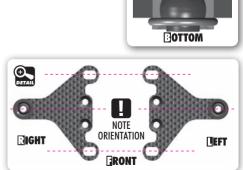
372124 X12'18 US GRAPHITE LOWER SUSPENSION ARM - RIGHT 373241 372125 X12'18 US GRAPHITE LOWER SUSPENSION ARM - LEFT 375220 372131 COMPOSITE FRONT UPPER SUSPENSION ARM - HARD 376366-0 COMPOSITE FRONT UPPER BALL JOINT (2) 377220 372150 FRONT COIL SPRING 3.6x6x0.5MM; C=3.5 - GOLD (2) 372180 901304 372211 COMPOSITE STEERING BLOCK - RIGHT - HARD - V3 902306 372221 COMPOSITE STEERING BLOCK - LEFT - HARD - V3 902308 KING PIN (2) ALU SHIM 3.2x4.8x0.5 (4) 372280 902310 903306 372290 STEEL SHIM 0.2MM - SILVER (2) 372292 960031 STEEL SHIM 0.4MM - BLACK (2) 372293 964032 STEEL SHIM 0.6MM - GOLD (2) 965019 372294 372310-0 ALU LOWER GRAPHITE SUSPENSION ARM HOLDER - ORANGE 970050 COMPOSITE ECCENTRIC BUSHINGS + CASTER CLIPS (2) 372315

COMPOSITE PIVOTBALL 6.0 MM - V2 (2) FRONT WHEEL AXLE (2) ALU MOUNT 6.0MM - ORANGE (2) FRONT UPPER PIVOT PIN 2x31MM (2) HEX SCREW SB M3x4 (10) HEX SCREW SH M3x6 (10) HEX SCREW SH M3x8 (10) HEX SCREW SH M3x10 (10) HEX SCREW SFH M3x6 (10) ALU NUT M3 (10) WASHER S 3.2 x 4.8 x 0.2 (10) E-CLIP 1.9 (10) 0-RING 5x1 (10)







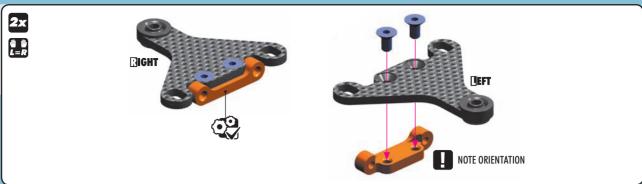


CUTAWAY VIEW

ПОР

1. FRONT SUSPENSION LES





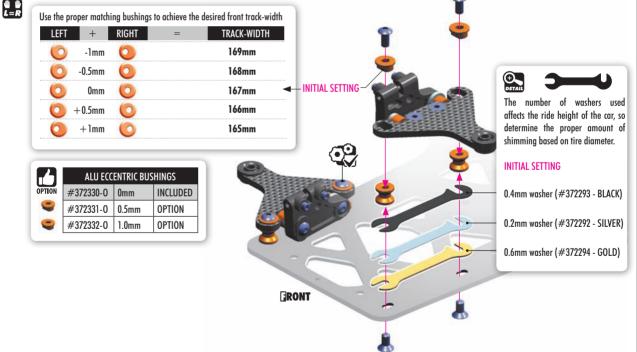




903306

2x

The X12 has adjustable front track-width. There are 3 different bushings - Omm centric (included in kit), or 0.5mm or 1.0mm eccentric (optional). Use the same bushing in front and rear, and also use the same (mirrored) orientation of the bushing on both right and left sides.



ALTERNATIVE FRONT POSITION Long wheelbase

(INITIAL SETTING)

This position has the same wheelbase as the previous X12 car as recommended for bigger tracks and tracks with longer sweepers.

FRONT WHEELBASE ADJUSTMENT



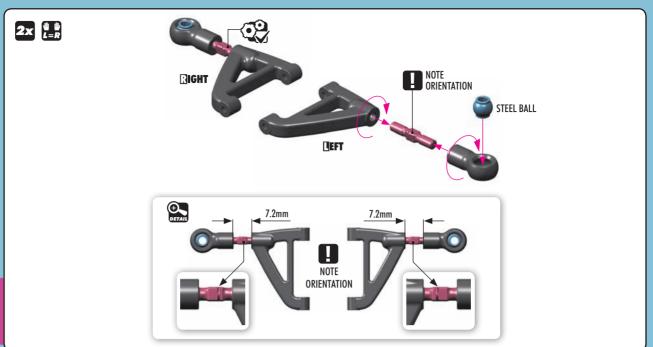
ALTERNATIVE REAR POSITION

Short Wheelbase

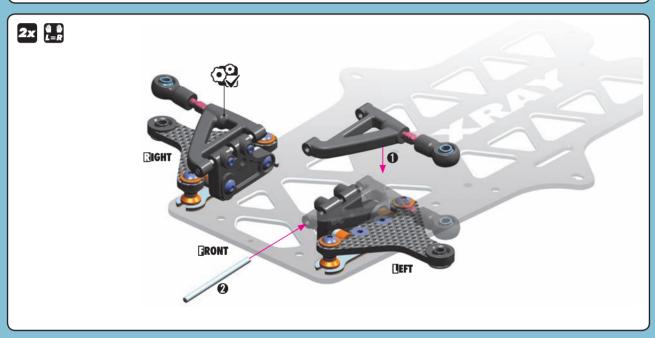
Shorter wheel base allows the car to rotate better right in the center of the corner to maintain corner speed and therefore it is recommended to use on tight technical tracks or tracks with many 180 degree corners

