1/10 LUXURY ELECTRIC GT PANCAR



INSTRUCTION MANUAL FOR X10'22 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.

can not accept your kit for return or exchange after it has been partially or fully assembled.

Carefully read 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, do not continue any further. Your hobby dealer

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

CUSTOMER SUPPORT

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

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

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

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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 parks
- In limited indoor spaces
- In limited indoor s
- 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 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.

OUALITY 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.



TOOLS REQUIRED





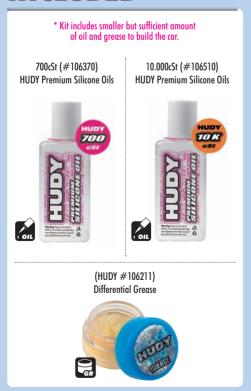


Alexander Hagberg (Factory Driver)

When a **QR CODE** is found in the instruction manual, scan the code to be directed to an online video that explains that feature or adjustment in more detail. Make sure to watch all of the instructional videos to get the most performance out of your car.

The Tech Tips videos that you can scan in this instruction manual and watch are for X12. Therefore, it is important to use these videos for X10 as information and as an extra aid to understand the correct settings, but you must not take it completely into detail.

INCLUDED



ALSO REQUIRED

Transmitter	Receiver	Speed Controller	Steering Servo
			10
Electric Motor & Pinion Gear with Setscrew	LiPo Battery	Battery Charger	Bearing Oil (HUDY #106230)
		9000	in the second se
Tires	1/10 GT Bodyshell	Lexan™ Paint	Double-sided Tape (HUDY #107875)
			Agh

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.

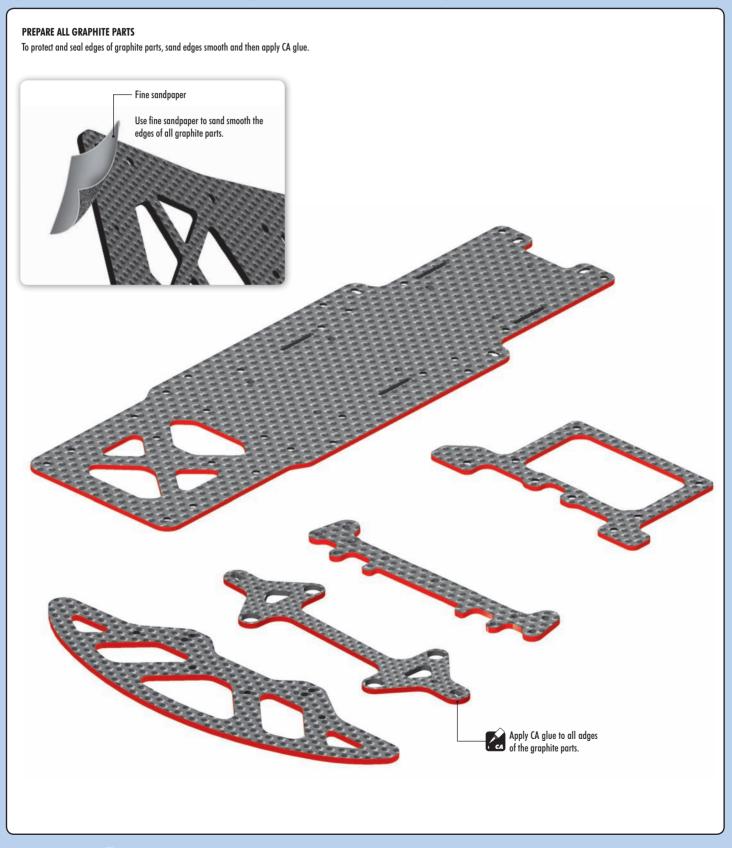
The part descriptions are color-coded to make it easier for you to identify the source of a part. Here are what the different colors mean:

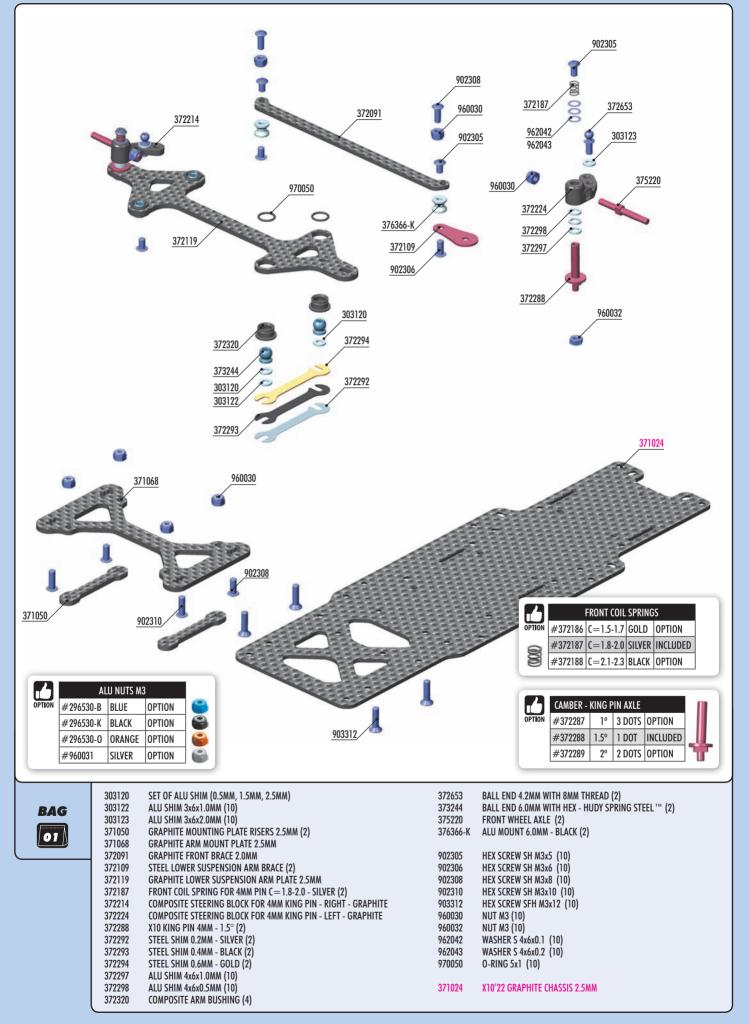
371068 STYLE A - indicates parts that are included in the bag marked for the section.

371024 STYLE B - indicates parts that are included in the box.

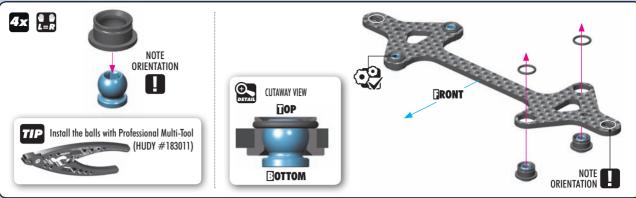
378003 STYLE C - indicates parts that are already assembled from previous steps.

GRAPHITE PARTS PREPARATION





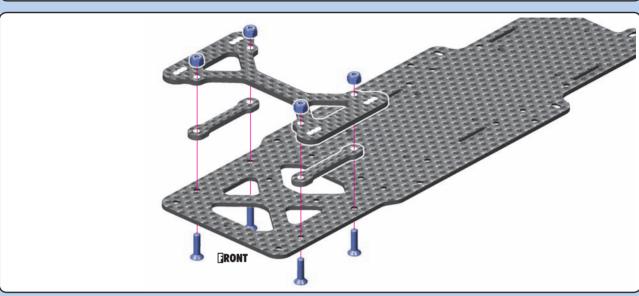
















303122 SHIM 3x6x1

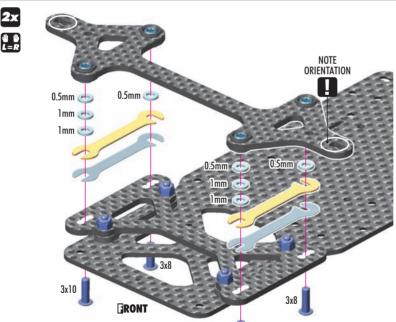








CASTER ADJUSTMENT



ALTERNATIVE FRONT POSITION

Longer wheelbase is recommended for bigger tracks with longer sweepers. Makes the car more stable and easier to drive.

