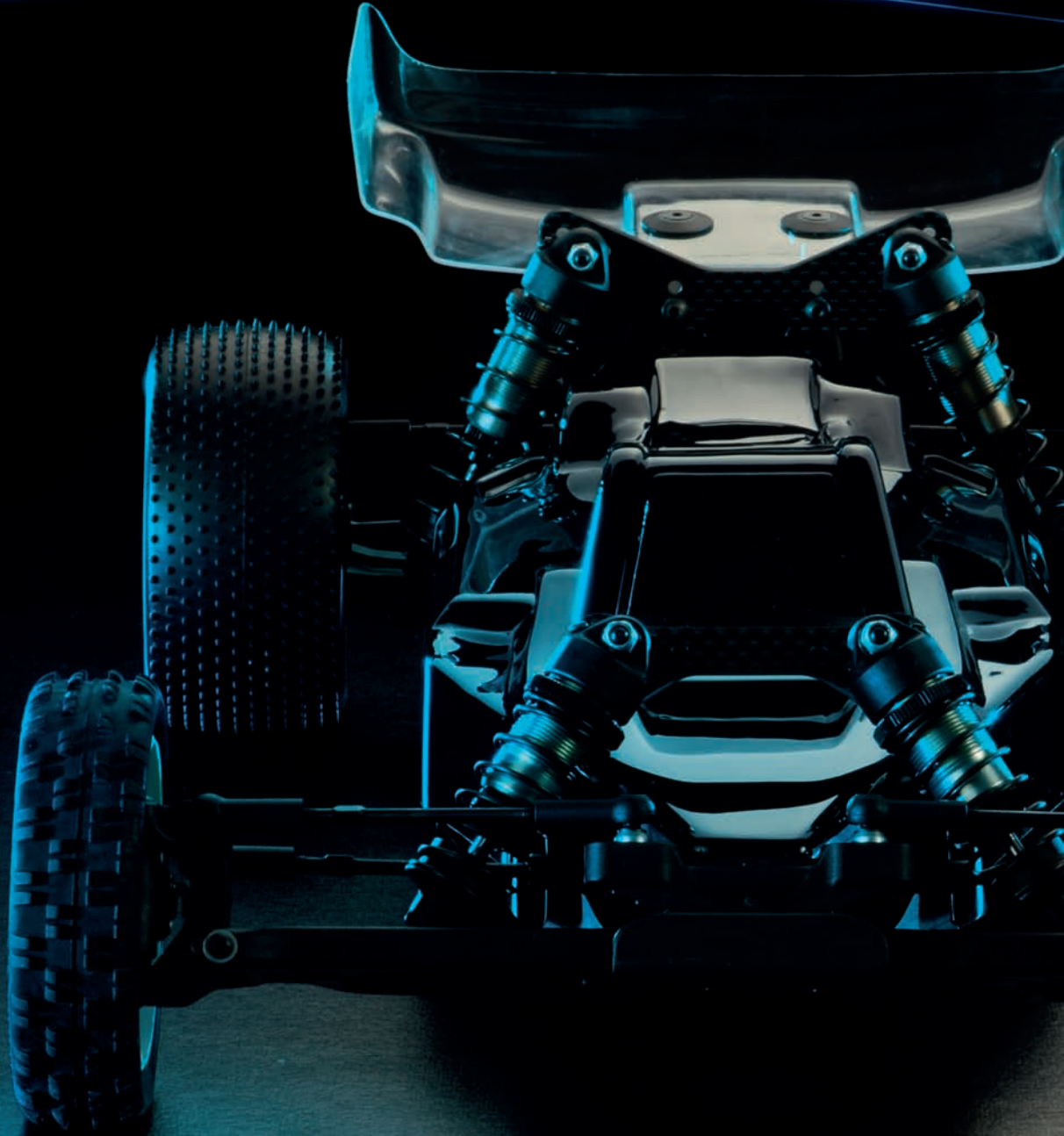


1/10 LUXURY ELECTRIC OFF-ROAD BUGGY 2WD

XRAY XB2



INSTRUCTION MANUAL
FOR XB2C'20 & XB2D'20 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.teamxray.com

XRAY Europe

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91101 Trenčín
Slovakia, EUROPE
Phone: 421-32-7401100
Fax: 421-32-7401109
E-mail: info@teamxray.com

XRAY USA

RC America, 2030 Century Center Blvd #15
Irving, TX 75062
USA
Phone: (214) 744-2400
Fax: (214) 744-2401
E-mail: xray@rcamerica.com

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

SAFETY PRECAUTIONS

Contains:

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

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

CAUTION: CANCER HAZARD

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

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

Take appropriate safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation! Please read the instruction manual before building and operating this model and follow all safety precautions. Always keep the instruction manual at hand for quick

reference, even after completing the assembly. Use only genuine and original authentic XRAY parts for maximum performance. Using any third party parts on this model will void warranty 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 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.

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 short-circuit or overcharging leading to a serious accident. Therefore do not modify the charger.
- Always unplug charger when recharging is finished.
- Do not recharge battery while battery is still warm. After use, battery retains heat. Wait until it cools down before charging.
- Do not allow any metal part to short circuit the receiver batteries or other electrical/electronic device on the model.
- Immediately stop running if your RC model gets wet as may cause short circuit.
- Please dispose of batteries responsibly. Never put batteries into fire.

R/C & BUILDING TIPS

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

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

WARRANTY

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

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

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

All rights reserved.

QUALITY CERTIFICATE

XRAY MODEL RACING CARS uses only the highest quality materials, the best compounds for molded parts and the most sophisticated manufacturing processes of TQM (Total Quality Management). We guarantee that all parts of a newly-purchased kit are manufactured with the highest regard to quality. However, due to the many factors inherent in model racecar competition, we

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

We wish you enjoyment of this high-quality and high-performance RC car and wish you best success on the track!

In line with our policy of continuous product development, the exact specifications of the kit may vary. In the unlikely event of any problems with your new kit, you should contact the model shop where you purchased it, quoting the part number.

We do reserve all rights to change any specification without prior notice. All rights reserved.

SYMBOLS USED

Part bags used 	Assemble in the specified order 	Assemble left and right sides the same way 	Pay attention here 	Assemble as many times as specified (here twice) 	Apply threadlock 	Apply CA glue 	Apply oil
Scale 	Apply grease 	Optional parts 	Ensure smooth non-binding movement 	Tighten screw gently 	Completed assembly 	Detail 	Apply cleaner

TOOLS REQUIRED

Scissors (HUDY #188990) 	Special Tool for turnbuckles, nuts (HUDY #181090) 	Turnbuckle Wrench 3mm (HUDY #181030) 	Pocket Hobby Knife (HUDY #188981) 	Side Cutters (HUDY #189010) 	Combination Pliers (HUDY #189020) 	Professional Multi Tool (HUDY #183011)
Tweezer 	HUDY TOOLS: Allen 1.5mm Socket 5.5mm			Arm Reamer 3.0mm		
	Allen 2.0mm Socket 7.0mm			Reamer (HUDY #107600) or (HUDY #107601)		

EQUIPMENT INCLUDED

HUDY Premium Silicone Oils

Oil 500cSt (#106350) **DIRT**

Oil 450cSt (#106345) **CARPET**

Oil 550cSt (#106355)

Oil 5.000cSt (#106450)

Graphite Grease (HUDY #106210)

NOT INCLUDED

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.

SAMPLE OF OPTIONAL PARTS	
#32XXXX	OPTION 1
#32XXXX	OPTION 2
#32XXXX	INCLUDED
#32XXXX	OPTION 3

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

EQUIPMENT REQUIRED

Transmitter 	Receiver 	Steering Servo 	Electric Motor & Pinion Gear with Setscrew 	Bearing Oil (HUDY #106230) 	CA glue
Speed Controller 	LiPo Battery 	Lexan™ Paint 	Battery Charger 	Double-sided Tape (HUDY #107875) 	Tires & Inserts

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.

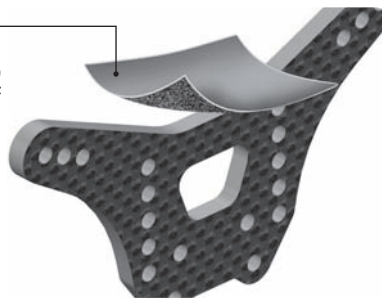
TIP GRAPHITE PARTS PROTECTION

Protect all Graphite Parts:

- Front shock tower
- Rear shock tower

Fine sandpaper

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

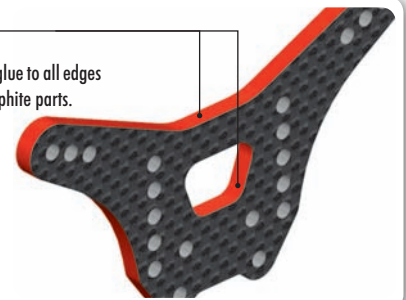


SHOCK TOWER PROTECTION

Please follow the Instruction Manual and seal the edges of the shock tower with CA to reinforce them and help prevent delamination.



Apply CA glue to all edges of the graphite parts.



MANUAL STEPS ONLY FOR DIRT

1. BALL DIFFERENTIAL **DIRT**

BAG 01

MANUAL STEPS ONLY FOR CARPET

1. GEAR DIFFERENTIAL **CARPET**

BAG 01

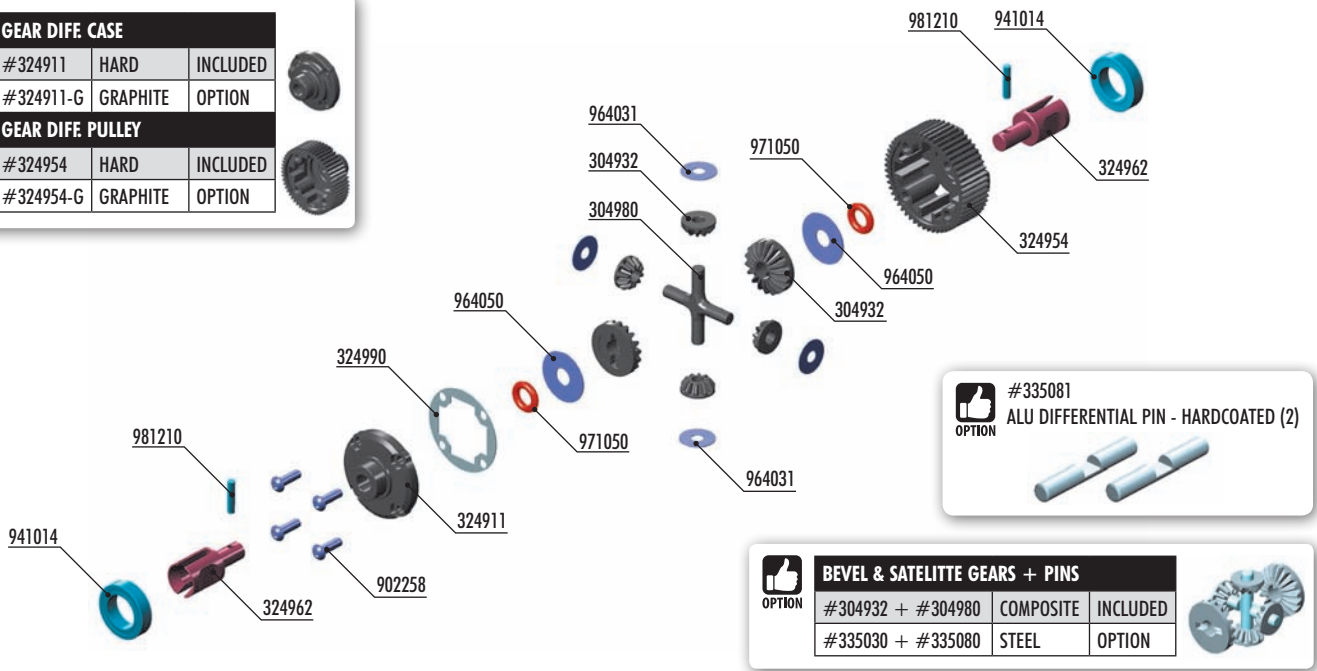
MANUAL DUAL STEPS FOR CARPET AND DIRT

3. REAR DRIVETRAIN **CARPET** **DIRT**

1. GEAR DIFFERENTIAL



GEAR DIFE CASE		
#324911	HARD	INCLUDED
#324911-G	GRAPHITE	OPTION
GEAR DIFE PULLEY		
#324954	HARD	INCLUDED
#324954-G	GRAPHITE	OPTION



#335081
OPTION
 ALU DIFFERENTIAL PIN - HARDCOATED (2)

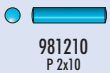
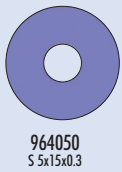
#335030 + #335080
OPTION
BEVEL & SATELLITE GEARS + PINS

Part Number	Material	Status
#304932 + #304980	COMPOSITE	INCLUDED
#335030 + #335080	STEEL	OPTION

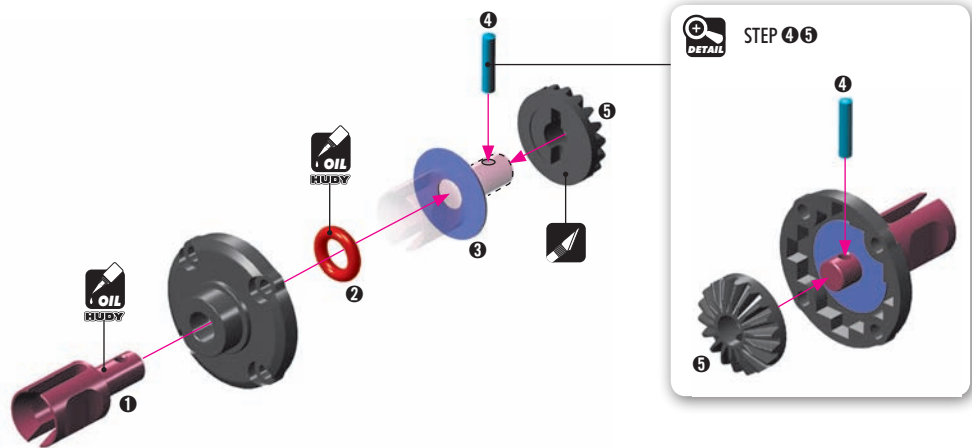


- 304932 GRAPHITE GEAR DIFE BEVEL & SATELLITE GEARS (2+4)
- 304980 COMPOSITE GEAR DIFE CROSS PIN
- 324990 DIFE GASKET (4)
- 324902 GEAR DIFE DIFFERENTIAL - LCG - SET
- 324911 COMPOSITE GEAR DIFE DIFFERENTIAL COVER - LCG
- 324954 COMPOSITE GEAR DIFE DIFFERENTIAL CASE - LCG - 53T
- 324962 GEAR DIFE OUTDRIVE ADAPTER - LCG - HUDY SPRING STEEL™ (2)

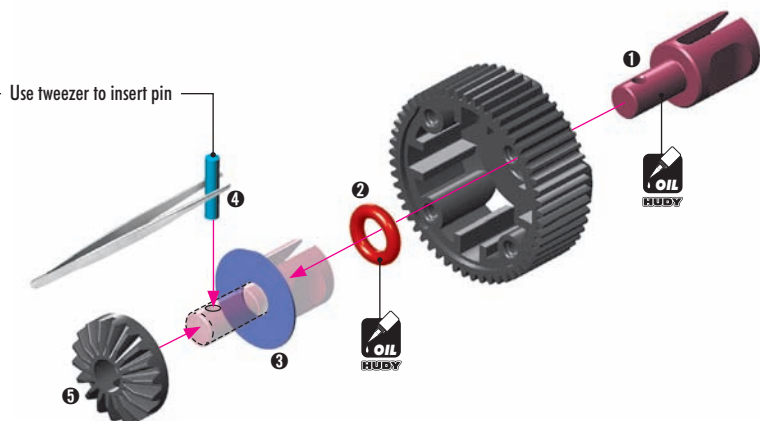
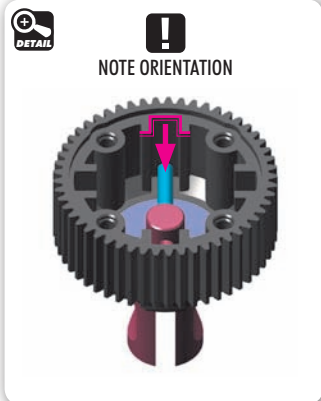
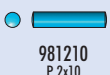
- 902258 HEX SCREW SH M2.5x8 (10)
- 941014 BALL-BEARING 10x15x4 RUBBER SEALED - GREASE (2)
- 964031 WASHER S 3.5x10x0.2 (10)
- 964050 WASHER S 5x15x0.3 (10)
- 971050 SILICONE O-RING 5x1.5 (10)
- 981210 PIN 2x10 (10)



2x

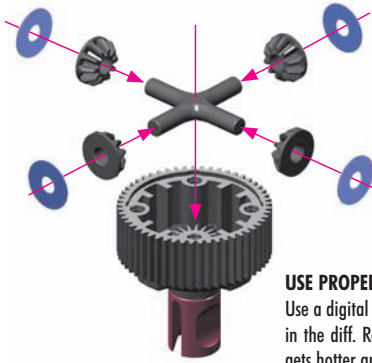


STEP 4 5





964031
S 3.5x10x0.2



USE PROPER AMOUNT OF OIL IN THE DIFFS

Use a digital scale to measure the exact amount of oil in the diff. Remember that during operation the diff gets hotter and the heat may allow the oil to expand. If there is too much oil inside it may interfere with the diff operation and damage the internal gears.