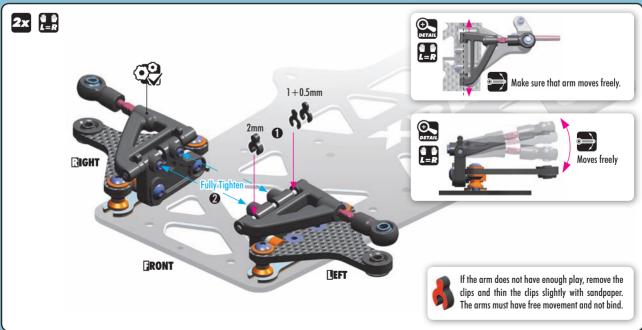


1. FRONT SUSPENSION LES

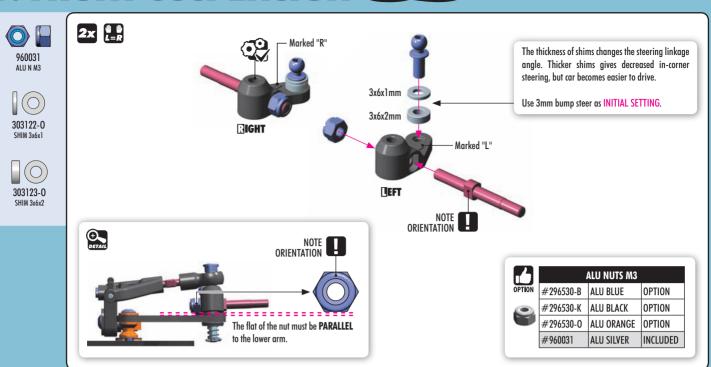


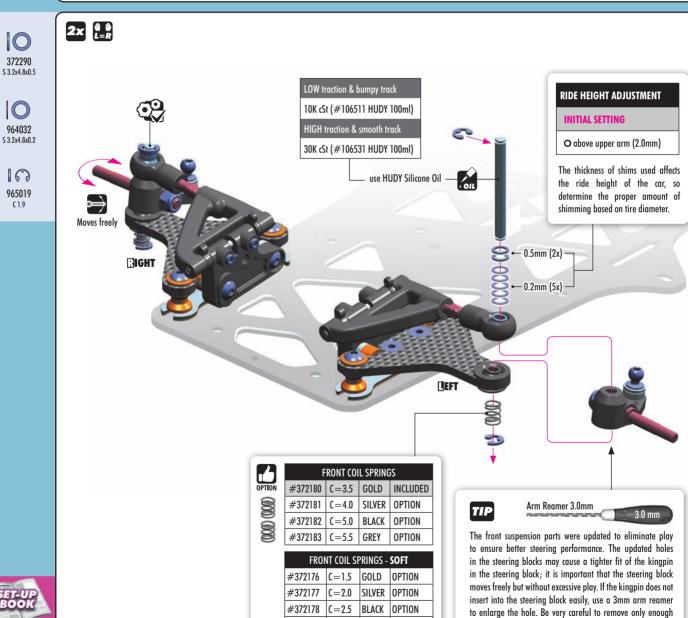






1. FRONT SUSPENSION LES





#372179 C=3.0

GREY

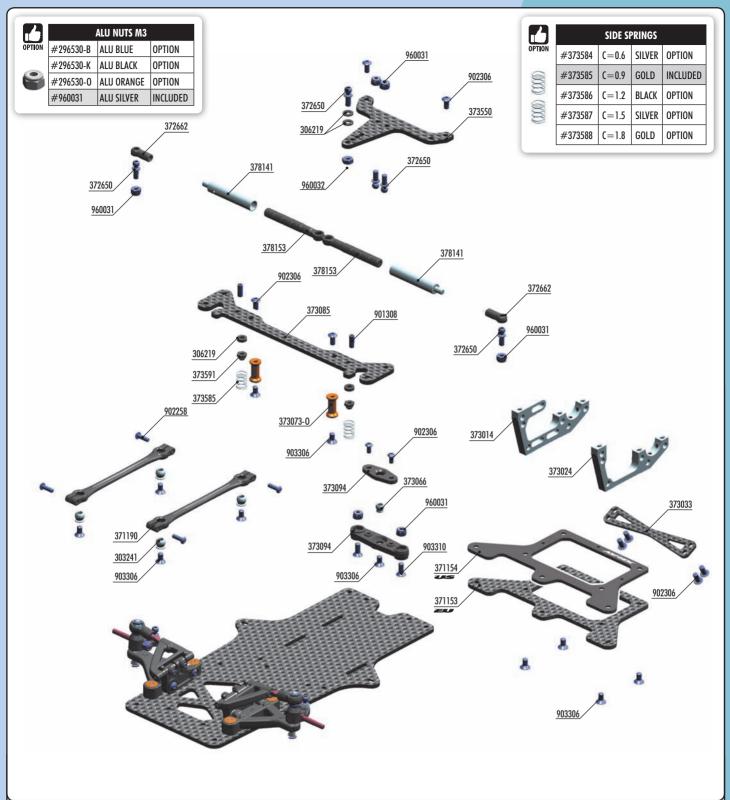
OPTION





material so you can insert the kingpin without a lot of force.

3. REAR SUSPENSION EL US





| 303241 | BALL UNIVERSAL 5.8 MM HEX (4) |
|----------|---|
| 306219 | COMPOSITE SET OF SERVO SHIMS (4) |
| 371153 | GRAPHITE REAR POD LOWER PLATE 2.5MM (EU SPECS) |
| 371154 | ALU 2.0MM REAR POD LOWER PLATE - 7075 T6 (US SPECS) |
| 371190 | COMPOSITE POD LINK (2) |
| 372650 | BALL-END 4.2MM THREADED HUDY SPRING STEEL™ (2) |
| 372662 | COMPOSITE BALL-JOINT 4.2 MM (4) |
| 373014 | ALU REAR BULKHEAD - MOTOR (RIGHT) |
| 373024 | ALU REAR BULKHEAD - LEFT |
| 373033 | GRAPHITE REAR BULKHEAD BRACE 2MM |
| 373066 | ALU PIVOT BALL |
| 373073-0 | ALU REAR BRACE MOUNT 16MM- ORANGE (2) |
| 373085 | GRAPHITE REAR BRACE 2.5MM |
| 373094 | COMPOSITE LOWER & UPPER PIVOT BRACE - LOW ROLL-CENTER |
| 373550 | X12'18 GRAPHITE REAR POD UPPER PLATE 2.5MM |

| 373585 | CIDE CODINC C 0.0 COLD (0) |
|--------|----------------------------------|
| | SIDE SPRING C=0.9 - GOLD (2) |
| 373591 | COMPOSITE SIDE SPRING HOLDER (2) |
| 378141 | ALU SIDE TUBE (2) |
| 378153 | COMPOSITE SIDE TUBE SHAFT (2) |
| 901308 | HEX SCREW SB M3x8 (10) |
| 902258 | HEX SCREW SH M2.5x8 (10) |
| 902306 | HEX SCREW SH M3x6 (10) |
| 903306 | HEX SCREW SFH M3x6 (10) |
| 903310 | HEX SCREW SFH M3x10 (10) |
| 960031 | ALU NUT M3 (10) |
| 960032 | NUT M3 (10) |

