1/10 LUXURY ELECTRIC FORMULA





INSTRUCTION MANUAL
FOR X1'24 EDITION

BEFORE YOU START

This is a high-competition, high-quality RC 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 XRAY, <u>YOU MUST</u> 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, download and use set-up book from the web, and examine all details carefully. If for some reason you decide this is not what you wanted or expected, <u>DO NOT continue any further</u>. Your hobby dealer can not accept your 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 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:

XRAY Europe

K Vystavisku 6992 91101 Trenčín Slovakia, EUROPE Phone: 421-32-7401100

Fax: 421-32-7401109 E-mail: info@teamxray.com

XRAY USA

RC America, 2030 Century Center Blvd #15

Irving, TX 75062 USA

Phone: (214) 744-2400 Fax: (214) 744-2401 E-mail: xray@rcamerica.com

www.teamxray.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 alasses 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 driven.
 - In places where children and people gather
 - In residential districts and parksIn 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 RC 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.



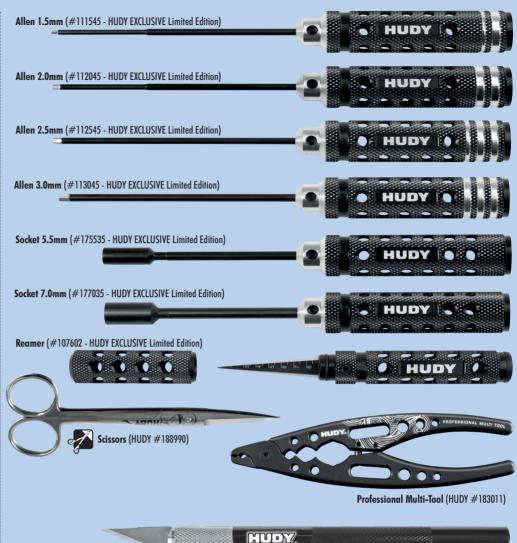






Special Tool for Turnbuckles, Nuts (HUDY #181090)





HUDY Blade Hobby Knife with Alu Handle (HUDY #188980)

INCLUDED



HUDY Premium Silicone Oils



600cSt (#106360)



3.000cSt (#106430)





(#106530)



ALSO REQUIRED

Receiver



Electric Motor



Bearing Oil (HUDY #106230)



Pinion Gear with Setscrew (#305968~#294160)



Wheels & Tires & Inserts (HUDY #803072 & #803082)



LiPo Battery

Speed Controller



Lexan™ Paint



Battery Charger

Steering Servo



Double-sided Tape (HUDY #107875)





OPTIONAL



Jan Ratheisky (Factory Driver)

The European Champion and XRAY factory team driver Jan Ratheisky shares his pro tips and tricks.

Z OPTION

#37XXXX TYPE1 OPTION 1
#37XXXXX TYPE1 OPTION 2
#37XXXXX TYPE1 INCLUDED
#37XXXXX TYPE1 OPTION 3

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 part is included in the kit while all other parts are available only as an optional part and must be purchased separately.

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:

372213

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

371201

STYLE B - indicates parts that are included in the box.

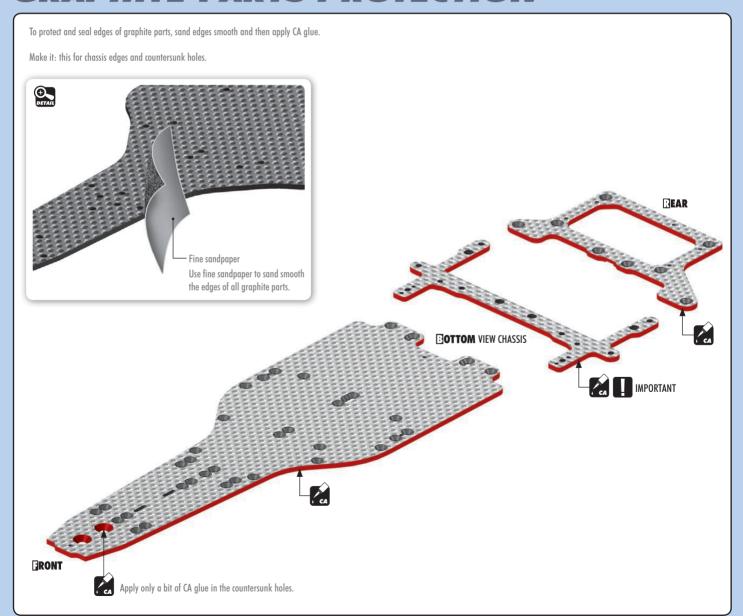
374901

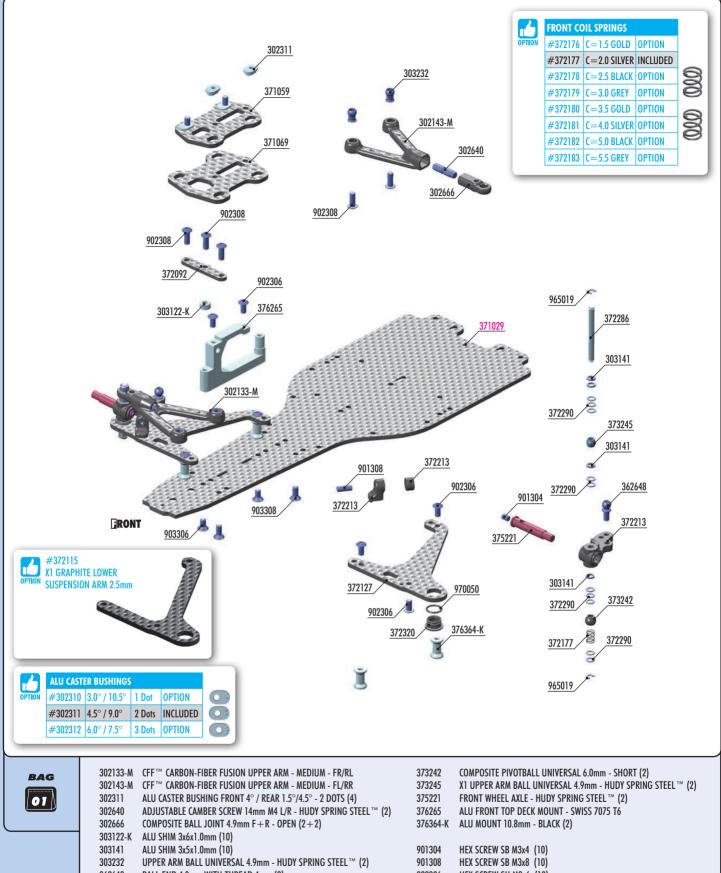
STYLE C - indicates parts that are already assembled from previous steps.

379701

STYLE D - indicates parts that are optional.

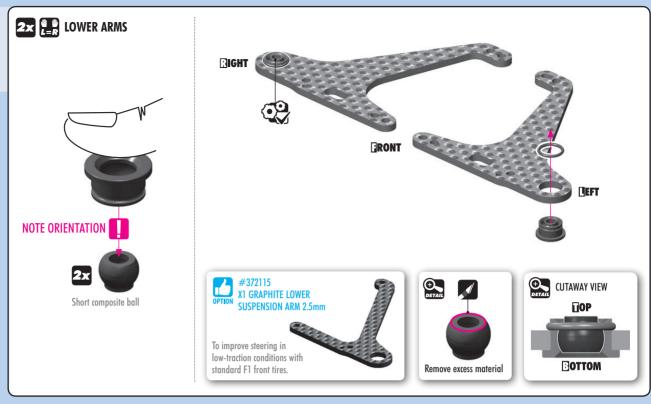
GRAPHITE PARTS PROTECTION



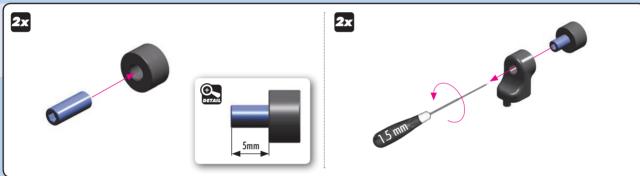


302133-M	CFF™ CARBON-FIBER FUSION UPPER ARM - MEDIUM - FR/RL	373242	COMPOSITE PIVOTBALL UNIVERSAL 6.0mm - SHORT (2)
302143-M	CFF™ CARBON-FIBER FUSION UPPER ARM - MEDIUM - FL/RR	373245	X1 UPPER ARM BALL UNIVERSAL 4.9mm - HUDY SPRING STEEL™ (2)
302311	ALU CASTER BUSHING FRONT 4° / REAR 1.5°/4.5° - 2 DOTS (4)	375221	FRONT WHEEL AXLE - HUDY SPRING STEEL™ (2)
302640	ADJUSTABLE CAMBER SCREW 14mm M4 L/R - HUDY SPRING STEEL™ (2)	376265	ALU FRONT TOP DECK MOUNT - SWISS 7075 T6
302666	COMPOSITE BALL JOINT 4.9mm F+R - OPEN $(2+2)$	376364-K	ALU MOUNT 10.8mm - BLACK (2)
303122-K	ALU SHIM 3x6x1.0mm (10)		
303141	ALU SHIM 3x5x1.0mm (10)	901304	HEX SCREW SB M3x4 (10)
303232	UPPER ARM BALL UNIVERSAL 4.9mm - HUDY SPRING STEEL™ (2)	901308	HEX SCREW SB M3x8 (10)
362648	BALL END 4.9mm WITH THREAD 4mm (2)	902306	HEX SCREW SH M3x6 (10)
371059	GRAPHITE ARM MOUNT PLATE - NARROW TRACK-WIDTH - 2.5mm	902308	HEX SCREW SH M3x8 (10)
371069	GRAPHITE ARM MOUNT PLATE - WIDE TRACK-WIDTH - 2.5mm	903306	HEX SCREW SFH M3x6 (10)
372092	GRAPHITE FRONT ARM BRACE 2.2mm	903308	HEX SCREW SFH M3x8 (10)
372127	GRAPHITE LOWER SUSPENSION ARM 2.5mm	965019	E-CLIP 1.9 (10)
372177	FRONT COIL SPRING 3.6x6x0.5mm; C=3.5 - GOLD (2)	970050	O-RING 5x1 (10)
372213	COMPOSITE STEERING BLOCK & BACKSTOPS		
372286	KING PIN (2)	371029	X1'24 GRAPHITE CHASSIS 2.5mm
372290	ALU SHIM 3.2x4.8x0.5 (4)		
372320	COMPOSITE ARM BUSHING (4)		