Rear diff

Silicone oil **5.000cSt**
Fill just above the diff pin.



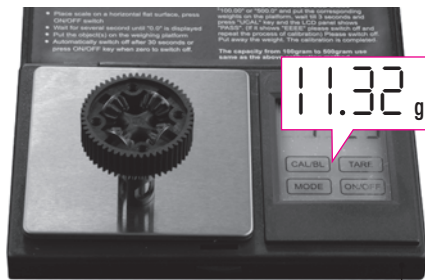
Fill differential up to the top of the diff pin.



DO NOT fill the diff to the top of the housing.



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



1 Put the diff (without oil) on the scale and check the weight (approximately 11.32g)

$$11.32g + 1.58g = 12.90g$$

#107865
HUDY Ultimate Digital Pocket Scale 300g ± 0.01g



2 Slowly pour oil into the diff and watch the weight. Add 1.58g of oil into the diff. The approximate weight of the diff including oil is 12.90g.

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.



HUDY ULTIMATE SILICONE OILS

#106420	2.000cSt - 50ml	OPTION
#106430	3.000cSt - 50ml	OPTION
#106450	5.000cSt - 50ml	INCLUDED
#106460	6.000cSt - 50ml	OPTION
#106470	7.000cSt - 50ml	OPTION
#106480	8.000cSt - 50ml	OPTION
#106510	10.000cSt - 50ml	OPTION

SET-UP BOOK

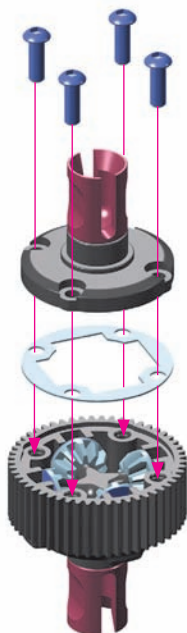
DIFFERENTIAL OIL



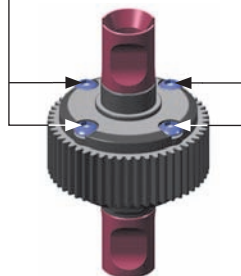
902258
SH M2.5x8



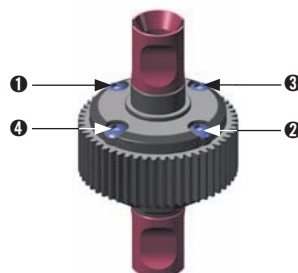
941014
BB 10x15x4



Tighten the screws equally but do NOT tighten them completely.



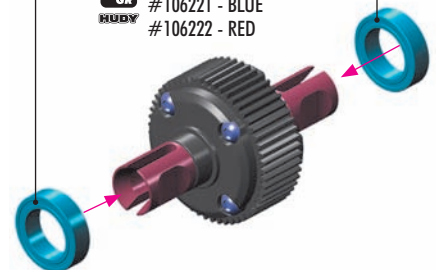
Finish tightening in this order.



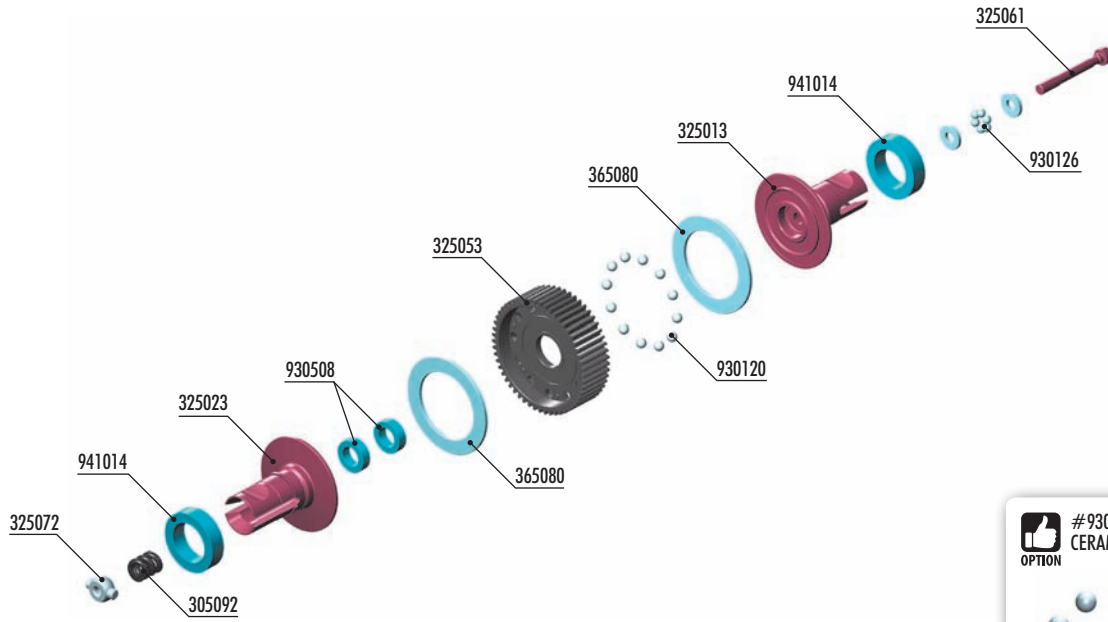
Use HUDY Ball-Bearing Grease



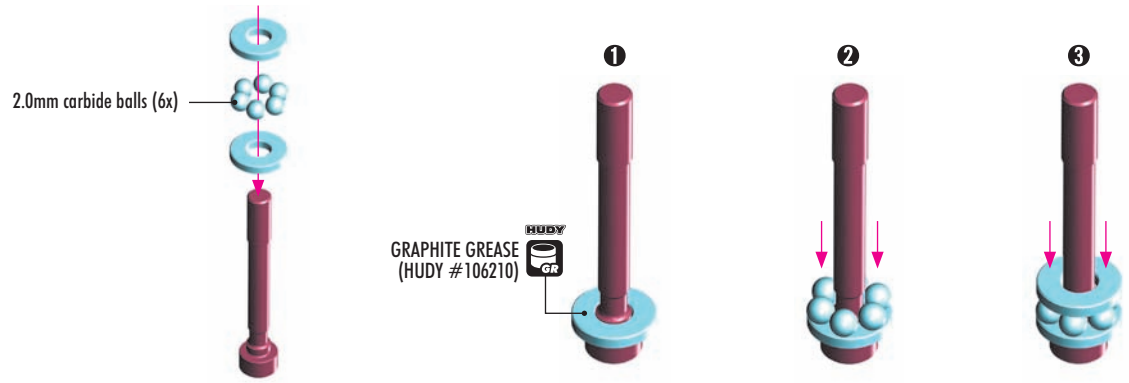
- #106220 - STANDARD
- #106221 - BLUE
- #106222 - RED



1. BALL DIFFERENTIAL



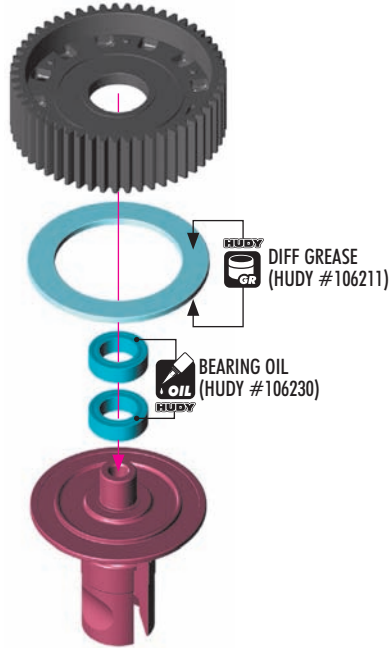
305092	BALL DIFFERENTIAL SPRING	325072	ALU BALL DIFFERENTIAL NUT
325003	BALL ADJUSTABLE DIFFERENTIAL - LCG - SET - HUDY SPRING STEEL™	365080	DIFF WASHER 17 x 24.5 x 1 (2)
325013	BALL DIFFERENTIAL SHORT OUTPUT SHAFT - LCG - HUDY SPRING STEEL™	930120	CARBIDE BALL 2.4MM FOR BALL DIFF (12)
325023	BALL DIFFERENTIAL LONG OUTPUT SHAFT - LCG - HUDY SPRING STEEL™	930126	CARBIDE BALL-BEARING AXIAL 2.6x6x1
325053	COMPOSITE BALL DIFFERENTIAL GEAR 53T	930508	BALL-BEARING 5x8x2.5 STEEL SEALED - OIL (2)
325061	SCREW FOR BALL DIFF ADJUSTMENT - SPRING STEEL™	941014	BALL-BEARING 10x15x4 RUBBER SEALED - GREASE (2)



1. BALL DIFFERENTIAL

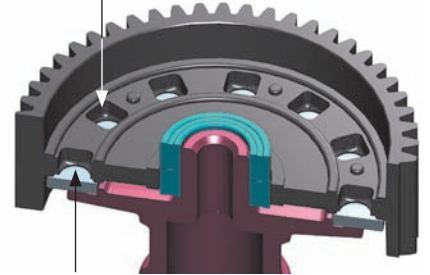


930508
BB 5x8x2.5



NOTE ORIENTATION

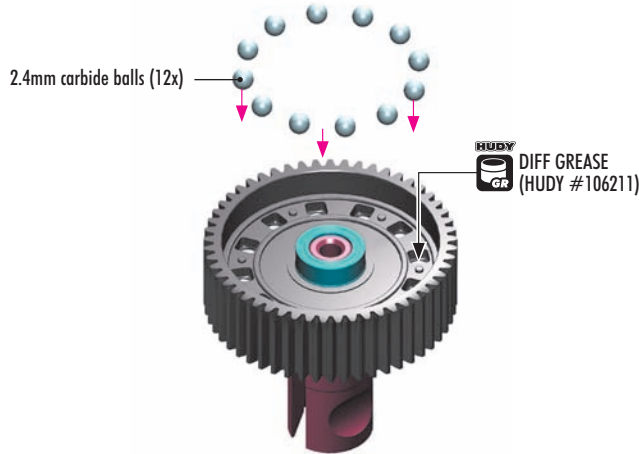
☐ Square shape orientation on TOP side.



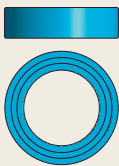
○ Round shape orientation on BOTTOM side.



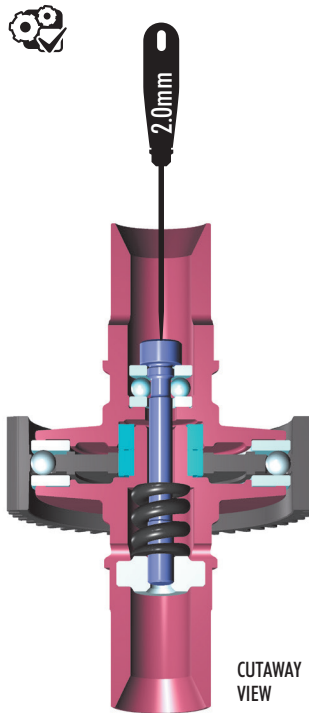
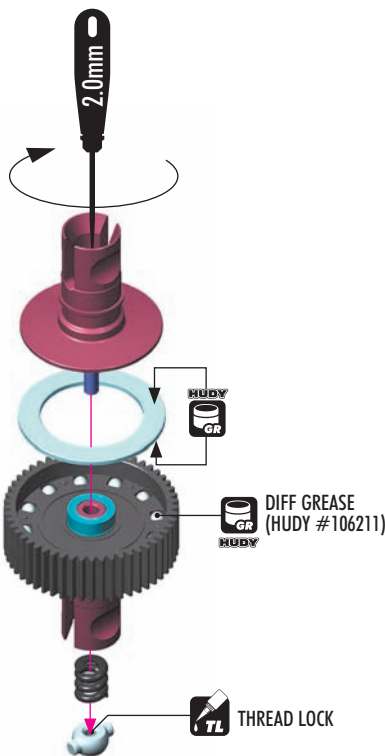
930120
B 2.4



#930220
CERAMIC BALL 2.4MM (12)
OPTION

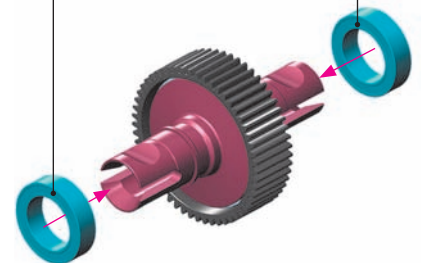


941014
BB 10x15x4



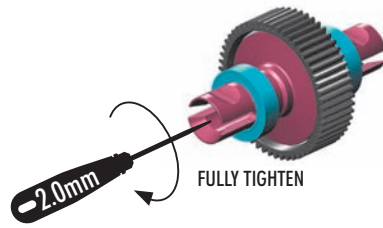
Use HUDDY Ball-Bearing Grease

- #106220 - STANDARD
- #106221 - BLUE
- #106222 - RED

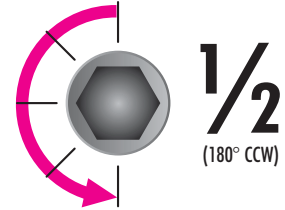
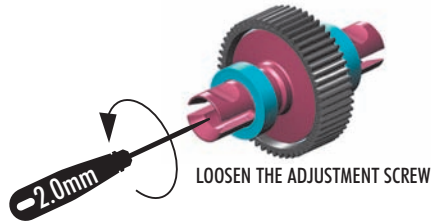


! BEFORE RACING, follow these steps to properly break in the differential.

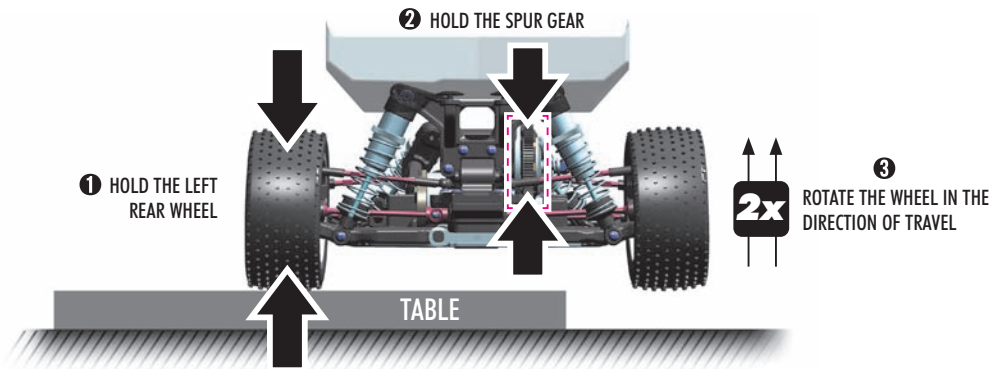
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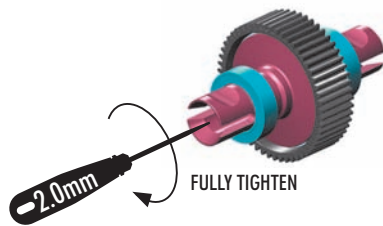
2 Loosen the adjustment screw 1/2 turn (180° CCW).