3. REAR SUSPENSION

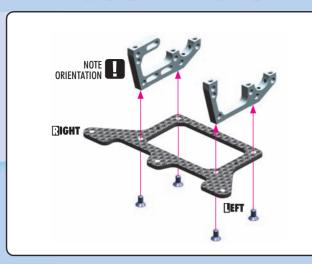


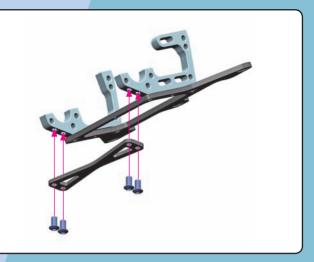




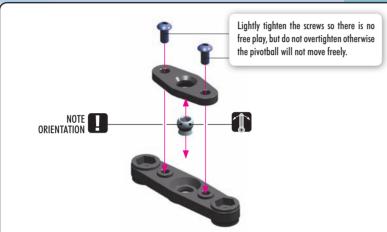


903306 SFH M3x6







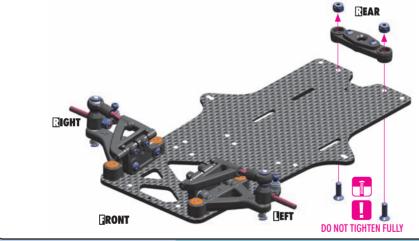






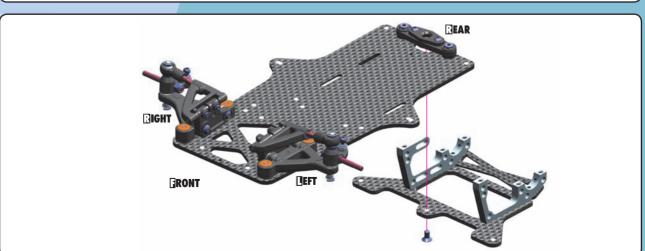










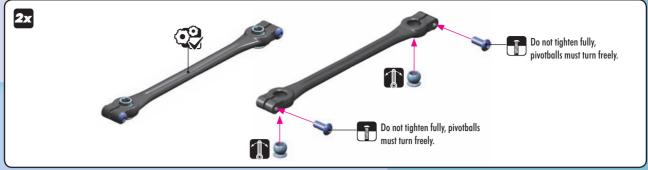


3. REAR SUSPENSION

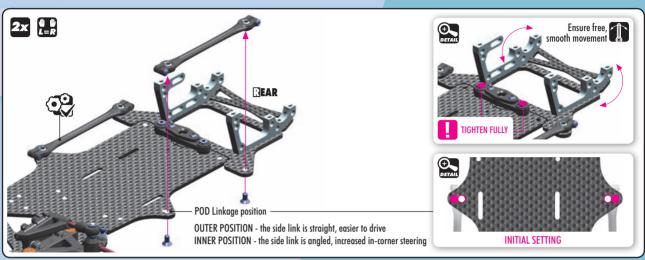








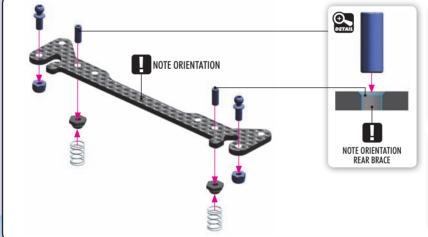


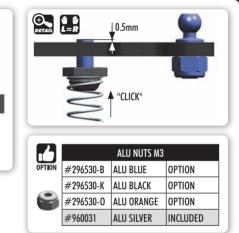




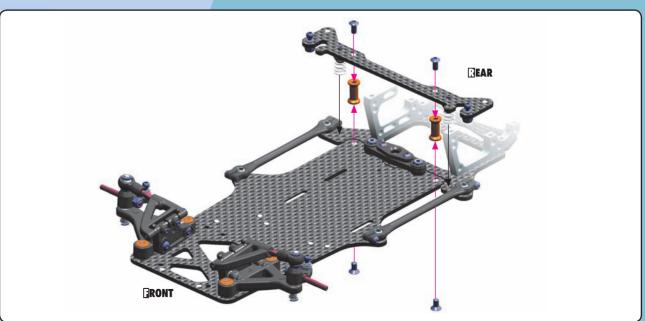












3. REAR SUSPENSION

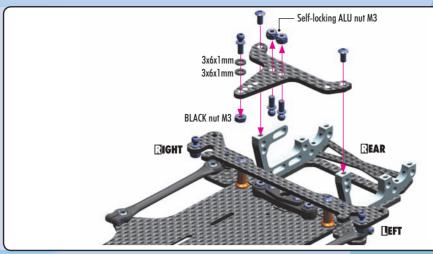




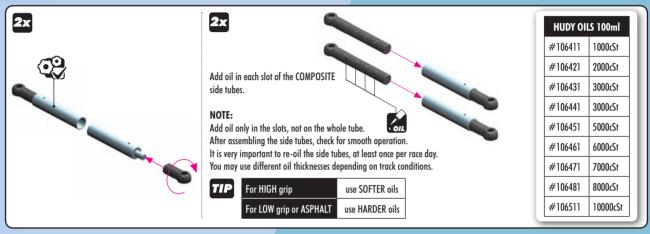


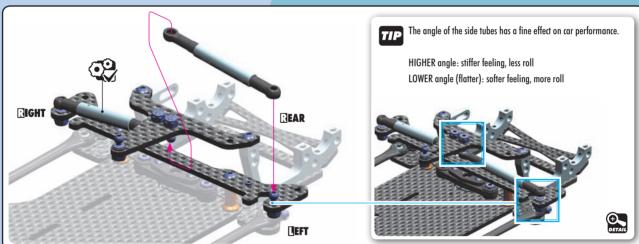






| | ALU NUTS M3 | | | | |
|--------|-------------|------------|----------|--|--|
| OPTION | #296530-B | ALU BLUE | OPTION | | |
| | #296530-K | ALU BLACK | OPTION | | |
| 9 | #296530-0 | ALU ORANGE | OPTION | | |
| | #960031 | ALU SILVER | INCLUDED | | |

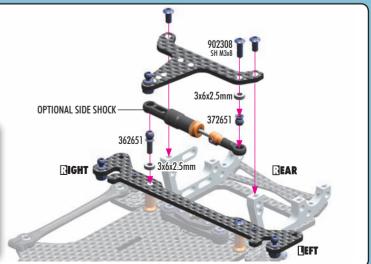




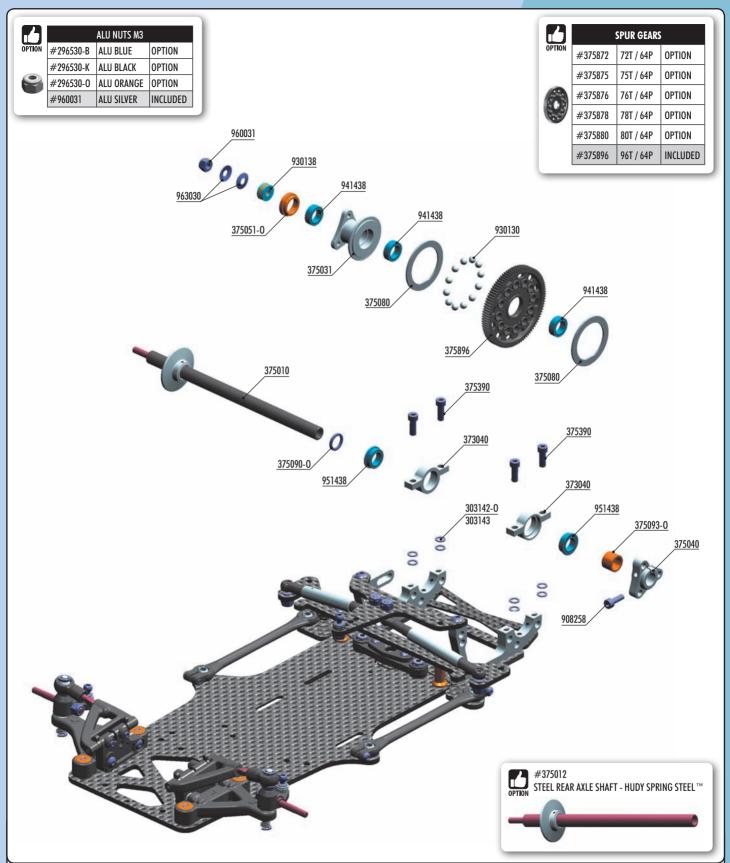


Hex Screw SH M3x8 (10)

#902308



4. BALL DIFFERENTIAL ELD LAS