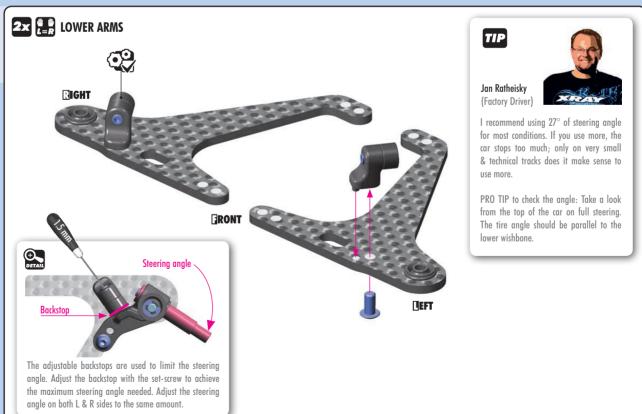


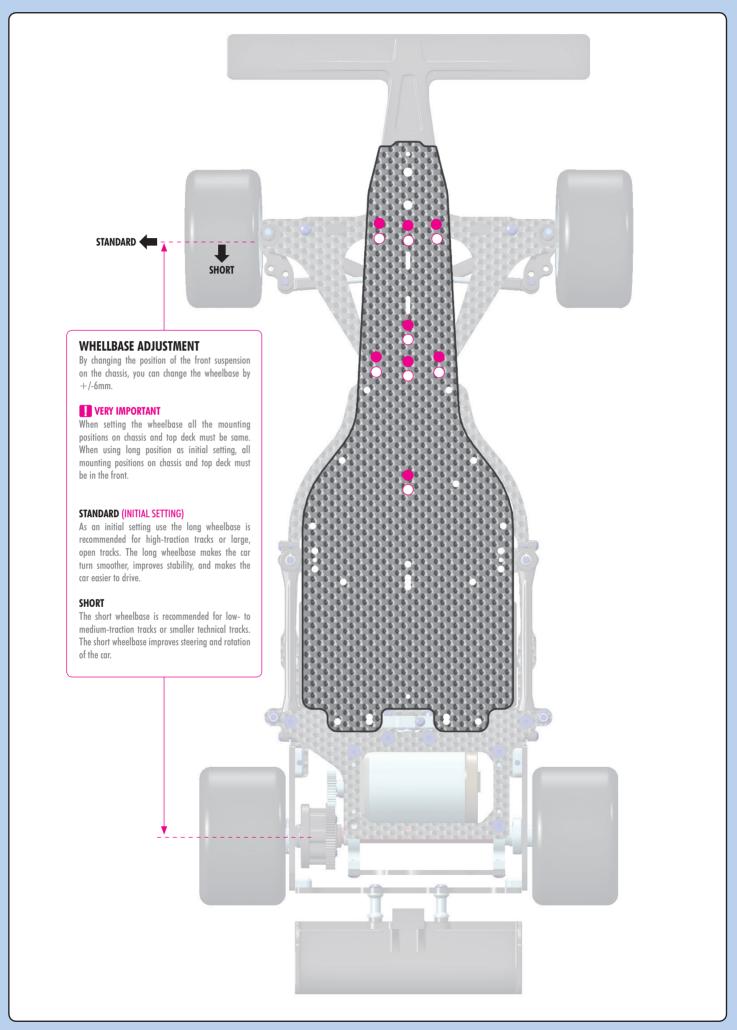




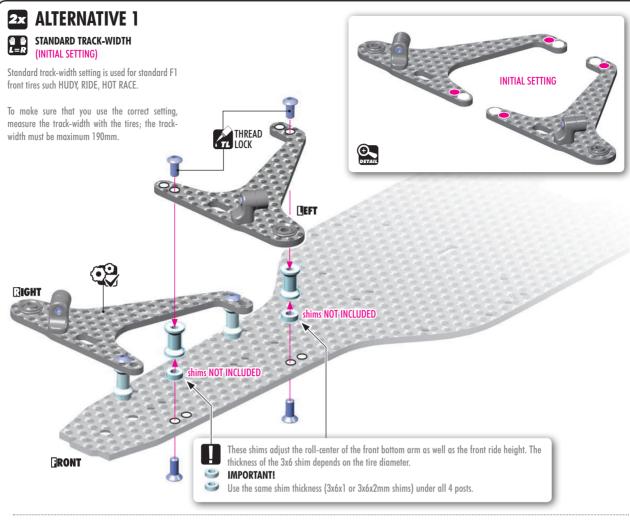




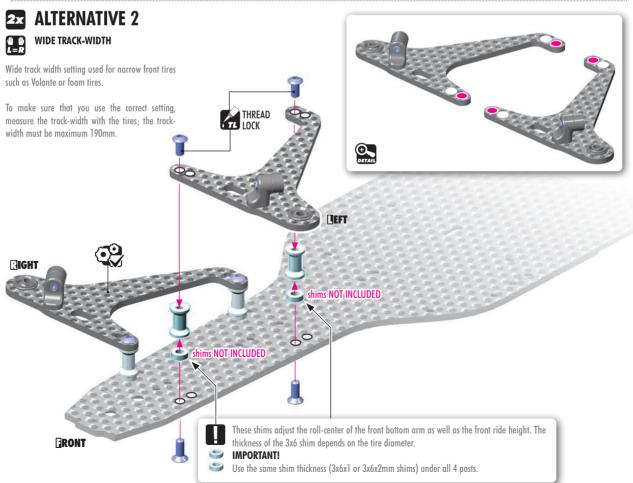




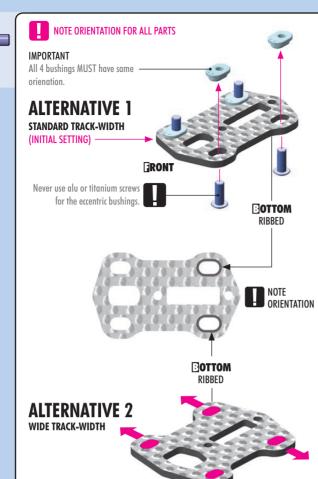


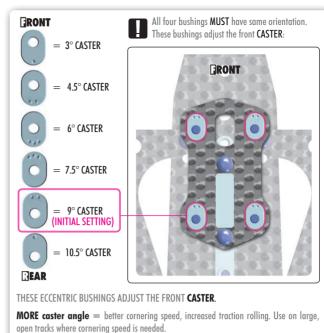






4x 902308





 $\textbf{LESS caster angle} = \text{more reactive steering.} \ \text{Use on technical tracks where a lot of steering}$

ALU CASTER BUSHINGS

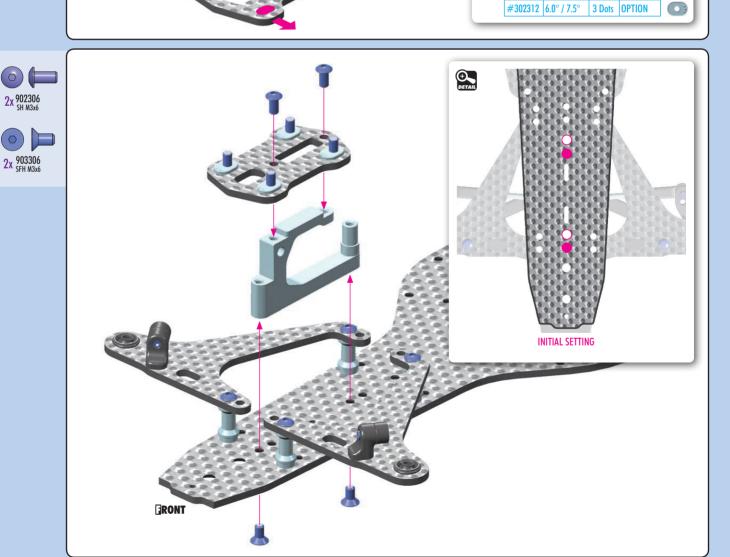
#302312 | 6.0° / 7.5°

#302310 | 3.0° / 10.5° | 1 Dot | OPTION

#302311 4.5° / 9.0° 2 Dots INCLUDED

3 Dots OPTION

0



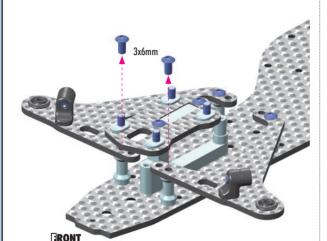
response is needed.



3x SH M3x8

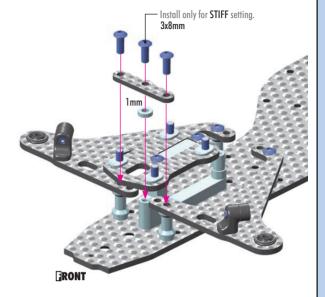
1x 303122-K

STEP 1:
To install the graphite brace remove the 3x6mm screws and graphite arm mount plate.



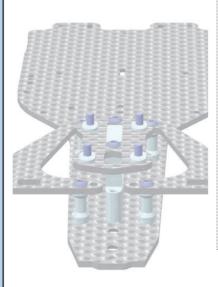
STEP 2:

Install the graphite brace using 3x8mm screws. For stiff setting install also the 1mm shim.



SOFT - WITHOUT THE BRACE (INITIAL SETTING)

The car will have less initial steering. Recommended for high- and very-high-traction carpet tracks where the car needs to be easy to drive and less responsive.

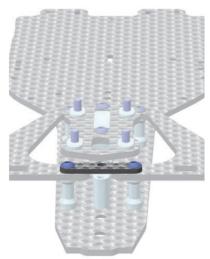


- BRACE (NOT USED)
- SHIM (NOT USED)

MEDIUM - WITH BRACE

Improves in-corner steering but still keeps the car easy to drive. Recommended for medium-high traction carpet tracks and high-traction asphalt tracks.

YOU CAN INSTALL A LOWER ARM BRACE TO INCREASE STEERING RESPONSE.



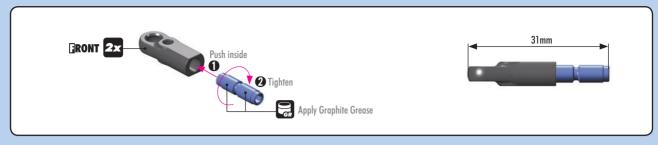
- BRACE USED
- SHIM (NOT USED)

$\textbf{STIFF} \cdot \textbf{WITH BRACE AND CONNECTED TO ALU FRONT STAND}$

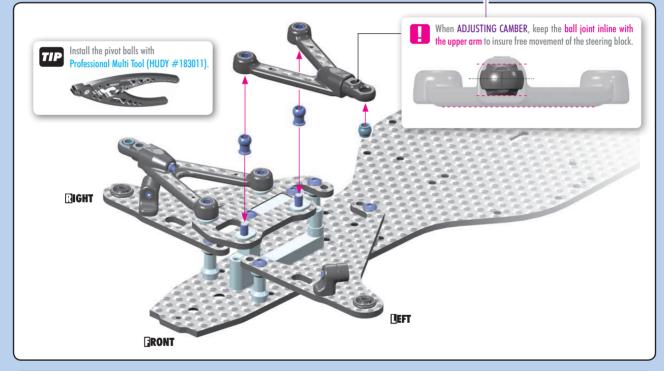
Provides maximum steering response. Recommended for low-medium traction carpet tracks and for all different traction conditions on asphalt tracks.