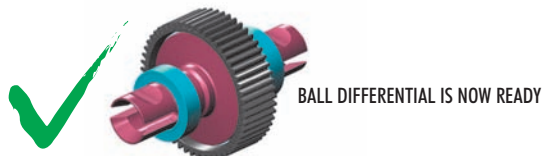
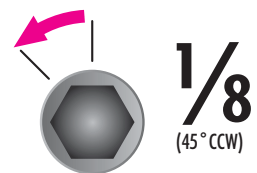
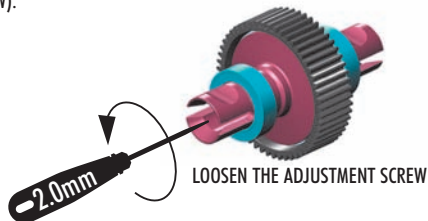
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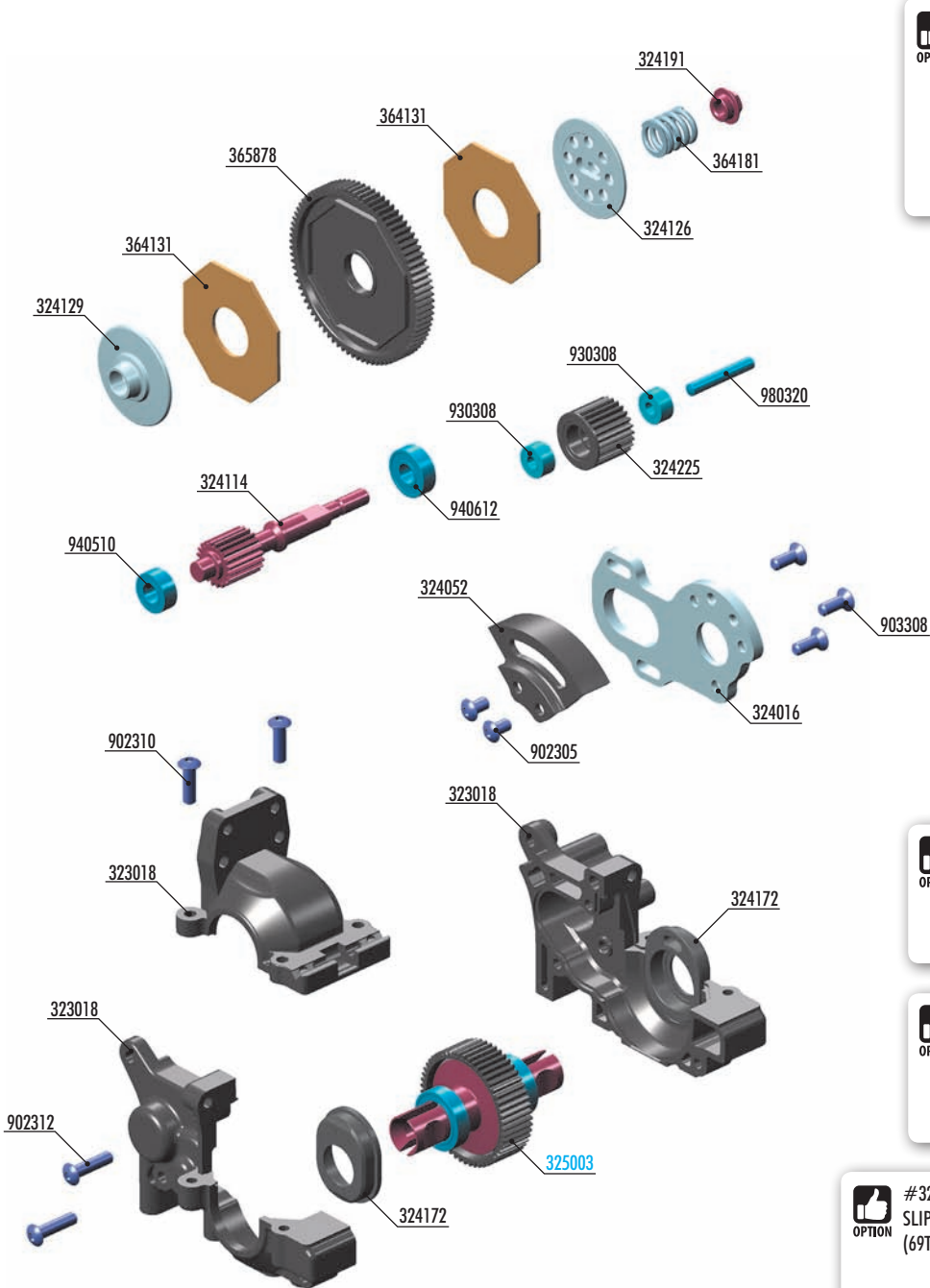


4



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





#323018-G
OPTION REAR MOTOR GEAR BOX - LCG - GRAPHITE

#980320-T
OPTION Titan Pin 3x20 (2)

OPTION **SLIPPER CLUTCH SPUR GEARS**

Part Number	Specification	Status
#365875	75T / 48	OPTION
#365878	78T / 48	INCLUDED
#365881	81T / 48	OPTION

OPTION **#324101**
 SLIPPER ELIMINATOR - SET
 (69T / 48 SPUR GEAR)

OPTION **#325872**
 SLIPPER ELIMINATOR
 SPUR GEAR 72T / 48

BAG
02

- 323018 COMPOSITE REAR MOTOR GEAR BOX - LCG - SET
- 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
- 324129 ALU 2-PAD SLIPPER CLUTCH PLATE WITH ADAPTER - LCG
- 324172 COMPOSITE ADJUSTMENT BALL-BEARING HUB (2)
- 324191 STEEL SLIPPER CLUTCH NUT - HUDY SPRING STEEL™
- 324225 COMPOSITE GEAR 25T - GRAPHITE
- 364131 SLIPPER CLUTCH PAD "SLS" - V2 (2)
- 364181 SLIPPER CLUTCH SPRING C=45 - BLACK
- 365878 COMPOSITE 3-PAD SLIPPER CLUTCH SPUR GEAR 78T / 48

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

- 903308 HEX SCREW SFH M3x8 (10)
- 930308 BALL-BEARING 3x8x4 STEEL SEALED - OIL (2)
- 940510 BALL-BEARING 5x10x4 RUBBER SEALED - OIL (2)
- 940612 BALL-BEARING 6x12x4 RUBBER SEALED - OIL (2)
- 980320 PIN 3x20 (10)

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

930308
BB 3x8x4

940612
BB 6x12x4

980320
P 3x20

BEARING OIL (HUDY #106230)

Bearing with BLUE rubber covers

6x12x4mm

GRAPHITE GREASE (HUDY #106210)

3x8x4mm

3x8x4mm

NOTE ORIENTATION

#980320-T
OPTION Titan Pin 3x20 (2)

902312
SH M3x12

940510
BB 5x10x4

BEARING OIL (HUDY #106230)

Bearing with BLUE rubber covers

5x10x4mm

902312 SH M3x12

#323018-G
OPTION REAR MOTOR GEAR BOX - LCG - GRAPHITE

902310
SH M3x10

DIFFERENTIAL HEIGHT ADJUSTMENT

HIGHEST	HIGHER	MIDDLE	1 dots	2 dots	3 dots
3 dots	2 dots	1 dots	MIDDLE	LOWER	LOWEST

INITIAL SETTING

2x

3 dots

LOWEST

Dots must have same orientation on each side (dots up or down)

NOTE ORIENTATION

GRAPHITE GREASE (HUDY #106210)

DIFF. NOTE ORIENTATION

CLICK

LEFT RIGHT

FRONT REAR

Ball differential must always be oriented with the screw on the right side. If the ball differential is oriented with the screw on the left side, the ball diff will become loose when the car is running.

2. REAR TRANSMISSION

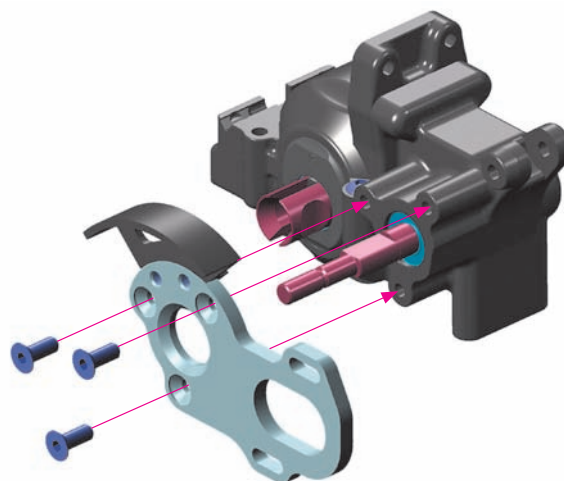
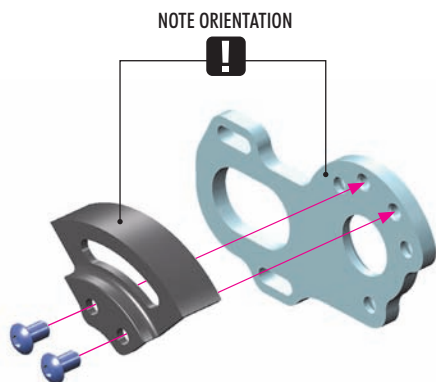
DIRT



902305
SH M3x5



903308
SFH M3x8

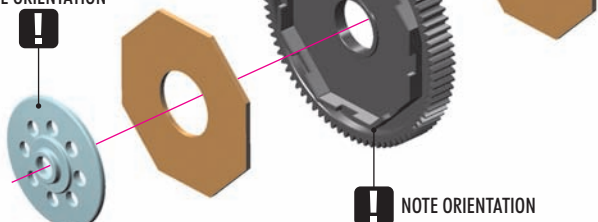


OPTION #324101
SLIPPER ELIMINATOR - SET
(69T / 48 SPUR GEAR)

OPTION #325872
SLIPPER ELIMINATOR
SPUR GEAR 72T / 48

NOTE ORIENTATION

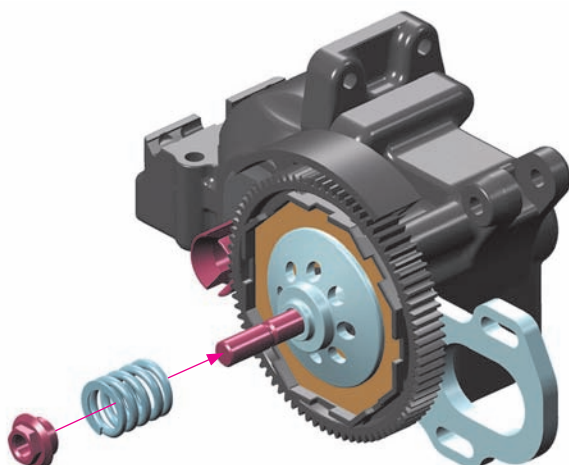
NOTE ORIENTATION



NOTE ORIENTATION

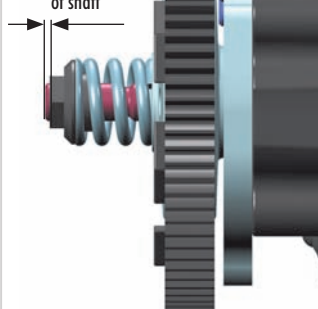
OPTION **SLIPPER CLUTCH SPUR GEARS**

#365875	75T / 48	OPTION
#365878	78T / 48	INCLUDED
#365881	81T / 48	OPTION



DETAIL

INITIAL SETTING
Flush with end
of shaft



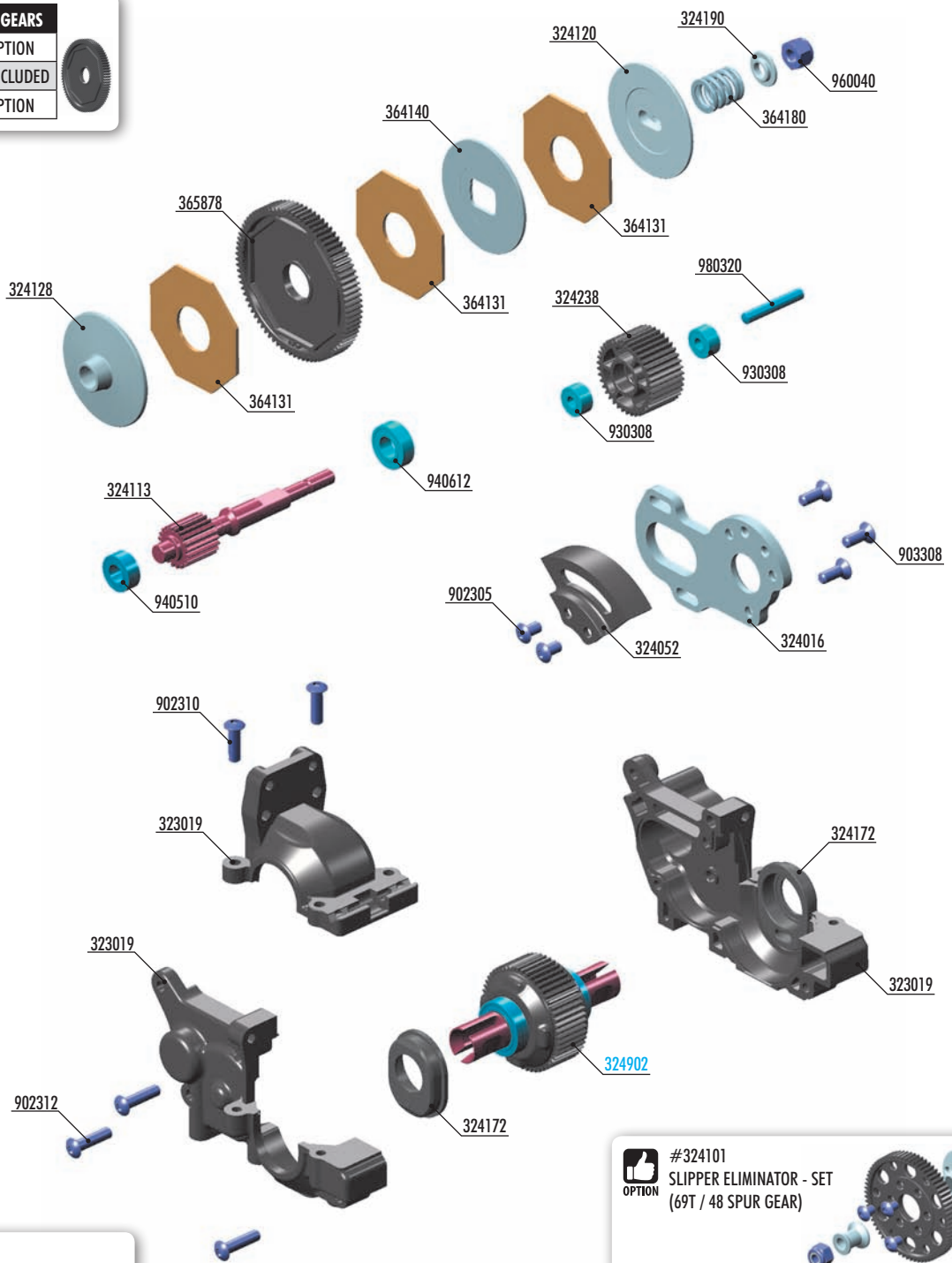
2. REAR TRANSMISSION

CARPET



SLIPPER CLUTCH SPUR GEARS

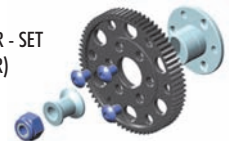
#365875	75T / 48	OPTION
#365878	78T / 48	INCLUDED
#365881	81T / 48	OPTION



#323019-G
FRONT MOTOR GEAR BOX - LCG - GRAPHITE



#324101
SLIPPER ELIMINATOR - SET
(69T / 48 SPUR GEAR)



#325872
SLIPPER ELIMINATOR
SPUR GEAR 72T / 48



BAG

02

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

- 902305 HEX SCREW SH M3x5 (10)
- 902310 HEX SCREW SH M3x10 (10)
- 902312 HEX SCREW SH M3x12 (10)
- 903308 HEX SCREW SFH M3x8 (10)
- 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)
- 980320 PIN 3x20 (10)

324902 GEAR DIFFERENTIAL - LCG - SET

930308
BB 3x8x4

940612
BB 6x12x4

980320
P 3x20

BEARING OIL (HUDY #106230)

Graphite GREASE (HUDY #106210)

BEARING OIL (HUDY #106230)

Bearing with BLUE rubber covers

6x12x4mm

3x8x4mm

902312
SH M3x12

940510
BB 5x10x4

BEARING OIL (HUDY #106230)

Bearing with BLUE rubber covers

#323019-G
OPTION
FRONT MOTOR GEAR BOX - LCG - GRAPHITE

902310
SH M3x10

DIFFERENTIAL HEIGHT ADJUSTMENT

2x HIGHEST	HIGHER	MIDDLE	1 dots	2 dots	3 dots
3 dots	2 dots	1 dots	MIDDLE	LOWER	LOWEST

INITIAL SETTING

L=R

NOTE ORIENTATION

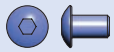
Dots must have same orientation on each side (dots up or down)

"CLICK"

GRAPHITE GREASE (HUDY #106210)