303142-0 ALU SHIM 3x5x0.5MM - ORANGE (10) 303143 ALU SHIM 3x5x0.25MM (10) ALU UPPER CLAMP FOR BALL-BEARING 373040 375010 **REAR AXLE SHAFT - GRAPHITE - V3** ALU REAR WHEEL HUB - RIGHT 375031 375040 ALU REAR WHEEL HUB - LEFT ALU DIFF HUB - ORANGE 375051-0 375080 D-LOCK DIFF PLATE (2) SET OF ALU SHIMS (0.5MM, 1.0MM, 2.0MM) - ORANGE 375090-0 375093-0 ALU SHIM 6.37x8.4x6.0MM - ORANGE (2) ALU HEX SCREW M3x8 FOR REAR WHEELS (6) 375390

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 941438 HIGH-SPEED BALL-BEARING 1/4"x3/8"x1/8"

941438 HIGH-SPEED BALL-BEARING 1/4"x3/8"x1/8" RUBBER SEALED (2) 951438 BALL-BEARING 1/4" x 3/8" x 1/8" FLANGED (2)

960031 ALU NUT M3 (10)

963030 CONE WASHER ST 3x8x0.5 (10)

4. BALL DIFFERENTIAL

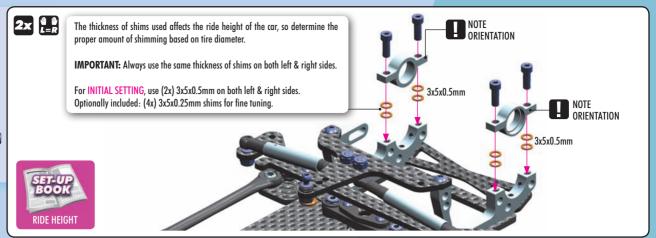


















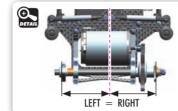






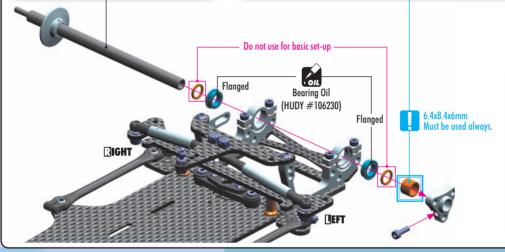




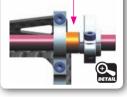


To set track-width, use the hole in the carbon pod plate as the centre point; this hole should always be centred between the two rear wheels once overall track-width is set. To set the track-width more easily, set the car on a ruler or use a digital vernier caliper.