LONG WHEELBASE

FRONT WHEELBASE ADJUSTMENT

3x10



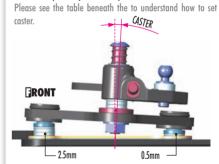
ALTERNATIVE REAR POSITION

SHORT WHEELBASE

Shorter wheelbase allows the car to rotate better in corners to maintain cornering speed. Recommended for tight, technical tracks or tracks with numerous 180° hairpin corners.

CASTER ADJUSTMENT SETTING

Caster is adjusted by the shims placed under front ball.



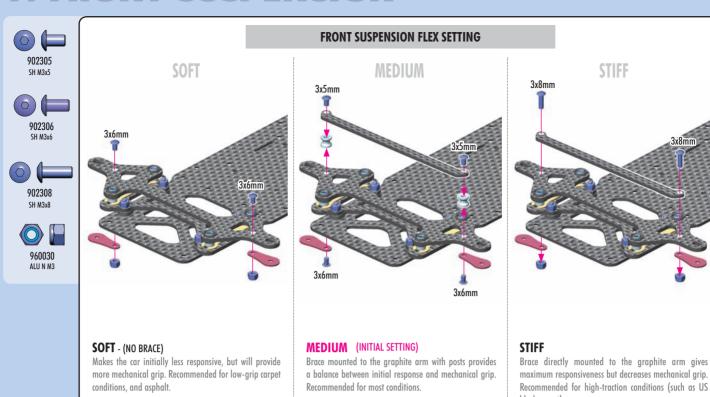
2.	5 - <mark>0.5= 2.0mm</mark> (Shim Dil	ference and Caster 3	°) -
<u> </u>	EXTRA SHIM UNDE	R FRONT BALL	
INITIAL SETTING	SHIM DIFFERENCE	CASTER	INI Set
	1mm	1.5°	
	2mm	3°	
	3mm	4.5°	
	4mm	6°	
	5mm	7.5°	

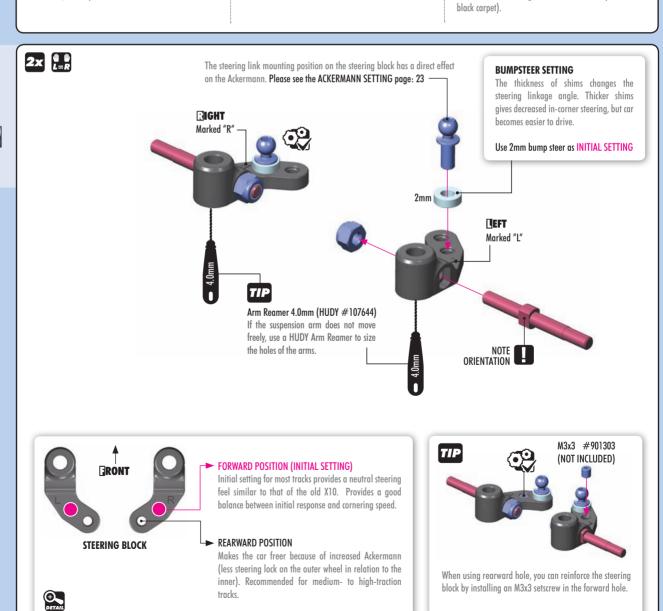
RIDE HEIGHT & CASTER ADJUSTMENT

The number of washers and shims used affects the ride height and caster of the car, so determine the proper amount of shimming based on tire diameter and desired caster angle.

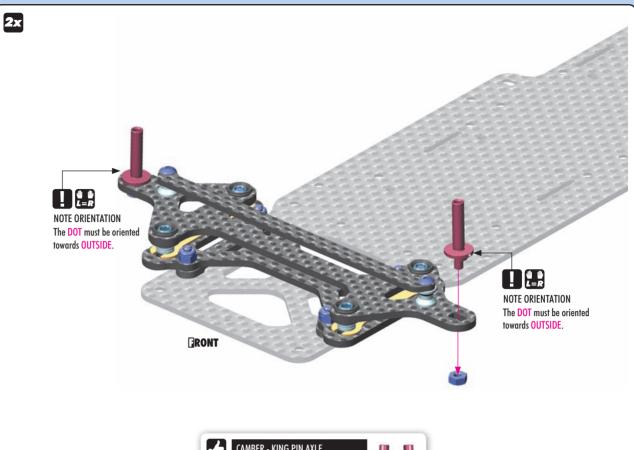


INITIAL





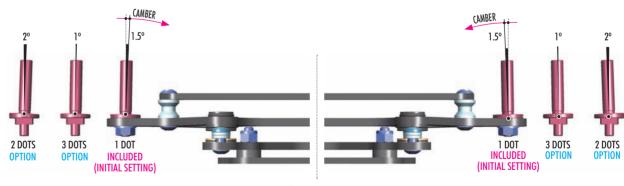




	CAMBER -	KING F	IN AXLE		m m
OPTION	#372287	1º	3 DOTS	OPTION	
	#372288	1.5°	1 DOT	INCLUDED	
	#372289	2º	2 DOTS	OPTION	

CAMBER ADJUSTMENT

The car features 1.5° angled king pin axles which are the recommended starting camber for most tracks and traction conditions. There are 1° and 2° camber king pin axles optionally available.



RONT VIEW

INCREASING THE CAMBER ANGLE

will increase the car steering, however, will make the car more difficult to drive.

DECREASING THE CAMBER ANGLE

will decrease the steering which will make the car easier to drive and also helps to prevent traction rolling.













TIP Alexander Hagberg (Factory driver)

RIDE HEIGHT AND DROOP ADJUSTMENT SHIMS:

Ride height is adjusted with the supplied long shims (silver, black, gold) that can be placed under the arms. I recommend using the lowest possible ride height, unless the track surface is very bumpy or rough. In that case, the car can benefit from having a slightly higher ride height which will help to increase stability and improve handling over bumps.

The front axle height can be adjusted with shims under the steering block. You cannot change the roll center at the front of the X10'22 because there is no upper arm. Adding shims under the steering block — which raises the steering block — will raise the front axle height, and at the same time will decrease bump steer. Removing shims will lower the steering block and increase bump steer. For more information about Ackermann & Bumpsteer, see PAGE 23 (servo mounting).

I recommend using the kit shimming for the front steering block as a good basic setting for most conditions.

RIDE HEIGHT ADJUSTMENT

INITIAL SETTING

O above upper arm (1.9mm) O below steering block (2.5mm)

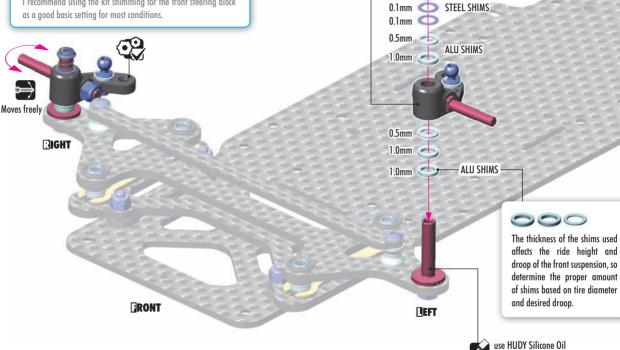
FRONT DROOP

Front droop is adjusted by the preload of the front spring. More shims between the steering block and the spring will increase preload - and decrease droop. Fewer shims will decrease preload and increase droop.

MORE DROOP will make the car initially less responsive, but it will give the car more front grip, especially in the middle of the corner. The car will be less precise and more difficult to drive, because of increased roll. More droop is best suited for low- to medium-traction carpet, or asphalt.

