1/10 LUXURY ELECTRIC OFF-ROAD BUGGY 2WD

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INSTRUCTION MANUAL
FOR XB2C'23 & XB2D'23 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, YOU MUST read through all of the operating instructions and instruction manual and fully understand them to get the maximum enjoyment and prevent unnecessary damage.

Read carefully and fully understand the instructions before beginning assembly.

Make sure you review this entire manual, 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 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:

www.teamxrav.com

XRAY Europe

K Vystavisku 6992 91101 Trenčín Slovakia, EUROPE Phone: 421-32-7401100 Fax: 421-32-7401109

E-mail: info@teamxray.com

RC America, 2030 Century Center Blvd #15 Irving, TX 75062 USA Phone: (214) 744-2400

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

FAILURE TO FOLLOW THESE INSTRUCTIONS WILL BE CONSIDERED AS ABUSE AND/OR NEGLECT.

SAFETY PRECAUTIONS

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

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

CAUTION: CANCER HAZARD

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

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

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

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

🔼 IMPORTANT NOTES - GENERAL

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

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

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

A

IMPORTANT NOTES - ELECTRICAL

- Insulate any exposed electrical wiring (using heat shrink tubing or electrical tape) to prevent dangerous short circuits. Take maximum care in wiring, connecting and insulating cables. Make sure cables are always connected securely. Check connectors for if they become loose. And if so, reconnect them securely. Never use 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 augrantees 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

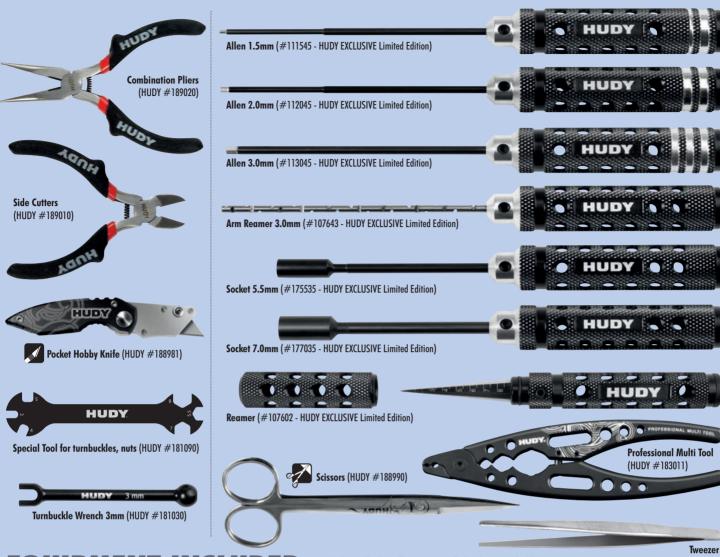
cannot guarantee any parts once you start racing the car. Products which have been worn out, abused, neglected or improperly operated will not be covered under warranty.

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.

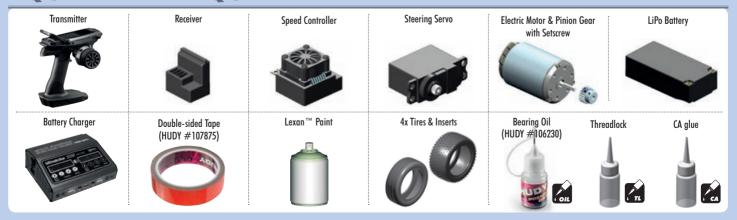
TOOLS REQUIRED



EQUIPMENT INCLUDED * Kit includes smaller but sufficient amount of oil and grease to build the car.



EQUIPMENT REQUIRED





Follow Set-Up Book:

To ensure that you always have access to the most up-to-date version of the Set-up Book you can download the HUDY Set-up Book from their web site at [www.hudy. net] By offering this online version instead of including a hardcopy printed version in kits, you will always be assured of having the most current updated version.



N	SAMPLE OF OPTIONAL PARTS				
	#32XXXX	TYPE1	OPTION 1		
	#32XXXX	TYPE1	OPTION 2		
	#32XXXX	TYPE1	INCLUDED		

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:

321200

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

321100

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

324900

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

TECH TIPS

TIP DRIVE SHAFT PIN SERVICING

To enjoy the longest possible lifespan of the drive shafts and diff outdrives, it is extremely important to properly service the drive shaft pins. Inspect the pins after every 3 hours of runtime. If the pins show any wear, replace them with new pins.



DO NOT use drive shafts when the pins are worn.

Press out the worn pins.

Press in new pins and regularly inspect for wear.



For quick & easy drive pin replacements use #106000 HUDY Drive Pin Replacement Tool together with #106036 Ejector Pivot Pin & Alternating Pivot 2.5mm.



To replace the worn pins use only premium HUDY drive pins (#106053 2.5mm dia x 10mm lenght)

GRAPHITE PARTS PREPARATION

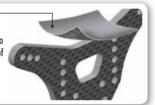
Follow this Tech Tip to prepare the graphite parts. Sand the edges with sandpaper, and then seal the edges with CA glue to reinforce them and help prevent delamination.

Prepare all Graphite Parts:

- Front shock tower
- Rear shock tower

Fine sandpaper

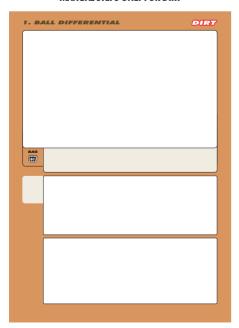
Use fine sandpaper to sand smooth the edges of all graphite parts.



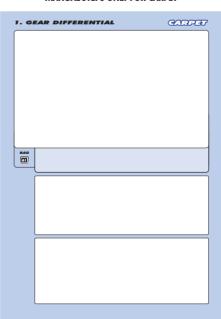
Apply CA glue to all edges of the graphite parts.



MANUAL STEPS ONLY FOR DIRT



MANUAL STEPS ONLY FOR CARPET

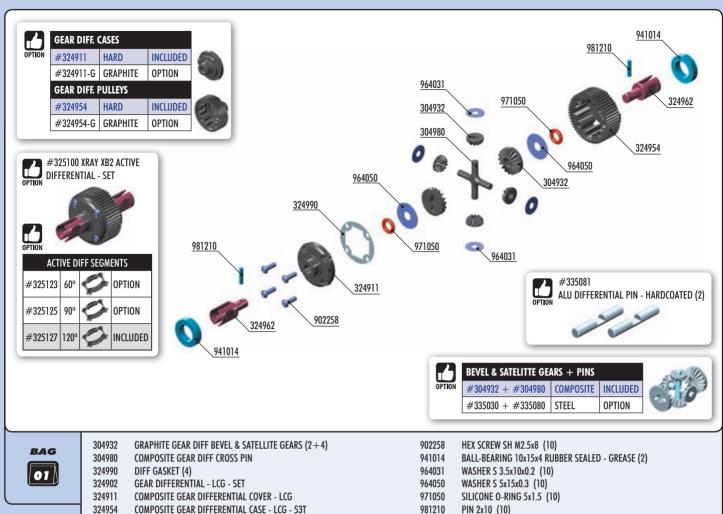


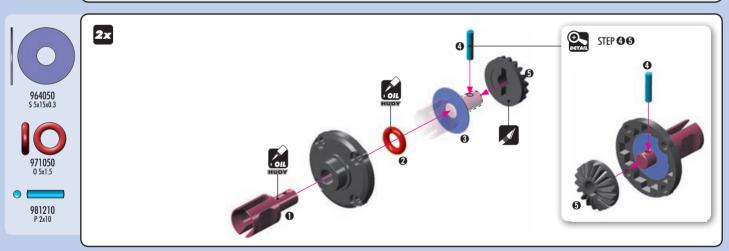
MANUAL DUAL STEPS FOR CARPET AND DIRT

3. REAR DRIVETRAIN	CARPET DIRT

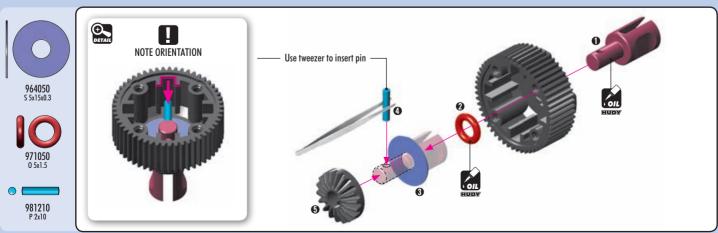
1. GEAR DIFFERENTIAL







GEAR DIFF OUTDRIVE ADAPTER - LCG - HUDY SPRING STEEL™ (2)

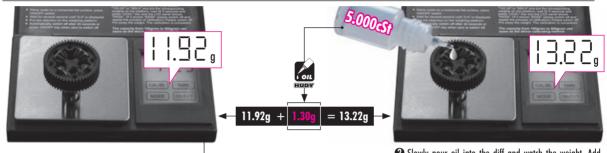








TO ENSURE YOU HAVE THE SAME AMOUNT OF OIL FROM REBUILD TO REBUILD, DO THE FOLLOWING:



Put the diff (without oil) on the scale and check the weight (approximately 11.92g)

#107865 HUDY Ultimate Digital Pocket Scale 300g ± 0.01g ② Slowly pour oil into the diff and watch the weight. Add 1.30g of oil into the diff. The approximate weight of the diff including oil is 13.22g.

OPTION

7	HUDY ULT	IMATE SILICONE O	ILS
ON N	#106420	2.000cSt - 50ml	OPTION
	#106430	3.000cSt - 50ml	OPTION
	#106440	4.000cSt - 50ml	OPTION
	#106450	5.000cSt - 50ml	INCLUDED
	#106460	6.000cSt - 50ml	OPTION
	#106470	7.000cSt - 50ml	OPTION
	#106480	8.000cSt - 50ml	OPTION
	#106490	9.000cSt - 50ml	OPTION
	#106510	10.000cSt - 50ml	OPTION

TIP

TIPS FOR REAR DIFFERENTIAL

LOW-MEDIUM TRACTION 5.000cSt (HUDY #106450)
MEDIUM-HIGH TRACTION 7.000cSt (HUDY #106470)

NOTE: Softer oil increases rear traction, harder oil increases on-power steering.

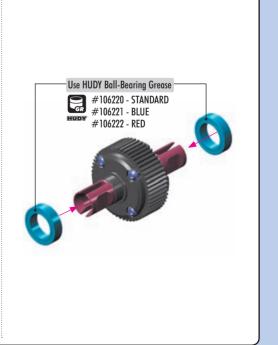






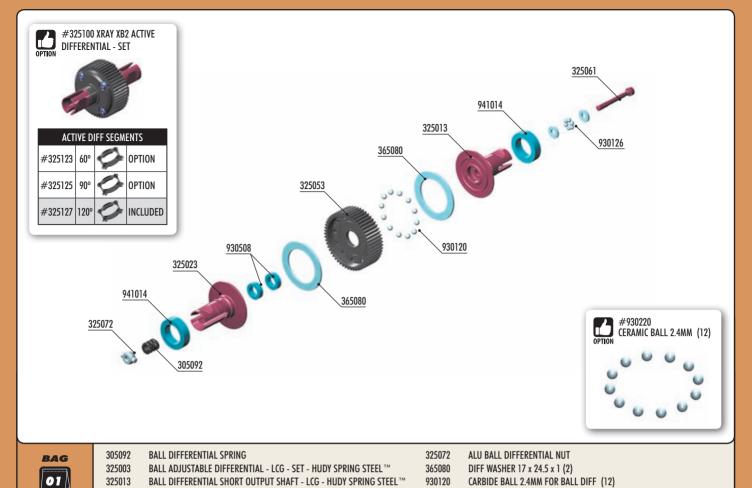






1. BALL DIFFERENTIAL





BALL DIFFERENTIAL LONG OUTPUT SHAFT - LCG - HUDY SPRING STEEL™

COMPOSITE BALL DIFFERENTIAL GEAR 53T

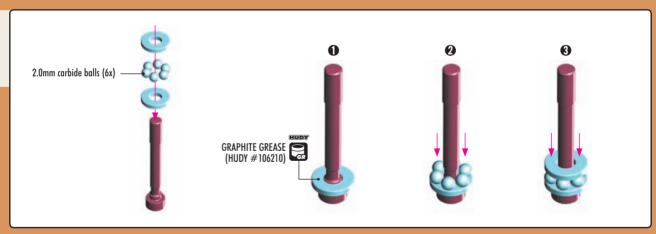
SCREW FOR BALL DIFF ADJUSTMENT - SPRING STEEL™



325023

325053

325061



930126

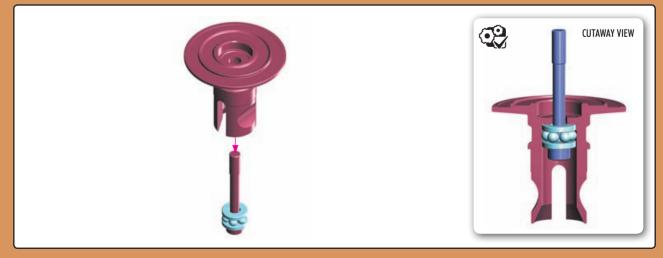
930508

941014

CARBIDE BALL-BEARING AXIAL 2.6x6x1

BALL-BEARING 5x8x2.5 STEEL SEALED - OIL (2)

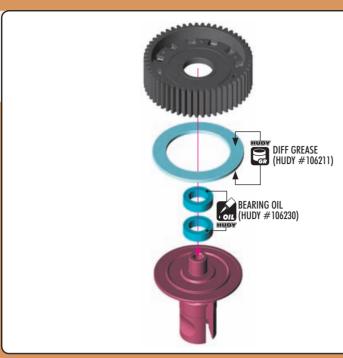
BALL-BEARING 10x15x4 RUBBER SEALED - GREASE (2)

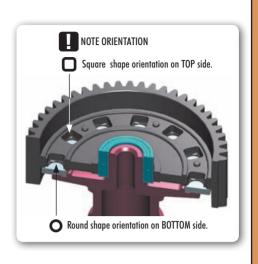


1. BALL DIFFERENTIAL

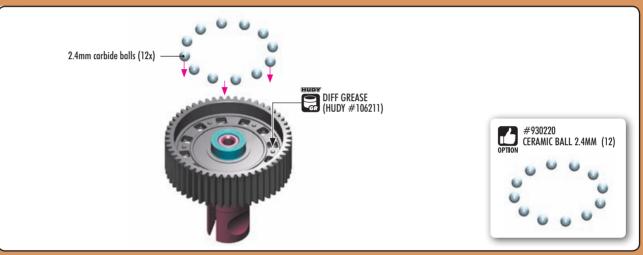




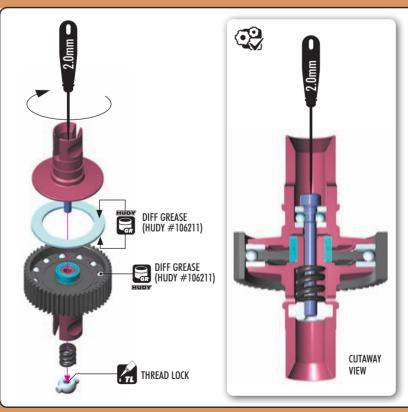


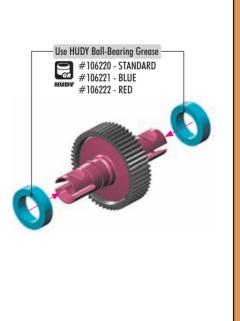


930120 B 2.4













BEFORE RACING, follow these steps to properly break in the differential.