NOTE ORIENTATION

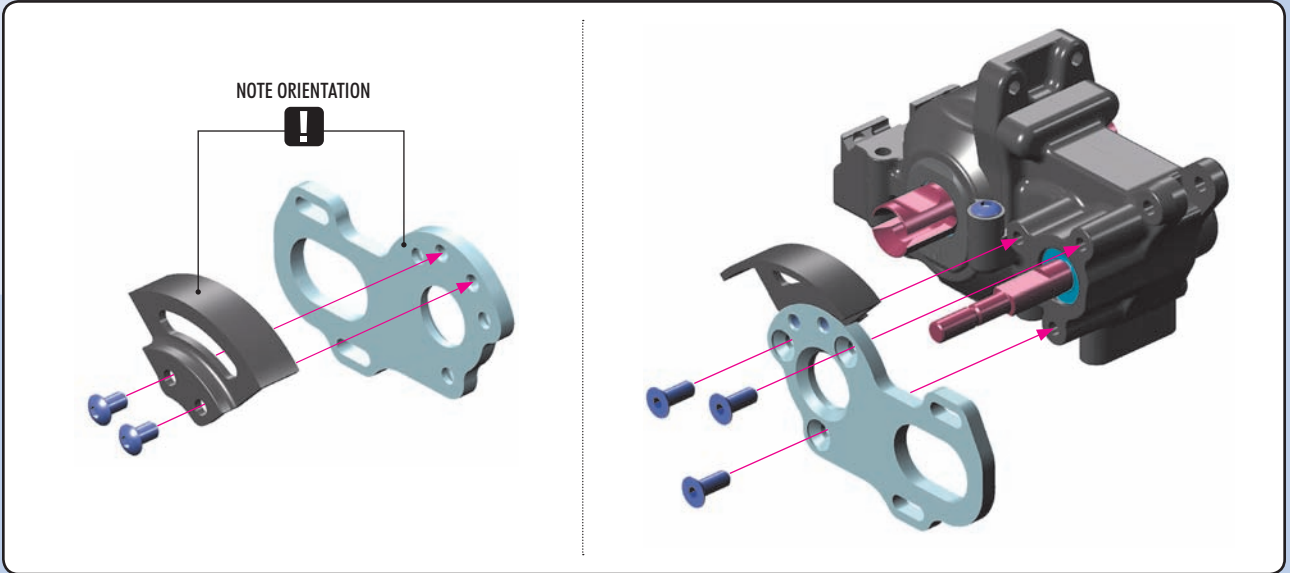
L=R



902305
SH M3x5



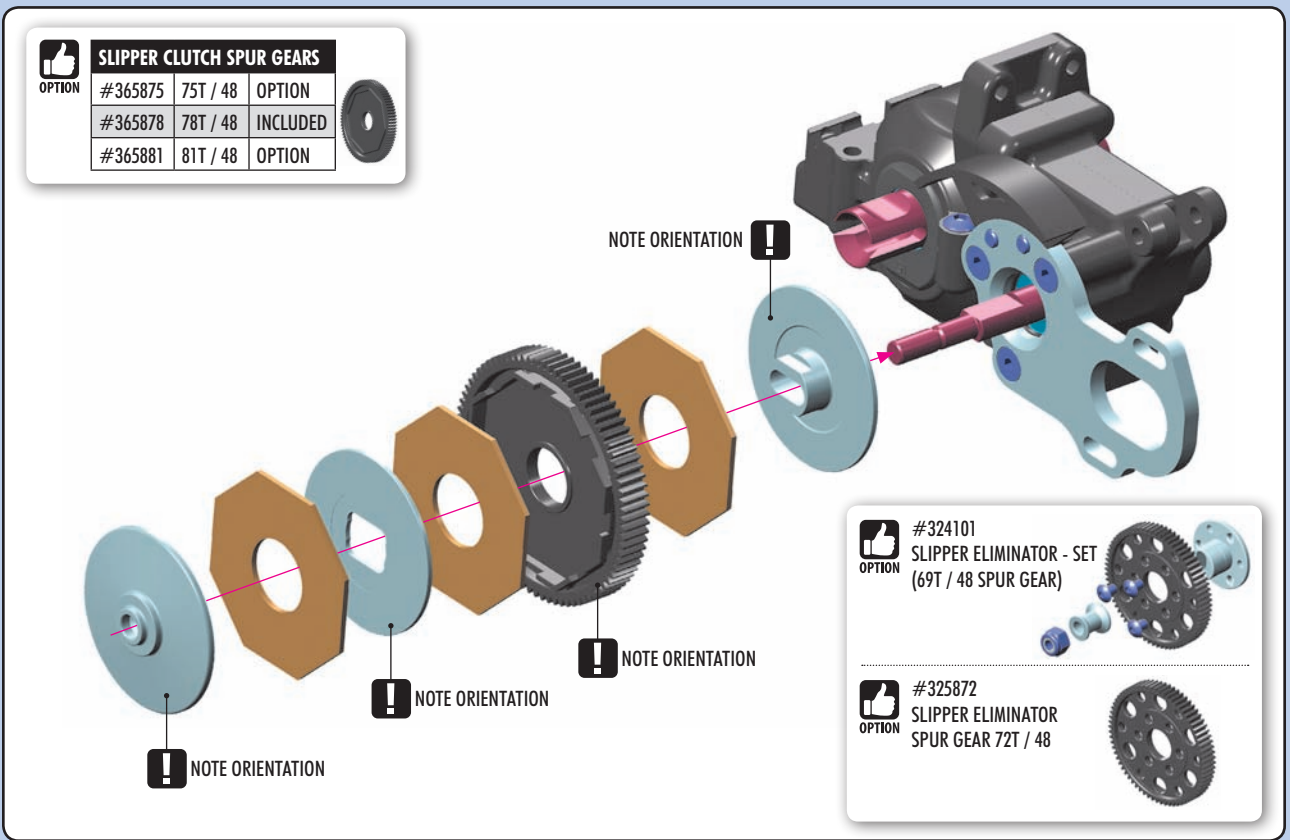
903308
SFH M3x8



OPTION

SLIPPER CLUTCH SPUR GEARS

#365875	75T / 48	OPTION
#365878	78T / 48	INCLUDED
#365881	81T / 48	OPTION



OPTION

#324101
SLIPPER ELIMINATOR - SET
(69T / 48 SPUR GEAR)

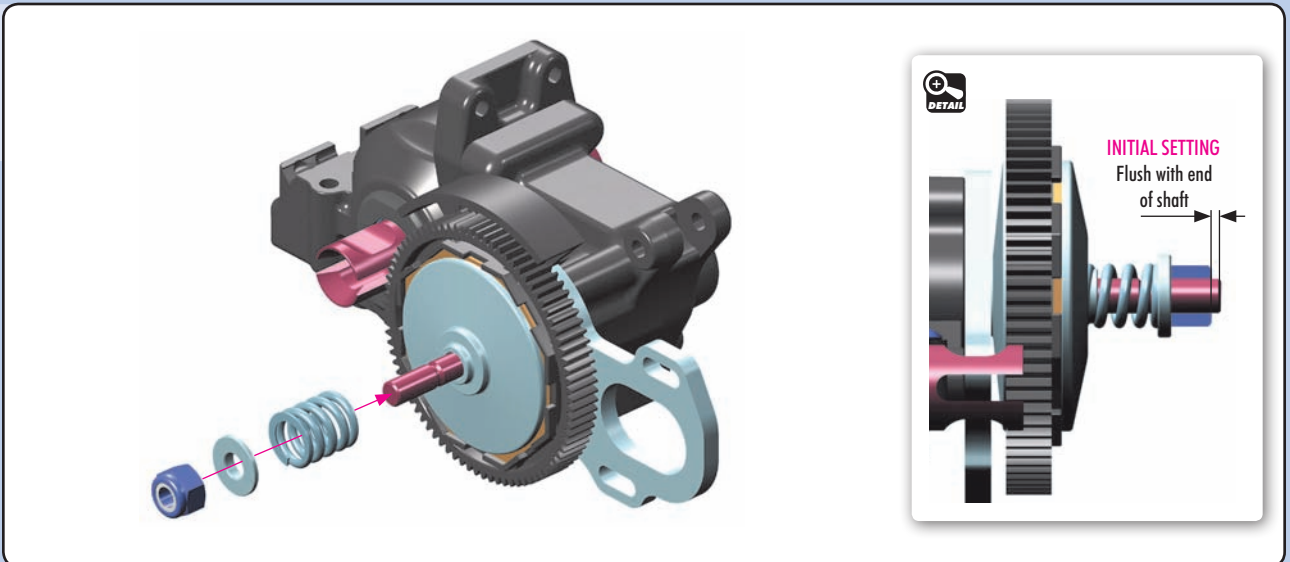


OPTION

#325872
SLIPPER ELIMINATOR
SPUR GEAR 72T / 48

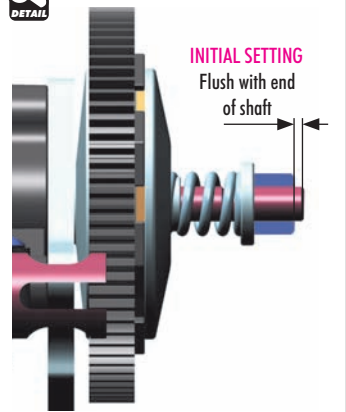


960040
N M4



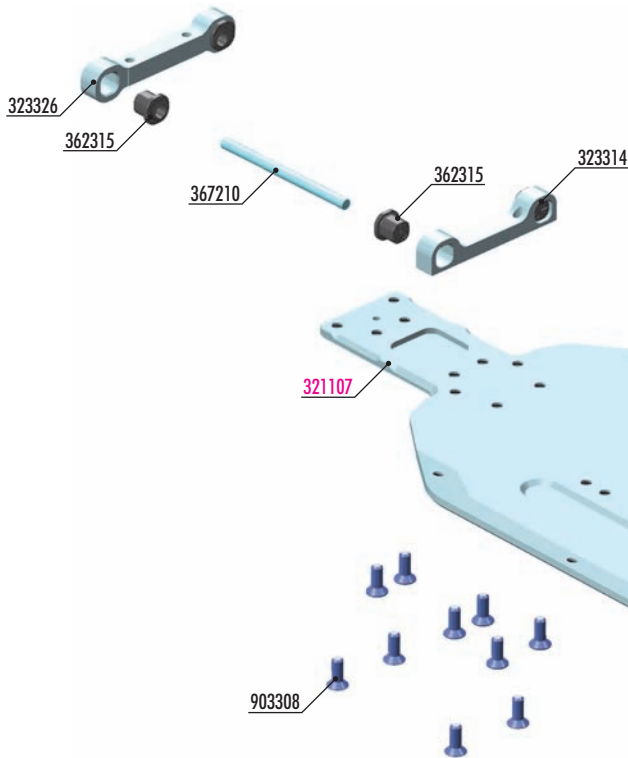
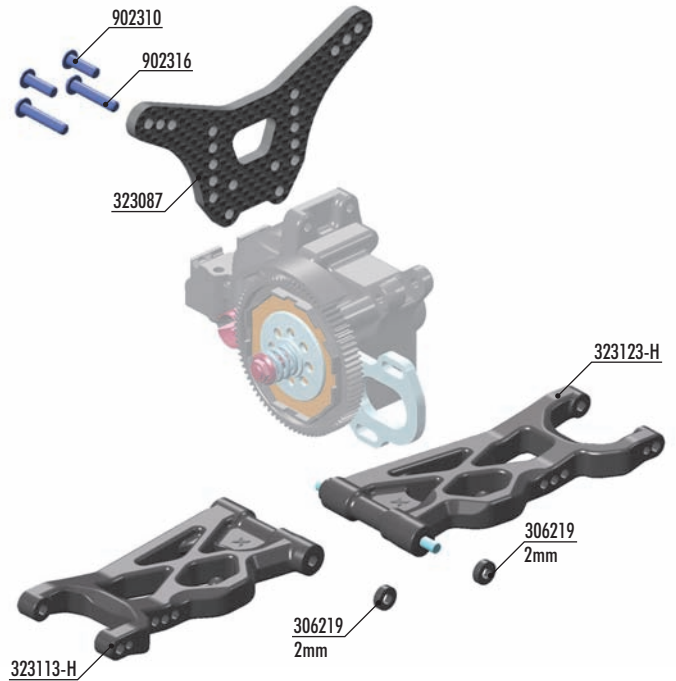
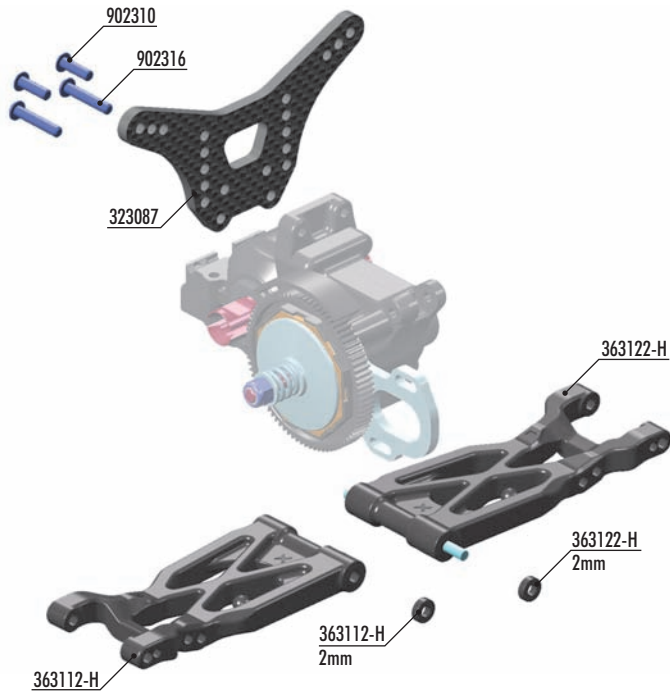
DETAIL

INITIAL SETTING
Flush with end
of shaft



GEAR BOX for **CARPET** FRONT MOTOR POSITION

GEAR BOX for **DIRT** REAR MOTOR POSITION



XB2 CHASSIS		
OPTION	#321107	MID INCLUDED
	#321108	LONG OPTION
	#321109	SHORT OPTION



BAG

03

- 323087 GRAPHITE SHOCK TOWER - 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)
- 363520 REAR WING POST (2)
- 367210 REAR SUSPENSION PIVOT PIN (2)
- 902310 HEX SCREW SH M3x10 (10)
- 902316 HEX SCREW SH M3x16 (10)
- 903308 HEX SCREW SFH M3x8 (10)

321107 XB2 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

DIRT

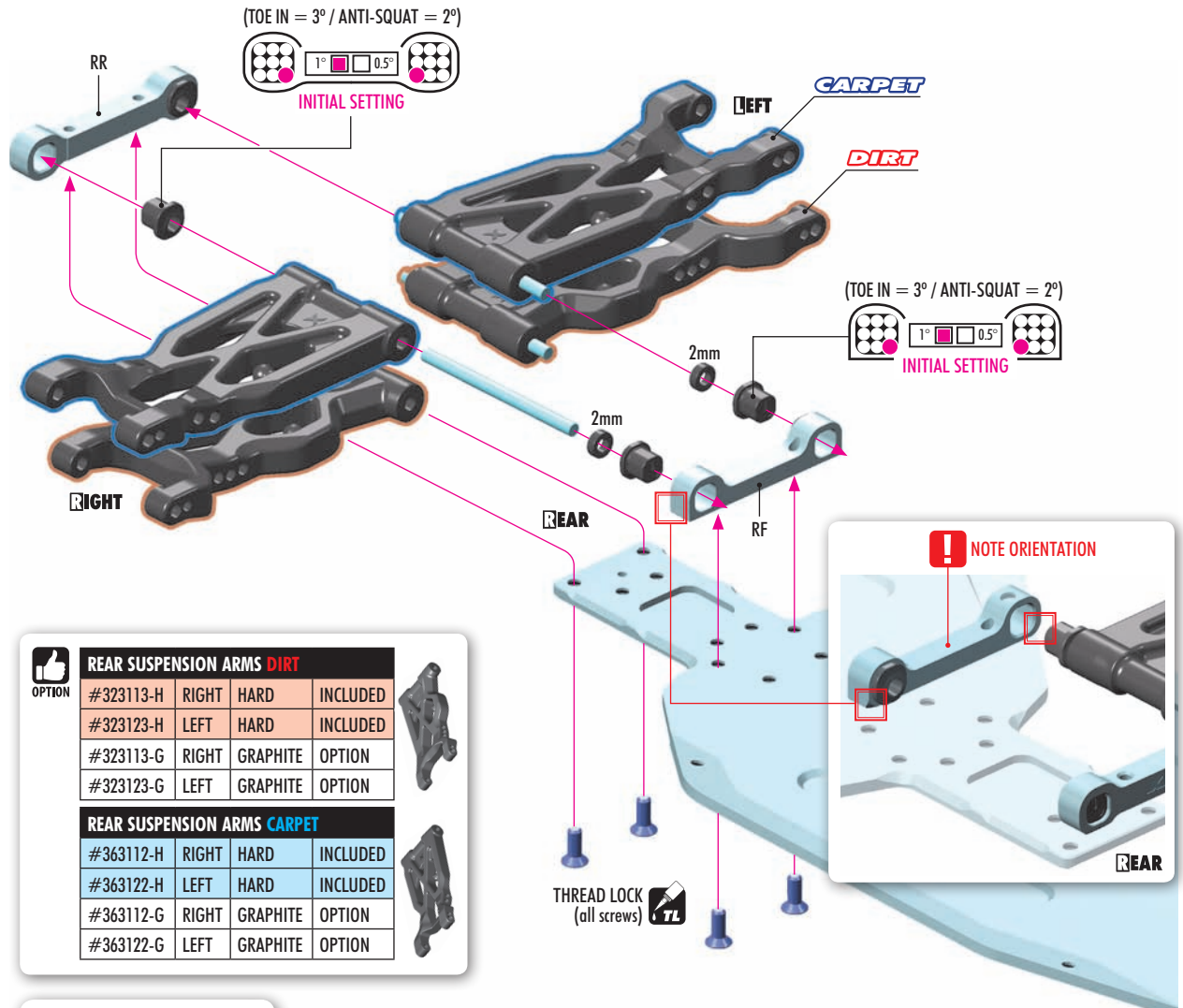
- 306219 COMPOSITE SET OF SHIMS (4)
- 323113-H SUSPENSION ARM DISENGAGED REAR LOWER RIGHT - HARD
- 323123-H SUSPENSION ARM DISENGAGED REAR LOWER LEFT - HARD