LESS DROOP will decrease roll but the car will change direction quicker. Less droop is best suited for high-traction surfaces such as US black carpet, especially when traction rolling is an issue (and particularly when a rear solid axle is used).

0.2mm <









1		FRONT COIL SPRINGS				
ON	#372186	C=1.5-1.7	GOLD	OPTION		
2	#372187	C=1.8-2.0	SILVER	INCLUDED		
3	#372188	C = 2.1 - 2.3	BLACK	OPTION		

SOFTER SPRINGS

Makes the car easier to drive over bumps and increases steering as it makes the car roll more, especially in the middle of a corner.

HARDER SPRINGS

Makes the car more responsive and increases initial steering. Recommended for high-traction and flat tracks.



Arm Reamer 4.0mm (HUDY #107644)

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 on the king pin; it is important that the steering block moves freely but without excessive play. If the king pin does not insert into the steering block easily, use a 4mm Arm Reamer to enlarge the hole. Be very careful to remove only enough material so you can insert the kingpin without a lot of force.



LOW traction & bumpy track

 $7K \sim 10K$ cSt

10K cSt (INCLUDED)

HIGH traction & smooth track

15K ~ 30K cSt

FRONT DAMPING with different oils.

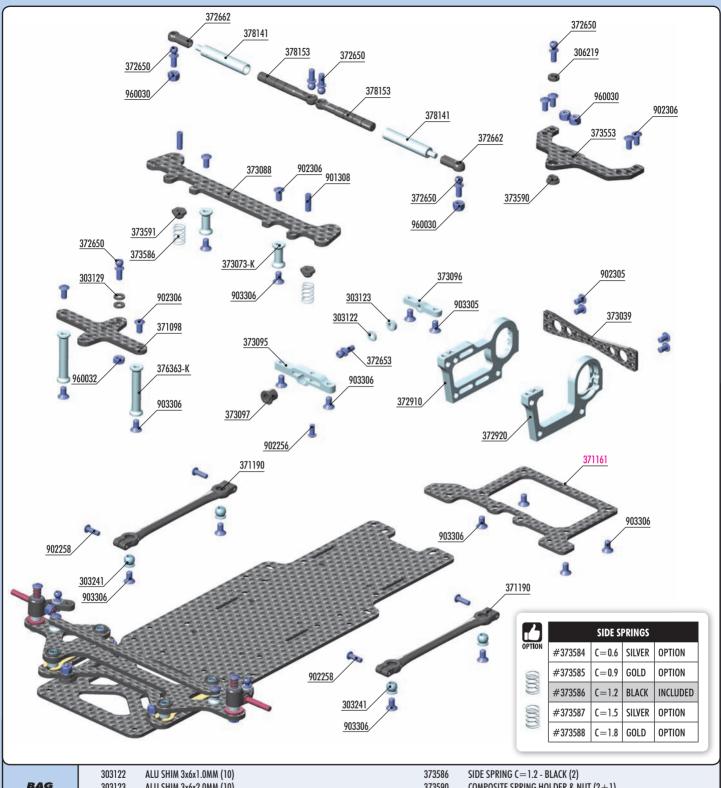
TRACK CONDITIONS

Thinner oil is recommended for low-traction tracks, while thicker oil is recommended for high-traction tracks.

Using thicker oil on the king pin axle makes the car less responsive but easier to drive. Thicker oil oil also increases stability but decreases cornering speed.





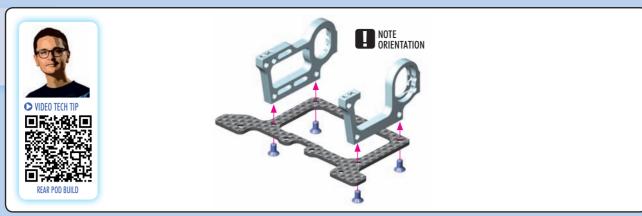


BAG 02

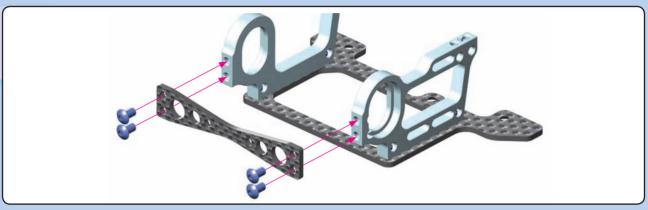
303122	ALU SHIM 3x6x1.0MM (10)	373586	SIDE SPRING C=1.2 - BLACK (2)
303123	ALU SHIM 3x6x2.0MM (10)	373590	COMPOSITE SPRING HOLDER & NUT (2+1)
303129	COMPOSITE SET OF SHIMS 3x 3x6x1MM; 1x 3x6x2MM (2)	373591	COMPOSITE SIDE SPRING HOLDER (2)
303241	BALL UNIVERSAL 5.8 MM HEX (4)	376363-K	ALU MOUNT 28.5MM - BLACK (2)
306219	COMPOSITE SET OF SERVO SHIMS (4)	378141	ALU SIDE TUBE (2)
371098	GRAPHITE PLATE FOR MOUNTS 2.5MM	378153	COMPOSITE SIDE TUBE SHAFT (2)
371190	COMPOSITE POD LINK (2)		
372650	BALL END 4.2MM WITH 6MM THREAD (2)	901308	HEX SCREW SB M3x8 (10)
372653	BALL END 4.2MM WITH 8MM THREAD (2)	902256	HEX SCREW SH M2.5x6 (10)
372662	COMPOSITE BALL-JOINT 4.2 MM (4)	902258	HEX SCREW SH M2.5x8 (10)
372910	ALU REAR BULKHEAD - MOTOR - RIGHT	902305	HEX SCREW SH M3x5 (10)
372920	ALU REAR BULKHEAD - LEFT	902306	HEX SCREW SH M3x6 (10)
373039	GRAPHITE REAR BULKHEAD BRACE 2.0MM	903305	HEX SCREW SFH M3x5 (10)
373073-K	ALU REAR BRACE MOUNT 16MM - BLACK (2)	903306	HEX SCREW SFH M3x6 (10)
373088	GRAPHITE REAR BRACE 2.5MM	960030	NUT M3 (10)
373095	ALU CHASSIS PIVOT HOLDER - SWISS 7075 T6	960032	NUT M3 (10)
373096	ALU POD PLATE PIVOT HOLDER - SWISS 7075 T6		
373097	COMPOSITE PIVOT BRACE BUSHING	371161	X10'22 GRAPHITE REAR POD LOWER PLATE 2.5MM
373553	RAPHITE REAR POD UPPER PLATE 2.5MM		

X10'22

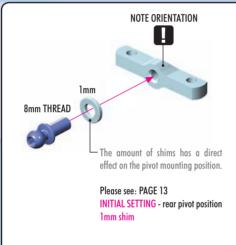


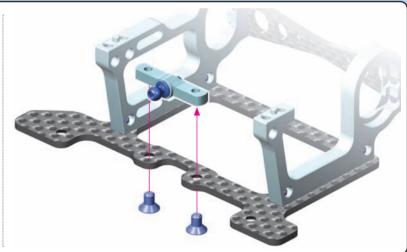






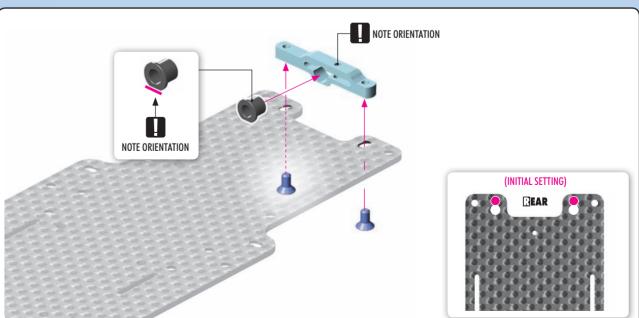




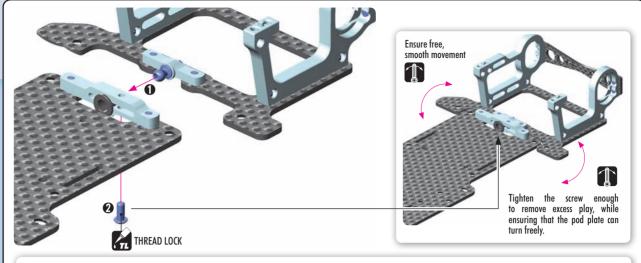




903306 SFH M3x6



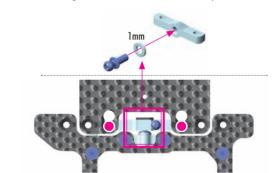




PIVOT MOUNTING ALTERNATIVE

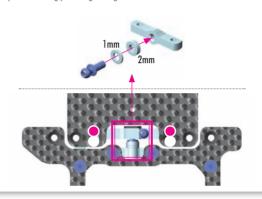
REARWARD: (INITIAL SETTING)