- BRACE USED
- SHIM USED







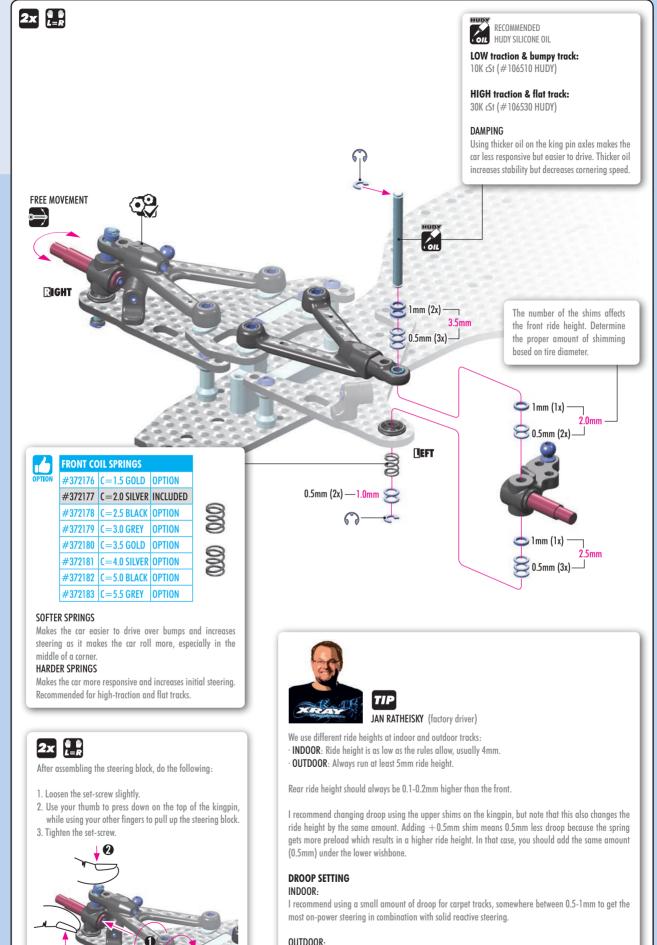


You should use more droop for asphalt tracks. At least 1mm up to 2mm. The more droop, the more on-power rear traction you get because of weight transfer to the rear. It also helps to get a more smooth-

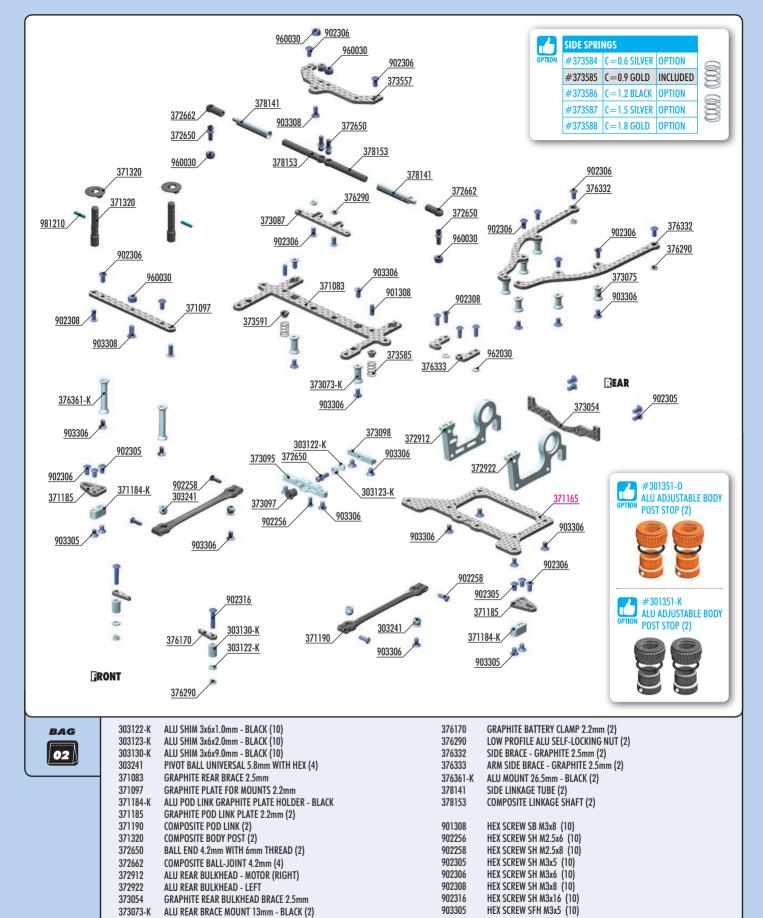


20x 372290 SHIM 3.2x4.8x0.5

4x 965019



to-drive car at corner entry.





HEX SCREW SFH M3x6 (10)

HEX SCREW SFH M3x8 (10)

GRAPHITE REAR POD LOWER PLATE 2.5mm

WASHER S 3x6x0.3 (10)

NUT M3 (10)

PIN 2x10 (10)

903306

903308

960030

962030

981210

371165

COMPOSITE SIDE SPRING HOLDER (2)

ALU REAR BRACE MOUNT 10.5mm - BLACK (2)

ALU CHASSIS PIVOT HOLDER - SWISS 7075 T6

ALU POD PLATE PIVOT HOLDER - SWISS 7075 T6

GRAPHITE BATTERY BACKSTOP 2.2mm - V2

GRAPHITE REAR POD UPPER PLATE 2.5mm SIDE SPRING C=0.9 - GOLD (2)

COMPOSITE PIVOT BRACE BUSHING

373075

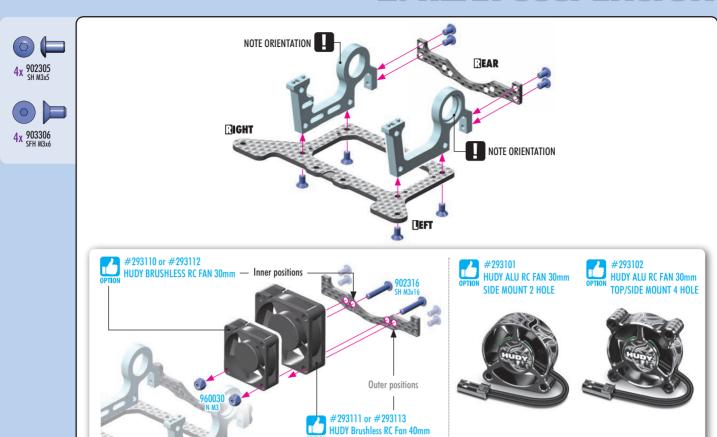
373087

373095

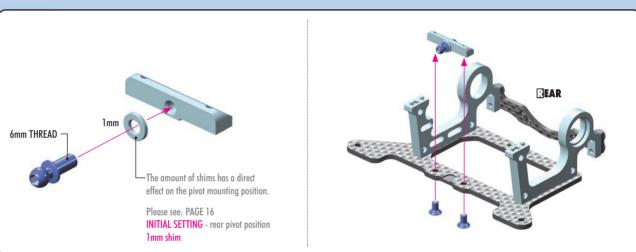
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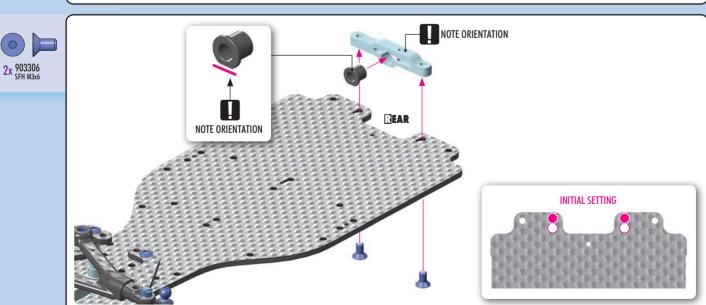
373098 373557

373585 373591

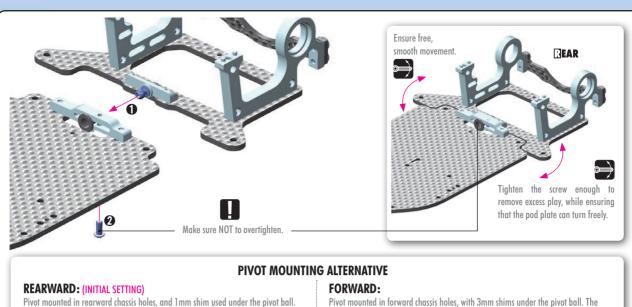


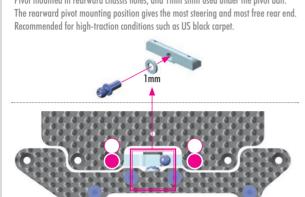




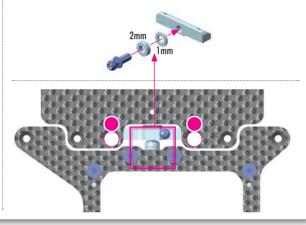








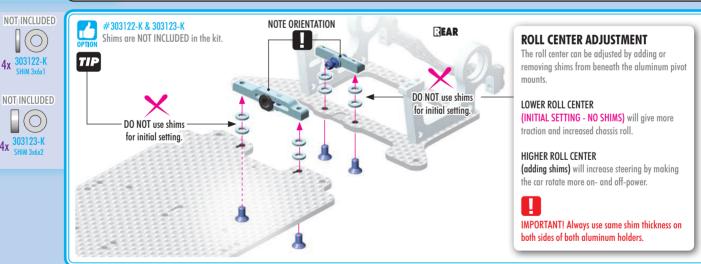
Pivot mounted in forward chassis holes, with 3mm shims under the pivot ball. The forward pivot mounting position gives a good balance between front and rear traction.