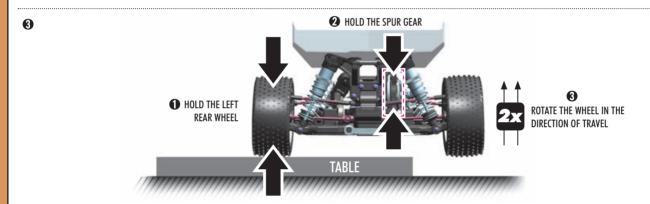
0



2 Loosen the adjustment screw 1/2 turn (180° CCW).







4



6 LOOSEN THE ADJUSTMENT SCREW 1/8 TURN (45°CCW).

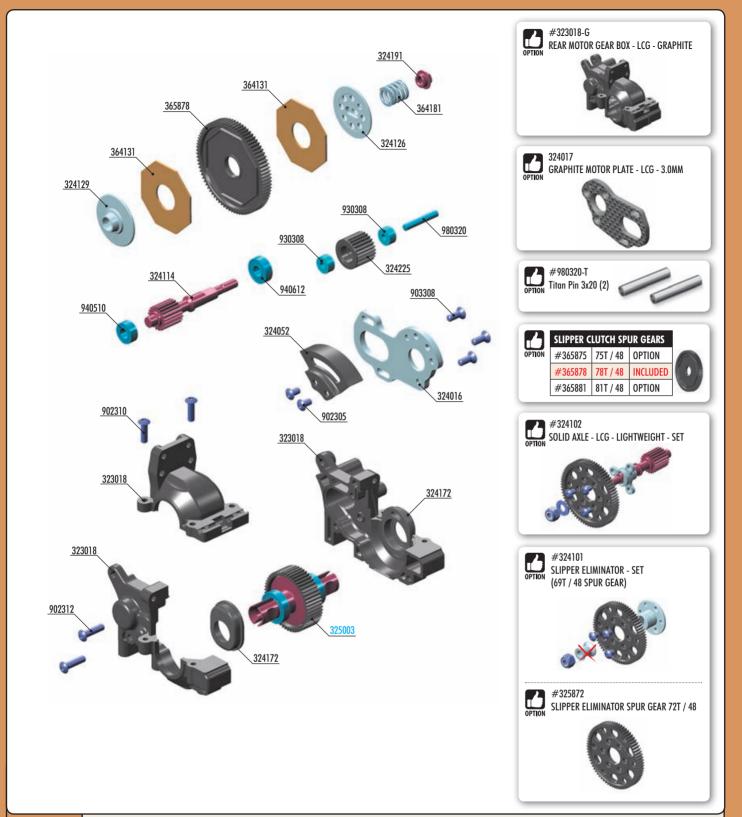




1/8









324016 ALU MOTOR PLATE - LCG - SWISS 7075 T6 324052 COMPOSITE GEAR COVER - LCG 324114 ALU 2-PAD TOP SHAFT 20T - LCG - 7075 T6 - HARD COATED 324126 ALU 2-PAD SLIPPER CLUTCH PLATE - SHORT ALU 2-PAD SLIPPER CLUTCH PLATE WITH ADAPTER - LCG 324129 COMPOSITE ADJUSTMENT BALL-BEARING HUB (2) 324172 STEEL SLIPPER CLUTCH NUT - HUDY SPRING STEEL™ 324191 324225 COMPOSITE GEAR 25T - GRAPHITE 364131 SLIPPER CLUTCH PAD SLS - SOFT (3) 364181 SLIPPER CLUTCH SPRING C=45 - BLACK 365878 COMPOSITE 3-PAD SLIPPER CLUTCH SPUR GEAR 78T / 48

COMPOSITE REAR MOTOR GEAR BOX - LCG - SET

HEX SCREW SH M3x5 (10) HEX SCREW SH M3x10 (10) HEX SCREW SH M3x12 (10) 902305 902310 902312

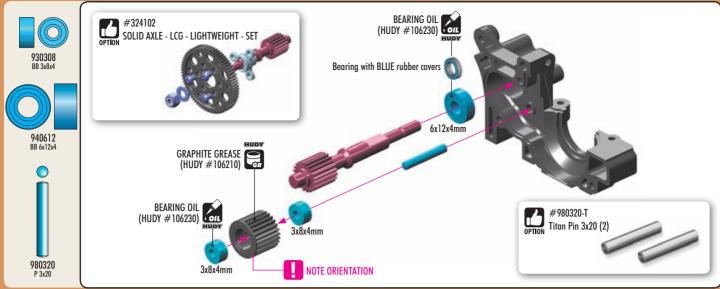
903308 HEX SCREW SFH M3x8 (10)

930308 BALL-BEARING 3x8x4 STEEL SEALED - OIL (2) BALL-BEARING 5x10x4 RUBBER SEALED - OIL (2) 940510 940612 BALL-BEARING 6x12x4 RUBBER SEALED - OIL (2)

980320 PIN 3x20 (10)

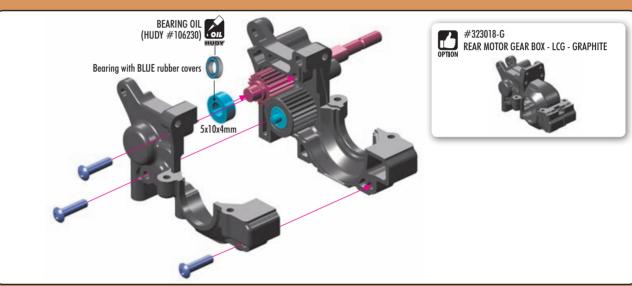
BALL ADJUSTABLE DIFFERENTIAL - LCG - SET - HUDY SPRING STEEL™ 325003







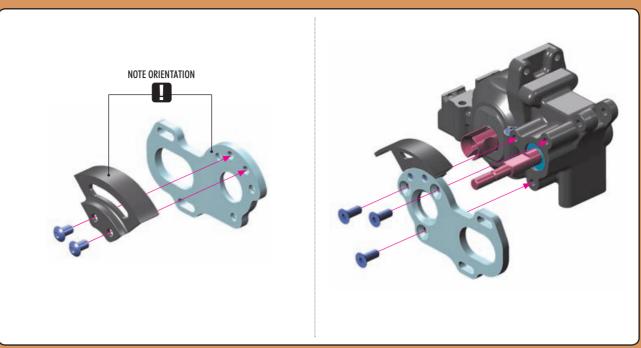
902310 SH M3x10

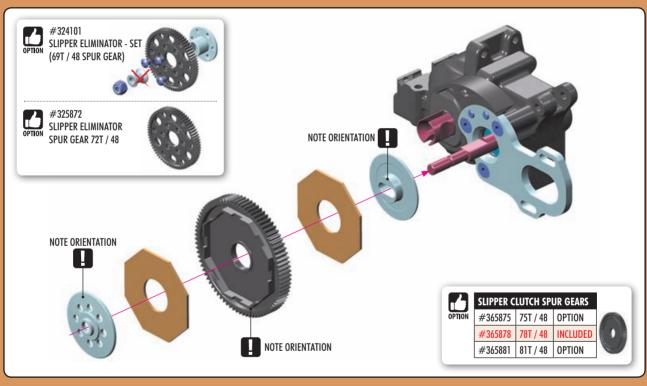


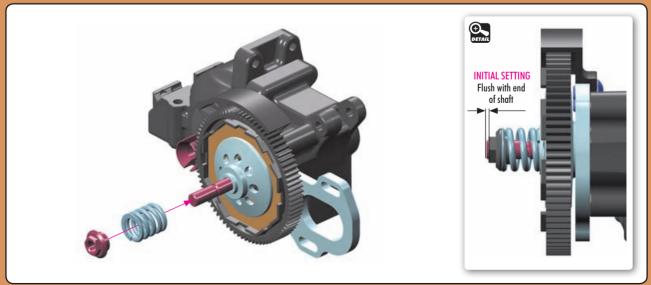




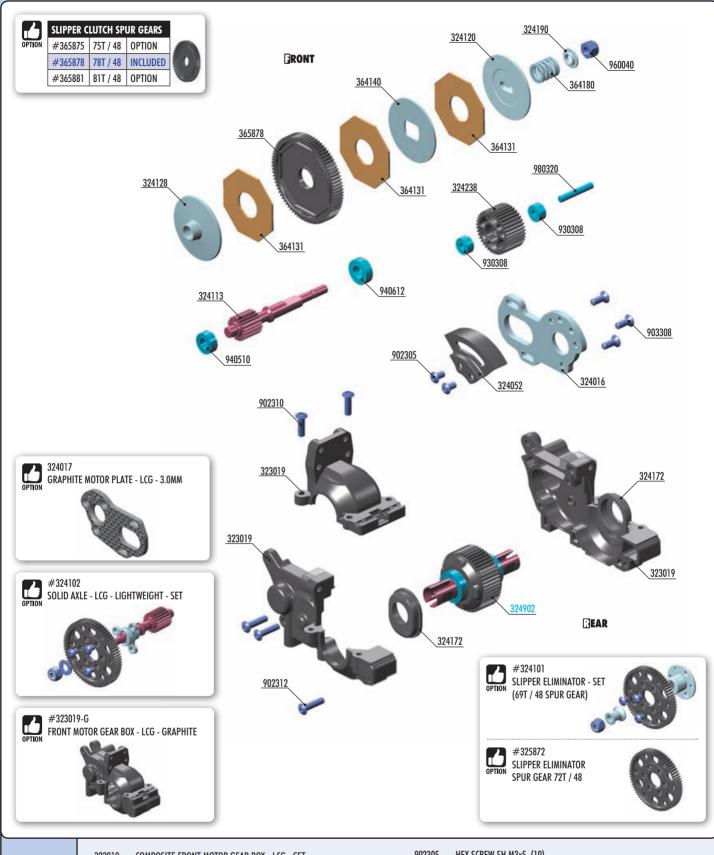












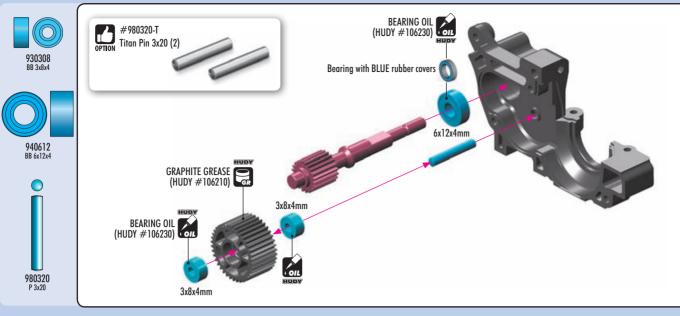


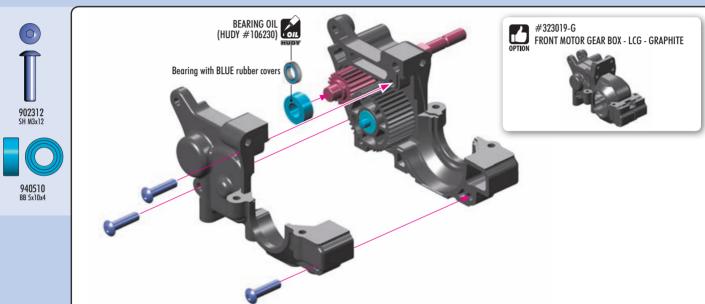
COMPOSITE FRONT MOTOR GEAR BOX - LCG - SET 323019 324016 ALU MOTOR PLATE - LCG - SWISS 7075 T6 (3MM) 324052 COMPOSITE GEAR COVER - LCG 324113 ALU 3-PAD TOP SHAFT 20T - LCG - SWISS 7075 T6 - HARD COATED ALU 3-PAD SLIPPER CLUTCH PLATE - SWISS 7075 T6 324120 324128 ALU 3-PAD SLIPPER CLUTCH PLATE WITH ADAPTER - LCG COMPOSITE ADJUSTMENT BALL-BEARING HUB (2) 324172 ALU 3-PAD SLIPPER CLUTCH SHIM 324190 COMPOSITE GEAR 38T - LCG - GRAPHITE SLIPPER CLUTCH PAD "SLS" - V2 (2) 324238 364131 ALU 3-PAD SLIPPER CLUTCH PLATE DISC - 7075 T6 364140 364180 SLIPPER CLUTCH SPRING C=30 - BLACK COMPOSITE 3-PAD SLIPPER CLUTCH SPUR GEAR 78T / 48 365878