Pivot mounted in rearward chassis holes, and 1mm shim used under the pivot ball. The rearward pivot mounting position gives the most steering and most free rear end. Recommended for high-traction conditions such as US black carpet.



FORWARD:

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.

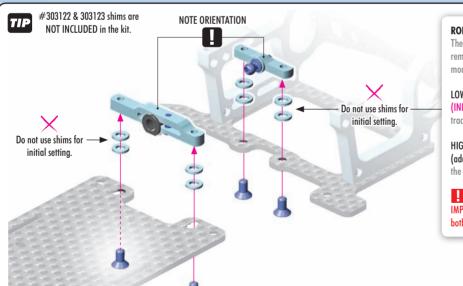












ROLL CENTER ADJUSTMENT

The roll center can be adjusted by adding or removing shims from beneath the aluminum pivot mounts

LOWER ROLL CENTER

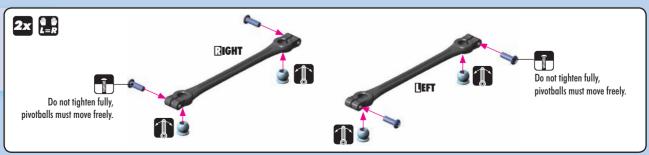
(INITIAL SETTING - NO SHIMS) will give more traction and increase chassis roll.

HIGHER ROLL CENTER

(adding shims) will increase steering by making the car rotate more on-and off-power