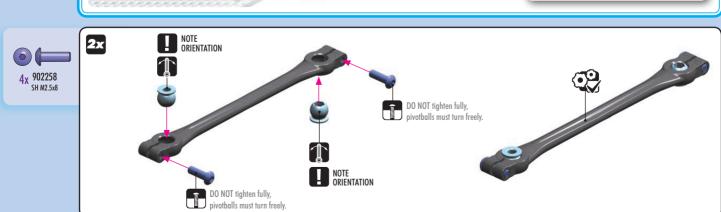


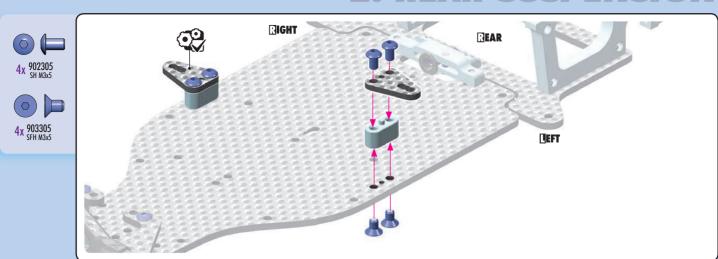


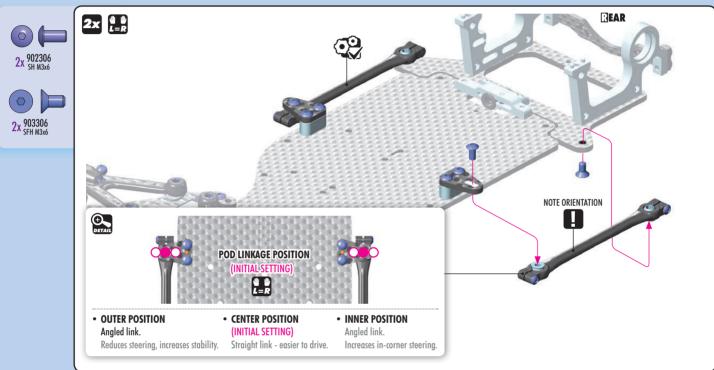
4x 303122-K

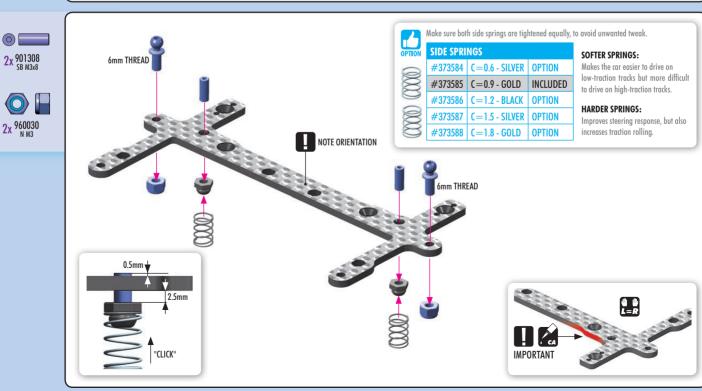
4x 303123-K

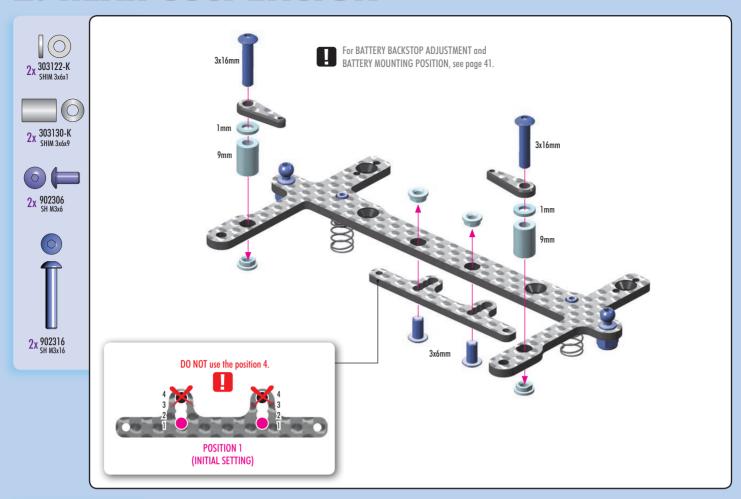


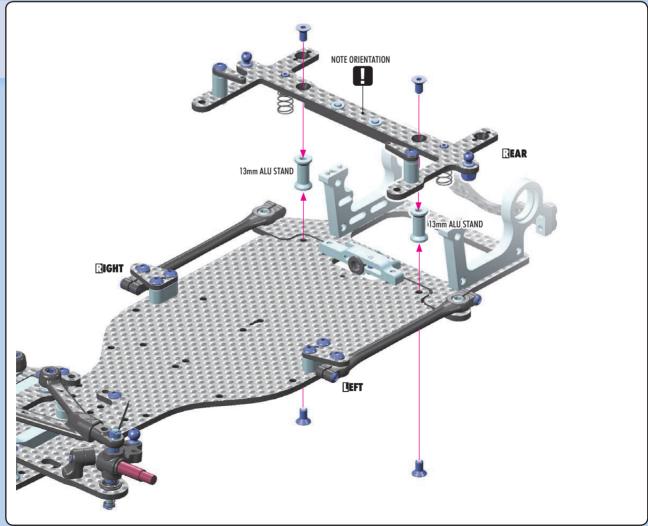




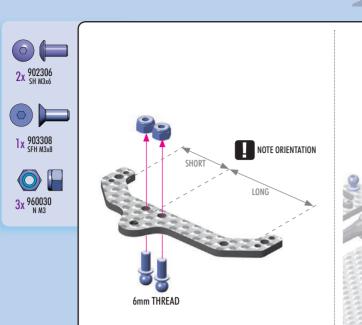


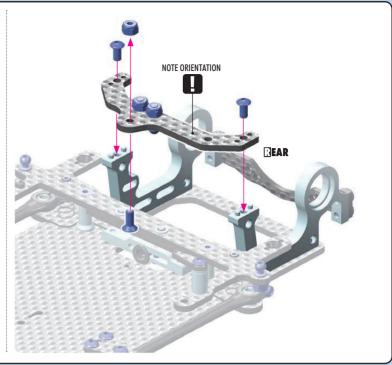




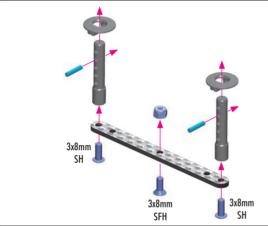


4x 903306 SFH M3x6



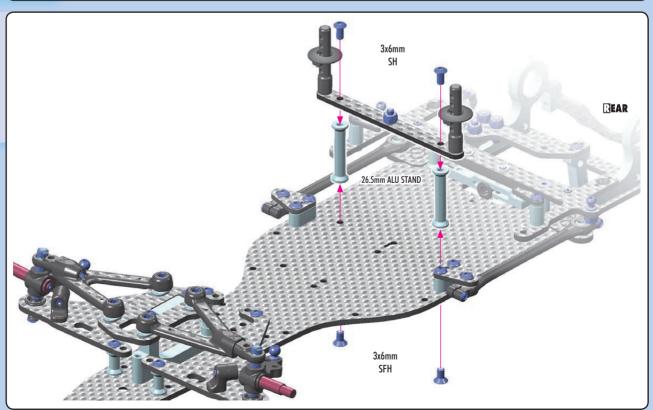




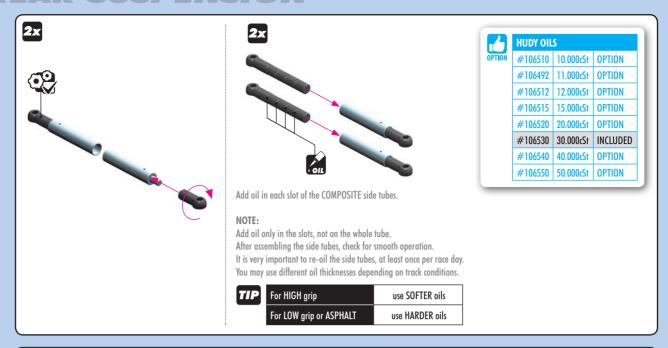


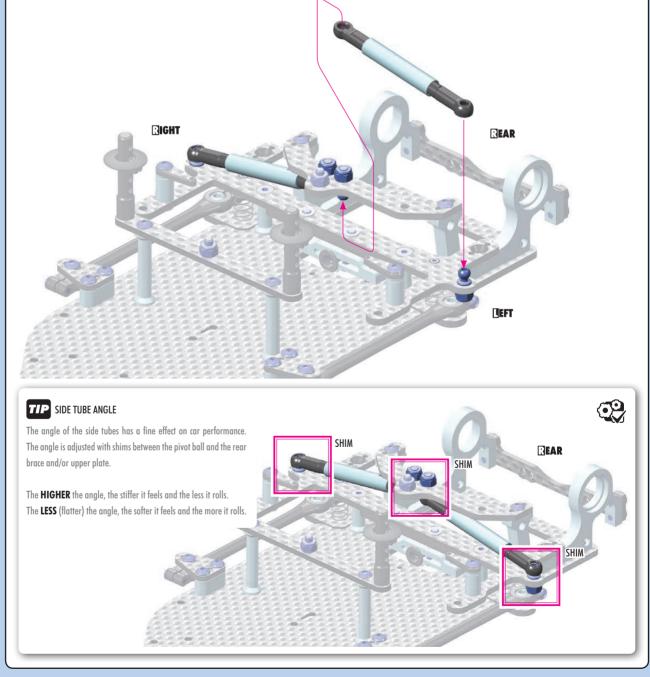


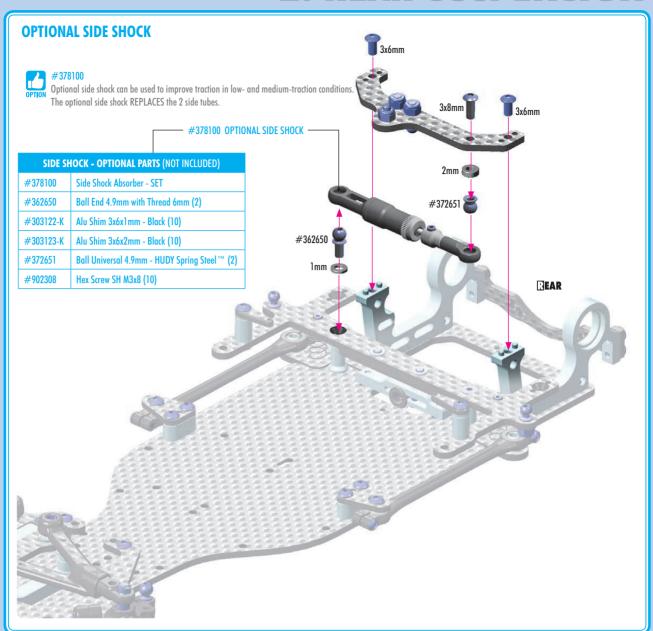




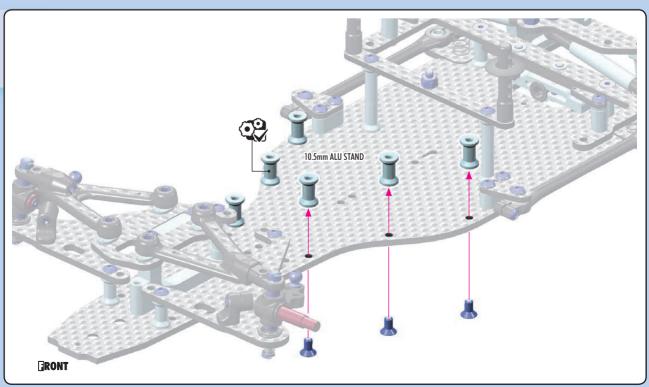
X1'24

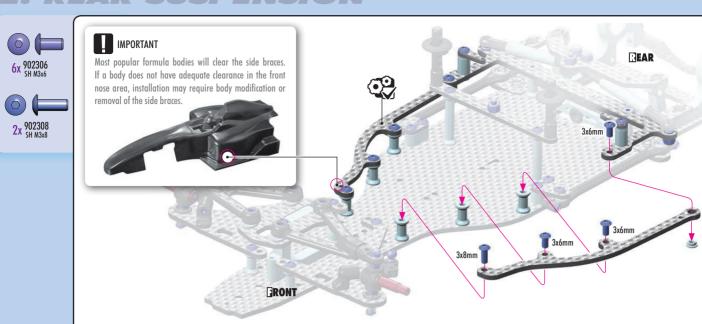




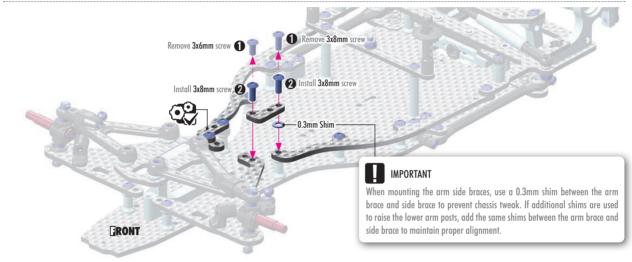












CHASSIS FLEX ADJUSTMENT

SOFT (NO BRACES)

Generates more mechanical grip. Recommended for low- to medium-traction carpet as well as asphalt.

MEDIUM

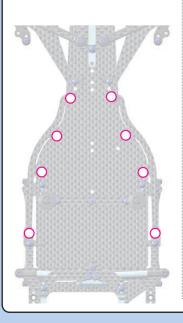
Braces installed, attached at middle & rear only. This setting is a good compromise between mechanical grip and steering response. Ideal for most conditions.