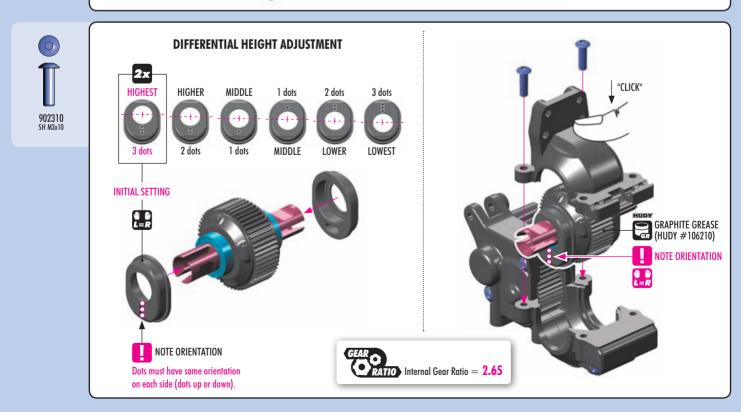
HEX SCREW SH M3x5 (10) 902305 HEX SCREW SH M3x10 (10)
HEX SCREW SH M3x12 (10)
HEX SCREW SFH M3x8 (10) 902310 902312 903308 930308 BALL-BEARING 3x8x4 STEEL SEALED - OIL (2) 940510 BALL-BEARING 5x10x4 RUBBER SEALED - OIL (2) 940612 BALL-BEARING 6x12x4 RUBBER SEALED - OIL (2) 960040 NUT M4 (10) PIN 3x20 (10) 980320

324902 GEAR DIFFERENTIAL - LCG - SET





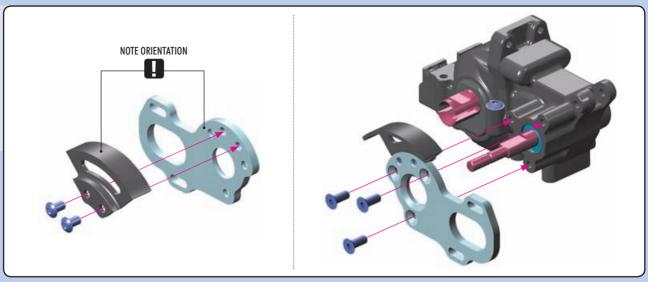


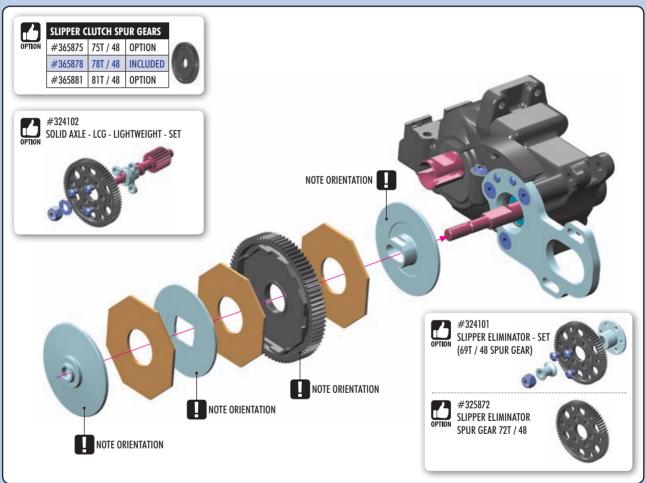




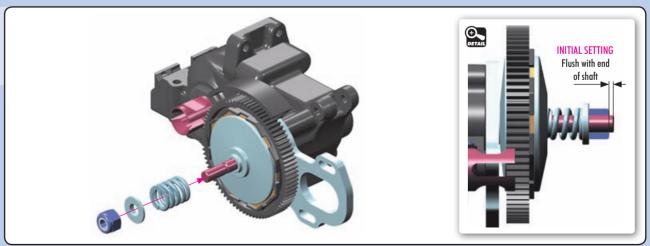












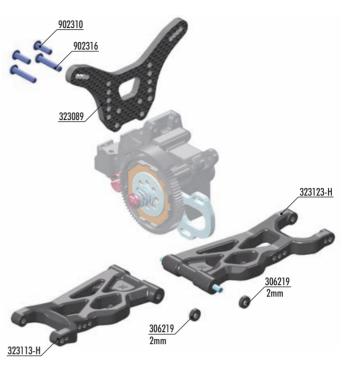
3. REAR SUSPENSION

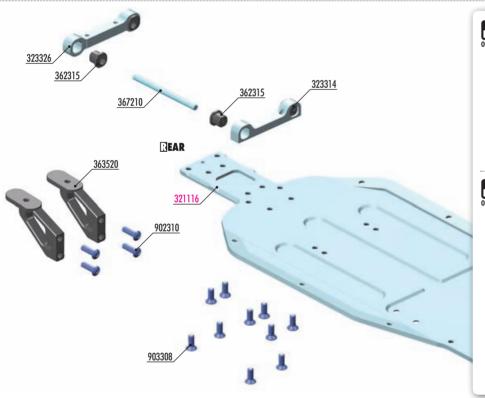


GEAR BOX for CARPET FRONT MOTOR POSITION



GEAR BOX for DIRT REAR MOTOR POSITION









323089 XB2 GRAPHITE SHOCK TOWER - 4-HOLES - LCG - REAR - 4.0MM 323314 ALU REAR LOWER SUSP. HOLDER FOR BENT SIDES CHASSIS - FRONT 323326 ALU REAR LOWER SUSP. HOLDER FOR BENT SIDES CHASSIS - REAR 362315 **ECCENTRIC BUSHING SET (2)** REAR WING POST (2) 363520 **REAR SUSPENSION PIVOT PIN (2)** 367210 902310 HEX SCREW SH M3x10 (10) 902316 HEX SCREW SH M3x16 (10) 903308 HEX SCREW SFH M3x8 (10)

XB2'23 ALU CHASSIS WITH BENT SIDES - SWISS 7075 T6 - 2.5MM

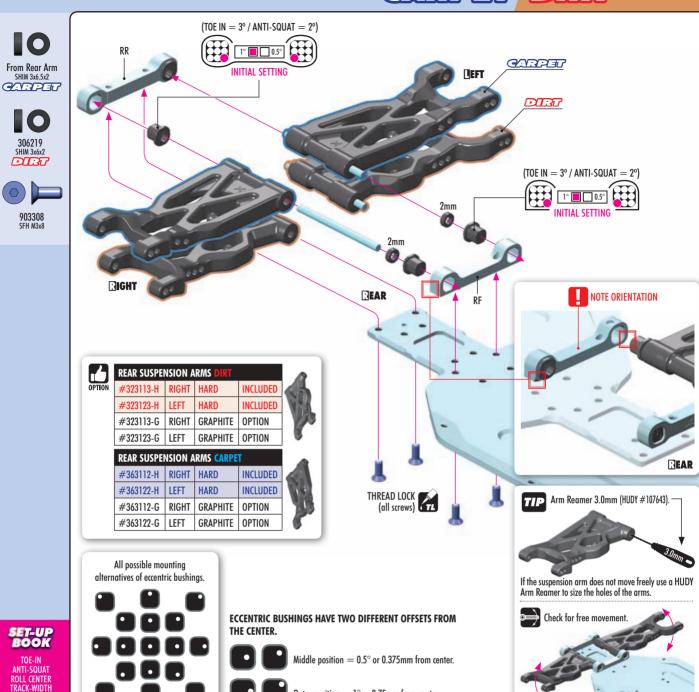
CARPET

363112-H COMPOSITE SUSPENSION ARM REAR LOWER RIGHT - HARD 363122-H COMPOSITE SUSPENSION ARM REAR LOWER LEFT - HARD

306219 COMPOSITE SET OF SHIMS (4)

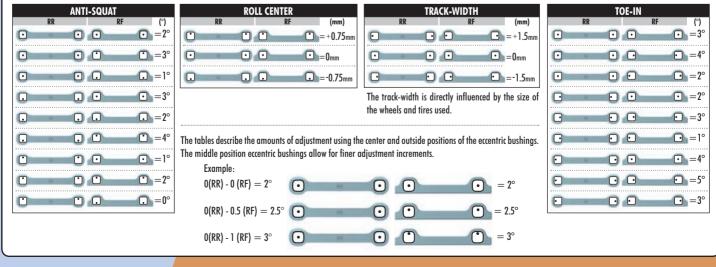
323113-H SUSPENSION ARM DISENGAGED REAR LOWER RIGHT - HARD SUSPENSION ARM DISENGAGED REAR LOWER LEFT - HARD

3432123



The XRAY rear alu lower suspension holders provide great range of adjustment for the rear suspension. Using different combinations of eccentric bushings, fine adjustment of rear anti-squat, rear toe-in, rear roll center, and rear track-width can be obtained. For more information about the influence of rear anti-squat, rear toe-in, rear roll center and rear track width on car handling, please refer to HUDY Set-up Book (#209100).

Outer position $= 1^{\circ}$ or 0.75mm from center.



3. REAR SUSPENSION

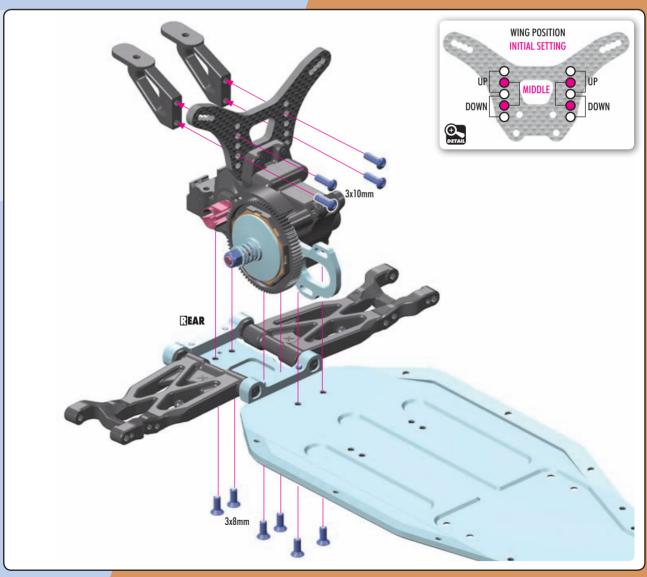
CARPET DIRT







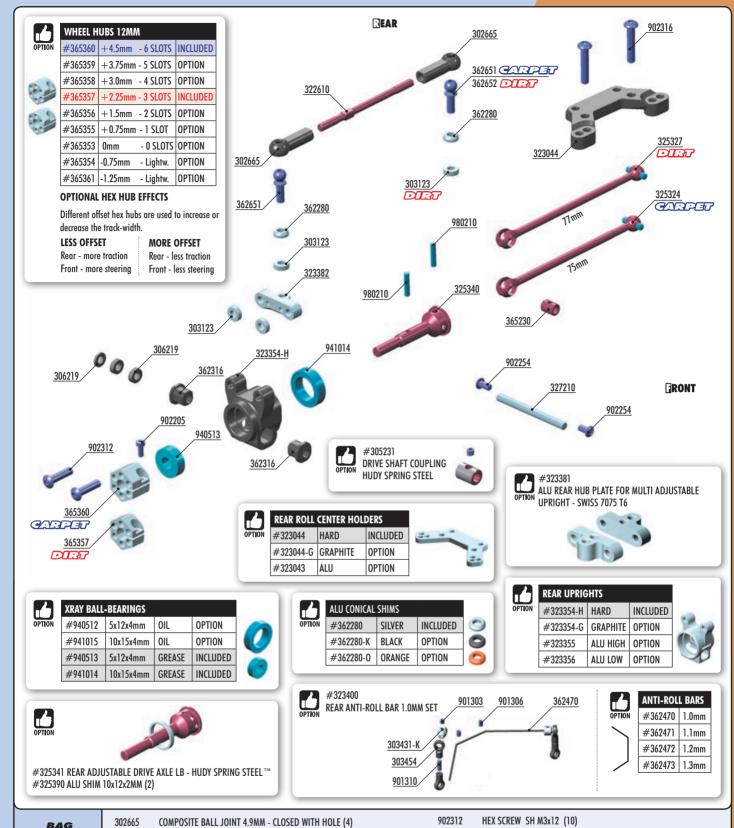




3432'23

3. REAR DRIVETRAIN







302665

902254

ALU SHIM 3x6x2.0MM (10) 303123 COMPOSITE SET OF SHIMS (4) 306219 322610 ADJUSTABLE TURNBUCKLE 55MM M3 L/R - HUDY SPRING STEEL™ (2) 323044 COMPOSITE REAR ROLL CENTER HOLDER FOR ANTI-ROLL BAR COMPOSITE UPRIGHT REAR - HARD 323354-H ALU REAR HUB PLATE FOR MULTI ADJ. UPRIGHT - 1-HOLE - SWISS 7075 T6 323382 REAR DRIVE AXLE LB - HUDY SPRING STEEL 325340 SUSPENSION PIVOT PIN (2) 327210 362280 ALU CONICAL SHIM 3x6x2.0MM (10) 362316 ECCENTRIC BUSHING SET - OPEN (2) 362651 BALL END 4.9MM WITH THREAD 8MM (2) DRIVE SHAFT COUPLING - HUDY SPRING STEEL™ 365230 902205 HEX SCREW SH M2x5 (10)

HEX SCREW SH M2.5x4 (10)

902312 HEX SCREW SH M3x12 (10) 902316 HEX SCREW SH M3x16 (10)

940513 BALL-BEARING 5x12x4 RUBBER SEALED - GREASE (2) BALL-BEARING 10x15x4 RUBBER SEALED - GREASE (2) 941014

980210 PIN 2x9.8 (10)

CARPET .