Rear track-width is directly affected by wheel offsets, which can vary depending on tire brand.















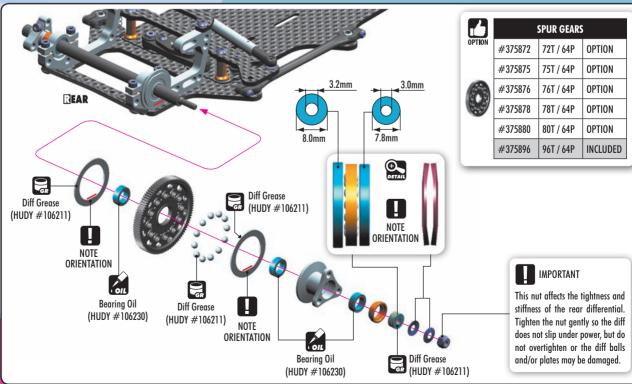






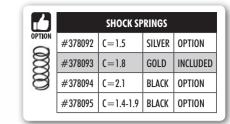


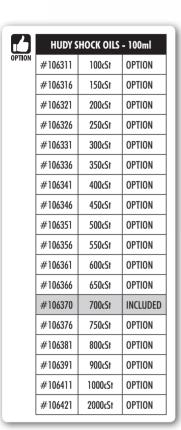




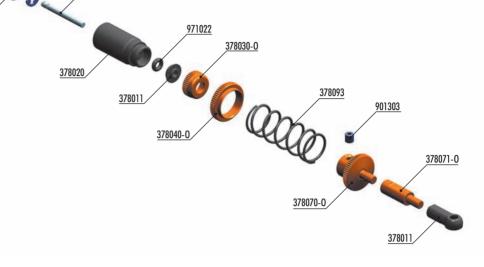
5. SHOCK ABSORBER ELL LIS

378061





378050-0



BAG 05 378001 SHOCK ABSORBER SET
378011 COMPOSITE SHOCK PARTS - FRAME
378020 ALU THREADED SHOCK BODY - HARDCOATED
378030-0 ALU SHOCK BODY CAP - LOWER - ORANGE
378040-0 ALU SHOCK ADJUSTABLE COLLAR - ORANGE
378050-0 ALU SHOCK BODY CAP - UPPER - ORANGE
378061 SHOCK SHAFT

378011

378011

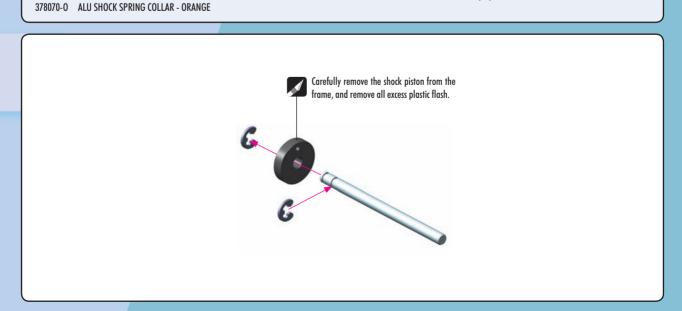
378080

965015

378071-0 ALU SHOCK ADAPTER - ORANGE 378080 SHOCK RUBBER MEMBRANE (2) 378093 SHOCK SPRING - GOLD

901303 HEX SCREW SB M3x3 (10) 965015 E-CLIP 1.5 (10) 971022 SILICONE O-RING 2x2 (10)

965015 C1.5



5. SHOCK ABSORBERS

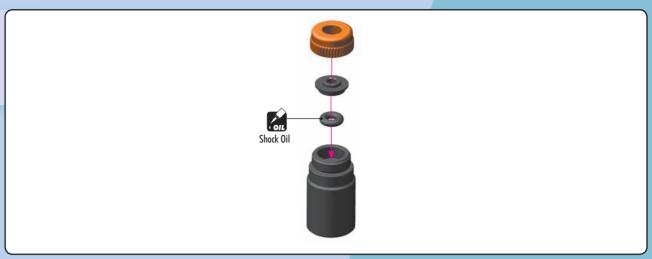


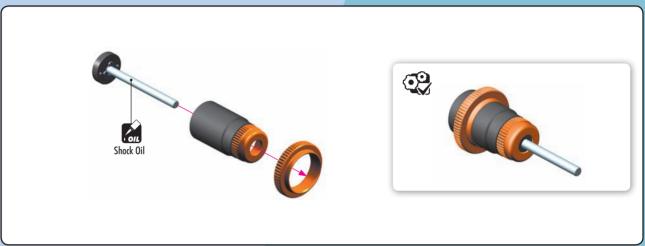


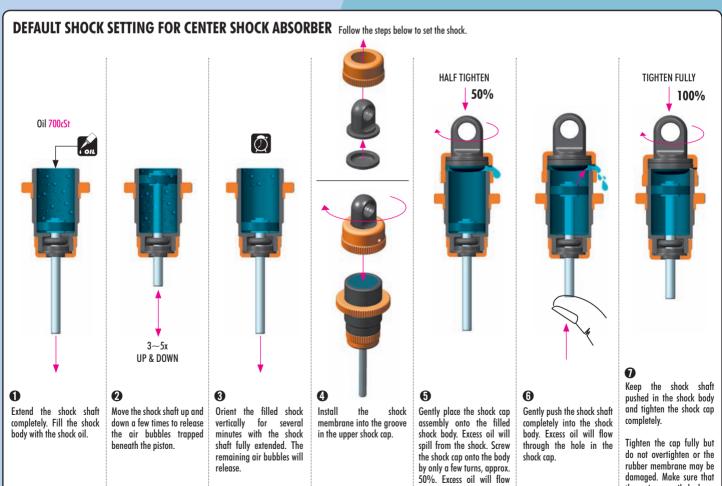
damaged. Make sure that there is no oil leakage

after the cap is tightened.