IMPORTANT! Always use same shim thickness on both sides of BOTH aluminum holders

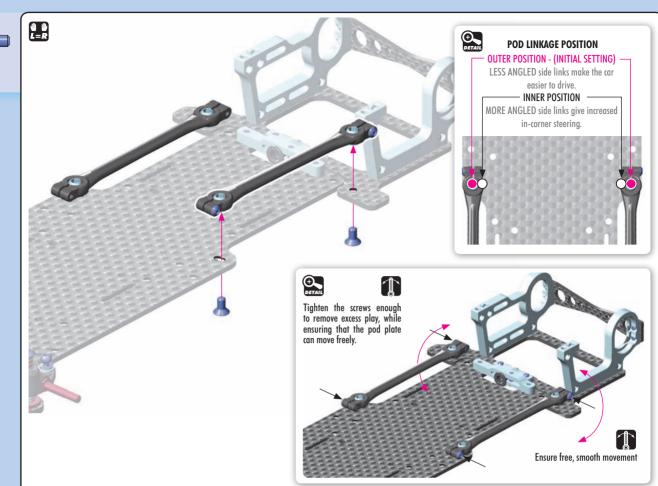


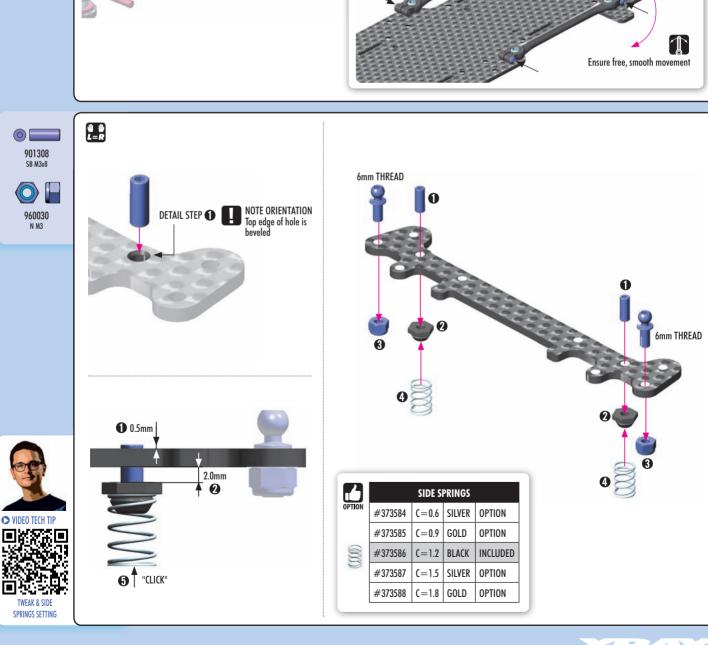




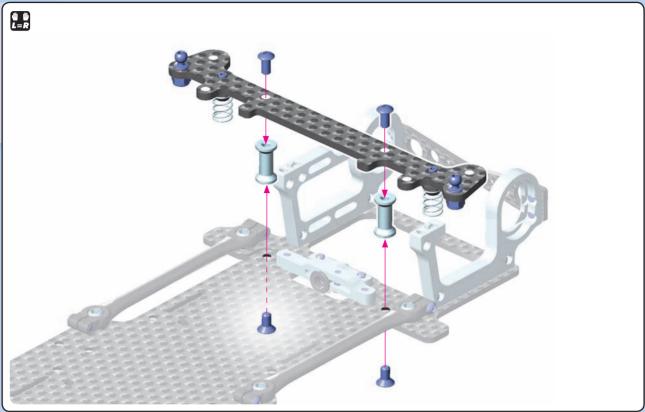
903306 SFH M3x6

14



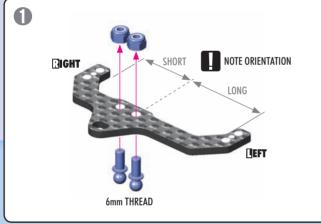


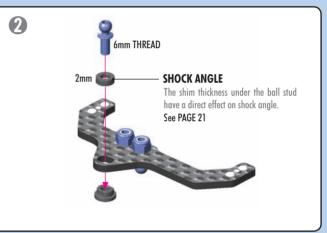




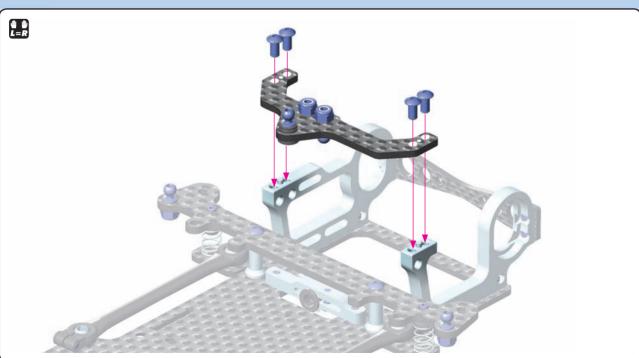










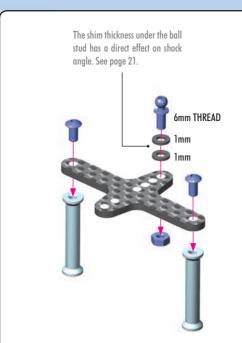


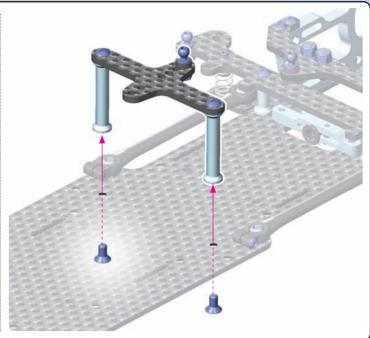
X10'22



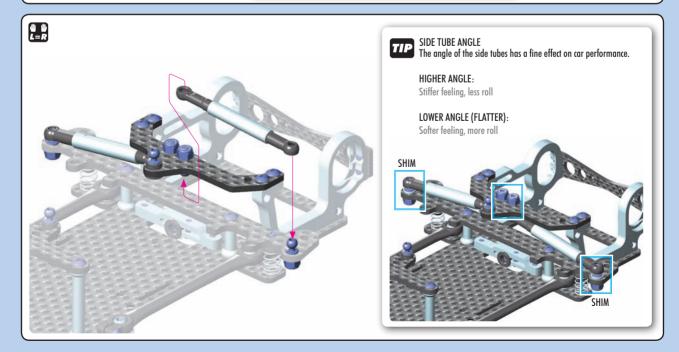






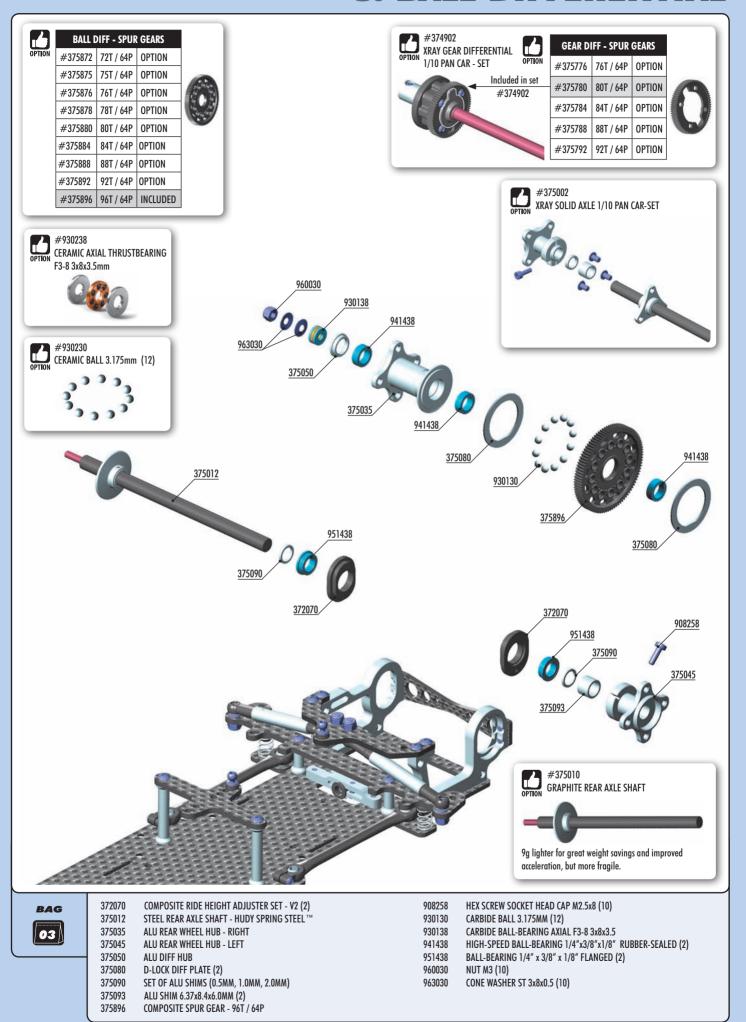






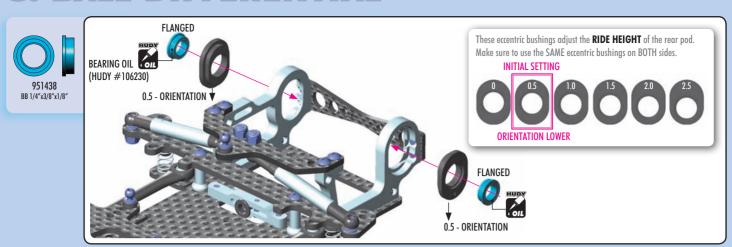


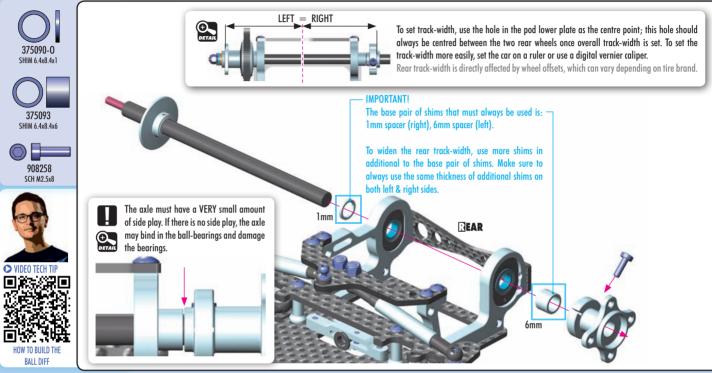
3. BALL DIFFERENTIAL

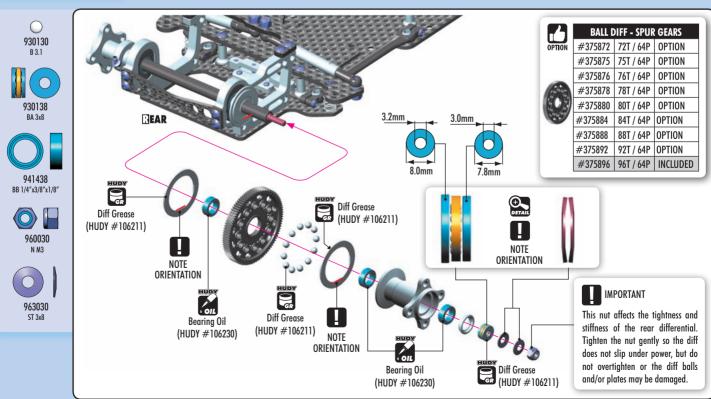


X10'22

3. BALL DIFFERENTIAL







4. SHOCK ABSORBER

901303

378070-K

378071-K

378011



378040-K

378030-K



N	HUDY SILICONE OILS - 50ml						
IN	#106310	100cSt	OPTION		#106355	550cSt	OPTION
	#106315	150cSt	OPTION		#106357	575cSt	OPTION
	#106320	200cSt	OPTION		#106360	600cSt	OPTION
	#106325	250cSt	OPTION		#106362	625cSt	OPTION
	#106330	300cSt	OPTION		#106365	650cSt	OPTION
	#106335	350cSt	OPTION		#106367	675cSt	OPTION
	#106337	375cSt	OPTION		#106370	700cSt	INCLUDED
	#106340	400cSt	OPTION		#106375	750cSt	OPTION
	#106342	425cSt	OPTION		#106380	800cSt	OPTION
	#106345	450cSt	OPTION		#106390	900cSt	OPTION
	#106347	475cSt	OPTION		#106410	1000cSt	OPTION
	#106350	500cSt	OPTION		#106420	2000cSt	OPTION



378020



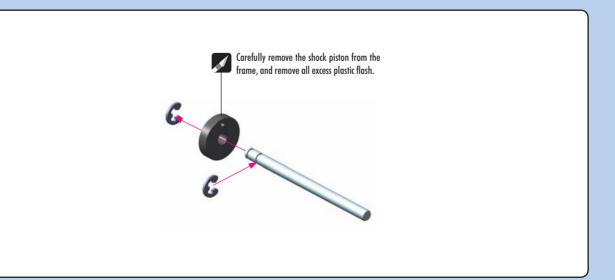


378003 SHOCK ABSORBER SET
378011 COMPOSITE SHOCK PARTS - FRAME
378020 ALU THREADED SHOCK BODY
378030-K ALU SHOCK BODY CAP - LOWER - BLACK
378040-K ALU SHOCK ADJUSTABLE COLLAR - BLACK
378050-K ALU SHOCK BODY CAP - UPPER - BLACK
378060 SHOCK SHAFT
378070-K ALU SHOCK SPRING COLLAR - BLACK