325324 REAR DRIVE SHAFT 75MM WITH 2.5MM PIN - HUDY SPRING STEEL™ 362651 BALL END 4.9MM WITH THREAD 8MM (2) 365360 ALU WHEEL HUB 12MM - OFFSET "+3.0MM" (2)

325327 REAR DRIVE SHAFT 77MM WITH 2.5MM PIN - HUDY SPRING STEEL $^{\text{\tiny TM}}$ 362652 BALL END 4.9MM WITH THREAD 10MM (2)

365357 ALU WHEEL HUB 12MM - OFFSET "+2.25MM" (2)

3. REAR DRIVETRAIN



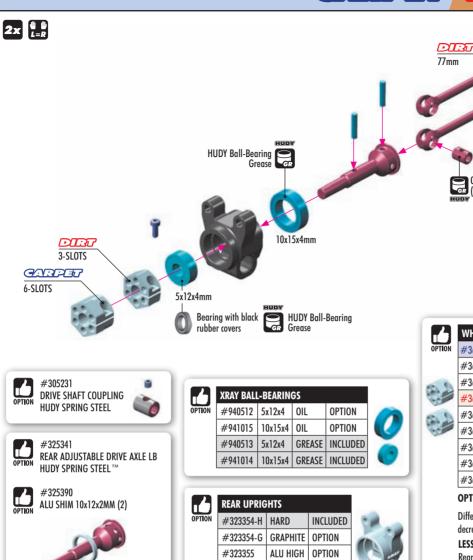














CANDELL CAND 75mm

GRAPHITE GREASE (HUDY #106210)

OPTIONAL HEX HUB EFFECTS

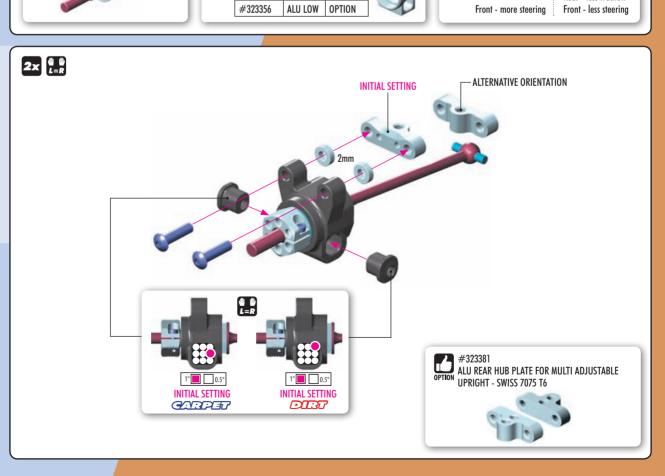
Different offset hex hubs are used to increase or decrease the track-width.

LESS OFFSET

Rear - more traction Front - more steering

MORE OFFSET Rear - less traction Front - less steering



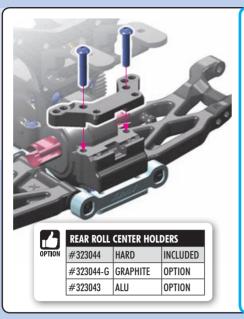


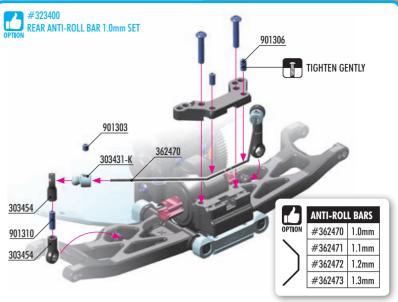
OPTION

3. REAR DRIVETRAIN

CARPET DIRT



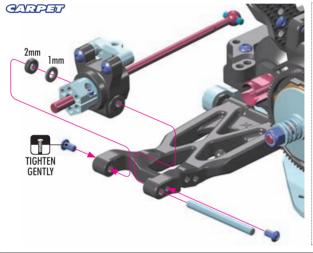


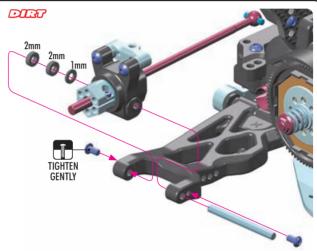














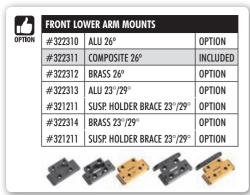






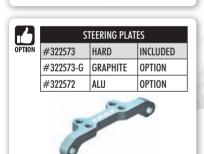
4. FRONT ASSEMBLY



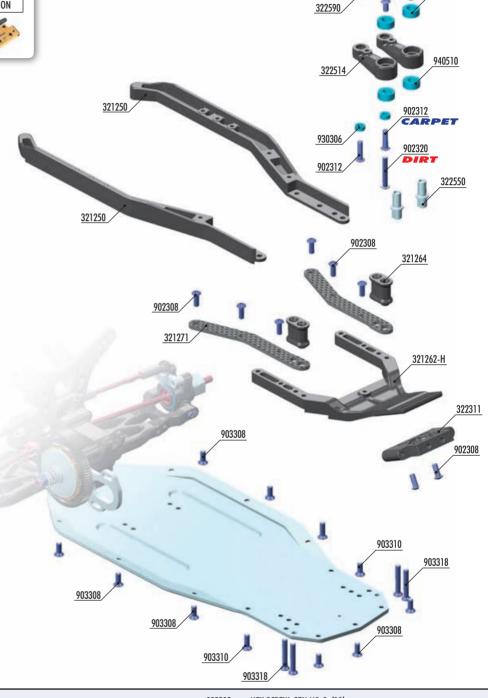




	STEERING ARMS			
OPTION	#322514	HARD	INCLUDED	
	#322514-G	GRAPHITE	OPTION	
	#322513	ALU	OPTION	



	AL	.U NUTS M3		
OPTION	#296530-B	BLUE	OPTION	8
	#296530-K	BLACK	OPTION	8
	#296530-0	ORANGE	OPTION	8
	#960031	SILVER	OPTION	0





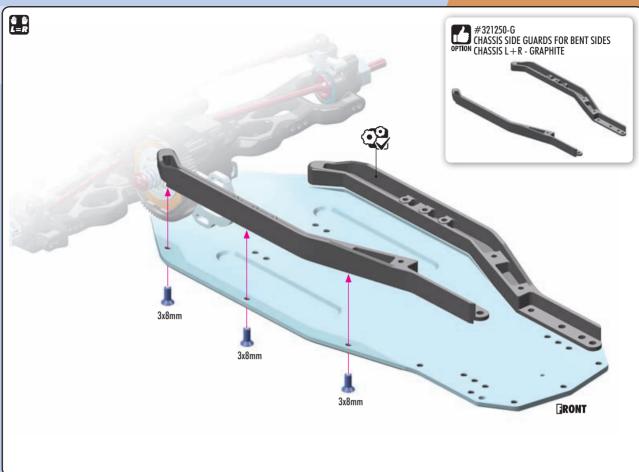
321250	COMPOSITE CHASSIS SIDE GUARDS FOR BENT SIDES CHASSIS $L+R$
321262-H	COMPOSITE CHASSIS FRONT GUARD - HARD - V2
321264	COMPOSITE FRONT CHASSIS SIDE BRACE - SHORT (2)
321271	GRAPHITE CHASSIS SIDE GUARD BRACE FOR BENT SIDES CHASSIS (2)
322311	COMPOSITE FRONT LOWER SUSPENSION HOLDER
322514	COMPOSITE STEERING ARM WITH STEERING MOUNT HOLE (2)
322550	ALU SERVO SAVER PIVOT SHAFT (2)
322573	COMPOSITE STEERING PLATE - FRONT/REAR MOUNTING POSITIONS
322590	ALU SHIM 3x4.7x1.0MM (10)
	• •
902306	HEX SCREW SH M3x6 (10)
902308	HEX SCREW SH M3x8 (10)
902312	HEX SCREW SH M3x12 (10)

903308 903310 903318 930306 940510	HEX SCREW SFH M3x8 (10) HEX SCREW SFH M3x10 (10) HEX SCREW SFH M3x18 (10) BALL-BEARING 3x6x2.5 STEEL SEALED - OIL (2) BALL-BEARING 5x10x4 RUBBER SEALED - OIL (2)
902312	HEX SCREW SH M3x12 (10)

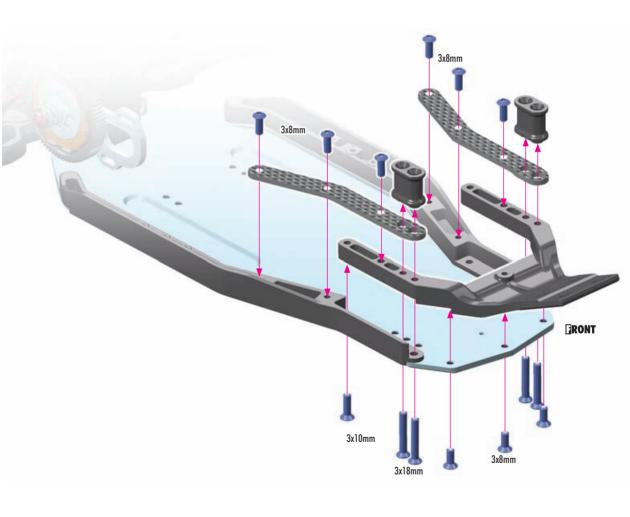
902320	HEX SCREW SH M3x20	(10)
960030	NUT M3 (10)	



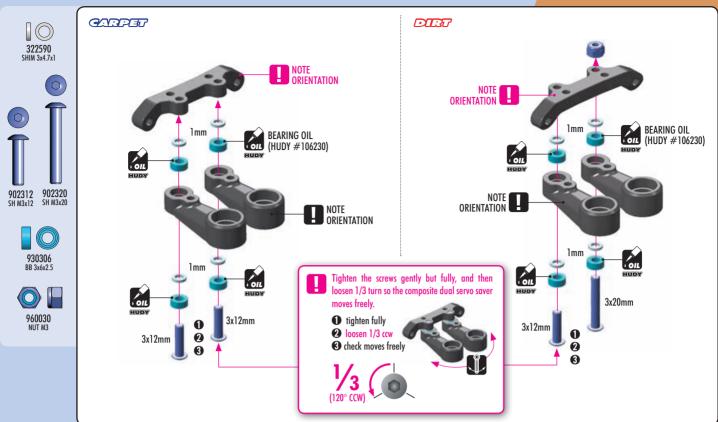




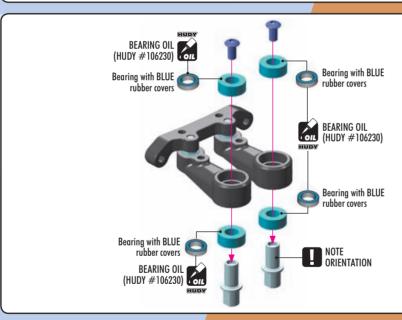


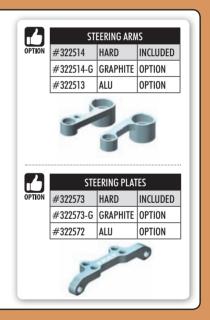




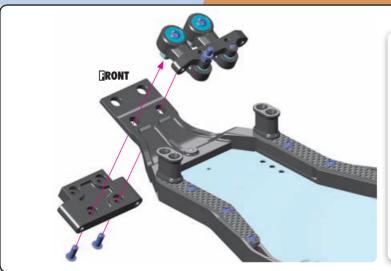












	FRONT LOWER ARM MOUNTS			
OPTION	#322310	ALU 26°	OPTION	
	#322311	COMPOSITE 26°	INCLUDED	
	#322312	BRASS 26°	OPTION	
	#322313	ALU 23°/29°	OPTION	
	#321211	SUSP. HOLDER BRACE 23°/29°	OPTION	
	#322314	BRASS 23°/29°	OPTION	
	#321211	SUSP. HOLDER BRACE 23°/29°	OPTION	
			-	



COMPOSITE - Generates more traction in front.

ALU - Makes car more stable.

BRASS - Adds more weight in front, less weight transfer.

5. FRONT SUSPENSION







XRAY BALL-BEARINGS				
#940510	5x10x4	OIL	OPTION	6
#359050	5x10x4	GREASE	INCLUDED	



STEERING BLOCKS			1
#322250-M	MEDIUM	OPTION	
#322250-H	HARD	INCLUDED	1
#322250-G	GRAPHITE	OPTION	



FRONT LSM SUSPENSION ARMS				
#322113-H	RIGHT	HARD	INCLUDED	
#322123-H	LEFT	HARD	INCLUDED	
#322113-G	RIGHT	GRAPHITE	OPTION	
#322123-G	LEFT	GRAPHITE	OPTION	



FRONT ROLL	CENTER HOLDER	S
#322044-H	HARD	INCLUDED
#322043	ALU	OPTION



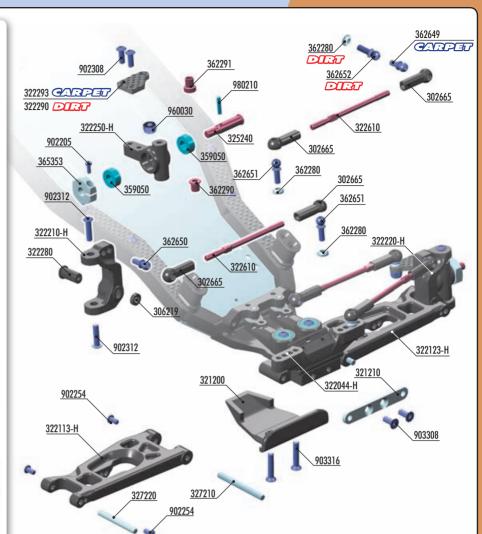
STEERING B	LOCK EXTENSION		l
#322290	2 SLOTS	INCLUDED	
#322291	1 SLOT	OPTION	
#322292	0 SLOTS	OPTION	
#322293	3 SLOTS	INCLUDED	

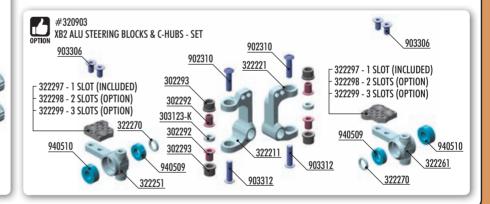


C-HUBS				
#322210-M	RIGHT	MEDIUM	OPTION	
#322210-H	RIGHT	HARD	INCLUDED	
#322210-G	RIGHT	GRAPHITE	OPTION	
#322220-M	LEFT	MEDIUM	OPTION	
#322220-Н	LEFT	HARD	INCLUDED	
#322220-G	LEFT	GRAPHITE	OPTION	



WHEEL HI	X HUBS 12	MM	
#365360	+4.5mm	6 SLOTS	OPTION
#365359	+3.75mm	5 SLOTS	OPTION
#365358	+3.0mm	4 SLOTS	OPTION
#365357	+2.25mm	3 SLOTS	OPTION
#365356	+1.5mm	2 SLOTS	OPTION
#365355	+0.75mm	1 SLOT	OPTION
#365353	0mm	O SLOTS	INCLUDED
#365354	- 0.75mm	Lightw.	OPTION
#365361	-1.25mm	Lightw.	OPTION