3. REAR SUSPENSION **CARPET** **DIRT**

IO
From Rear Arm
SHIM 3x6.5x2
CARPET

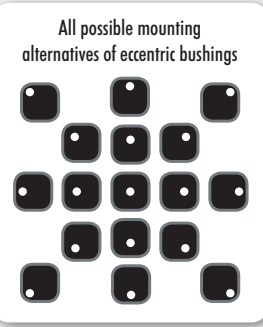
IO
306219
SHIM 3x6x2
DIRT

903308
SFH M3x8



REAR SUSPENSION ARMS DIRT			
#323113-H	RIGHT	HARD	INCLUDED
#323123-H	LEFT	HARD	INCLUDED
#323113-G	RIGHT	GRAPHITE	OPTION
#323123-G	LEFT	GRAPHITE	OPTION

REAR SUSPENSION ARMS CARPET			
#363112-H	RIGHT	HARD	INCLUDED
#363122-H	LEFT	HARD	INCLUDED
#363112-G	RIGHT	GRAPHITE	OPTION
#363122-G	LEFT	GRAPHITE	OPTION



ECCENTRIC BUSHINGS HAVE TWO DIFFERENT OFFSETS FROM THE CENTER.

Middle position = 0.5° or 0.375mm from center.

Outer position = 1° or 0.75mm from center.



SET-UP BOOK
TOE-IN
ANTI-SQUAT
ROLL CENTER
TRACK-WIDTH

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).

ANTI-SQUAT			ROLL CENTER			TRACK-WIDTH			TOE-IN		
RR	RF	(°)	RR	RF	(mm)	RR	RF	(mm)	RR	RF	(°)
□	□	= 2°	□	□	= +0.75mm	□	□	= +1.5mm	□	□	= -3°
□	□	= 3°	□	□	= 0mm	□	□	= 0mm	□	□	= 4°
□	□	= 1°	□	□	= -0.75mm	□	□	= -1.5mm	□	□	= 2°
□	□	= 3°							□	□	= 2°
□	□	= 2°							□	□	= 3°
□	□	= 4°							□	□	= 1°
□	□	= 1°							□	□	= 4°
□	□	= 2°							□	□	= 5°
□	□	= 0°							□	□	= 3°

The track-width is directly influenced by the size of the wheels and tires used.

The tables describe the amounts of adjustment using the center and outside positions of the eccentric bushings. The middle position eccentric bushings allow for finer adjustment increments.

Example:

0(RR) - 0 (RF) = 2° = 2°

0(RR) - 0.5 (RF) = 2.5° = 2.5°

0(RR) - 1 (RF) = 3° = 3°

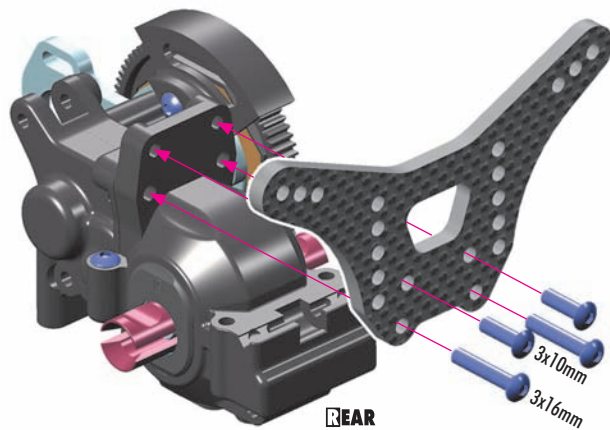
3. REAR SUSPENSION **CARPET** **DIRT**



902310
SH M3x10



902316
SH M3x16



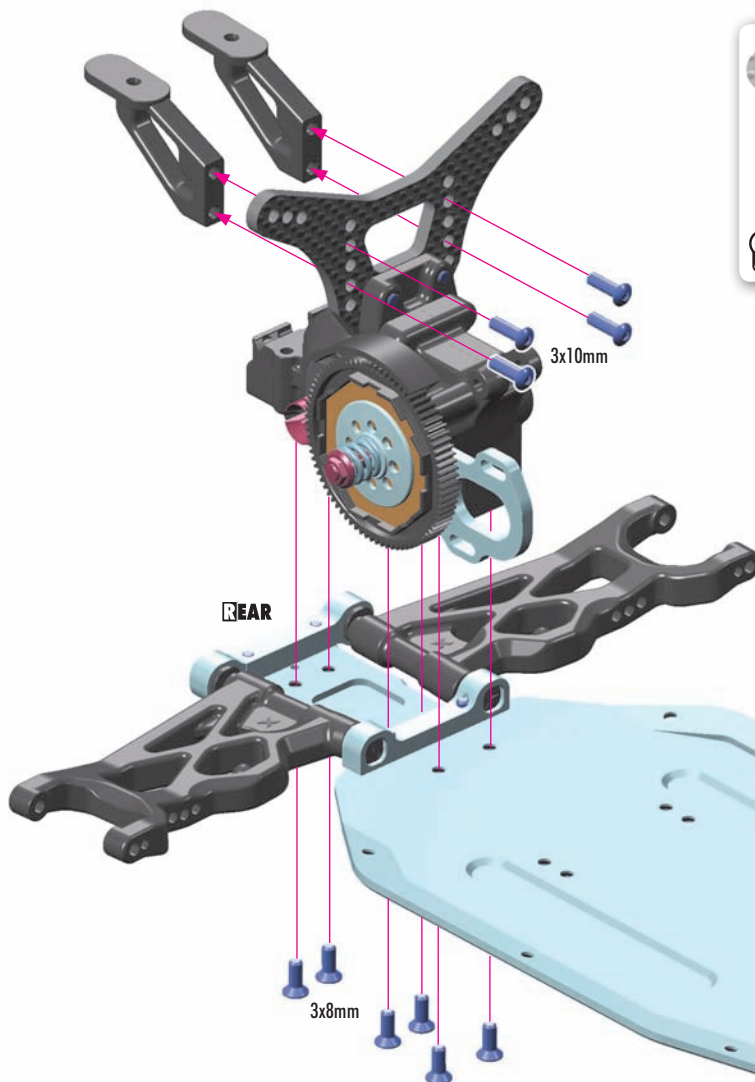
#323088
ALU REAR SHOCK TOWER



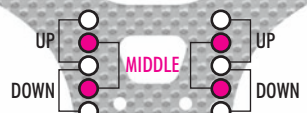
902310
SH M3x10

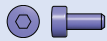


903308
SFH M3x8

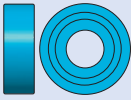


WING POSITION
INITIAL SETTING





902205
SH M2x5



940513
BB 5x12x4

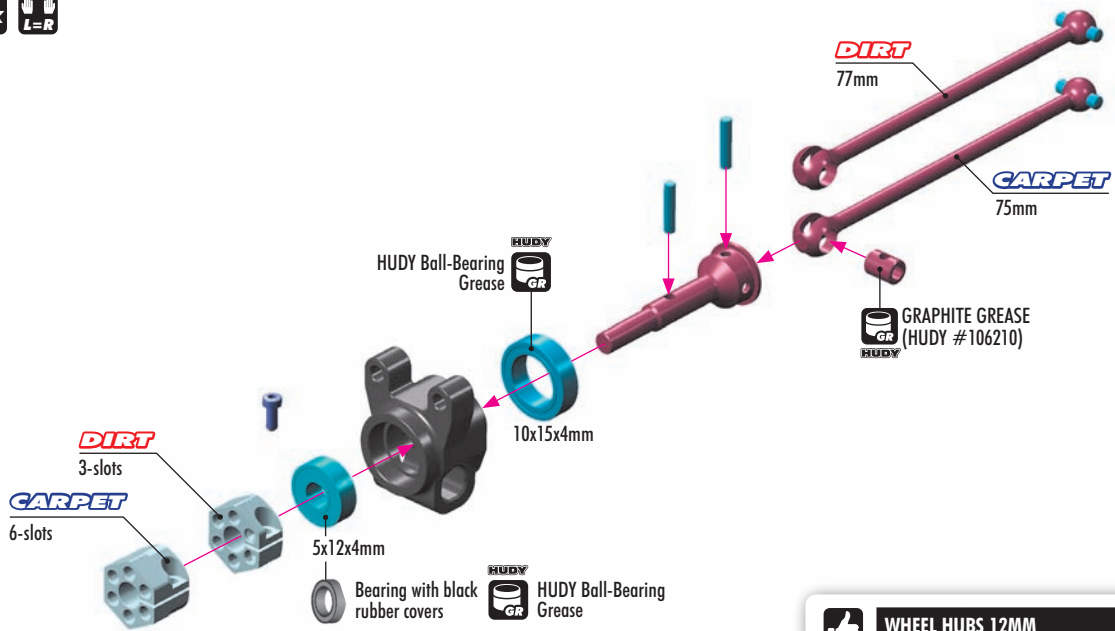


941014
BB 10x15x4



980210
P 2x10

2x L=R



OPTION #305231
DRIVE SHAFT COUPLING
HUDY SPRING STEEL

OPTION #325341
REAR ADJUSTABLE DRIVE AXLE LB
HUDY SPRING STEEL™

OPTION #325390
ALU SHIM 10x12x2MM (2)

OPTION XRAY BALL-BEARING

#940512	5x12x4	OIL	OPTION
#941015	10x15x4	OIL	OPTION
#940513	5x12x4	GREASE	INCLUDED
#941014	10x15x4	GREASE	INCLUDED

OPTION REAR UPRIGHTS

#323354-H	HARD	INCLUDED
#323354-G	GRAPHITE	OPTION
#323355	ALU	OPTION

OPTION WHEEL HUBS 12MM

#365360	+4.5mm	- 6 slots	INCLUDED
#365359	+3.75mm	- 5 slots	OPTION
#365358	+3.0mm	- 4 slots	OPTION
#365357	+2.25mm	- 3 slots	INCLUDED
#365356	+1.5mm	- 2 slots	OPTION
#365355	+0.75mm	- 1 slot	OPTION
#365353	0mm	- 0 slots	OPTION
#365354	-0.75mm	- Lightw.	OPTION
#365361	-1.25mm	- Lightw.	OPTION

OPTIONAL HEX HUB EFFECTS

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

LESS OFFSET	MORE OFFSET
Rear - more traction	Rear - less traction
Front - more steering	Front - less steering