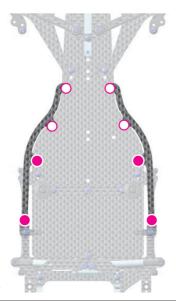
STIFF

Side braces installed, attached using front, frontmiddle, middle, and rear screws. This setting provides additional stiffness and more stability. Recommended for high traction carpet (ex: US black carpet). Reduces chassis roll but also reduces overall grip. Recommended for foam tire

EXTRA STIFF

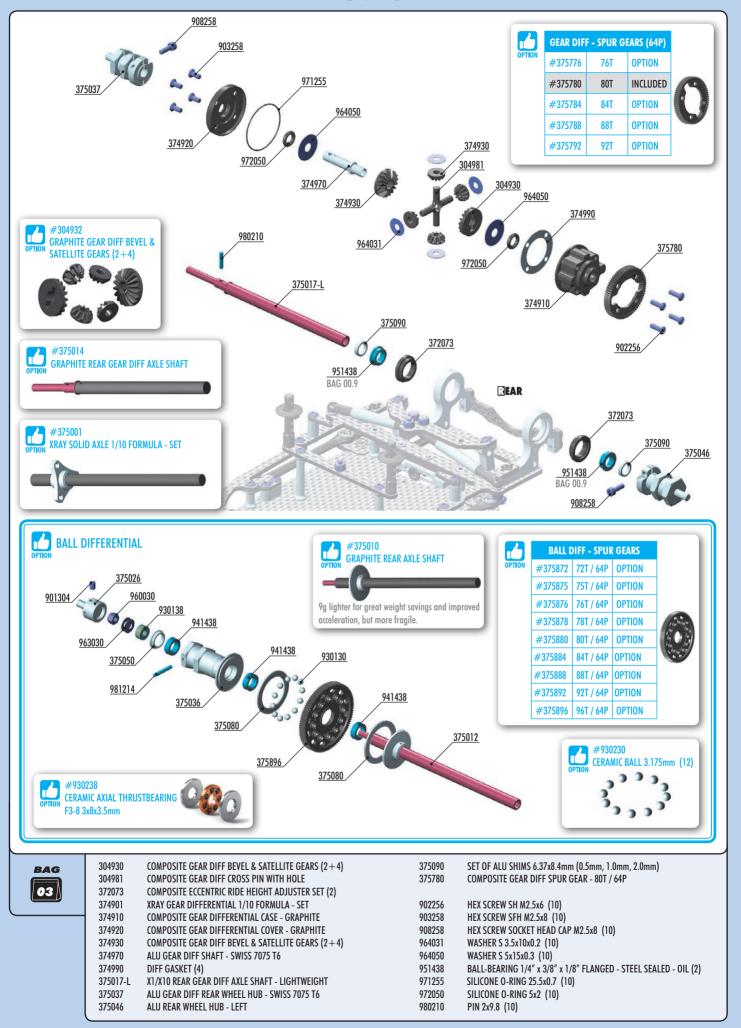
Side braces installed, attached using front, frontmiddle, middle, and rear screws. Front arm braces are installed between lower arms and side braces. This setting provides maximum chassis stiffness and stability. Recommended for foam tire racing.

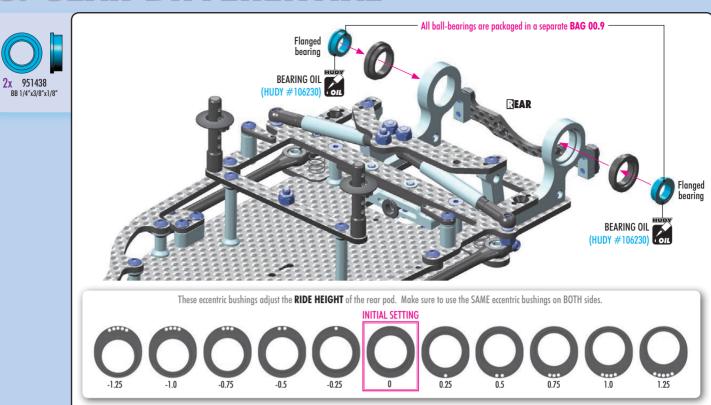


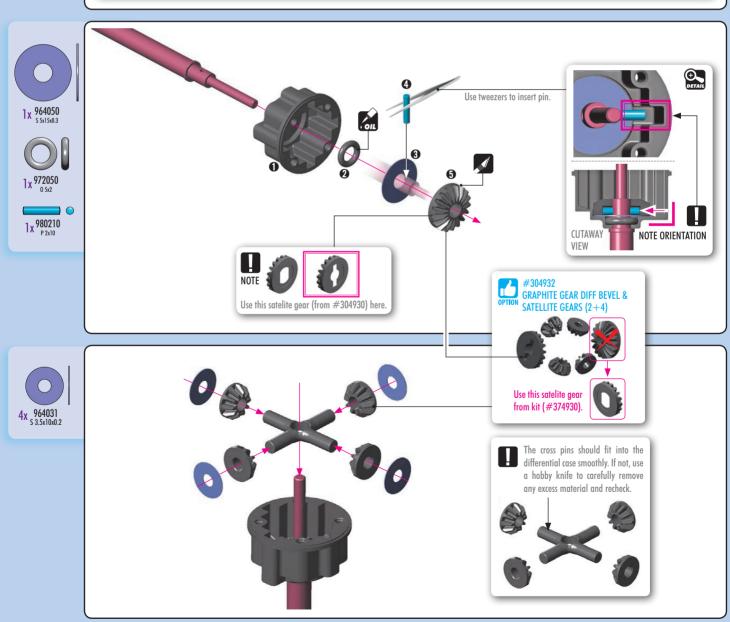


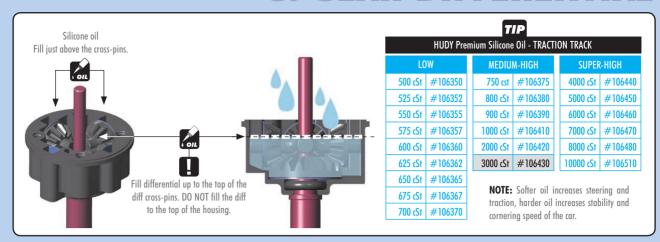






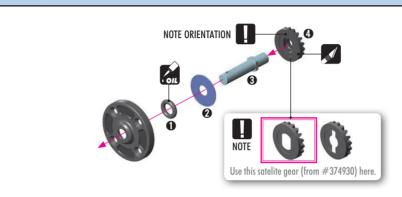








1x 972050 0 5x2





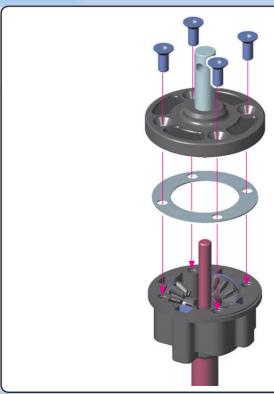




After disassembling the gear diff the large O-ring may have an increased size and may be more difficult to re-install. We recommend either inserting the old O-ring carefully in the diff cover, or replacing the old O-ring with

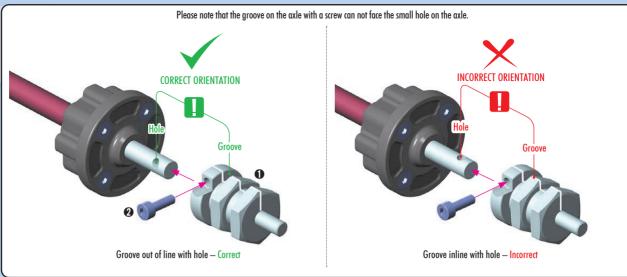
a new O-ring if the old one cannot be made to fit properly.



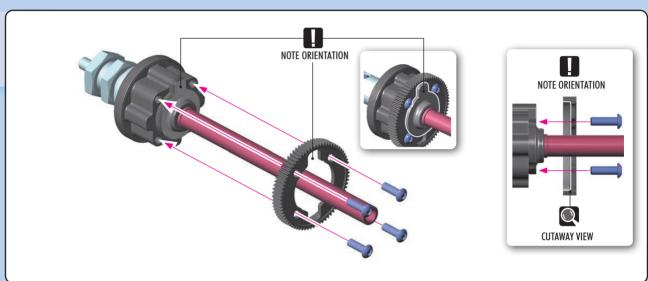


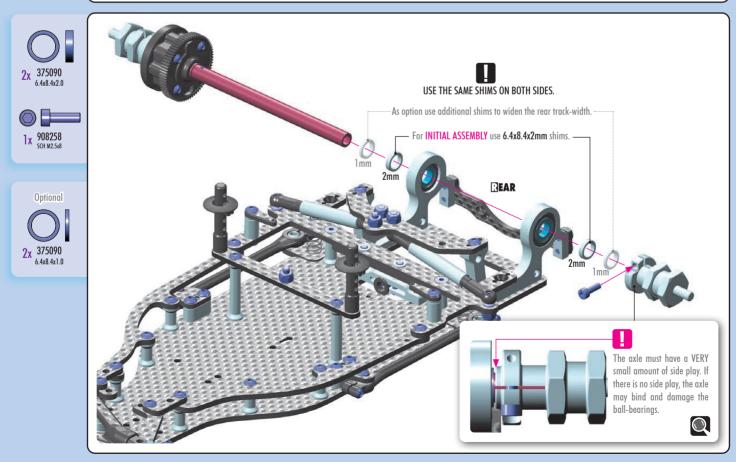




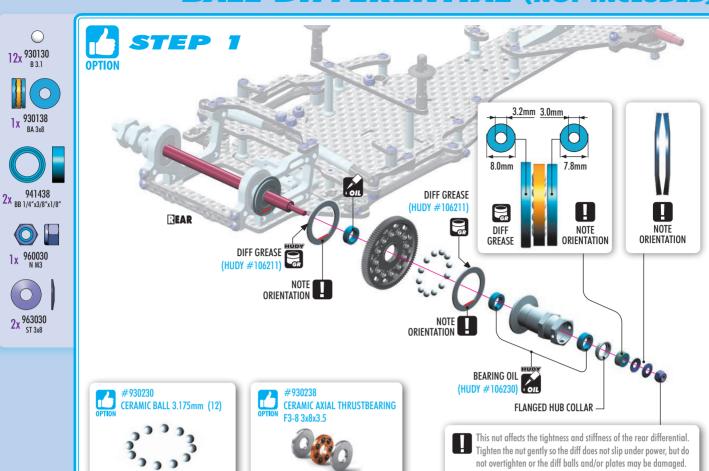


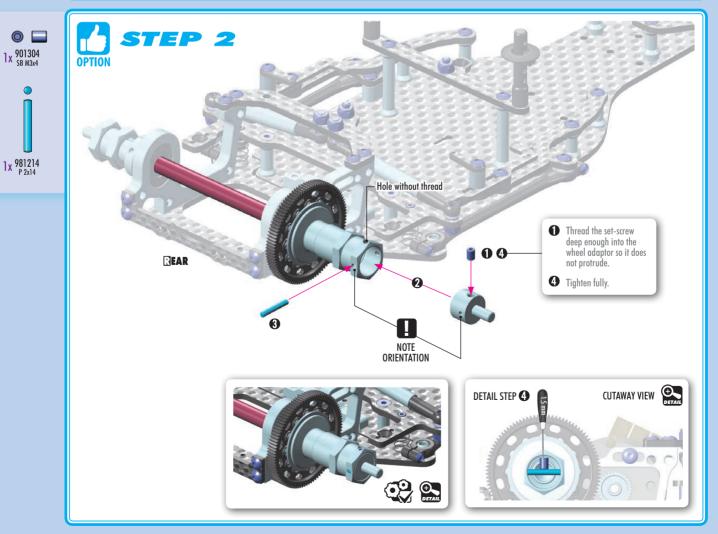




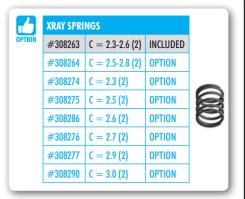


BALL DIFFERENTIAL (NOT INCLUDED)



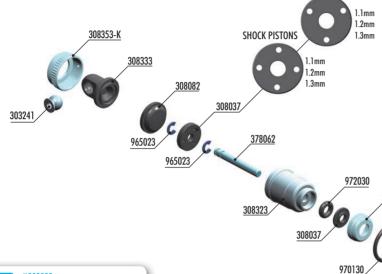






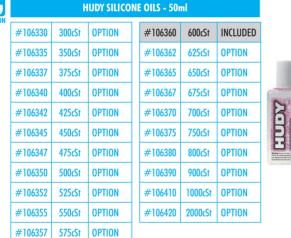
901303

308316











Progressive shock system for improved traction and steering characteristics. Shock insert has 3 triangle cuts and is used with piston WITHOUT holes. The hardness of the shock is influenced not by the holes in the piston, but rather by the insert.