COMPOSITE BALL JOINT 4.9MM - CLOSED WITH HOLE (4) 302665 COMPOSITE SET OF SERVO SHIMS (4) 306219 321200 COMPOSITE FRONT BUMPER 321210 ALU SUSPENSION HOLDER BRACE - SWISS 7075 T6 (3MM) COMPOSITE FRONT ROLL-CENTER HOLDER - WIDE - HARD 322044-H 322113-H SUSP. ARM FRONT - LOW SHOCK MOUNTING - LOWER RIGHT - HARD SUSP. ARM FRONT - LOW SHOCK MOUNTING - LOWER LEFT - HARD 322123-H COMPOSITE C-HUB 0° DEG. RIGHT - HARD 322210-H 322220-H COMPOSITE C-HUB 0° DEG. LEFT - HARD 322250-H COMPOSITE STEERING BLOCK - HARD 322280 COMPOSITE CASTER ECCENTRIC BUSHING (2+2+2)ADJUSTABLE TURNBUCKLE 55MM M3 L/R - HUDY SPRING STEEL™ (2) 322610 FRONT DRIVE AXLE - HUDY SPRING STEEL™ 325240 FRONT SUSPENSION PIVOT PIN (2) 327210 FRONT ARM PIVOT PIN (2) 327220 362280 ALU CONICAL SHIM 3x6x2.0MM (10) 362290 STEEL STEERING BUSHING - SHORT (2) STEEL STEERING BUSHING - LONG (2) 362291 362650 BALL END 4.9MM WITH THREAD 6MM (2) BALL END 4.9MM WITH THREAD 8MM (2) 362651

365353 ALU WHEEL HUB 12MM (2) 359050 BALL-BEARING 5x10x4 STEEL SEALED - GREASE (2) HEX SCREW SH M2x5 (10) 902205 902254 HEX SCREW SH M2.5x4 (10) 902308 HEX SCREW SH M3x8 (10) 902312 HEX SCREW SH M3x12 (10) 903308 HEX SCREW SFH M3x8 (10) HEX SCREW SFH M3x16 (10) 903316 NUT M3 (10) 960030 980210 PIN 2x9.8 (10)

CARPET

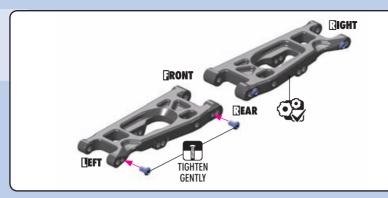
322293 GRAPHITE EXTENSION FOR STEERING BLOCK (2) - 3 SLOTS 362649 BALL END 4.9MM WITH THREAD 5MM (2)

322290 GRAPHITE EXTENSION FOR STEERING BLOCK - 2 SLOTS (2)
362280 ALU CONICAL SHIM 3x6x2.0MM (10)
362652 BALL END 4.9MM WITH THREAD 10MM (2)



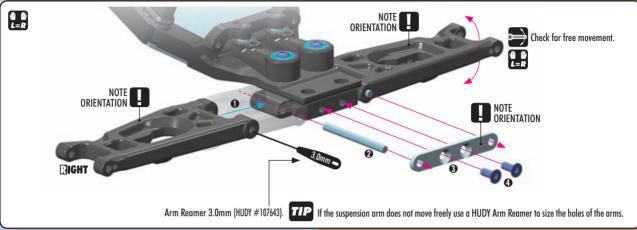




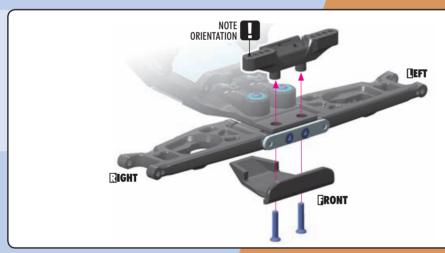


	FRONT LSM	SUSPEN	SION ARMS		40
OPTION	#322113-H	RIGHT	HARD	INCLUDED	20
	#322123-H	LEFT	HARD	INCLUDED	K
	#322113-G	RIGHT	GRAPHITE	OPTION	以
	#322123-G	LEFT	GRAPHITE	OPTION	8
7	FRONT SUSP	ENSION	I ARMS		
OPTION	#322110-M	MEDIU	И	OPTION	. 198
	#322110-H	HARD		OPTION	100
	#322110-G	GRAPH	ITE	OPTION	440



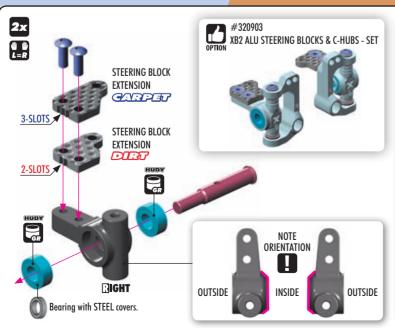












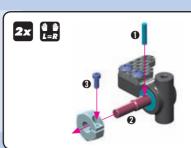
F	STEERING	BLOCK EX	XTENSION	IS
OPTION	#322293	3 SLOTS	INCLUDE	D CARPET
	#322290	2 SLOTS	INCLUDE	D DOGG
	#322291	1 SLOT	OPTION	-
	#322292	O SLOTS	OPTION	
	2 SLOTS - Tu les 1 SLOT - Be 0 SLOTS - M	irns outsid ss aggressi etween 2 a ost aggres	ive. ınd O.	ess, easier to drive, ng, recommended
7	STEERING	BLOCKS		
OPTION	#322250-M	MEDIU	M C	OPTION S
	#322250-H	HARD	1	NCLUDED
	#322250-G	GRAPH	IITE (OPTION
	HARD - 1	More free i		traction. n high grip. r on high traction.





902205 SH M2x5



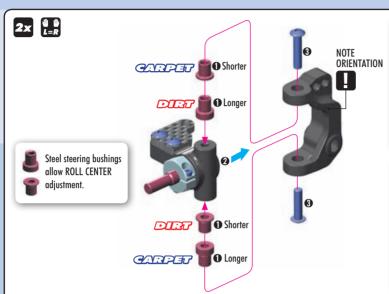


	WHEEL H	EX HUBS 12	2MM	
OPTION	#365360	+4.5mm	6 SLOTS	OPTION
	#365359	+3.75mm	5 SLOTS	OPTION
	#365358	+3.0mm	4 SLOTS	OPTION
	#365357	+2.25mm	3 SLOTS	OPTION

#365356	+1.5mm	2 SLOTS	OPTION
#365355	+0.75mm	1 SLOT	OPTION
#365353	0mm	0 SLOTS	INCLUDED
#365354	- 0.75mm	Lightw.	OPTION
#365361	-1.25mm	Lightw.	OPTION









LOWER ROLL CENTER

(INITIAL SETTING) = LONGER bushing BOTTOM = SHORTER bushing Recommended for rough tracks to improve stability.



HIGHER ROLL CENTER

(INITIAL SETTING)

TOP = SHORTER bushing BOTTOM = LONGER bushing

Recommended for smooth tracks to gain more steering.

OPTION

2x L=R CARPET

C-HUBS - LEFT				
#322220-M	MEDIUM	OPTION		
#322220-H	HARD	INCLUDED		
#322220-G	GRAPHITE	OPTION		

C-HUBS - RI	GHT	
#322210-M	MEDIUM	OPTION
#322210-H	HARD	INCLUDED
#322210-G	GRAPHITE	OPTION

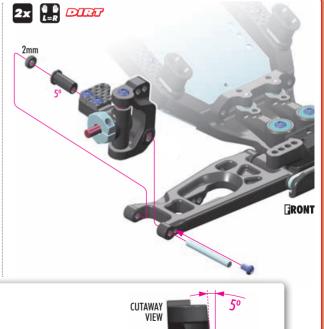
MEDIUM - For low traction. More steering on low grip. HARD

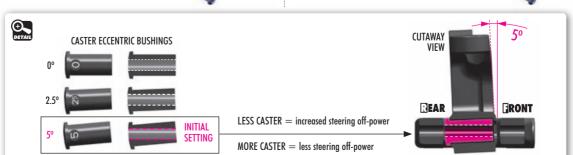
- For medium traction. More steering, more free in corners.

GRAPHITE - For high traction. More precise steering, less stoping in corners.

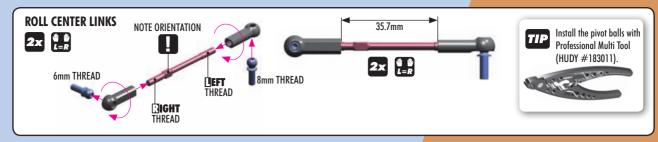




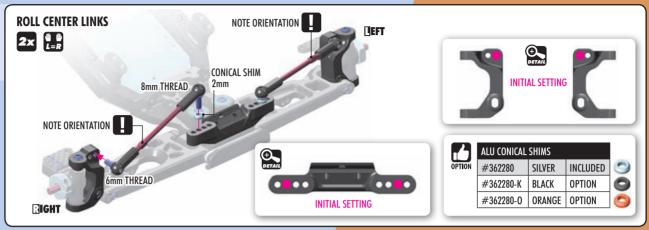


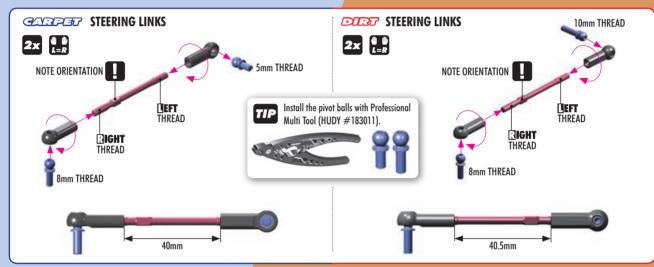


5. FRONT SUSPENSION CARPET DIRT

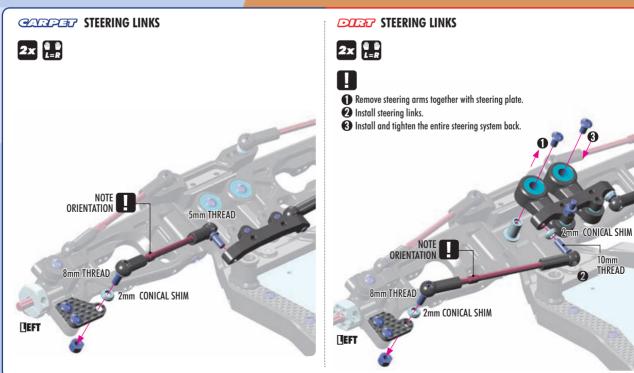








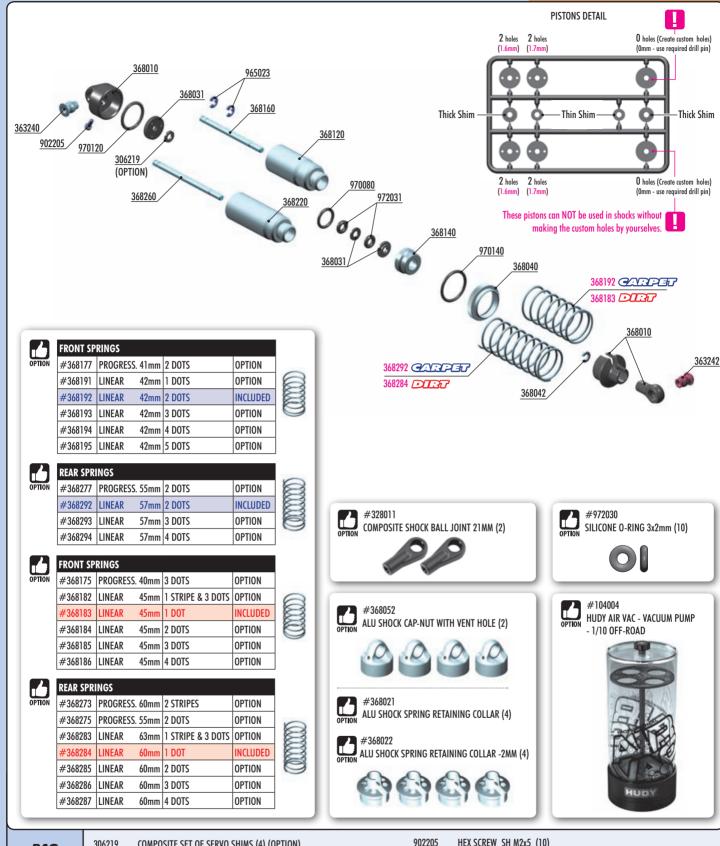




6. SHOCK ABSORBERS









306219	COMPOSITE SET OF SERVO SHIMS (4) (OPTION)
363240	BALL UNIVERSAL 5.8MM WITH BACKSTOP (2)
363242	PIVOT BALL 5.8MM ECCENTRIC (2)
368010	COMPOSITE SHOCK PARTS
368031	SHOCK PISTONS - COMPLETE SET - DERLIN - V2
368040	ALU SHOCK ADJUSTABLE NUT (2)
368042	COMPOSITE SHOCK BUSHING & SHIM $(2+2)$
368100	FRONT SHOCK ABSORBERS COMPLETE SET - V3 (2)
368120	ALU FRONT SHOCK BODY - V3 (2)
368140	ALU LOWER SHOCK BODY CAP (2)
368160	FRONT HARDENED SHOCK SHAFT (2)
368200	REAR SHOCK ABSORBERS COMPLETE SET (2)
368220	ALU REAR SHOCK BODY (2)
368260	REAR HARDENED SHOCK SHAFT (2)

902205 HEX SCREW SH M2x5 (10) 965023 E-CLIP 2.3 (10) O-RING 8x1 (10) 970080 970120 O-RING 12 x 1.0 (10) 970140 0-RING 14 x 1.5 (10) 972031 SILICONE O-RING 3x2.1 (10) CARPET

368192

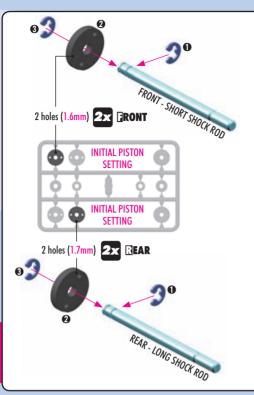
FRONT SPRING-SET LINEAR - 2 DOTS (2) 368292 REAR SPRING-SET LINEAR - 2 DOTS (2)

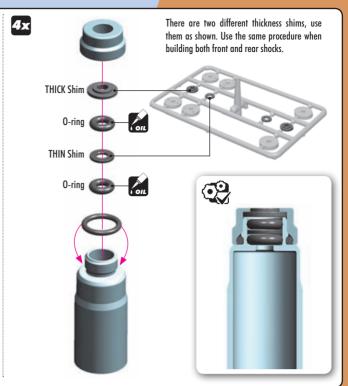
368183 FRONT SPRING-SET LINEAR - 1 DOT (2) 368284 REAR SPRING-SET LINEAR - 1 DOT (2)

6. SHOCK ABSORBERS

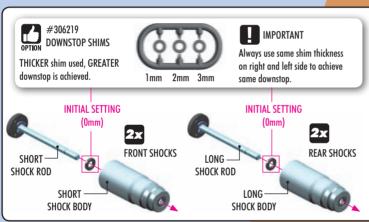
CARPET DIRT











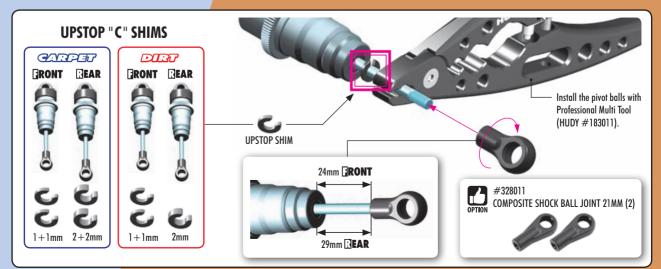














Follow the steps below to set the shock rebound to the default setting of 0%.