378071-K ALU SHOCK ADAPTER - BLACK 378080 SHOCK RUBBER MEMBRANE (2) 378093 SHOCK SPRING - GOLD

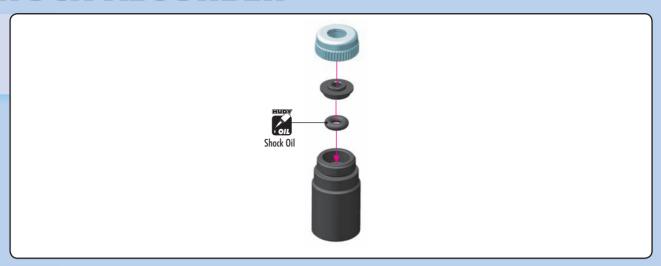
901303 HEX SCREW SB M3x3 (10) 965015 E-CLIP 1.5 (10) 971022 SILICONE 0-RING 2x2 (10)

965015

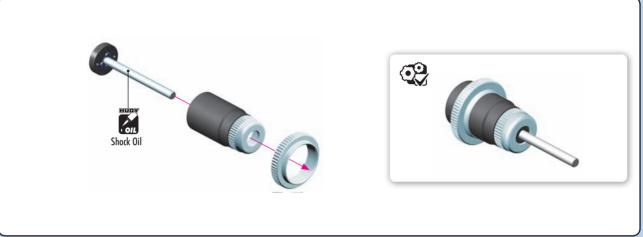


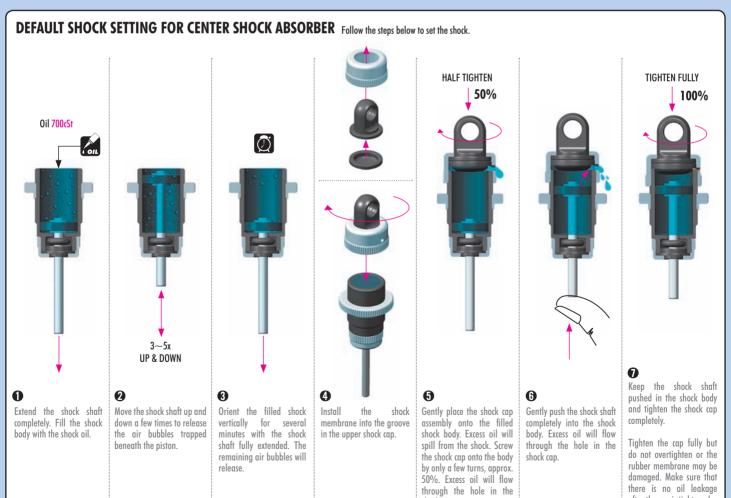
4. SHOCK ABSORBER







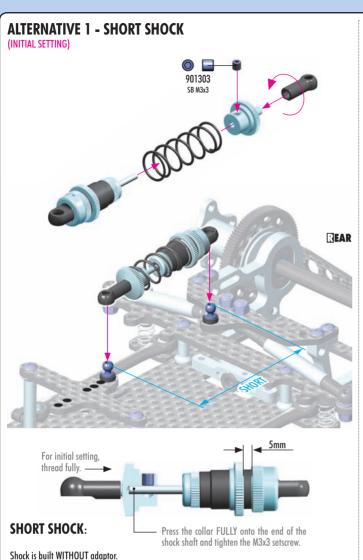


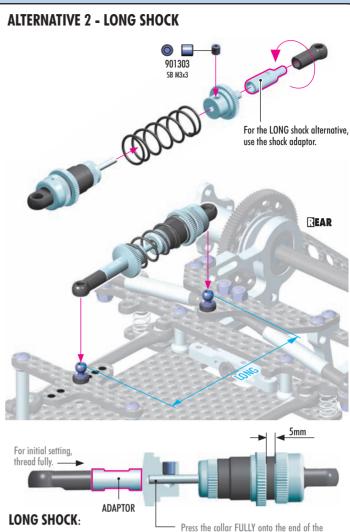


50%. Excess oil will flow through the hole in the

shock cap.

after the cap is tightened.





shock shaft and tighten the M3x3 setscrew.



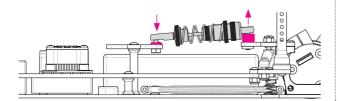
MORE SHOCK ANGLE

Front mount is REARWARD.

Improves steering response, quicker direction changes.

Thinner shim in front, thicker shim in rear

Makes the damping more progressive and increases on-power steering. Recommended for high-traction conditions when you need to free up the rear.



LESS SHOCK ANGLE

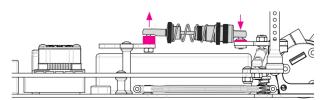
Shock is built WITH adaptor.

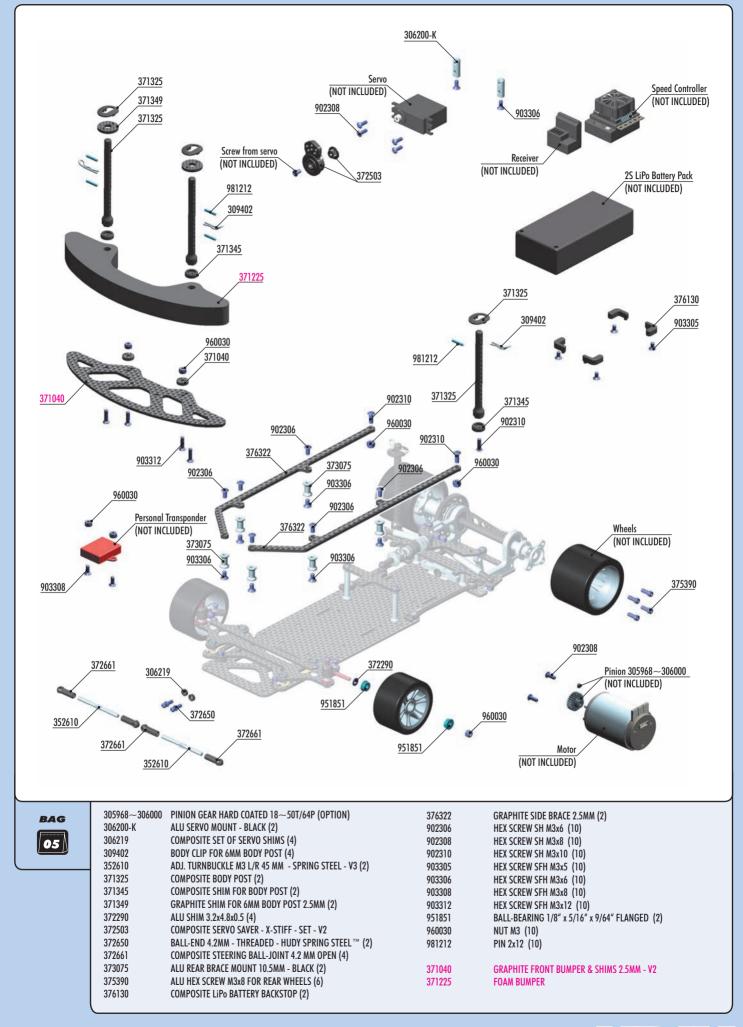
Improves driveability over bumps, improves on-power traction.