378072-K

303241



ı	BAG	
1	04	

378062

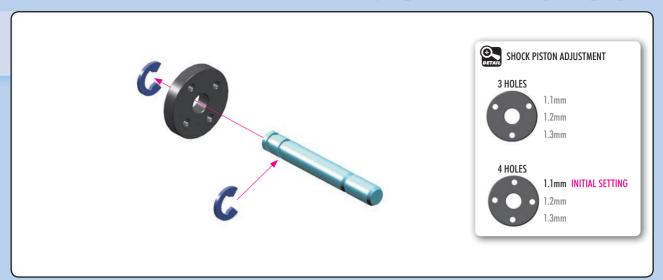
BALL UNIVERSAL 5.8mm HEX (4) 303241 308037 COMPOSITE PISTONS 4-HOLE 1.0-1.2mm, 3-HOLE 1.0-1.2mm 308042-K ALU SHOCK ADJUSTABLE NUT - BLACK (2) SHOCK ABSORBER MEMBRANE (4) 308082 308316 SHOCK BALL JOINT - OPEN (4) ALU XRAY SHOCK BODY (2) 308323 ALU CAP FOR XRAY SHOCK BODY - BLACK 308327-K 308333 COMPOSITE SHOCK PARTS FOR ALU SHOCKS ALU SHOCK CAP-NUT WITH VENT HOLE - BLACK (2) 308353-K XRAY 4S SPRING-SET PROGRESSIVE C=2.3-2.6 (2) 308263

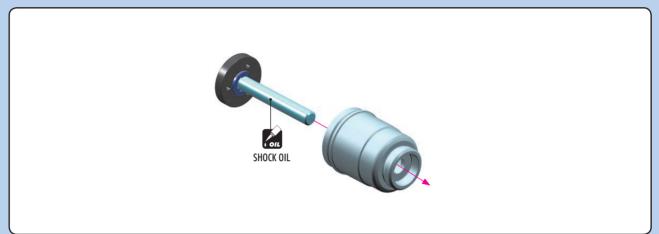
ALU SHOCK SPRING COLLAR - BLACK 378072-K

901303 HEX SCREW SB M3x3 (10) 965023 E-CLIP 2.3 (10) 970130 0-RING 13 x 1.5 (10) 972030 SILICONE O-RING 3 x 2 (10)

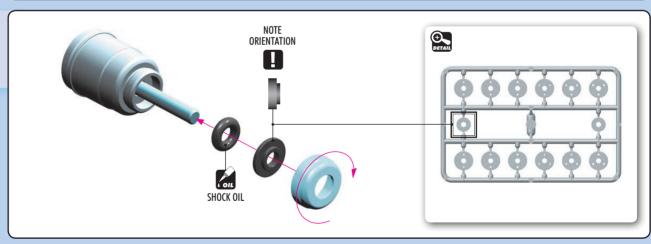
SHOCK SHAFT

2x 965023 C 2.3

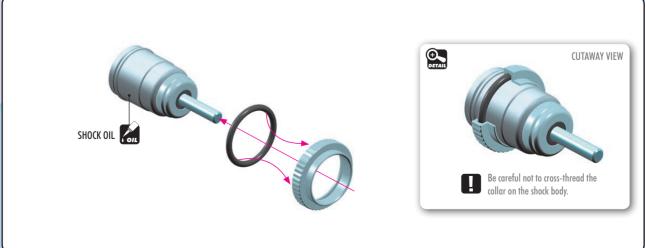












SHOCK FILLING

SOFTER OIL

Recommended for bumpy and low-traction tracks, generates more traction.

HARDER OIL

Recommend for flat and high-traction tracks, improves steering response.



- Fully extend the piston rod so the piston is at the bottom of the shock body.
- Hold the shock upright and slightly overfill the shock body with shock oil.
- Let the oil settle and allow air bubbles to rise to the top. Slowly move the piston up and down to allow oil into all cavities within the shock body.
- Extend 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.
- 6 Add shock oil as necessary.







TIP

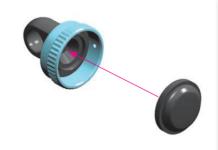
To make sure that all the air is removed from the shock oil, we recommend using the HUDY Air Vac.



ON			
	#106330	300cSt	OPTION
	#106335	350cSt	OPTION
	#106337	375cSt	OPTION
	#106340	400cSt	OPTION
	#106342	425cSt	OPTION
	#106345	450cSt	OPTION
	#106347	475cSt	OPTION
	#106350	500cSt	OPTION
	#106352	525cSt	OPTION
r	#106355	550cSt	OPTION
8	#106357	575cSt	OPTION
2011	#106360	600cSt	INCLUDED
200	#106362	625cSt	OPTION
10	#106362 #106365	625cSt 650cSt	OPTION OPTION
30			
22 40	#106365	650cSt	OPTION
72 40	#106365 #106367	650cSt 675cSt	OPTION OPTION
	#106365 #106367 #106370	650cSt 675cSt 700cSt	OPTION OPTION
	#106365 #106367 #106370 #106375	650cSt 675cSt 700cSt 750cSt	OPTION OPTION OPTION
100	#106365 #106367 #106370 #106375 #106380	650cSt 675cSt 700cSt 750cSt 800cSt	OPTION OPTION OPTION OPTION OPTION

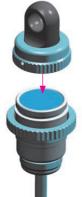
HUDY SILICONE OILS - 50ml







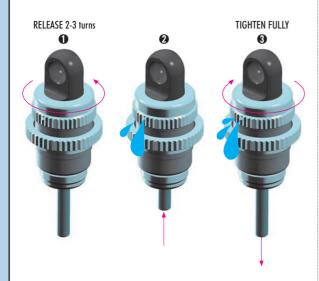
After you insert the membrane, ensure that it is fully seated inside the alu cap.



- When installing the shock cap assembly on the shock body, some oil will leak out... this is normal.
- 2 Tighten the cap and clean off any excess oil.
- After the shock is assembled, the shock rod will push itself out of the shock body fairly quickly.
- 4 Follow the next procedure to adjust the rebound.



REBOUND ADJUSTMENT



AFTER THE SHOCK IS ASSEMBLED YOU HAVE TO SET THE SHOCK REBOUND:

- Release the shock cap by 2-3 turns.
- Push the shock shaft fully up. For the first time the extra oil will release through the hole in the alu cap-nut.
- Tighten the shock cup. When tightening the shock cap, extra oil will again release through the hole in the alu cap - nut. When tightening, the shock shaft will push out from the shock body.

REBOUND CHECK



REBOUND CHECK:

It is very important to push the shock shaft into the shock body slowly otherwise air can come into the shock body which would create bubles.

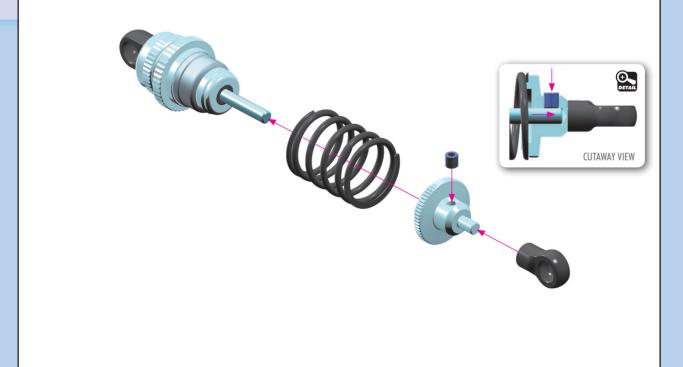
100% rebound - DO NOT do step 2 and 3

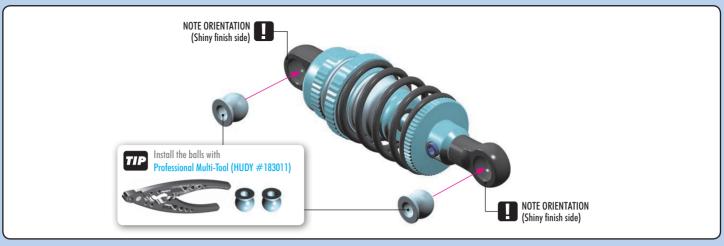
75% rebound - repeat steps 1 to 3 until the shock shaft will push out 75% of its length
50% rebound - repeat steps 1 to 3 until the shock shaft will push out 50% of its length
25% rebound - repeat steps 1 to 3 until the shock shaft will push out 25% of its length
0% rebound - repeat steps 1 to 3 until the shock shaft will push out 0% of its length

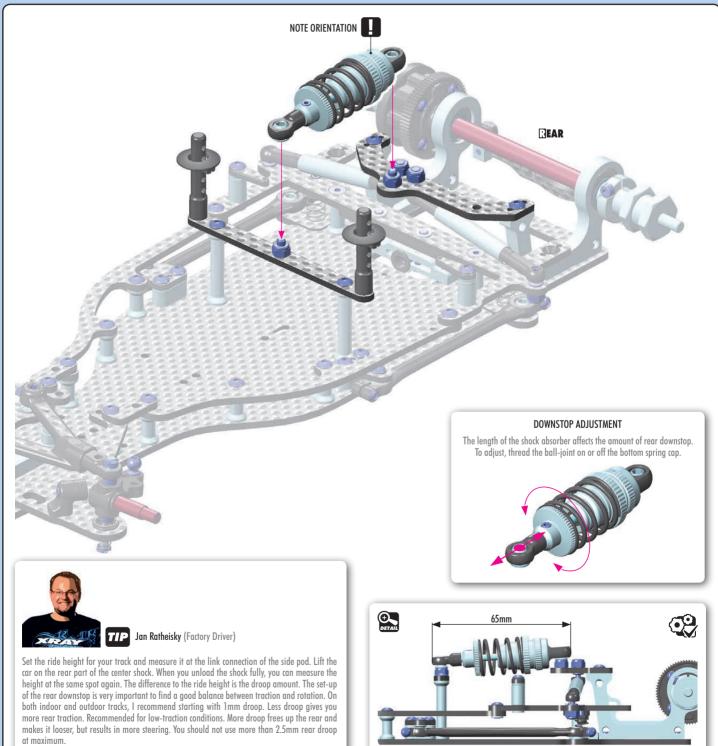
If the shock shaft does not rebound enough, you will have to refill the shock with shock oil, and then repeat the bleeding and rebound adjustment procedure.