Move the shock shaft up and down a few times to release the air bubbles trapped beneath the piston.



Orient the filled shock vertically for several minutes with the shock shaft fully extended. The remaining air bubbles will release.



Gently place the shock cap onto the filled shock body and start to tighten the cup. Tighten the cap fully.



Gently push the shock shaft completely into the shock body. Excess oil will flow through the hole in the shock cap.



Extend the shock shaft completely.

Fill the shock body with the shock oil. For the FRONT shocks (short)

use 500cSt oil. For the REAR shocks

(long) use 450cSt or 500cSt oil.

Keep the shock shaft pushed in the shock body and insert the screw into the shock cap. Tighten gently.



6x push the shaft up and down.



Untighten the screw.

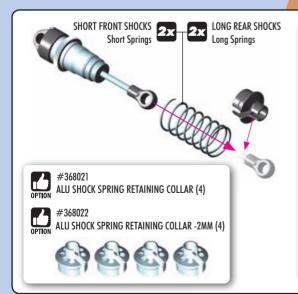


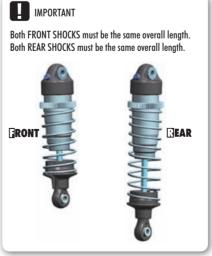
Gently push the shock shaft completely into the shock body. Excess oil will flow through the hole in the shock cap.



Tighten the screw. The rebound will be at approx. 0%

SET-UP BOOK SHOCK OIL

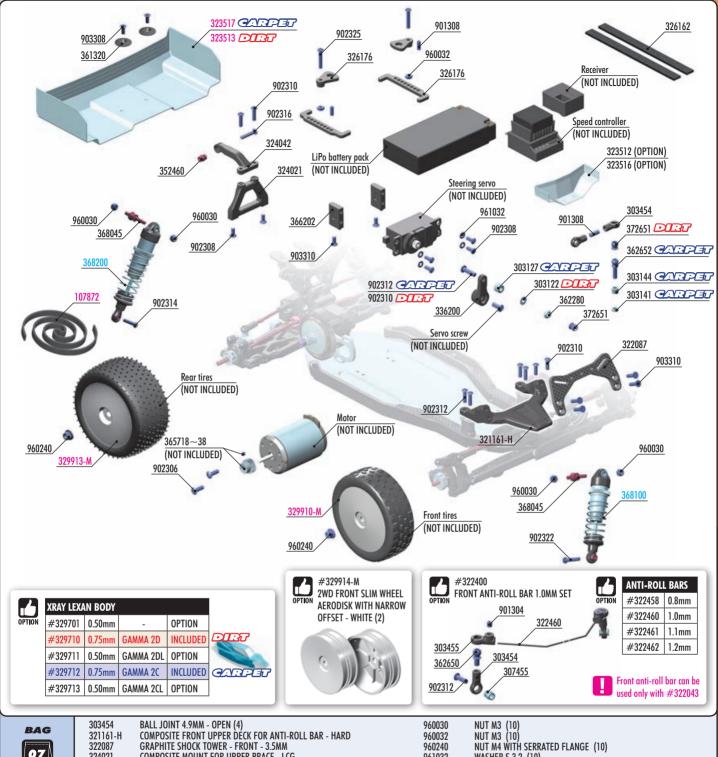










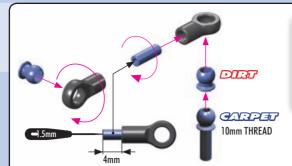




ı	303434	DALL JOINT 4.7MM - OF LN (4)	700030	NOT MO (10)
ı	321161-H	COMPOSITE FRONT UPPER DECK FOR ANTI-ROLL BAR - HARD	960032	NUT M3 (10)
ı	322087	GRAPHITE SHOCK TOWER - FRONT - 3.5MM	960240	NUT M4 WITH SERRATED FLANGE (10)
ı	324021	COMPOSITE MOUNT FOR UPPER BRACE - LCG	961032	WASHER S 3.2 (10)
ı	324042	COMPOSITE MOTOR UPPER BRACE - LCG	368100	FRONT SHOCK ABSORBERS COMPLETE SET (2)
1	326162	SELF-ADHESIVE RUBBER 1.5x6.5x155MM (2)	368200	REAR SHOCK ABSORBERS COMPLETE SET (2)
ı	326176	COMPOSITE LIPO BATTERY HOLDER FOR BENT SIDES CHASSIS (2+2)	107872	VELCRO TAPE WITH DOUBLE SIDED TAPE 8x500MM
ı	336200	COMPOSITE STEERING SERVO ARMS - SET	329910-M	FRONT WHEEL AERODISK WITH 12MM HEX IFMAR - WHITE (2)
ı	352460	PIVOT BALL 5.8 (10)	329913-M	REAR WHEEL AERODISK WITH 12MM HEX IFMAR - WHITE (2)
ı	361320	BODY MOUNT, BATTERY MOUNT - V2 & WING SHIM (2)	027710 III	REME THE LE MERODISK THAT TERMINAL MARKET THE (2)
ı	362280	ALU CONICAL SHIM 3x6x2.0MM (10)	GARRE	40
ı	365718~38	ALU PINION GEAR HARD COATED 18~38T/48 (OPTION)		
ı	366202	COMPOSITE SERVO MOUNT - HIGHER	303127	ALU SHIM 3x6x4.0MM (10)
ı	368045	STEEL SCREW SHOCK PIVOT BALL WITH HEX (2)	303141	ALU SHIM 3x5x1.0MM (10)
ı	372651	PIVOT BALL UNIVERSAL 4.9 MM - HUDY SPRING STEEL™ (2)	303144	ALU SHIM 3x5x4.0MM (10)
ı		LIEU CORFIU OR LIO O (70)	362652	BALL END 4.9MM WITH THREAD 10MM (2)
ı	901308	HEX SCREW SB M3x8 (10)	902312	HEX SCREW SH M3x12 (10)
ı	902306	HEX SCREW SH M3x6 (10)	323517	LEXAN REAR WING - TEC
ı	902308	HEX SCREW SH M3x8 (10)	329712	BODY FOR 1/10 2WD OFF-ROAD BUGGY - GAMMA 2C
ı	902310	HEX SCREW SH M3x10 (10)		
ı	902312	HEX SCREW SH M3x12 (10)		
ı	902314	HEX SCREW SH M3x14 (10)	303122	ALU SHIM 3x6x1.0MM (10)
ı	902316	HEX SCREW SH M3x16 (10)	372651	PIVOT BALL UNIVERSAL 4.9 MM - HUDY SPRING STEEL™ (2)
ı	902322	HEX SCREW SH M3x22 (10)	902310	HEX SCREW SH M3x10 (10)
ı	902325	HEX SCREW SH M3x25 (10)	323513	LEXAN REAR WING - RANK (2)
ı	903308	HEX SCREW SFH M3x8 (10)		· · · · · · · · · · · · · · · · · · ·
l	903310	HEX SCREW SFH M3x10 (10)	329710	BODY FOR 1/10 2WD OFF-ROAD BUGGY - GAMMA 2D