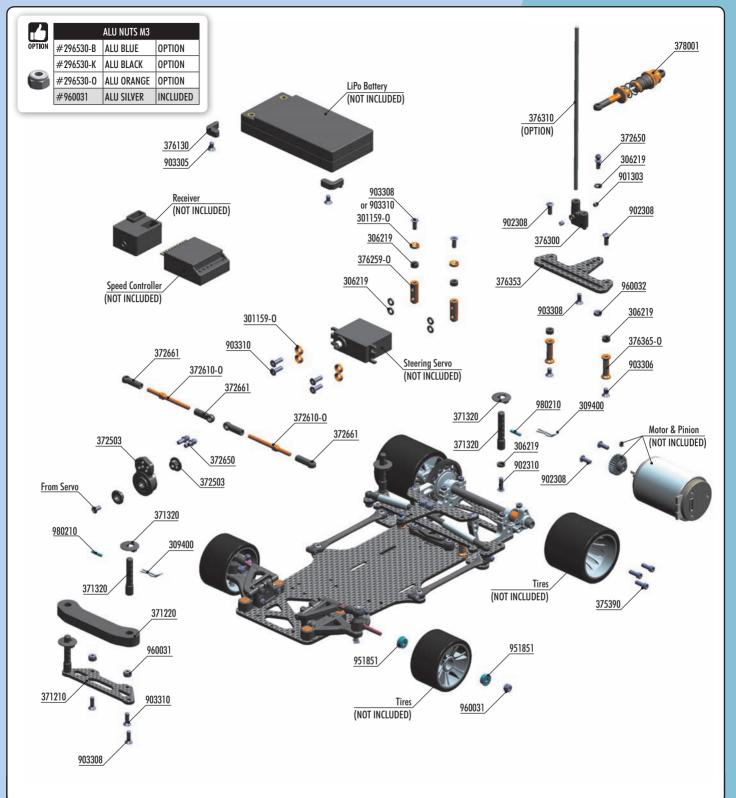




through the hole in the

shock cap.

6. FINAL ASSEMBLY LELD LES



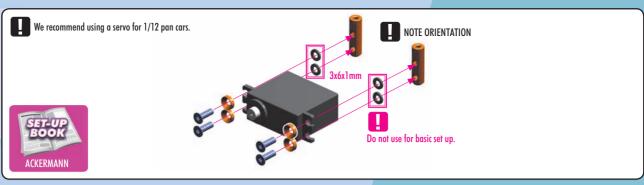


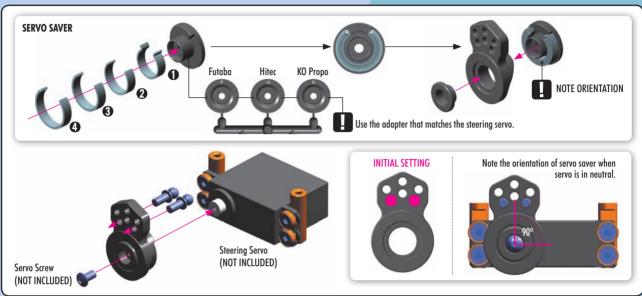
| 301159-0 | ALU COUNTERSUNK SHIM - ORANGE (4) | 376353 | GRAPHITE PLATE FOR ANTENNA HOLDER |
|---------------|--|----------|---|
| 305968~306000 | • • • | 376365-0 | ALU MOUNT 18.0MM - ORANGE (2) |
| 306219 | COMPOSITE SET OF SERVO SHIMS (4) | 376310 | FIBERGLASS SOLID ANTENNA ROD $+$ CAP (OPTION) |
| 309400 | BODY CLIP FOR 5MM BODY POST (8) | 378001 | SHOCK ABSORBER SET |
| 371210 | X12'18 GRAPHITE BUMPER LOWER HOLDER 2.5MM | 901303 | HEX SCREW SB M3x3 (10) |
| 371220 | X12 FOAM BUMPER | 902308 | HEX SCREW SH M3x8 (10) |
| 371320 | COMPOSITE BODY POST (2) | 902310 | HEX SCREW SH M3x10 (10) |
| 372503 | COMPOSITE SERVO SAVER - STIFF - SET | 903305 | HEX SCREW SFH M3x5 (10) |
| 372610-0 | ALU ADJ. TURNBUCKLE M3x42 MM - ORANGE (2) | 903306 | HEX SCREW SFH M3x6 (10) |
| 372650 | BALL-END 4.2MM - THREADED - HUDY SPRING STEEL™ (2) | 903308 | HEX SCREW SFH M3x8 (10) |
| 372661 | COMPOSITE STEERING BALL-JOINT 4.2 MM OPEN (4) | 903310 | HEX SCREW SFH M3x10 (10) |
| 375390 | ALU HEX SCREW M3x8 FOR REAR WHEELS (6) | 951851 | BALL-BEARING 1/8" x 5/16" x 9/64" FLANGED (2) |
| 376130 | COMPOSITE LiPo BATTERY BACKSTOP (2) | 960031 | ALU NUT M3 (10) |
| 376259-0 | ALU SERVO MOUNT - ORANGE (2) | 960032 | NUT M3 (10) |
| 376300 | COMPOSITE ANTENNA MOUNT | 980210 | PIN 2x10 (10) |