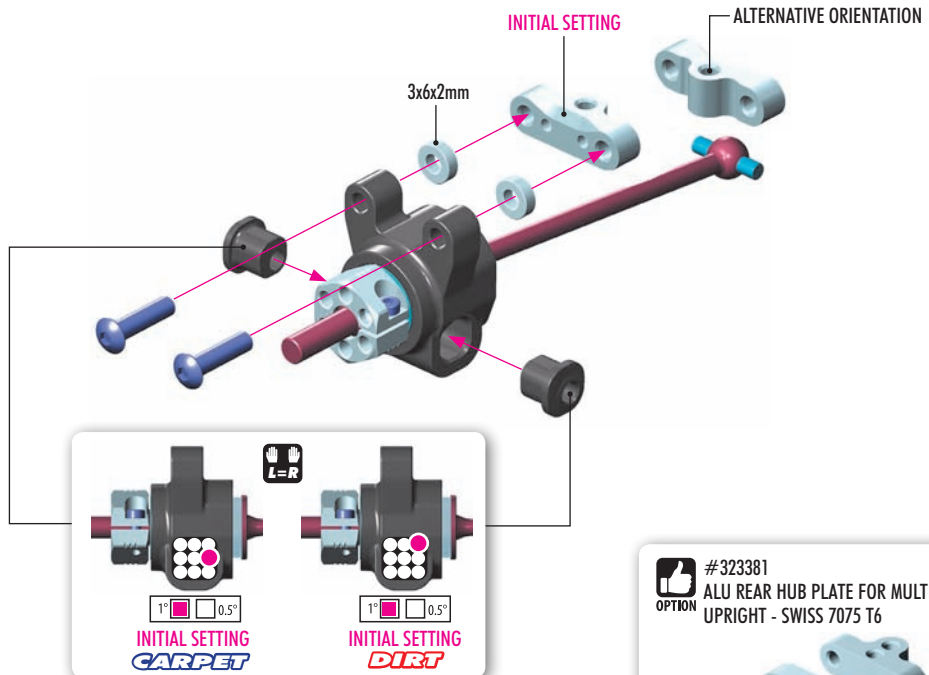


303123
SHIM 3x6x2



902312
SH M3x12

2x L=R

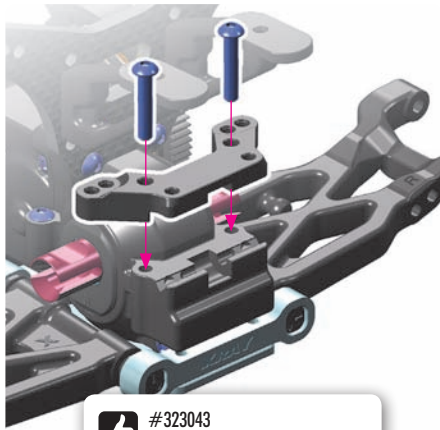


OPTION #323381
ALU REAR HUB PLATE FOR MULTI ADJUSTABLE
UPRIGHT - SWISS 7075 T6

3. REAR DRIVETRAIN **CARPET** **DIRT**



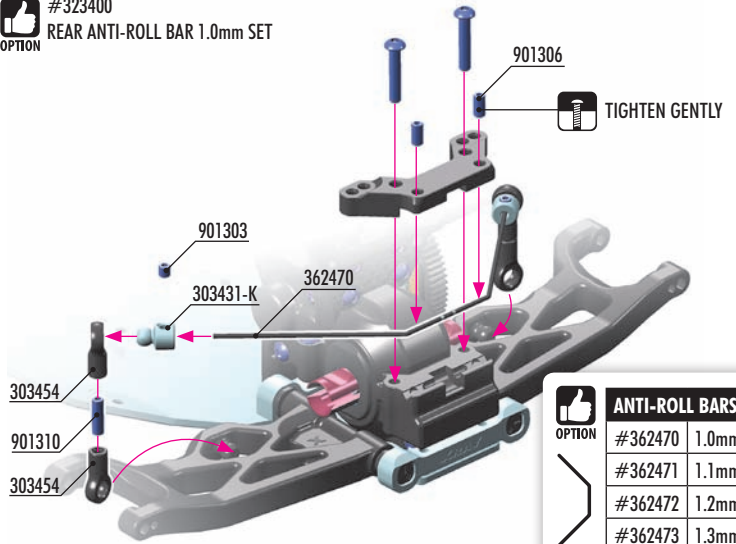
902316
SH M3x16



#323043
ALU REAR ROLL CENTER HOLDER
OPTION



#323400
REAR ANTI-ROLL BAR 1.0mm SET
OPTION



ANTI-ROLL BARS	
#362470	1.0mm
#362471	1.1mm
#362472	1.2mm
#362473	1.3mm



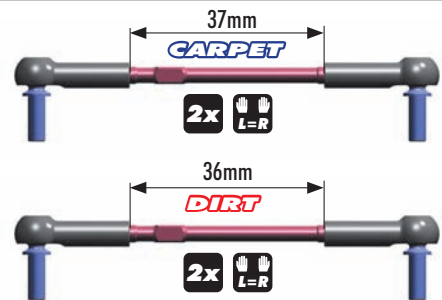
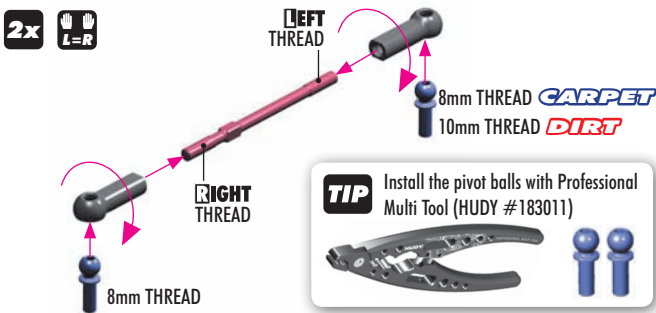
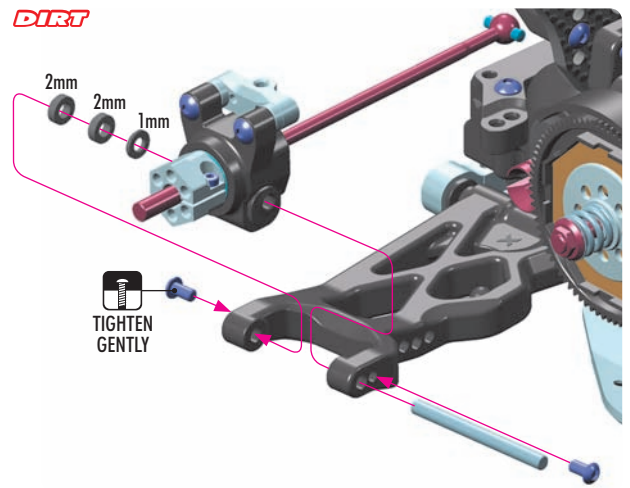
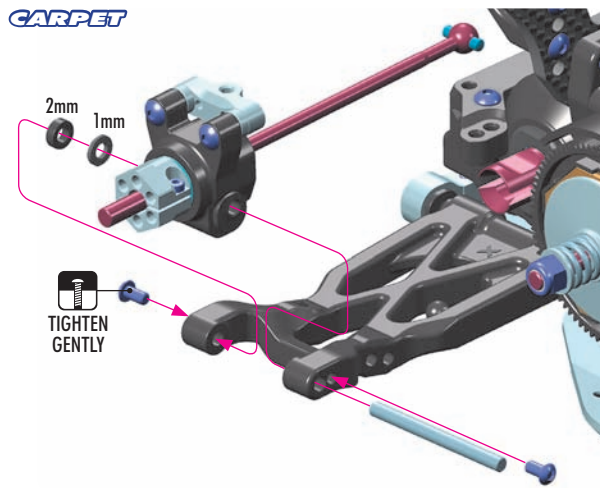
306219
SHIM 3x6x1



306219
SHIM 3x6x2



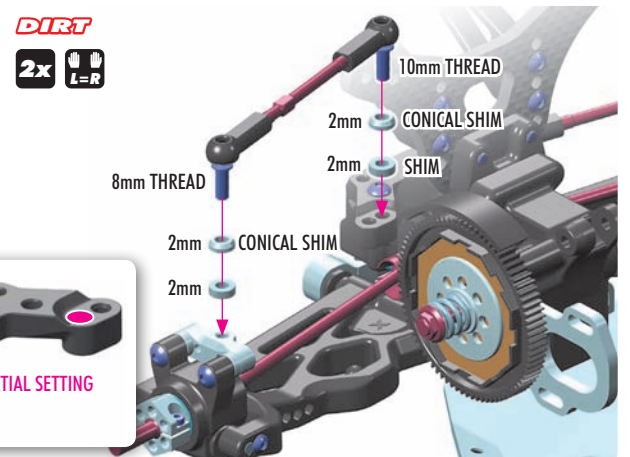
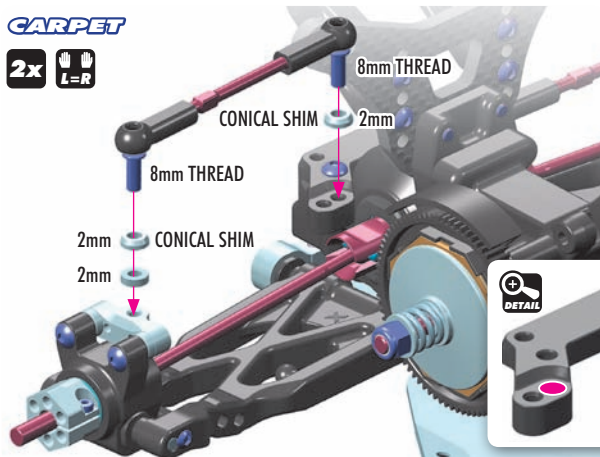
902254
SH M2.5x4



303123
SHIM 3x6x2



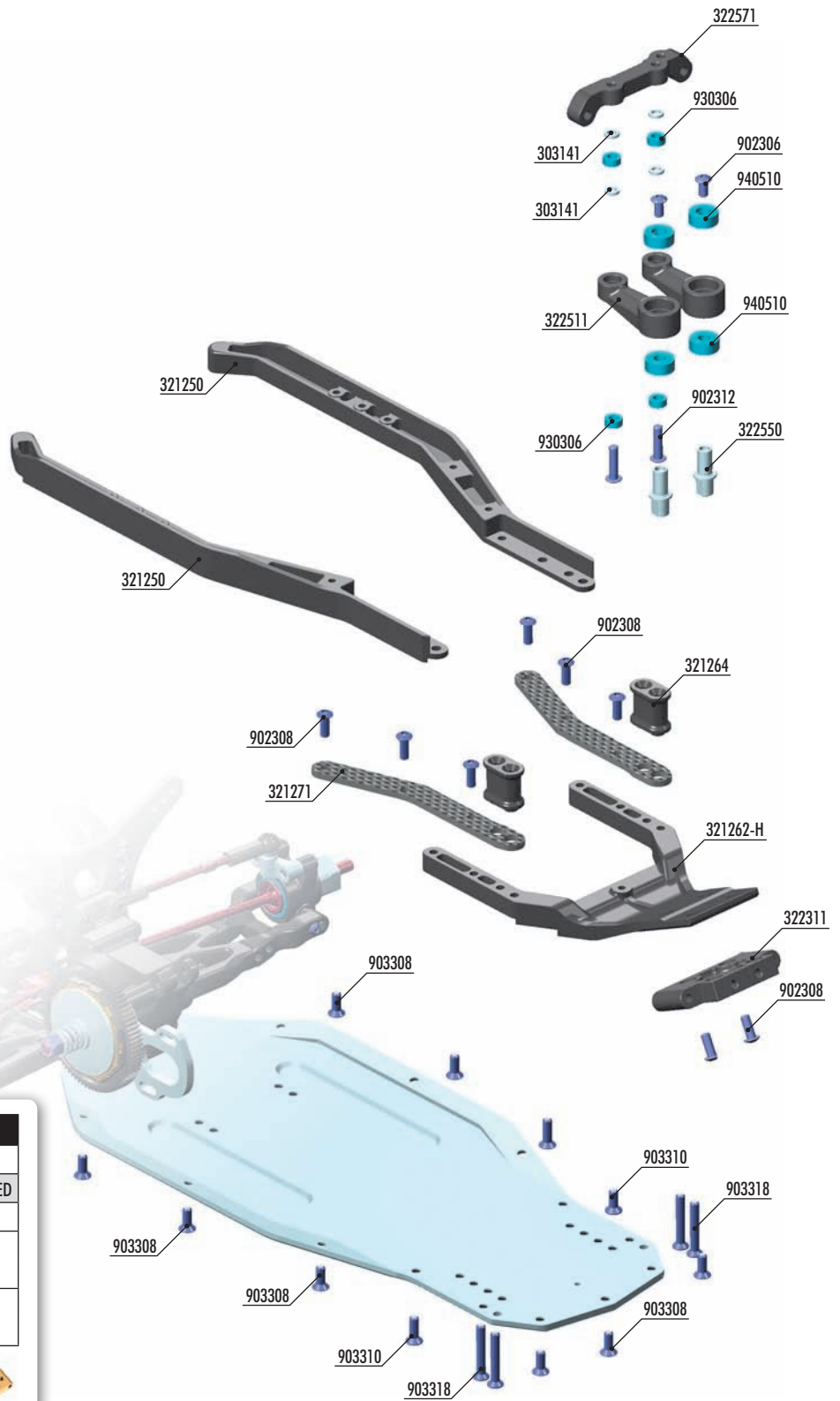
362280
CON. SHIM 3x6x2



#322572
ALU STEERING PLATE
OPTION



#322512
ALU STEERING ARMS
OPTION



FRONT LOWER ARM MOUNT

#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



BAG

04

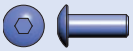
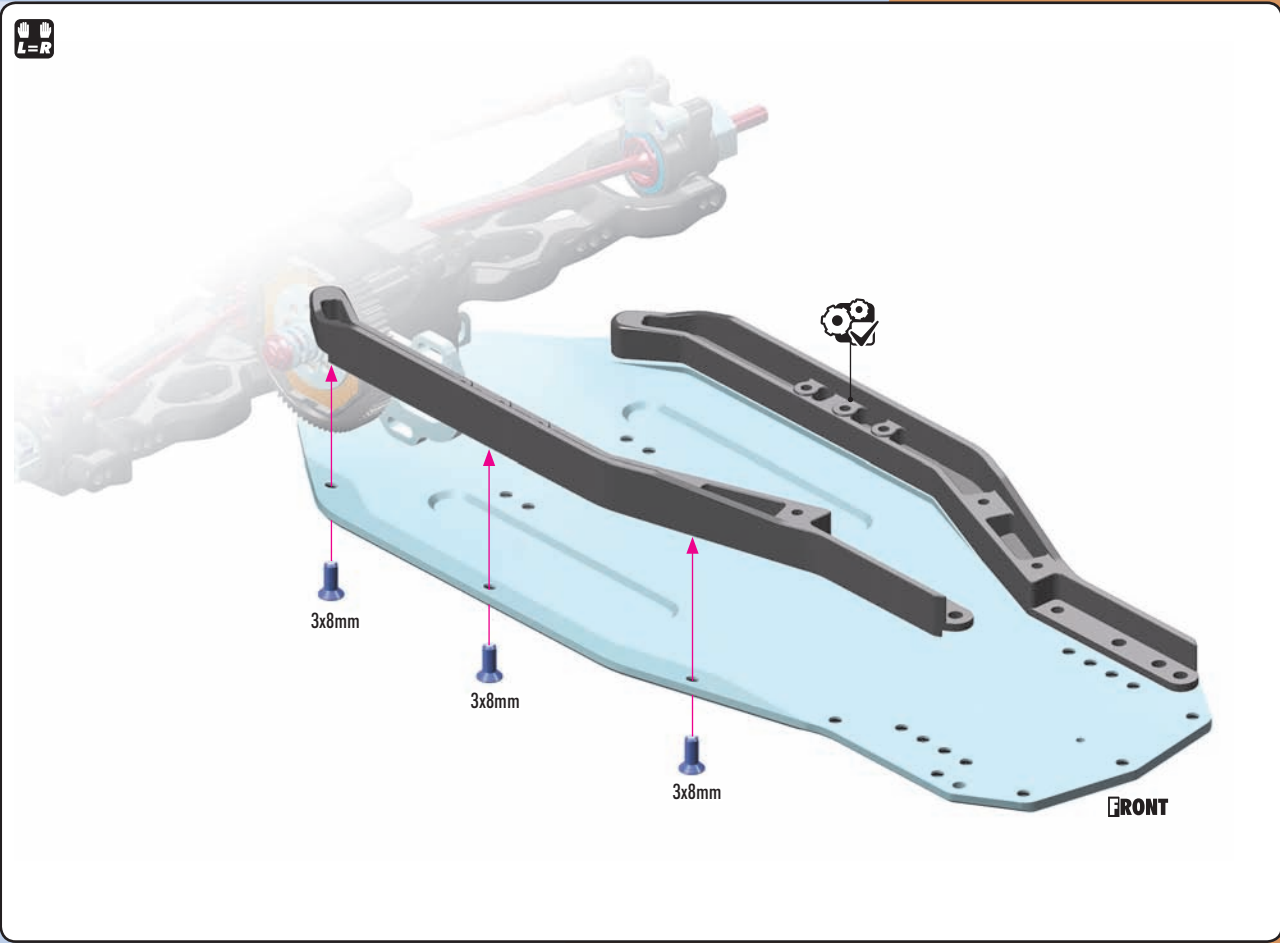
- 30 3141 ALU SHIM 3x5x1.0MM (10)
- 32 1250 COMPOSITE CHASSIS SIDE GUARDS FOR BENT SIDES CHASSIS L+R
- 32 1262-H COMPOSITE CHASSIS FRONT GUARD - HARD - V2
- 32 1264 COMPOSITE FRONT CHASSIS SIDE BRACE - SHORT (2)
- 32 1271 GRAPHITE CHASSIS SIDE GUARD BRACE FOR BENT SIDES CHASSIS (2)
- 32 2311 COMPOSITE FRONT LOWER SUSPENSION HOLDER
- 32 2511 COMPOSITE STEERING ARM (2)
- 32 2550 ALU SERVO SAVER PIVOT SHAFT (2)
- 32 2571 COMPOSITE STEERING PLATE

- 90 2306 HEX SCREW SH M3x6 (10)
- 90 2308 HEX SCREW SH M3x8 (10)

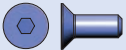
- 90 2312 HEX SCREW SH M3x12 (10)
- 90 3308 HEX SCREW SFH M3x8 (10)
- 90 3310 HEX SCREW SFH M3x10 (10)
- 90 3318 HEX SCREW SFH M3x18 (10)
- 93 0306 BALL-BEARING 3x6x2.5 STEEL SEALED - OIL (2)
- 94 0510 BALL-BEARING 5x10x4 RUBBER SEALED - OIL (2)