CARPET DIRT

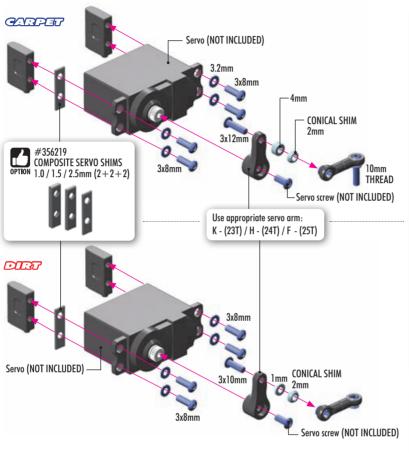






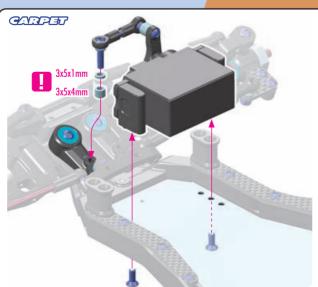


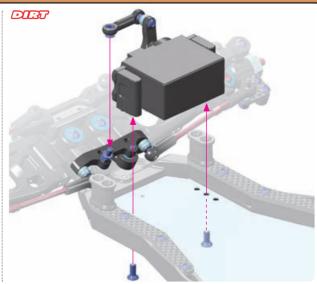










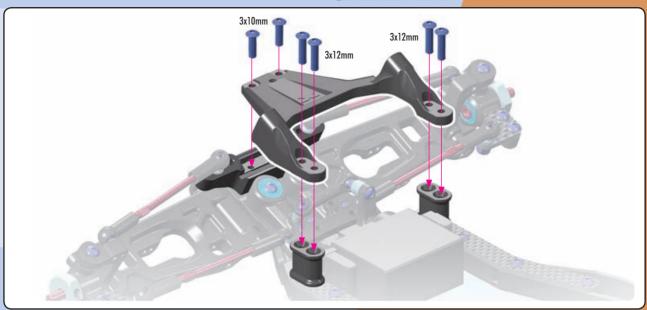


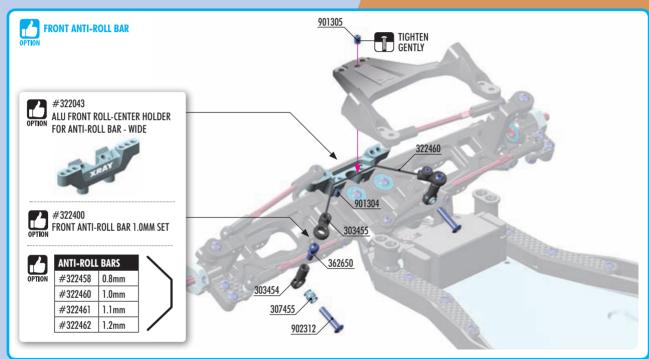
CARPET DIRT



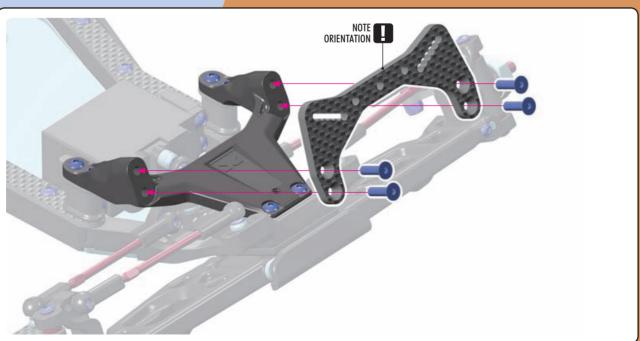








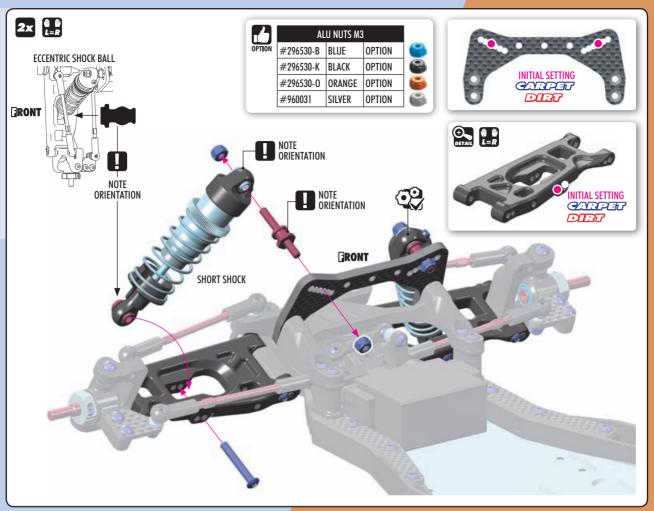




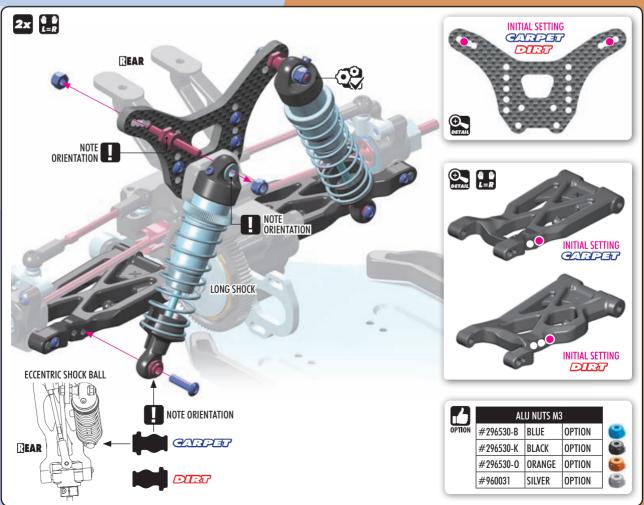
M32'23

CARPET DIRT

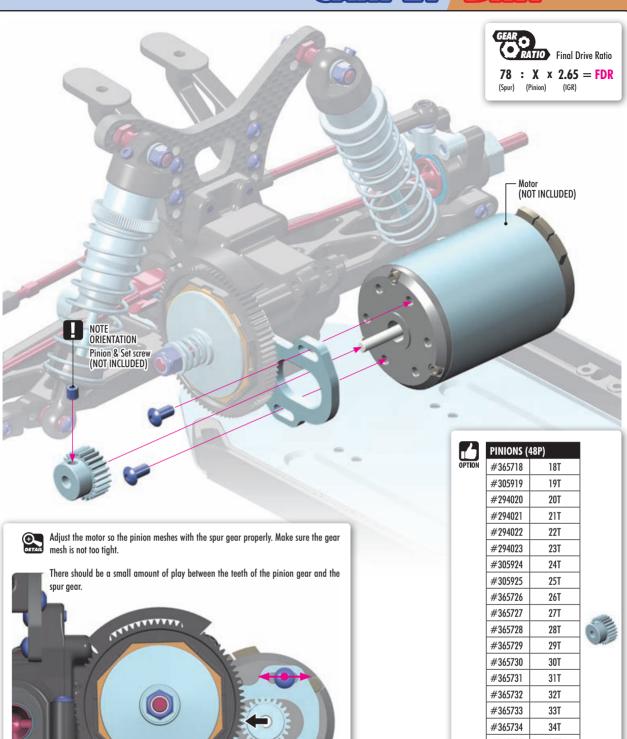


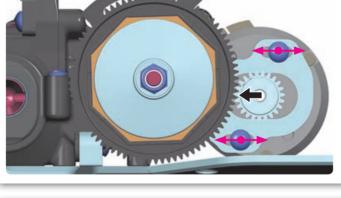












#293110 HUDY BRUSHLESS RC FAN 30MM - WITH EXTERNAL SOLDERING TABS







#293101 HUDY ALU RC FAN 30MM - SIDE MOUNT 2 HOLE

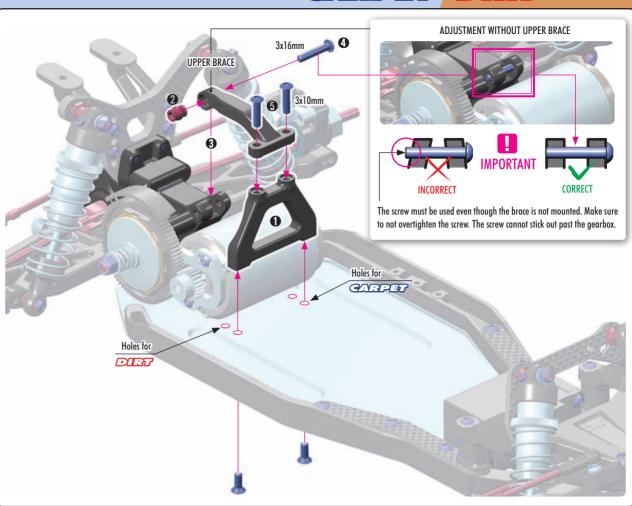


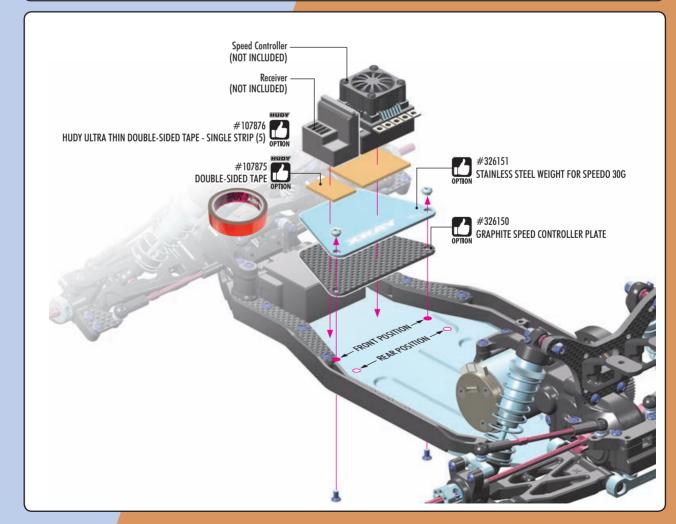
#293100 HUDY ALU RC FAN 30MM - BOTTOM MOUNT 2 HOLE

7. FINAL ASSEMBLY





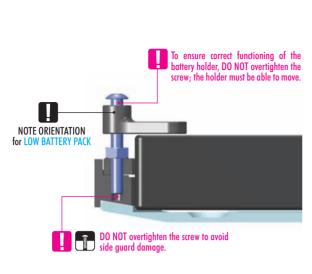


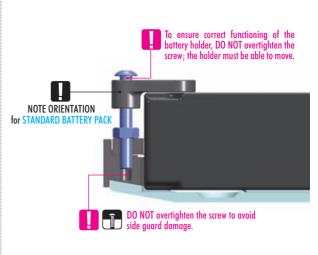


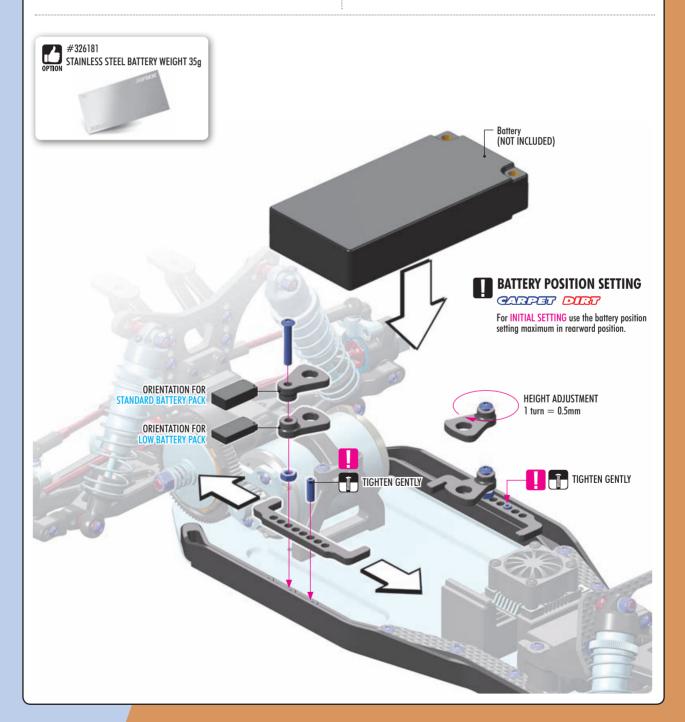
7. FINAL ASSEMBLY

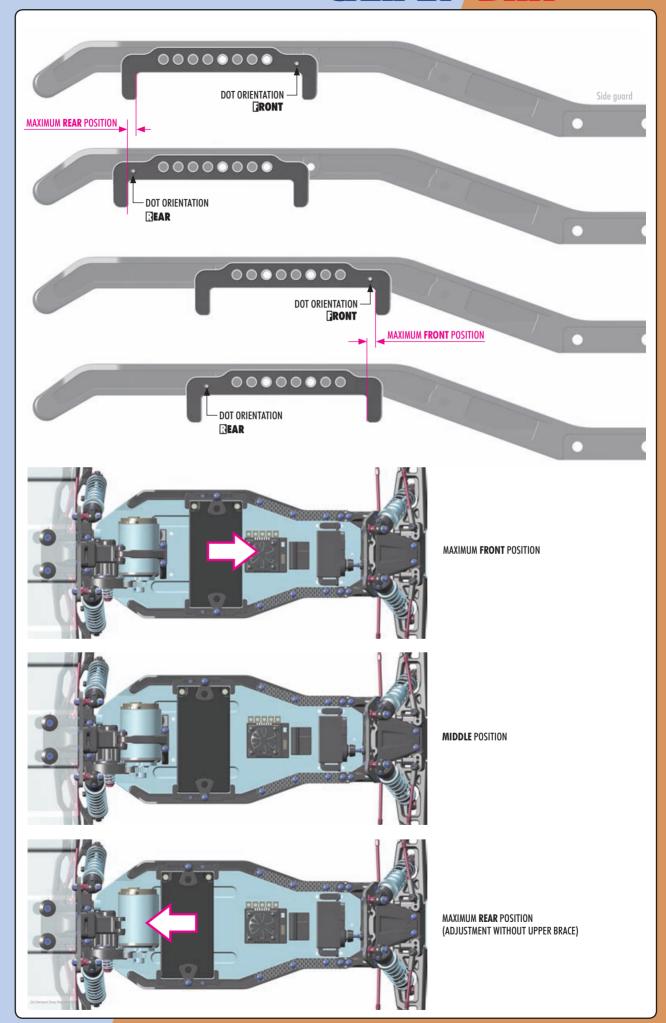






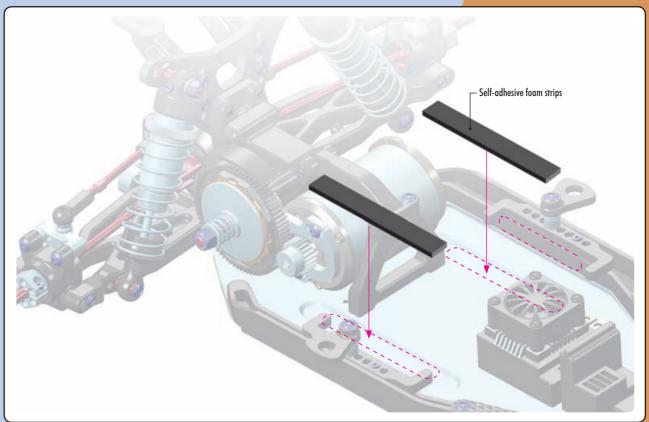


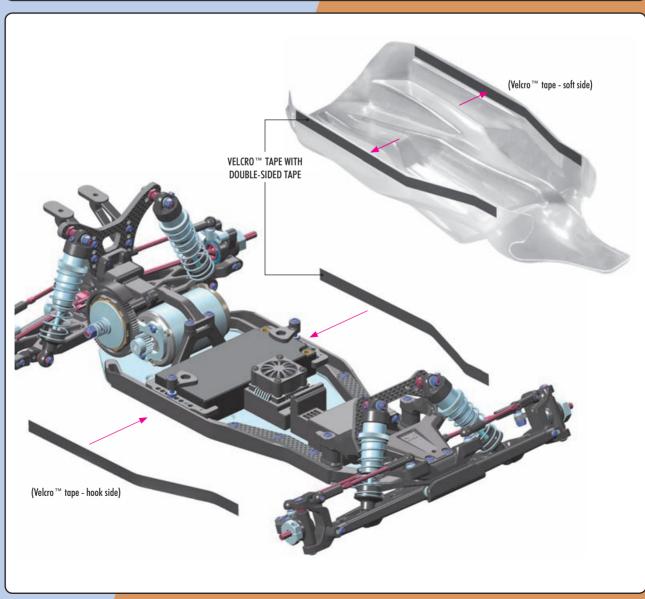




7. FINAL ASSEMBLY



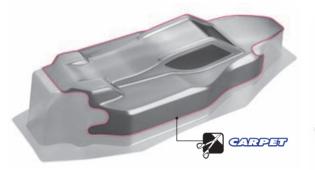


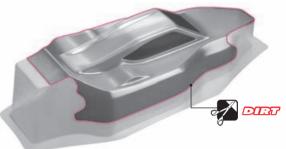


X 132 2233



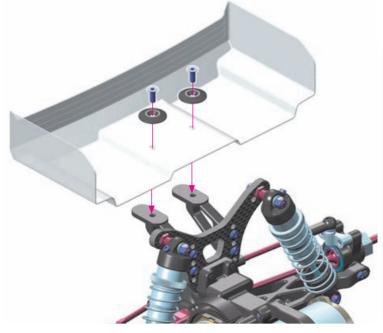
- Before cutting and making holes on the BODY, put the unpainted body on the chassis to confirm the mounting position and location for holes and cutouts. Before cutting and making holes on the WING, put the unpainted wing on the wing holders to confirm the mounting position and location for holes and cutouts.
- Before painting, wash the inside of the body with mild detergent, and then rinse and dry thoroughly.
- Mask all windows.
- Apply paint masks as appropriate.
- Paint the body using paints formulated for polycarbonate bodies.
- **6** When the paint is dry, remove the masking.
- $\begin{tabular}{ll} \end{tabular} \begin{tabular}{ll} \end{tabular} \be$
- **3** When you have finished cutting, peel off the external protective films.





7	XRAY LEXA				
OPTION	#329701	0.50mm		OPTION	
	#329710	0.75mm	GAMMA 2D	INCLUDED	
	#329711	0.50mm	GAMMA 2DL	OPTION	
	#329712	0.75mm	GAMMA 2C	INCLUDED	CARPE
	#329713	0.50mm	GAMMA 2CL	OPTION	

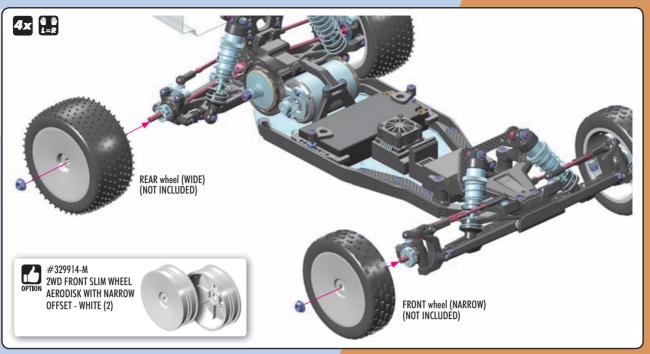




73	REAR WII	NG SHI	MS		<u> </u>
OPTION	#293561	SIL	VER	OPTION	600
	#293561	-0 OR	ANGE	OPTION	
	#293561	-K BL	ACK	OPTION	339 339
	XRAY LEXA	AN REA	R WIN	GS	
OPTION				OPTION	
	#323511	1.5mm		OPTION	
	#323513	1.0mm	RANK	INCLUDED	DIET.
	#323517	1.0mm	TEC	INCLUDED	<i>CARPET</i>
	#363510	1.0mm		OPTION	
	#363511	1.5mm		OPTION	
	#363512	2.0mm		OPTION	
	XRAY LEXA	N CEN	TER FI	N	
	#323515	1.0mm	ZAP	OPTION	

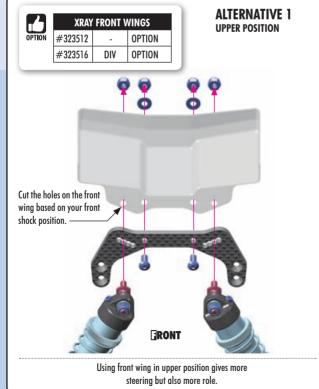


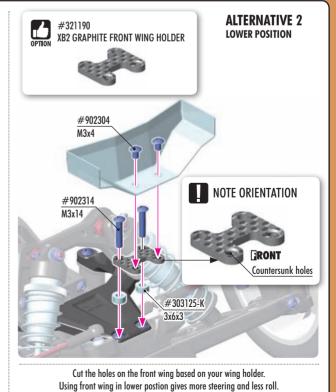












SHOCK MAINTENANCE

The most important maintenance task for keeping consistent shock performance is refilling and bleeding them correctly. If built correctly, it will not be necessary to re-build them often. Replacing warped/hard o-rings, scarred piston rods, or shaved/split/loose composite upper and lower ball joints are also important.