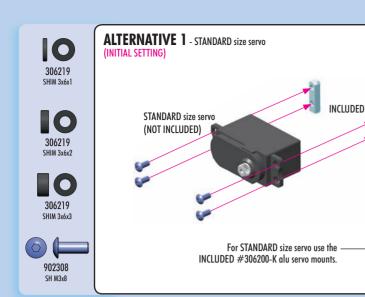
Front mount is FORWARD.

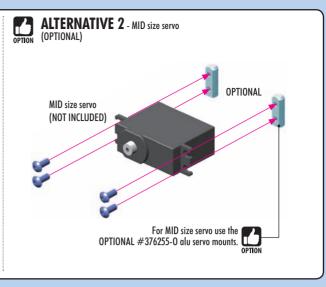
Thicker shim in front, thinner shim in rear

Makes the damping more linear. Increases stability, decreases on-power steering. Recommended for low- to medium-traction conditions.

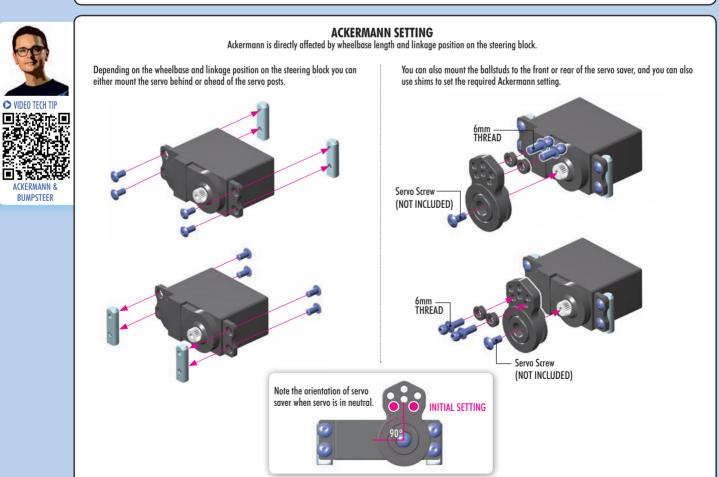




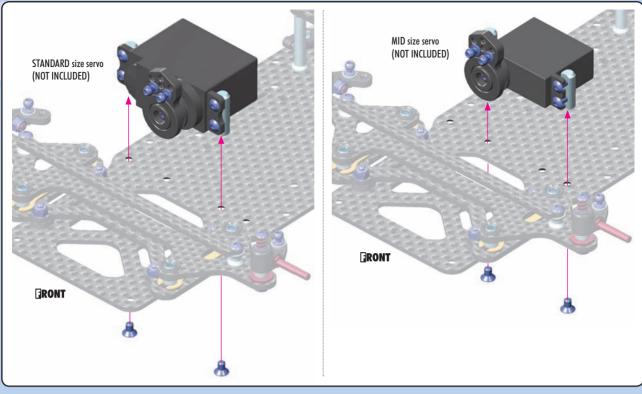


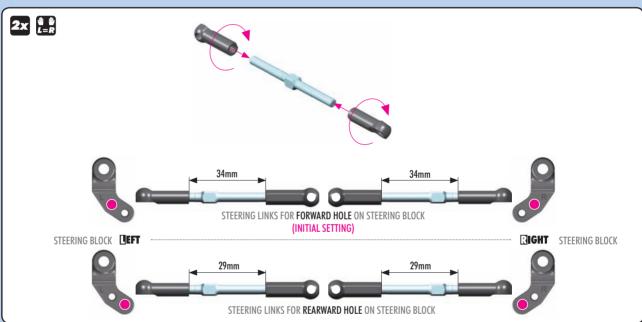


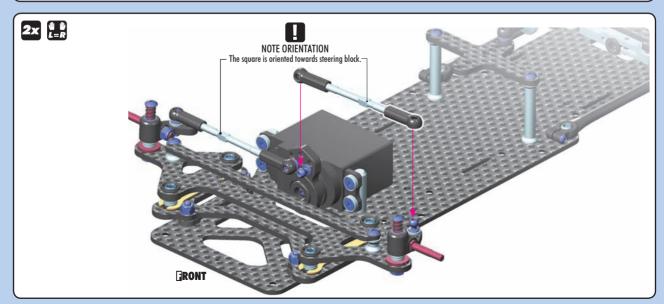




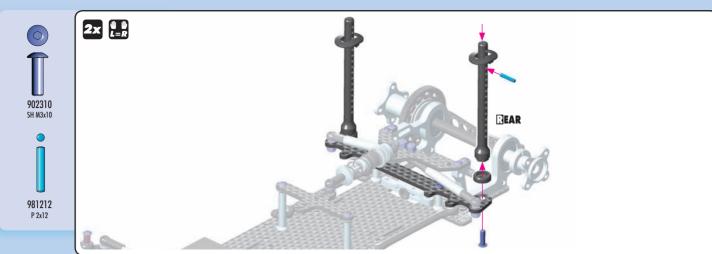


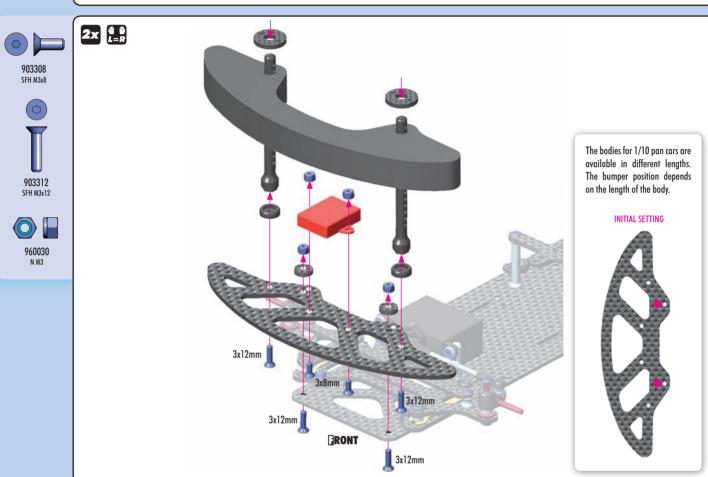


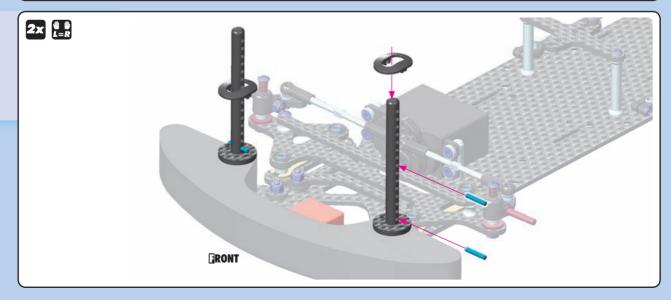










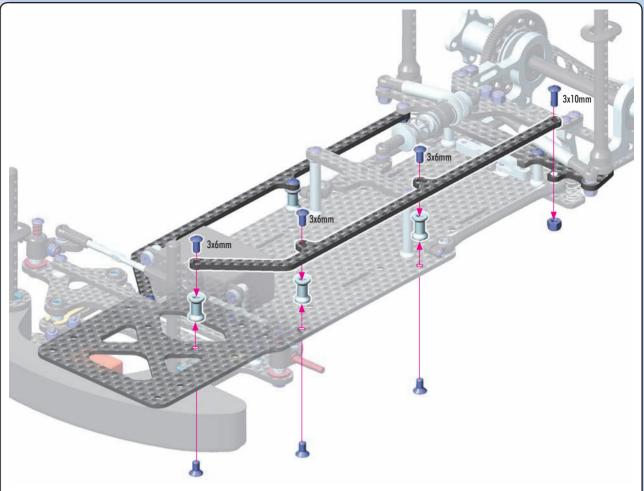


X10'22

981212 P 2x12



960030 N M3





SOFT (NO BRACES)

Recommended for low- to medium-traction carpet, and asphalt. Generates more mechanical grip.