6. FINAL ASSEMBLY



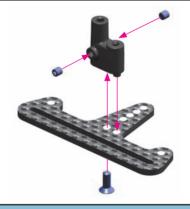




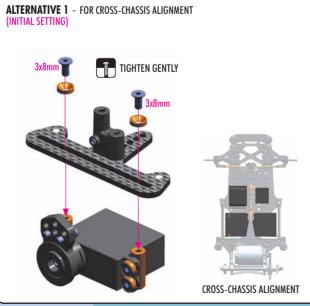


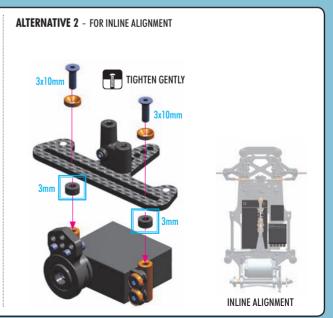










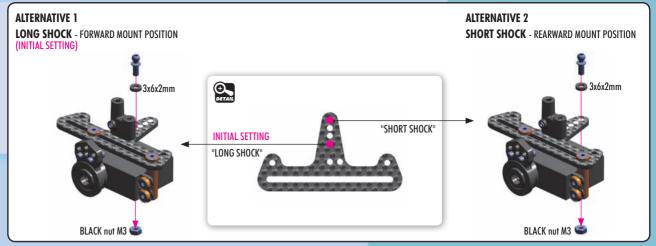


6. FINAL ASSEMBLY TELL









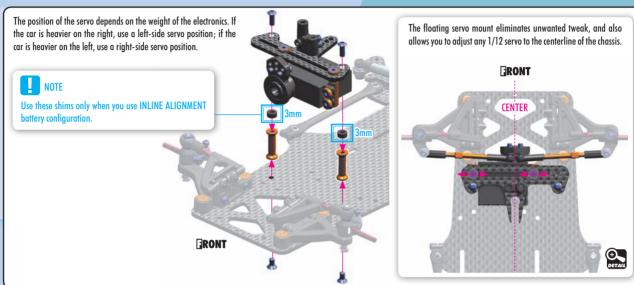




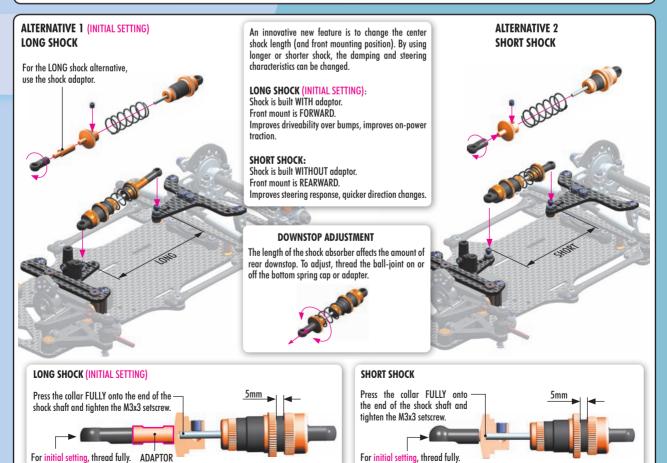




903306 SEH M3v6

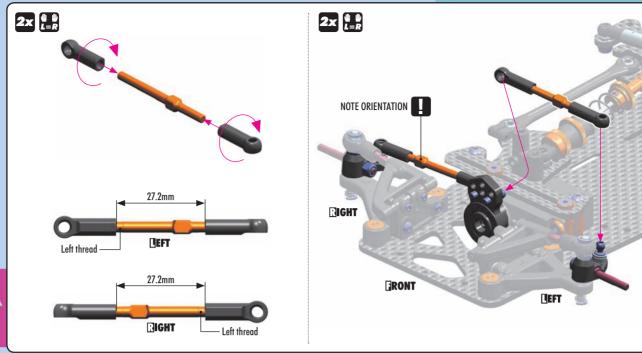




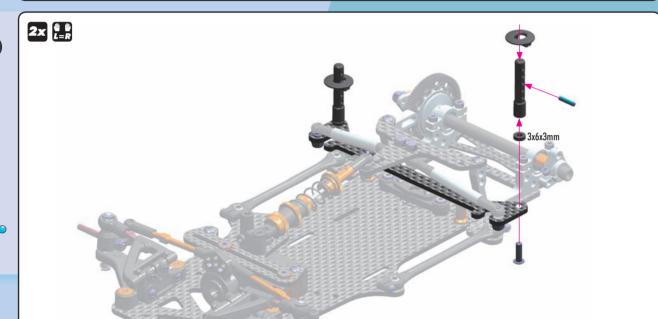


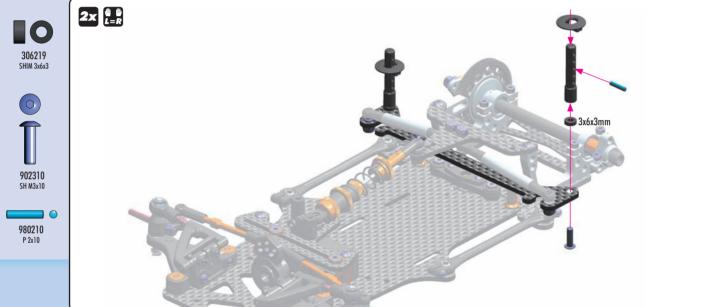
6. FINAL ASSEMBLY







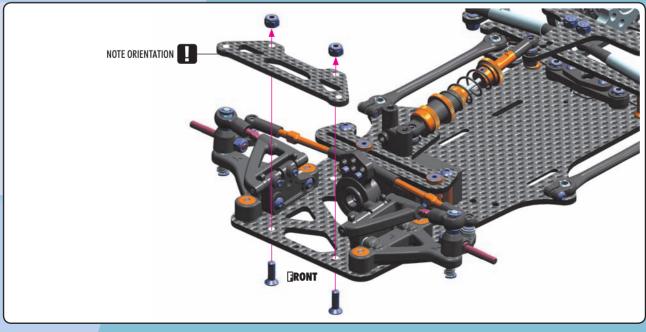






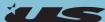






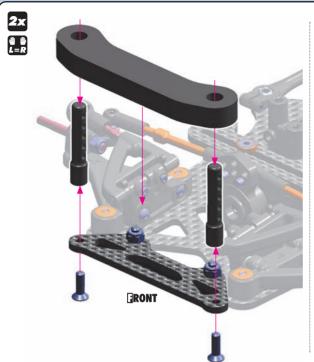
6. FINAL ASSEMBLY

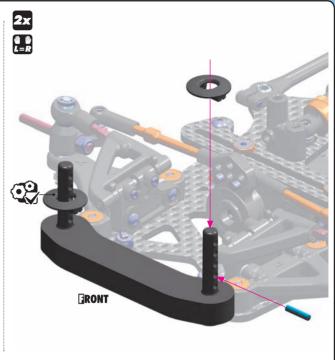