- For club racing, it is recommended to check the shocks for air inside before each race and only re-fill
 and bleed them if necessary. Before each race day, make sure you take the spring off of each shock,
 hold it up to your ear, and quickly compress the shock rod fully into the body while listening for any
 air making a "whistling" or "squishy" sound as it passes through the piston holes. If you hear any
 air, refill and bleed your shocks. For high-competition racing, it is recommended that the shocks be
 re-filled and bled before a large event.
- If building or pairing new shocks, always make sure they are the same length using a shock length measuring tool and adjust the lower ball joints as needed.
- During regular shock operation, oil naturally gets on the shock shaft and drop-by-drop slightly
 gets out of the shock body. Shocks should be inspected regularly after each race, and oil replaced
 as required.

BEARING MAINTENANCE

Ball-bearings in an off-road car must be properly maintained for smooth operation and long lifespan.

The ball-bearings are degreased and are lubricated with HUDY Bearing Oil. The following procedures are recommended to clean all of the bearings in your off-road car. For high-competition racing, we recommended doing this every 3-4 weeks, or before a major race.

- Remove the seals on both sides of the bearing (if present). If the seals bend a little and you can see a kink, carefully flatten the kink out by hand.
- ② Spray the seals with motor cleaner and blow dry with compressed air.
- 3 Spray the bearing on both sides with motor cleaner.
- 4 Spin the bearing while it is still wet to dislodge any particles with the cleaner.
- Spray the bearing on both sides again.

If you spin test the bearing after you have re-oiled and sealed it, it will not spin freely for an extended period of time. The lightest of oils may allow it to spin for 1-2 seconds. This is normal and once you have mounted the bearings in the car again, the drive train will spin freely.

Make sure you use a motor cleaner that does not leave a residue after it dries as this may cause drag and wear in the bearings

- 13 Blow both sides of the bearing dry with compressed air to make sure particles come out.
- Hold the inner part of the bearing with my left thumb/forefinger and spin it to make sure it spins free without any abnormal vibrations or sounds.
- 3 Place one drop of bearing oil into each side of the bearing.
- Replace both seals at the same time by lining them up on each side of the bearing and lightly pressing them in all the way around the bearings circumference with your thumb and forefinger. Do not press too hard or use any type of tool, such as a wrench tip, to push the blue seals in as they will push in too far, bend and cause drag.

RECOMMENDED PRODUCTS

- Use correct oil or grease to lubricate the bearings:
- #106230 HUDY Bearing Oil
- #106220 HUDY Bearing Grease Standard
- #106221 HUDY Bearing Grease Blue
- #106222 HUDY Bearing Grease Red



HUDY #106230



HUDY #106220



HUDY #106221



HUDY #106222

SUSPENSION & DRIVETRAIN MAINTENANCE

- Check suspension for free movement during building and operation, and especially after running
 and if you have crashed the car. If the suspension does not move freely, use the appropriate HUDY
 Arm Reamer to clean and resize the holes of the suspension arms.
- Regularly check the drive shaft pins and if they show any wear must be immediately replaced
 by new pins. If the car is run with worn pins, excessive wear on the diff outdrives will result. The
 #106000 HUDY Drive Pin Replacement Tool (for 3mm Pins) is a compact, rugged multi-use tool
 set for replacing 3mm drive pins in drive shafts. Use the HUDY replacement drive shaft pins 3x12
 (#106051).
- Regularly inspect and replace the pins that connect the wheel drive shafts with wheel axles. Use HUDY Graphite Grease to lubricate the drive shaft connecting joints and the diff gears.
- Pivot balls and ball-joints will naturally wear for some time and will generate play. If there
 is too much play the pivot balls and ball joints need to be replaced.
- If the car is run in wet conditions, apply WD-40® on all drivetrain parts before the run. After the run, clean and dry the parts again.



#106210 HUDY GRAPHITE GREASE

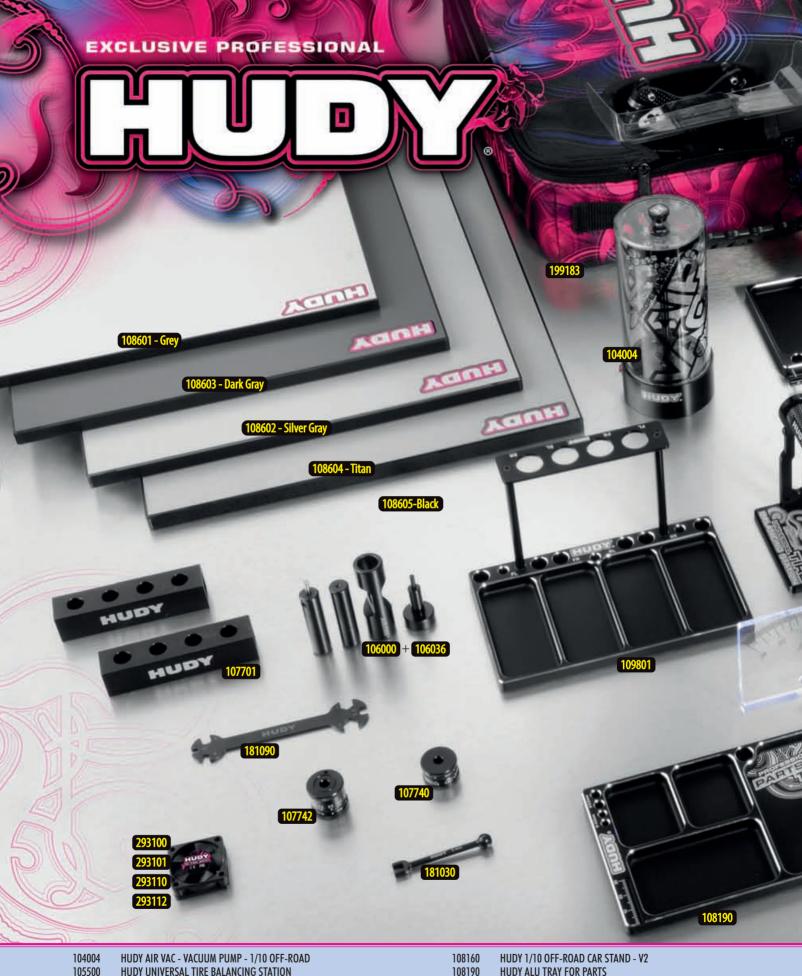


#106213 HUDY JOINT GREASE

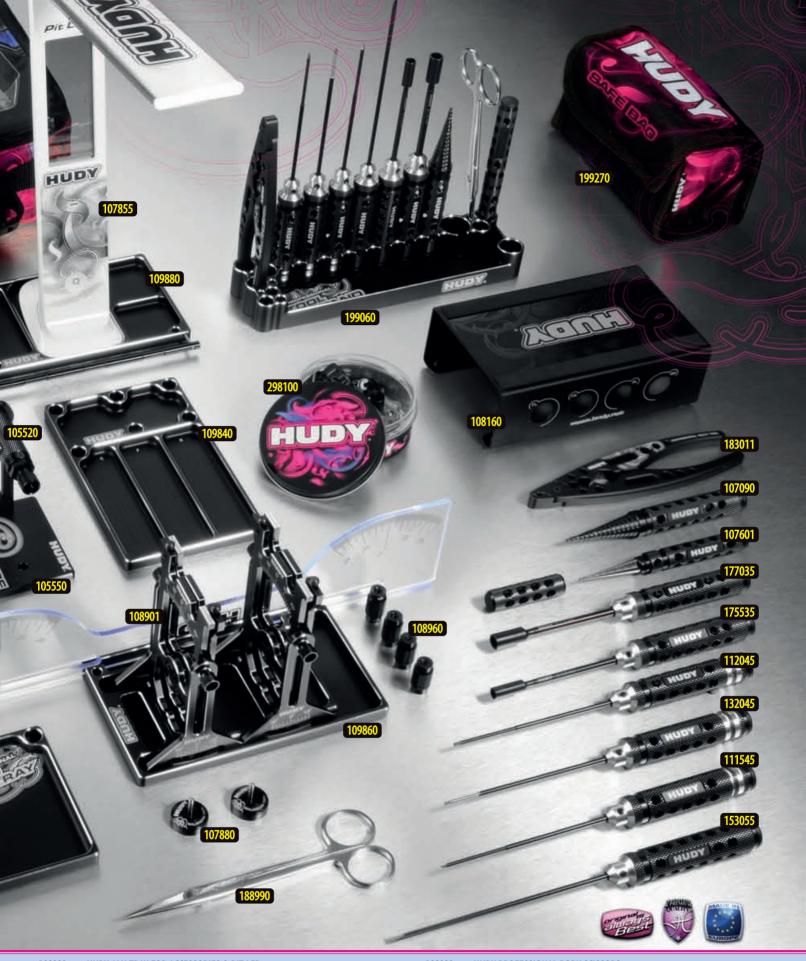
HUDY SPRING STEEL™

The HUDY Spring Steel™ used in the car is the strongest and most durable steel material on the RC market. While items made from HUDY Spring Steel™ are still subject to wear, the lifespan is considerably longer than any other material. As parts made from HUDY Spring Steel™ wear, the

brown color will fade (get lighter) but it will not affect the strength of the material. The brown color is only a surface treatment and if the brown color will wear the durability of the part will be still strong.



	104004	HUDY AIK VAC - VACUUM PUMP - 1/10 UFF-KUAD	108160	HUDY 1/10 OFF-KOAD CAK STAND - V2
	105500	HUDY UNIVERSAL TIRE BALANCING STATION	108190	HUDY ALU TRAY FOR PARTS
	105520	WHEEL ADAPTER FOR 1/10 TOURING CARS - 12MM	108601	FLAT SET-UP BOARD FOR 1/10 OFF-ROAD - LIGHTWEIGHT - GREY
	106000	HUDY DRIVE PIN REPLACEMENT TOOL (FOR 3MM PINS)	108602	FLAT SET-UP BOARD FOR 1/10 OFF-ROAD - LIGHTWEIGHT - SILVER GREY
	106036	EJECTOR PIVOT PIN & ALTERNATING PIVOT 2.5MM FOR #106000	108603	FLAT SET-UP BOARD FOR 1/10 OFF-ROAD - LIGHTWEIGHT - DARK GREY
	107090	HUDY BEARING CHECKING TOOL	108604	FLAT SET-UP BOARD FOR 1/10 OFF-ROAD - LIGHTWEIGHT - TITAN
	107601	LIMITED EDITION - REAMER FOR BODY 0-9MM $+$ COVER - SMALL	108605	FLAT SET-UP BOARD FOR 1/10 OFF-ROAD - LIGHTWEIGHT - BLACK
	107701	CHASSIS DROOP GAUGE SUPPORT BLOCKS 20MM FOR 1/8 - LW(2)	108901	HUDY SET-UP STATION FOR 1/10 OFF-ROAD CARS
	107740	HUDY ADJUSTABLE RIDE HEIGHT GAUGE 14-20MM	108960	ALU NUT FOR 1/10 OFF-ROAD SET-UP SYSTEM (4)
	107742	HUDY ADJUSTABLE RIDE HEIGHT GAUGE 20-30MM	109801	HUDY ALU TRAY FOR 1/10 OFF-ROAD DIFF & SHOCKS
46	107855	HUDY PIT LED	109840	HUDY ALU TRAY FOR 1/10 OFF-ROAD DIFF ASSEMBLY
	107880	CHASSIS BALANCING TOOL (2)	109860	HUDY ALU TRAY FOR SET-UP SYSTEM



109880 HUDY ALU TRAY FOR ACCESSORIES & PIT LED 188990 **HUDY PROFESSIONAL BODY SCISSORS HUDY ALU TOOL STAND** 111545 LIMITED EDITION - ALLEN WRENCH # 1.5MM 199060 112045 LIMITED EDITION - ALLEN WRENCH # 2.0MM 199183 HUDY CAR BAG - 1/10 OFF-ROAD 132045 LIMITED EDITION - ALLEN WRENCH + BALL REPL. TIP # 2.0MM 199270 **HUDY LIPO SAFETY BAG** 153055 LIMITED EDITION - SLOTTED SCREWDRIVER # 3.0MM - LONG **HUDY TIN ROUND BOX 80X30MM** 298100 175535 LIMITED EDITION - SOCKET DRIVER # 5.5MM HUDY ALU RC FAN 30MM - BOTTOM MOUNT 2 HOLE 293100 LIMITED EDITION - SOCKET DRIVER # 7.0MM 177035 293101 HUDY ALU RC FAN 30MM - SIDE MOUNT 2 HOLE 181030 HUDY SPRING STEEL TURNBUCKLE WRENCH 3 MM 293110 HUDY BRUSHLESS RC FAN 30MM - WITH EXTERNAL SOLDERING TABS 181090 **HUDY SPECIAL TOOL FOR TURNBUCKLES & NUTS** HUDY BRUSHLESS RC FAN 30MM - WITH INTERNAL SOLDERING TABS 293112 183011 **HUDY PROFESSIONAL MULTI TOOL**



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