MEDIUM (INITIAL SETTING)

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

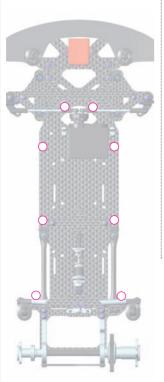
MEDIUM-STIFF

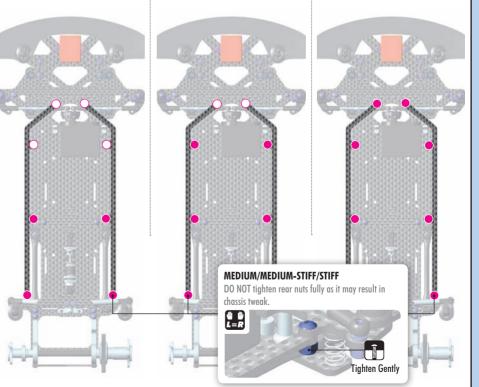
CHASSIS FLEX ADJUSTMENT

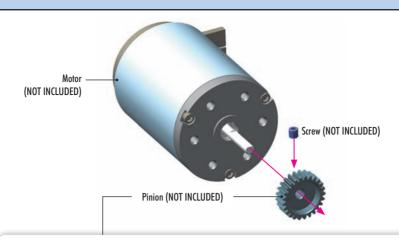
Braces installed, attached at middle-front, middle, and rear. This setting is recommended for medium-high to high traction conditions.

STIFF

Braces installed, attached at all positions. This is the stiffest, most stable setting. Recommended for high-traction carpet (such as US black carpet). The car will have less roll but will also have less overall grip.







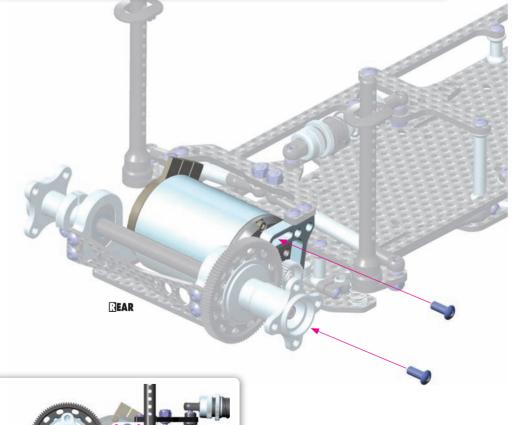


PINION GE	ARS ALU HAI	RDCOATED
#305968	18T / 64P	OPTION
#305969	19T / 64P	OPTION
#305970	20T / 64P	OPTION
#305971	21T / 64P	OPTION
#305972	22T / 64P	OPTION
#305973	23T / 64P	OPTION
#305974	24T / 64P	OPTION
#305975	25T / 64P	OPTION
#305976	26T / 64P	OPTION
#305977	27T / 64P	OPTION
#294128	28T / 64P	OPTION
#305979	29T / 64P	OPTION

30T / 64P	OPTION
31T / 64P	OPTION
32T / 64P	OPTION
33T / 64P	OPTION
34T / 64P	OPTION
35T / 64P	OPTION
36T / 64P	OPTION
37T / 64P	OPTION
38T / 64P	OPTION
39T / 64P	OPTION
40T / 64P	OPTION
41T / 64P	OPTION
42T / 64P	OPTION
	31T / 64P 32T / 64P 33T / 64P 34T / 64P 35T / 64P 36T / 64P 38T / 64P 39T / 64P 40T / 64P 41T / 64P

#294143	43T / 64P	OPTION
#294144	44T / 64P	OPTION
#294145	45T / 64P	OPTION
#305996	46T / 64P	OPTION
#294147	47T / 64P	OPTION
#294148	48T / 64P	OPTION
#294149	49T / 64P	OPTION
#294150	50T / 64P	OPTION
#294152	52T / 64P	OPTION
#294154	54T / 64P	OPTION
#294156	56T / 64P	OPTION
#294158	58T / 64P	OPTION
#294160	60T / 64P	OPTION

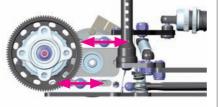




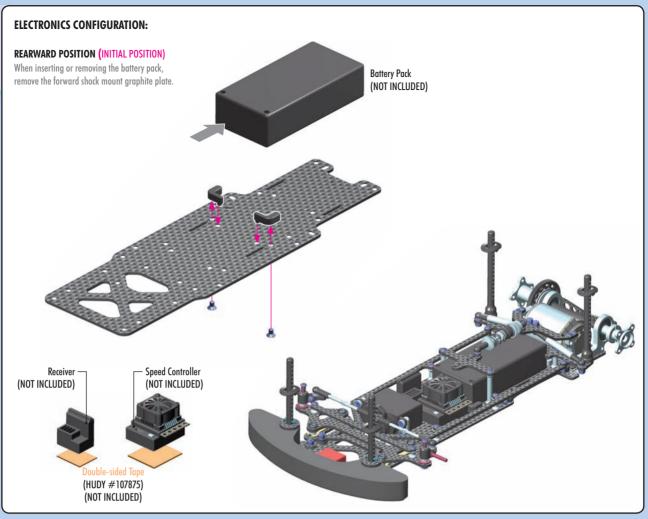


GEAR MESH

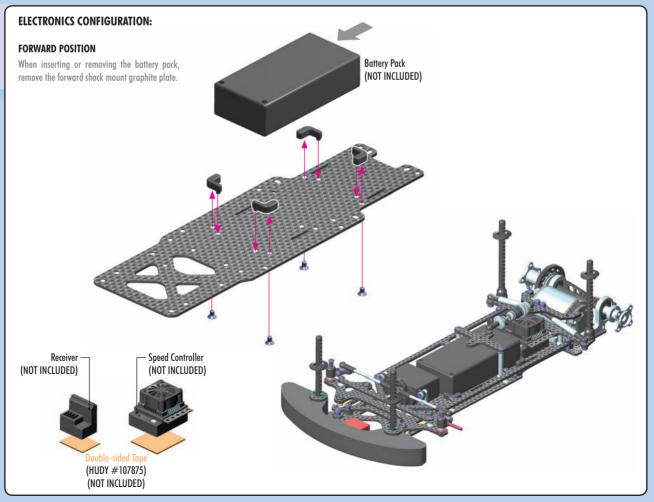
Adjust the gear mesh so there is appropriate space between the spur gear and pinion teeth. There should be a very small amount of free play.





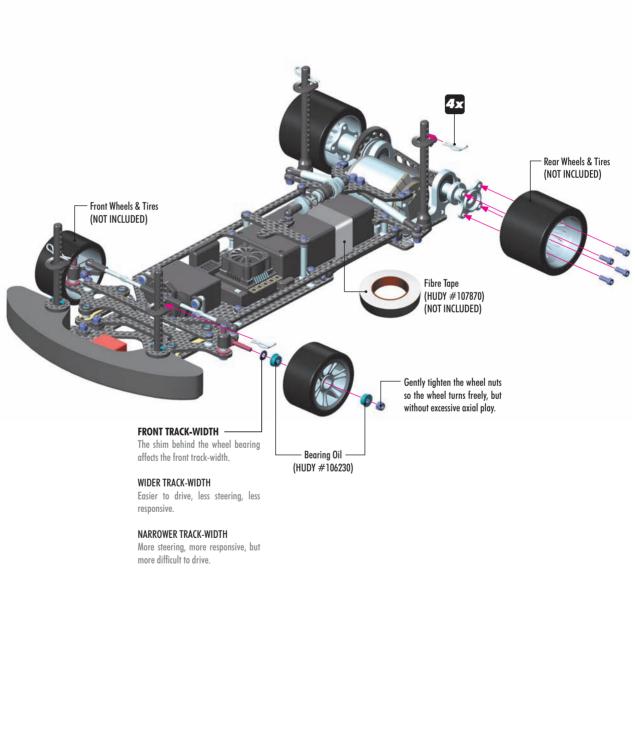












X10'22

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