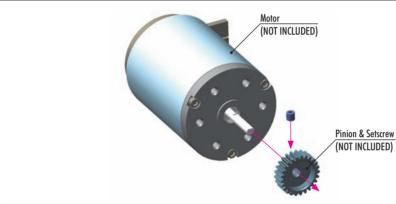


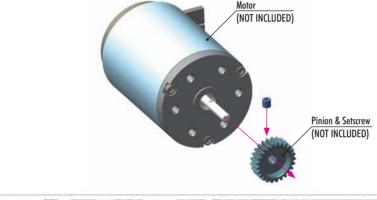


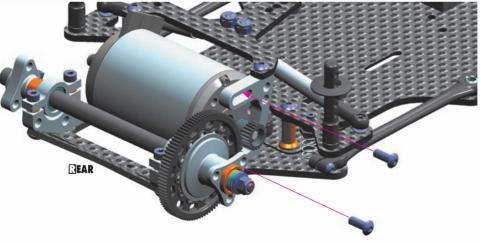
980210 P 2x10











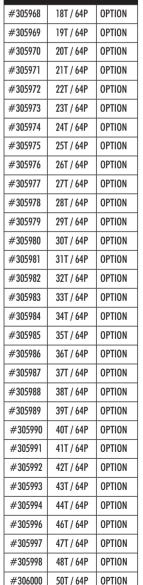




GEAR MESH

Adjust the gear mesh so there is appropriate space between the spur gear and pinion teeth. There should be a very small amount of freeplay.



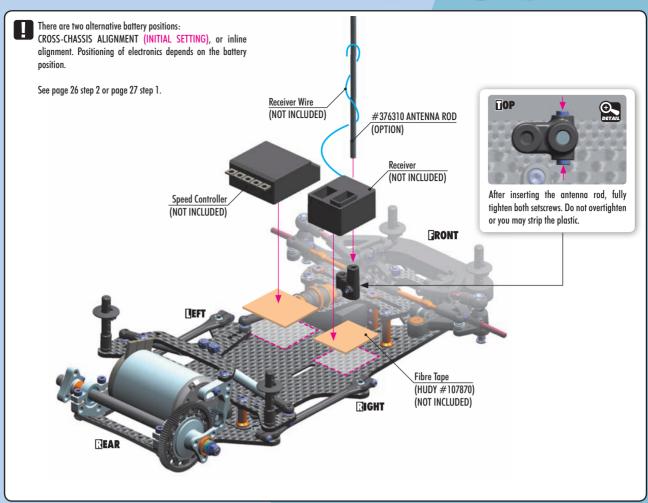


PINION GEARS ALU HARDCOATED

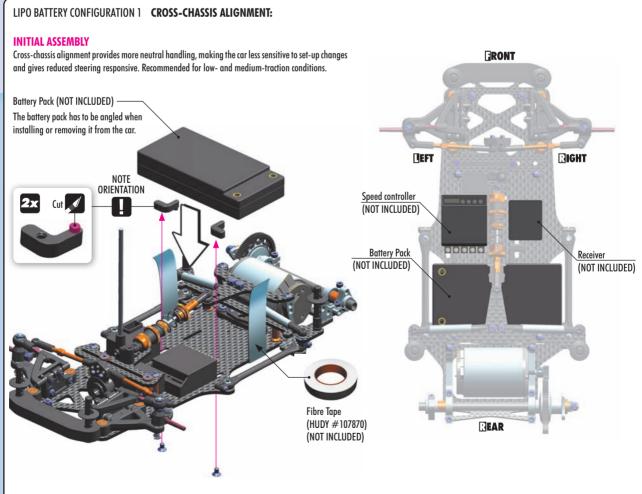


902308 SH M3x8



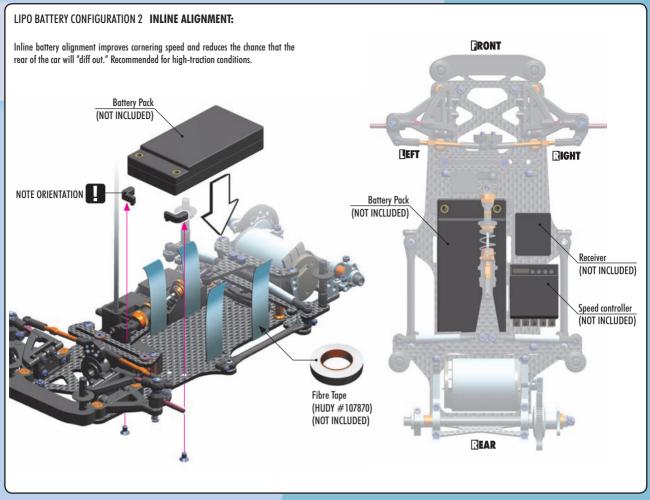






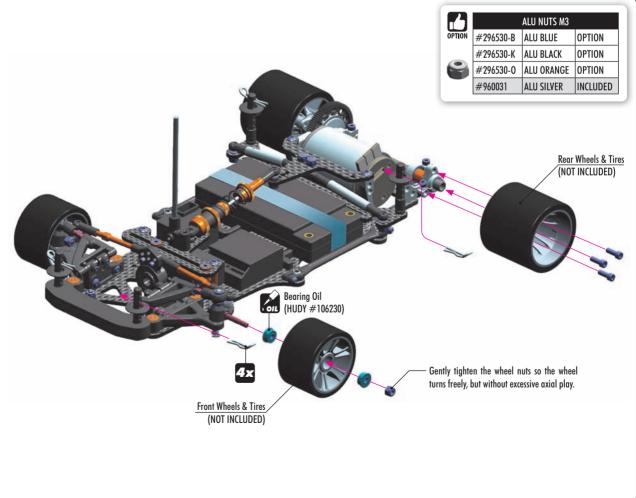
6. FINAL ASSEMBLY ELD US







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



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