903308
SFH M3x8



902308
SH M3x8



903308
SFH M3x8

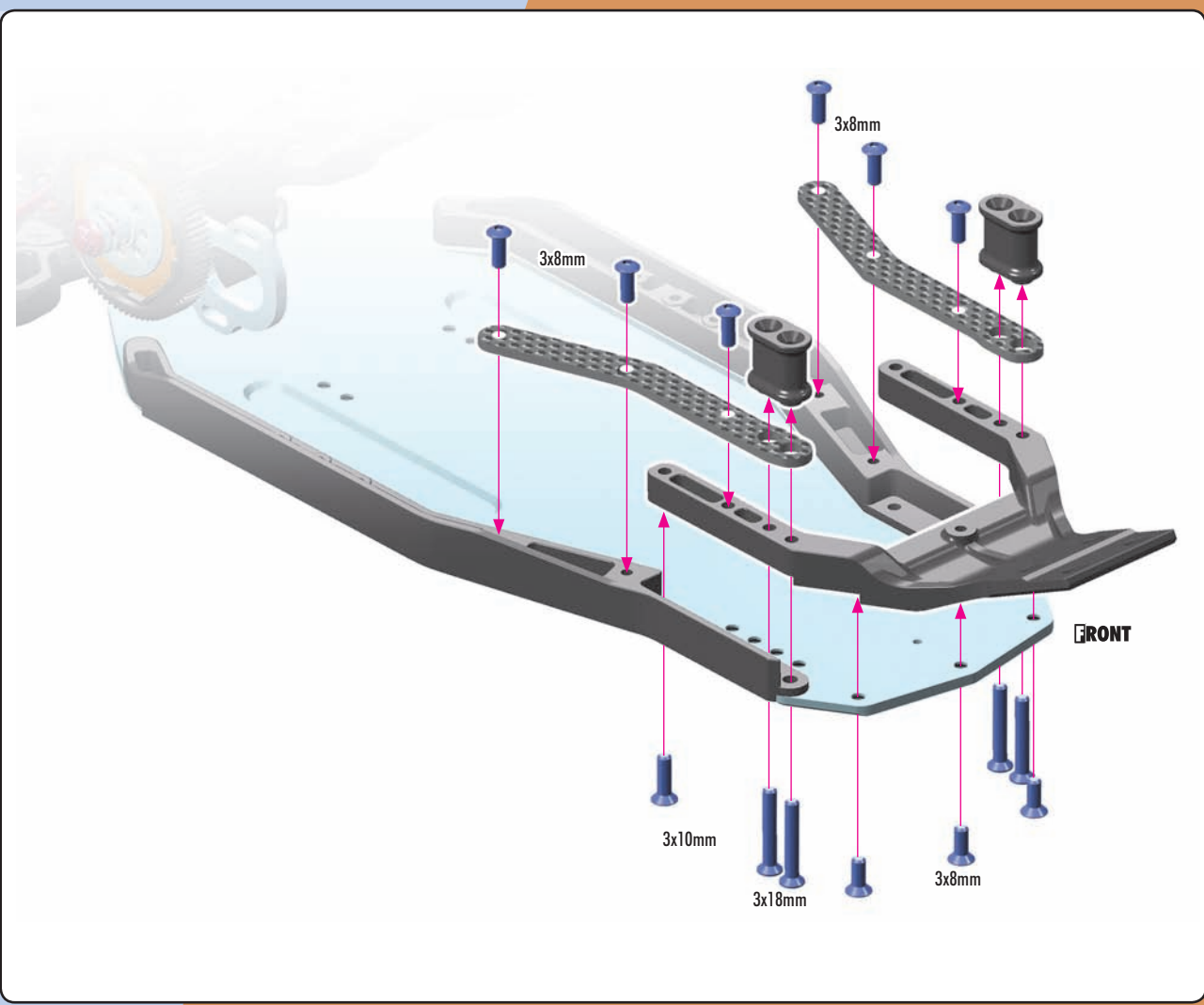


903310
SFH M3x10



903318
SFH M3x18

903318
SFH M3x18





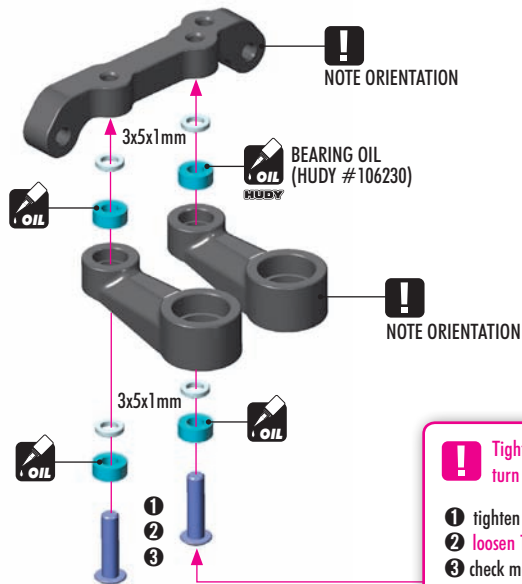
303141
SHIM 3x5x1



902312
SH M3x12



930306
BB 3x6x2.5



STEERING PLATE

#322572	ALU	OPTION
#322571	COMPOSITE	INCLUDED

COMPOSITE - Easy to drive, more forgiving, less steering.
ALU - More aggressive, more steering, more precise steering.



STEERING ARMS

#322512	ALU	OPTION
#322511	COMPOSITE	INCLUDED

COMPOSITE - Easy to drive and more forgiving.
ALU - More aggressive, more precise steering.

! Tighten the screws gently but fully, and then loosen 1/3 turn so the composite dual servo saver moves freely.

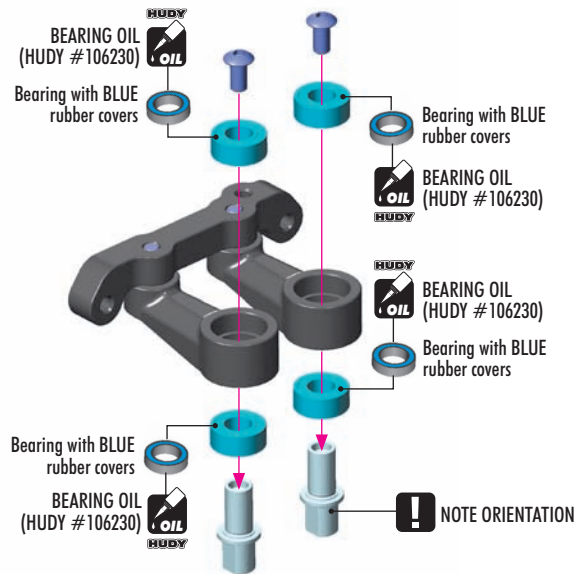
- 1 tighten fully
- 2 loosen 1/3 ccw
- 3 check moves freely



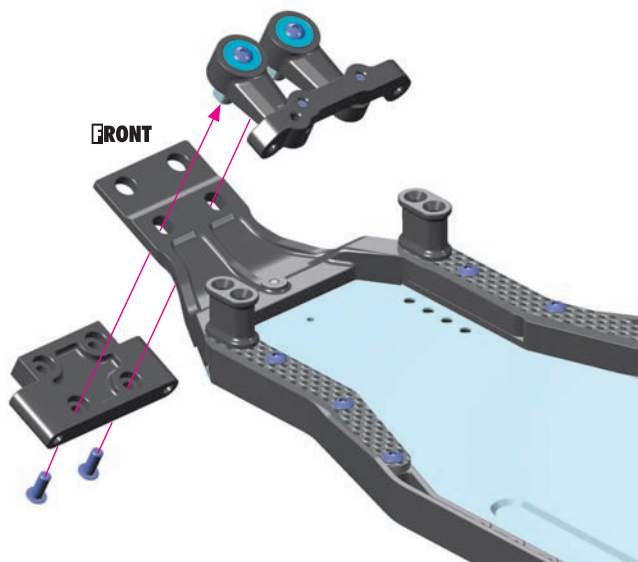
902306
SH M3x6



940510
BB 5x10x4



902308
SH M3x8



FRONT LOWER ARM MOUNT

#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 **CARPET** **DIRT**



XRAY BALL-BEARING

#940510	5x10x4	OIL	OPTION
#359050	5x10x4	GREASE	INCLUDED



STEERING BLOCK

#322250-M	MEDIUM	OPTION
#322250-H	HARD	INCLUDED
#322250-G	GRAPHITE	OPTION



FRONT LSM SUSPENSION ARM

#322113-H	RIGHT	HARD	INCLUDED
#322123-H	LEFT	HARD	INCLUDED
#322113-G	RIGHT	GRAPHITE	OPTION
#322123-G	LEFT	GRAPHITE	OPTION



FRONT SUSPENSION ARM

#322110-M	MEDIUM	OPTION
#322110-H	HARD	OPTION
#322110-G	GRAPHITE	OPTION



FRONT ROLL CENTER HOLDER

#322040-M	MEDIUM	OPTION
#322040-H	HARD	INCLUDED
#322042	ALU	OPTION



STEERING BLOCK EXTENSION

#322290	2-SLOTS	INCLUDED
#322291	1-SLOT	OPTION
#322292	0-SLOTS	OPTION



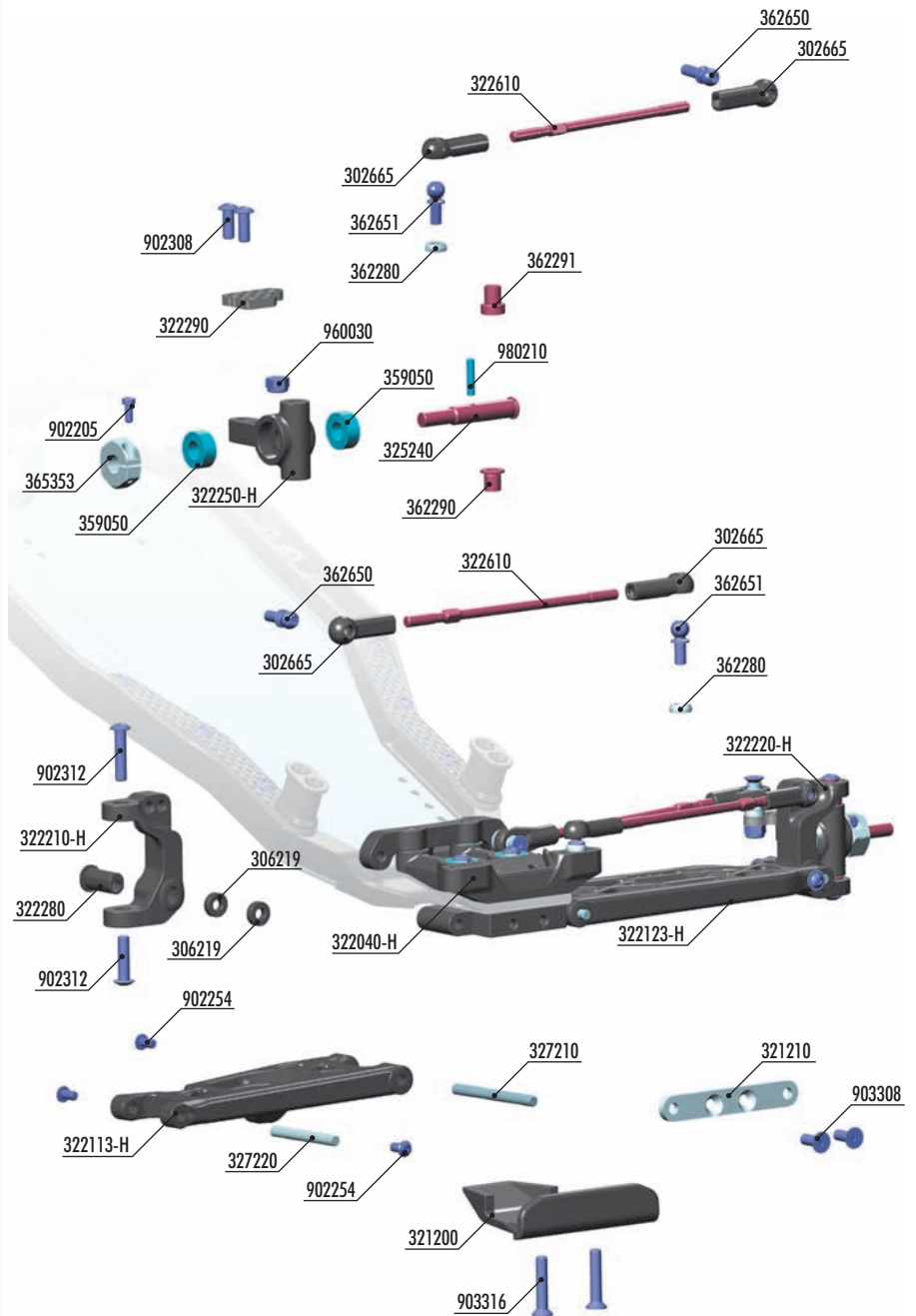
C-HUB

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



WHEEL HEX HUBS 12MM

#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

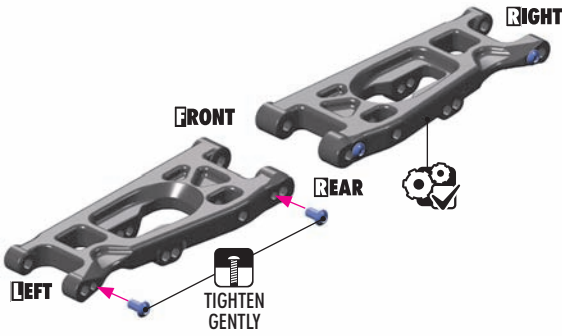


BAG

05

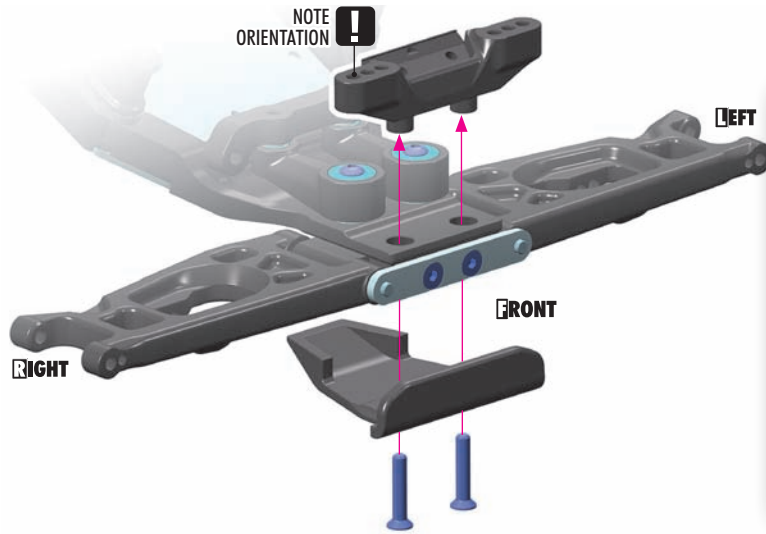
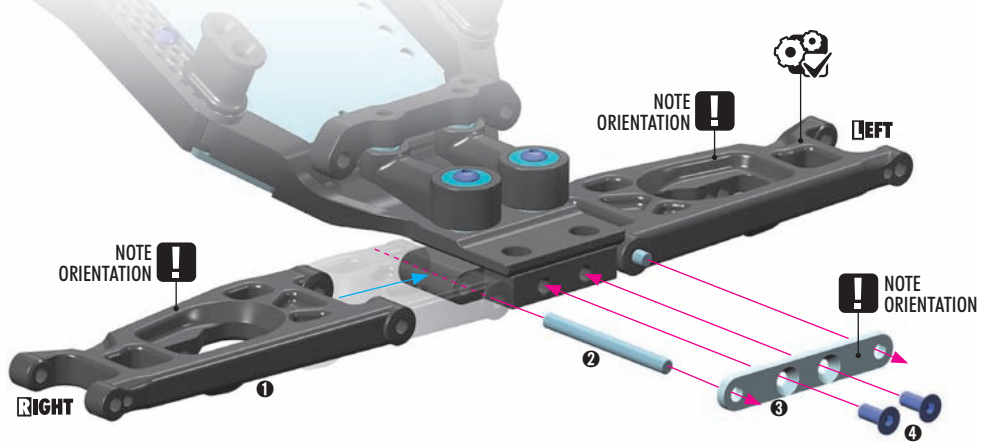
- 302665 COMPOSITE BALL JOINT 4.9MM - CLOSED WITH HOLE (4)
- 306219 COMPOSITE SET OF SERVO SHIMS (4)
- 321200 COMPOSITE FRONT BUMPER
- 321210 ALU SUSPENSION HOLDER BRACE - SWISS 7075 T6 (3MM)
- 322040-H COMPOSITE FRONT ROLL CENTER HOLDER - HARD
- 322113-H SUSP. ARM FRONT - LOW SHOCK MOUNTING - LOWER RIGHT - HARD
- 322123-H SUSP. ARM FRONT - LOW SHOCK MOUNTING - LOWER LEFT - HARD
- 322210-H COMPOSITE C-HUB 0° DEG. RIGHT - HARD
- 322220-H COMPOSITE C-HUB 0° DEG. LEFT - HARD
- 322250-H COMPOSITE STEERING BLOCK - HARD
- 322280 COMPOSITE CASTER ECCENTRIC BUSHING (2+2+2)
- 322290 GRAPHITE EXTENSION FOR STEERING BLOCK - 2 SLOTS (2)
- 322610 ADJUSTABLE TURNBUCKLE 55MM M3 L/R - HUDY SPRING STEEL™ (2)
- 325240 FRONT DRIVE AXLE - HUDY SPRING STEEL™
- 327210 FRONT SUSPENSION PIVOT PIN (2)
- 327220 FRONT ARM PIVOT PIN (2)
- 362280 ALU CONICAL SHIM 3x6x2.0MM (10)

- 362290 STEEL STEERING BUSHING - SHORT (2)
- 362291 STEEL STEERING BUSHING - LONG (2)
- 362650 BALL END 4.9MM WITH THREAD 6MM (2)
- 362651 BALL END 4.9MM WITH THREAD 8MM (2)
- 365353 ALU WHEEL HUB 12MM (2)
- 359050 BALL-BEARING 5x10x4 STEEL SEALED - GREASE (2)
- 902205 HEX SCREW SH M2x5 (10)
- 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)
- 903316 HEX SCREW SFH M3x16 (10)
- 960030 NUT M3 (10)
- 980210 PIN 2x9.8 (10)



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

FRONT SUSPENSION ARM		
#322110-M	MEDIUM	OPTION
#322110-H	HARD	OPTION
#322110-G	GRAPHITE	OPTION



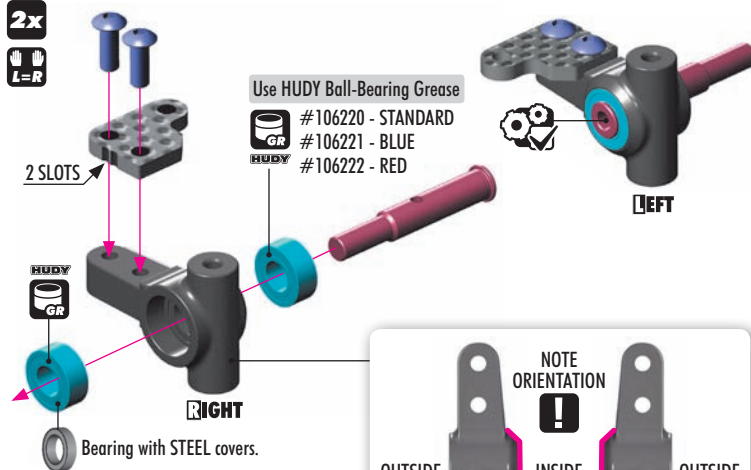
#322042
ALU FRONT ROLL CENTER HOLDER FOR ANTI-ROLL BAR



FRONT ROLL CENTER HOLDER		
#322040-M	MEDIUM	OPTION
#322040-H	HARD	INCLUDED



MEDIUM - Generates more traction, absorbs bumps better.
 HARD - More precise, absorbs less bumps than medium but still more than alu, more reactive than medium composite but less than alu.
 ALU - More precise and increased strength.