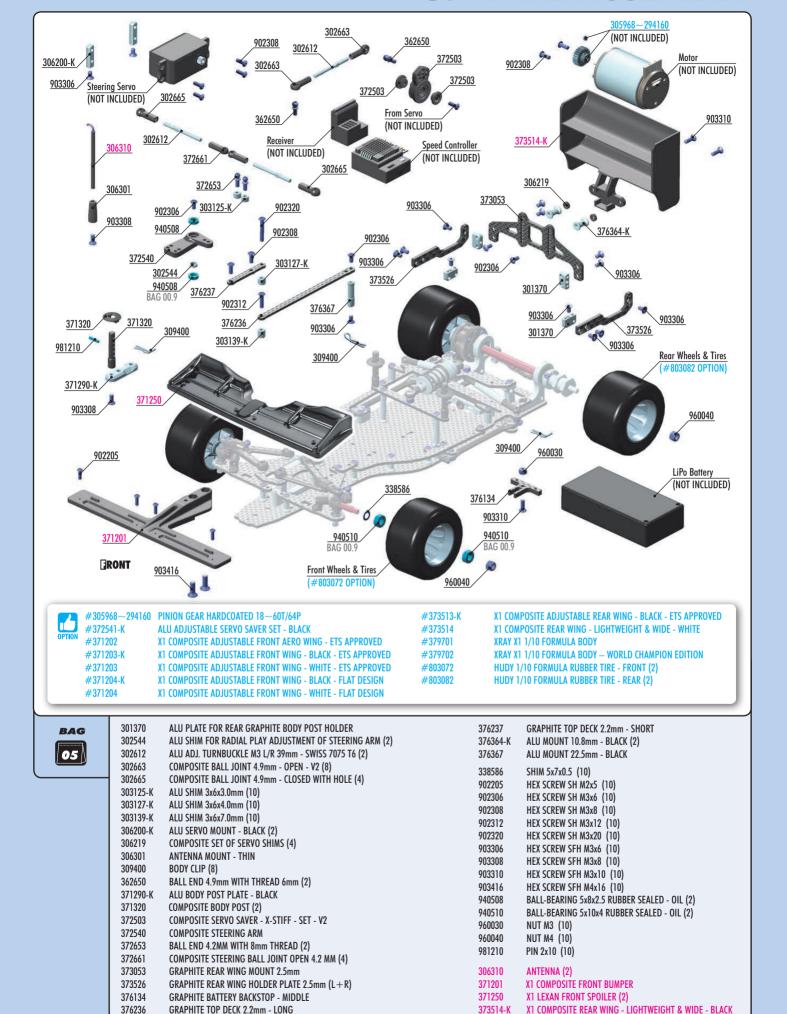


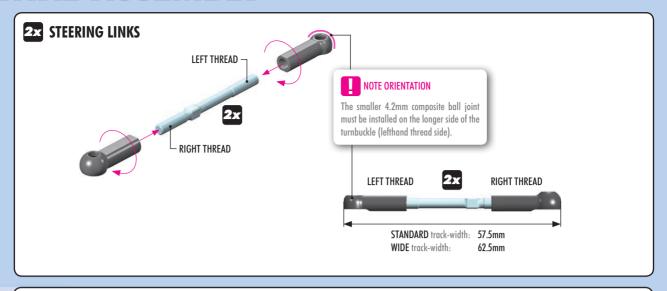
An innovative new feature is to change the center shock length (and front mounting position). By using longer or shorter shock, the damping and steering can be changed.



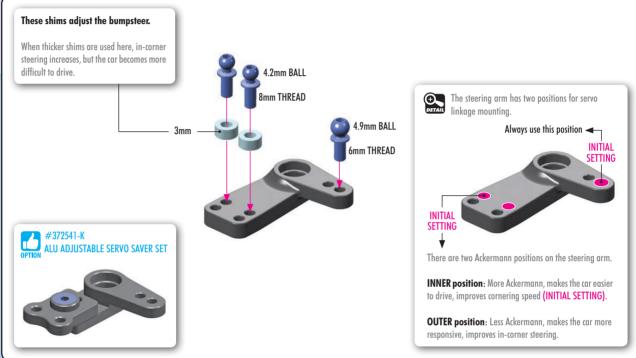


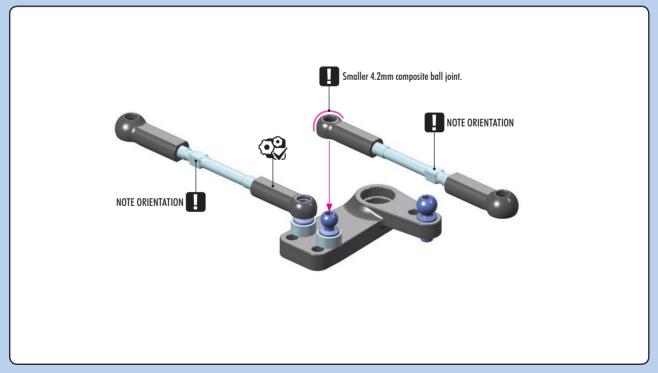




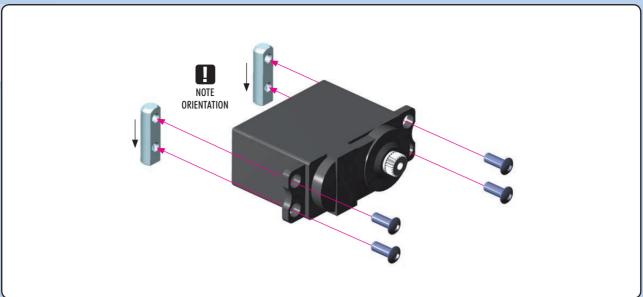








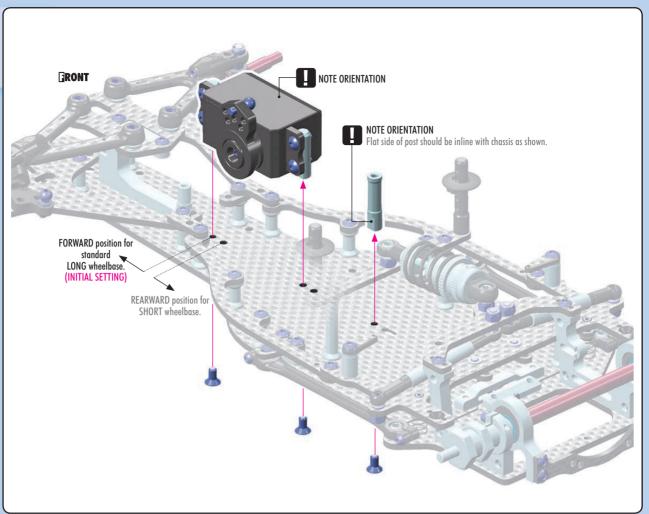




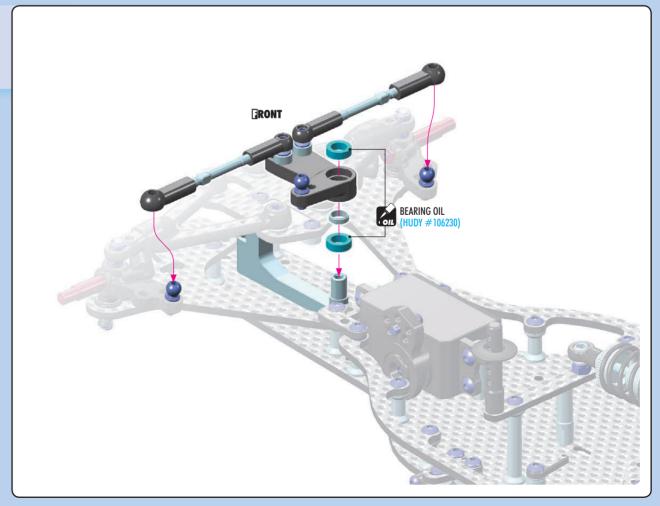






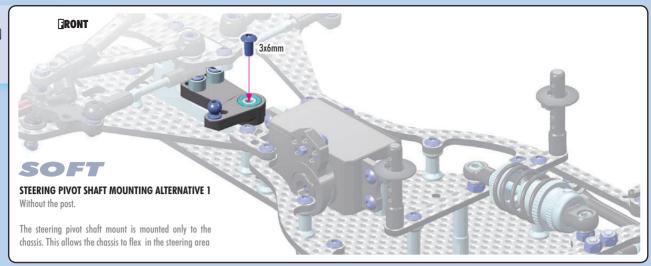




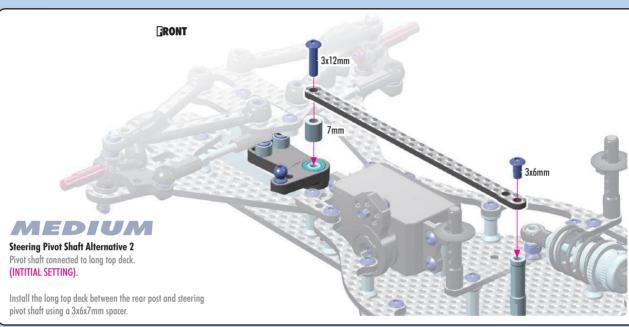




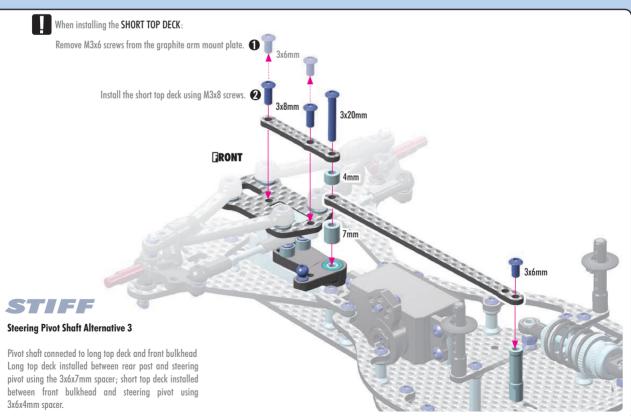




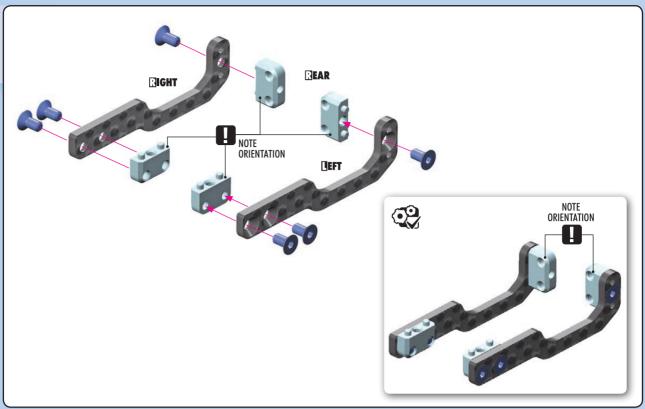


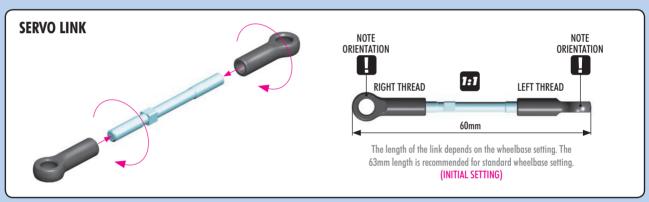


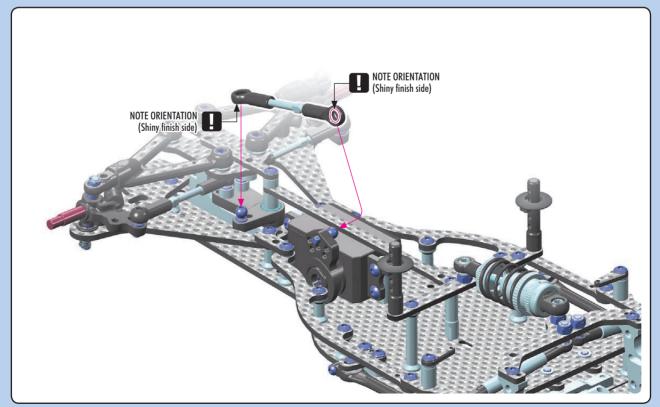




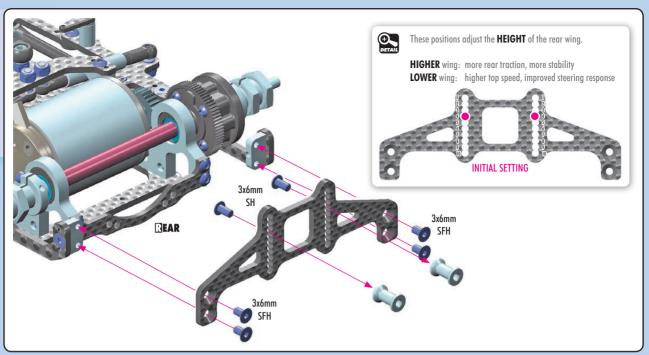




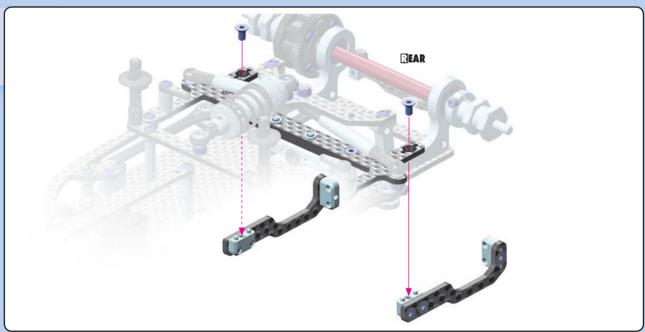




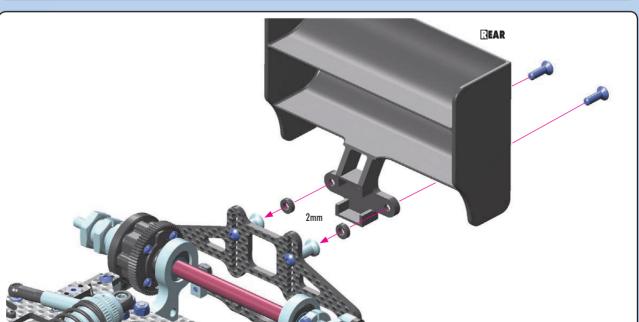
















WING POSITION 1 LOW DOWNFORCE:

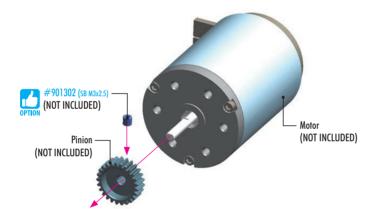
Low downforce setting is recommended on tracks where top speed is more important over rear stability on-power/in high speed corners.

② HIGH DOWNFORCE:

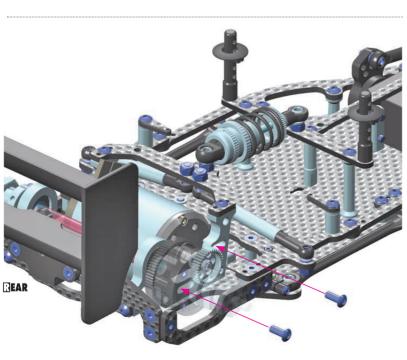
High downforce setting recommended for most tracks.











	ALI	J PIN	ION GEAR	S H	ARDCOATE	D - 64	ŀР
N	#305968	18T	OPTION		#294137	37T	01
	#305969	19T	OPTION		#294138	38T	01
	#305970	20T	OPTION		#294139	39T	01
	#305971	21T	OPTION		#294140	40T	01
	#305972	22T	OPTION		#294141	41T	01
	#305973	23T	OPTION		#294142	42T	01
	#305974	24T	OPTION		#294143	43T	01
	#305975	25T	OPTION		#294144	44T	01
	#294126	26T	OPTION		#294145	45T	01
	#294127	27T	OPTION		#294146	46T	01
	#294128	28T	OPTION		#294147	47T	01
	#294129	29T	OPTION		#294148	48T	01
	#294130	30T	OPTION		#294149	49T	01
	#294131	31T	OPTION		#294150	50T	01
	#294132	32T	OPTION		#294152	52T	0

#294133 | 33T | OPTION

34T

35T

36T OPTION

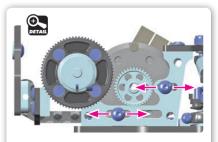
OPTION

OPTION

#305984

#305985

#294136



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.



37T OPTION

38T OPTION

41T OPTION

42T OPTION

43T OPTION

44T OPTION

47T OPTION

48T OPTION

49T OPTION 50T OPTION

52T OPTION

54T OPTION

60T OPTION

OPTION

56T

58T OPTION

#294154

#294156

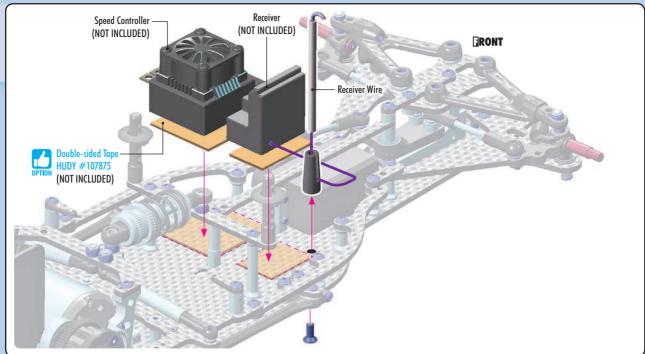
#294158

#294160

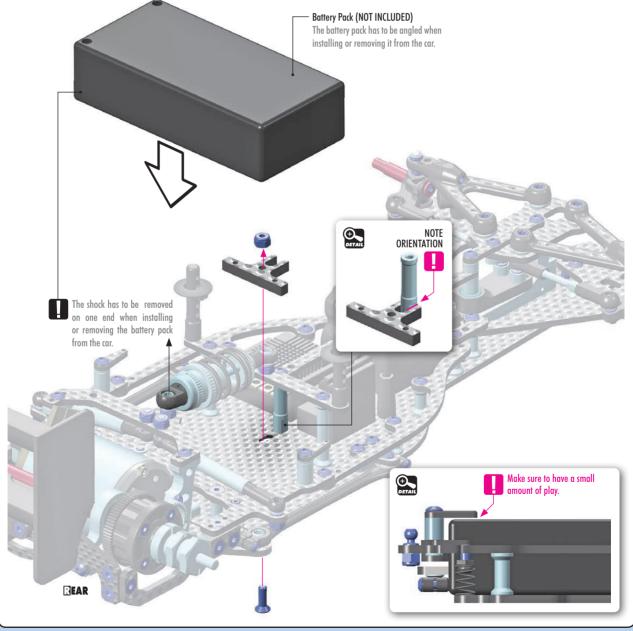
45T OPTION 46T OPTION

39T OPTION 40T OPTION

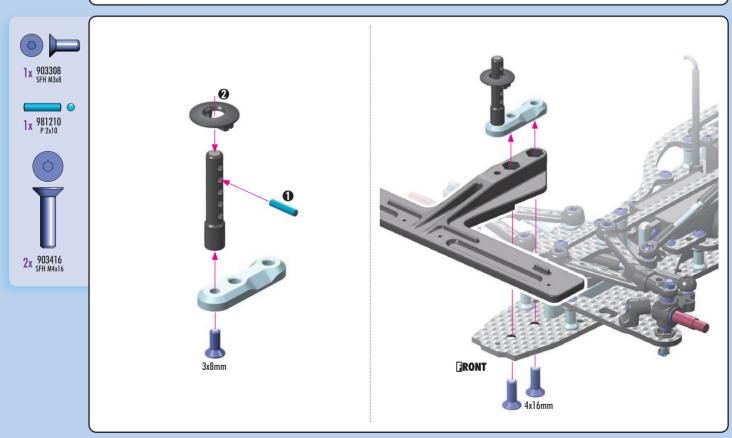


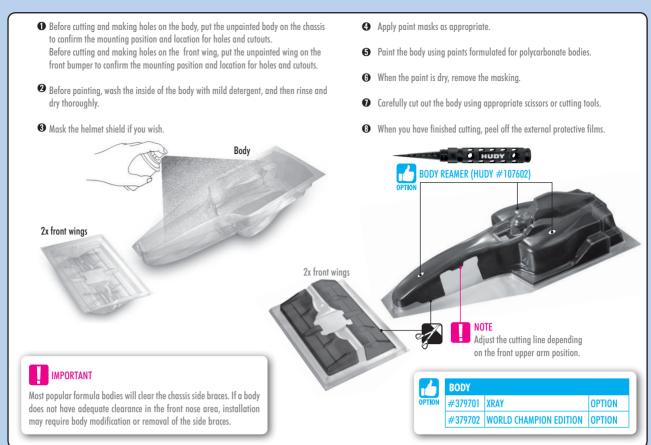


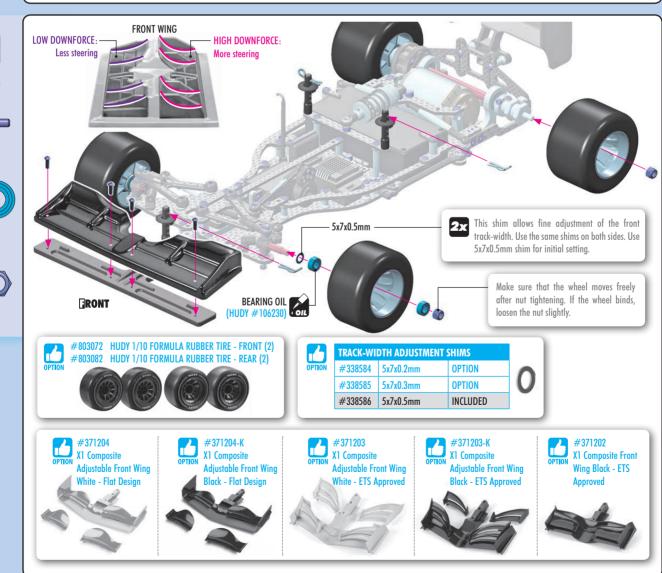




BATTERY MOUNTING POSITIONS The X1 has 3 battery mounting positions. The MORE FORWARD the battery is, the car will be The MORE REARWARD the battery is, the car will be more easier to drive but it will be less responsive. aggressive and have more steering. » Easier to drive » More aggressive » Less responsive » More steering REARWARD battery place FORWARD battery placement







2x 338586 SHIM 5x7x0.5

4x 902205 SH M2x5

4x 940510 BB 5x10x4

4x 960040

www.feamxray.com

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