STEERING BLOCK EXTENSION		
#322290	2-SLOTS	INCLUDED
#322291	1-SLOT	OPTION
#322292	0-SLOTS	OPTION



2 SLOTS - Turns outside wheels less, easier to drive, less aggressive
 1 SLOT - Between 2 and 0
 0 SLOTS - Most aggressive steering, recommended for very technical small tracks



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



MEDIUM - More steering on low traction
 HARD - More free in corner on high grip
 GRAPHITE - Less stopping in corner on high traction



5. FRONT SUSPENSION **CARPET** **DIRT**

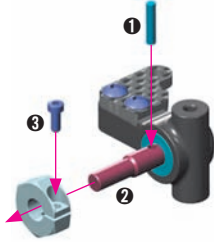


902205
SH M2x5



981210
P 2x10

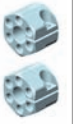
2x L=R



WHEEL HEX HUBS 12MM

#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

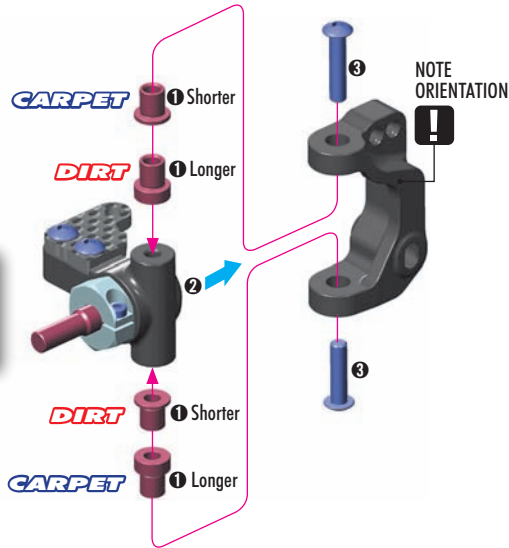


2x L=R



902312
SH M3x12

Steel steering bushings allow ROLL CENTER adjustment.



NOTE ORIENTATION

DIRT

LOWER ROLL CENTER

(INITIAL SETTING) **DIRT**

TOP = LONGER bushing
BOTTOM = SHORTER bushing

Recommended for rough tracks to improve stability.

CARPET

HIGHER ROLL CENTER

(INITIAL SETTING) **CARPET**

TOP = SHORTER bushing
BOTTOM = LONGER bushing

Recommended for smooth tracks to gain more steering.



C-HUB - LEFT

#322220-M	MEDIUM	OPTION
#322220-H	HARD	INCLUDED
#322220-G	GRAPHITE	OPTION

C-HUB - RIGHT

#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 stopping in corners.

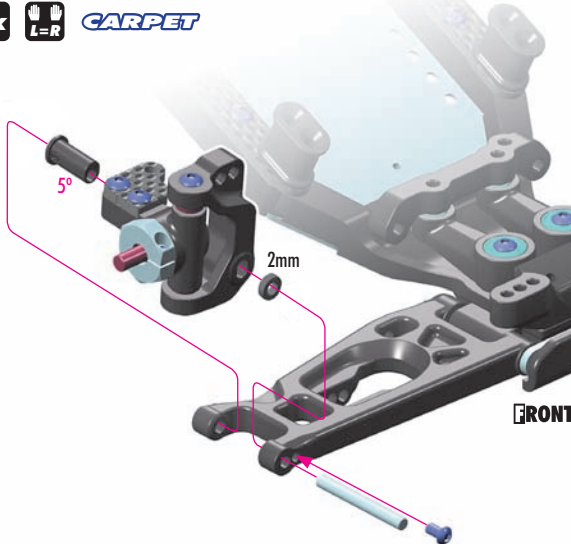
10

306219
SHIM 3x6x2

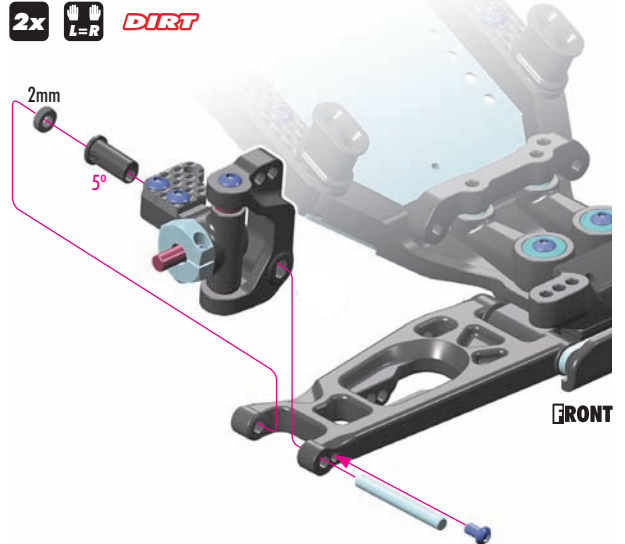


902254
SH M2.5x4

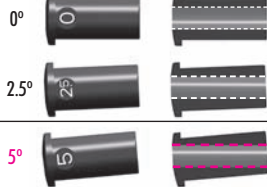
2x L=R **CARPET**



2x L=R **DIRT**

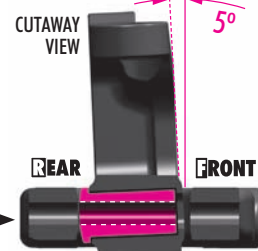


CASTER ECCENTRIC BUSHINGS



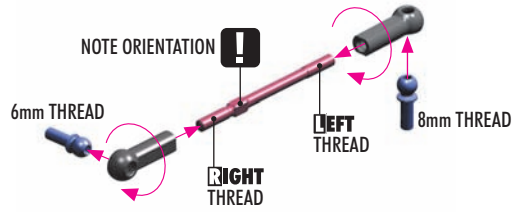
LESS CASTER = increased steering off-power

MORE CASTER = less steering off-power



ROLL CENTER LINKS

2x 



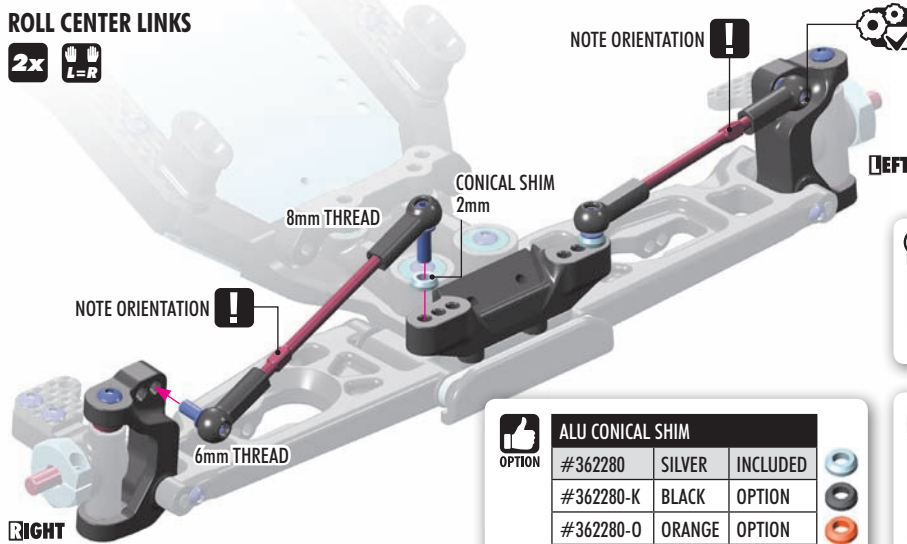
TIP Install the pivot balls with Professional Multi Tool (HUDY #183011)






362280
CON. SHIM 3x6x2

ROLL CENTER LINKS

2x 



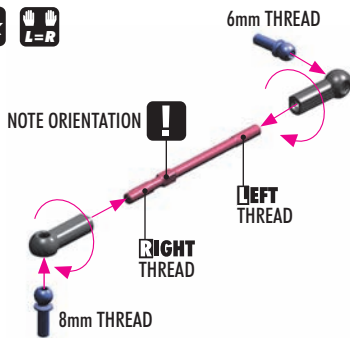
ALU CONICAL SHIM

OPTION	ALU CONICAL SHIM		
#362280	SILVER	INCLUDED	
#362280-K	BLACK	OPTION	
#362280-O	ORANGE	OPTION	



STEERING LINKS

2x 



TIP Install the pivot balls with Professional Multi Tool (HUDY #183011)



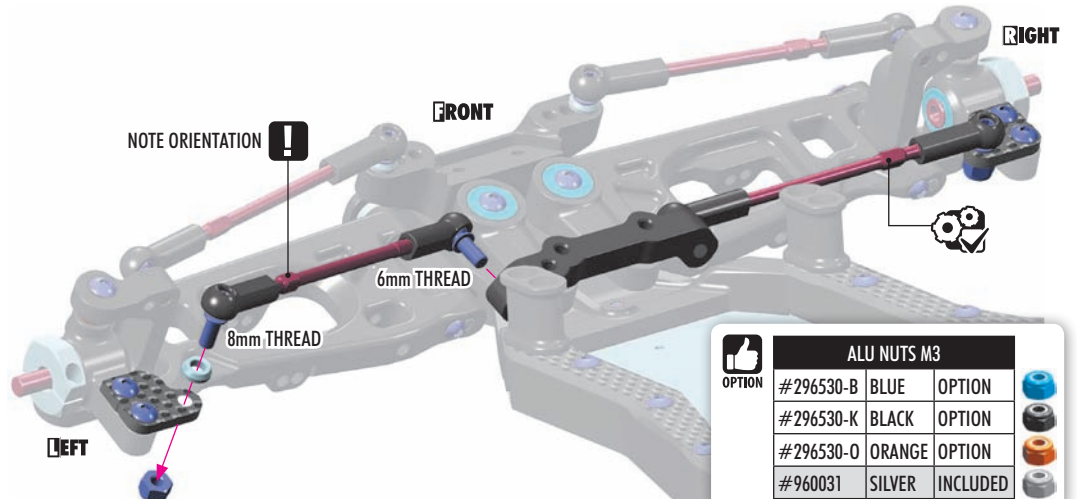
903316
SFH M3x16







960030
NUT M3

STEERING LINKS

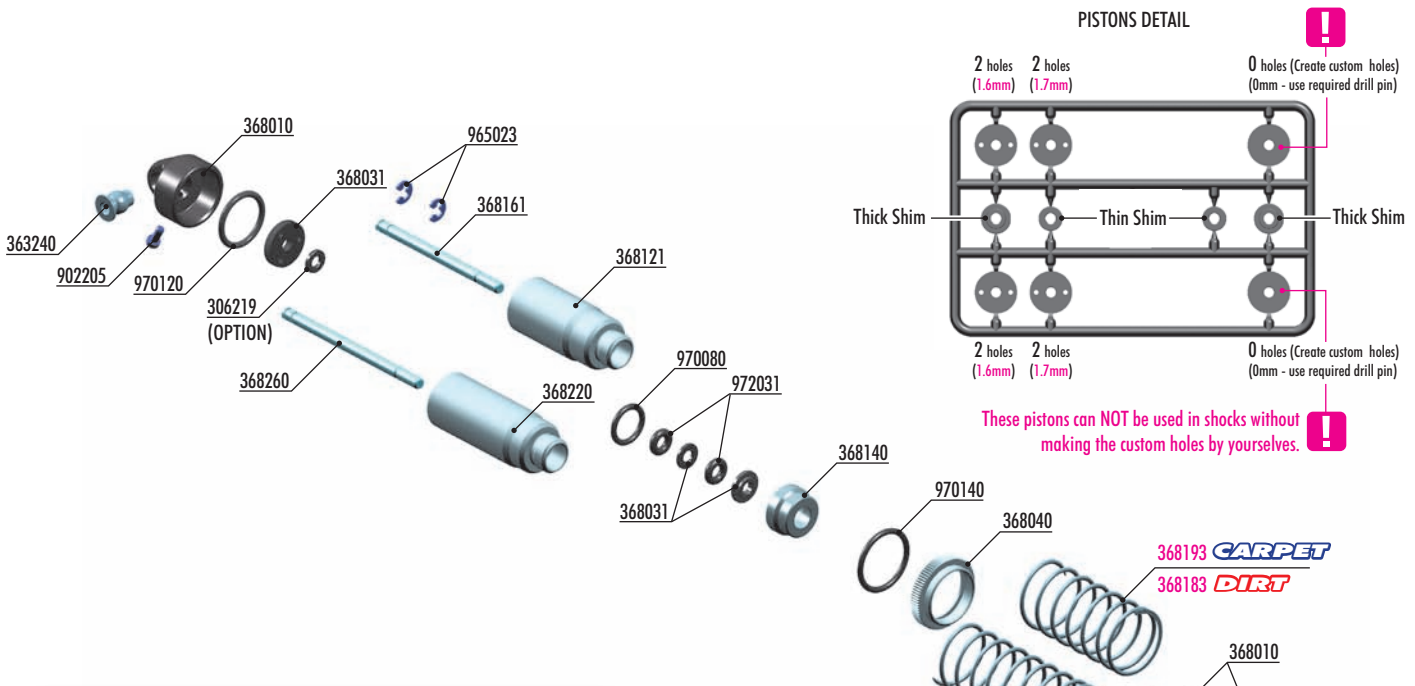
2x 



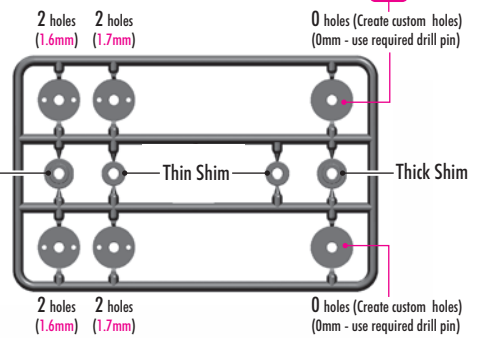
ALU NUTS M3

OPTION	ALU NUTS M3		
#296530-B	BLUE	OPTION	
#296530-K	BLACK	OPTION	
#296530-O	ORANGE	OPTION	
#960031	SILVER	INCLUDED	

6. SHOCK ABSORBERS **CARPET** **DIRT**



PISTONS DETAIL



These pistons can NOT be used in shocks without making the custom holes by yourselves.



FRONT SPRINGS				
#368191	LINEAR	42mm	1 DOTS	OPTION
#368192	LINEAR	42mm	2 DOTS	OPTION
#368193	LINEAR	42mm	3 DOTS	INCLUDED
#368194	LINEAR	42mm	4 DOTS	OPTION
#368195	LINEAR	42mm	5 DOTS	OPTION



REAR SPRINGS				
#368292	LINEAR	57mm	2 DOTS	INCLUDED
#368293	LINEAR	57mm	3 DOTS	OPTION
#368294	LINEAR	57mm	4 DOTS	OPTION



FRONT SPRINGS				
#368174	PROGRESS.	45mm	2 STRIPES	OPTION
#368175	PROGRESS.	40mm	3 DOTS	OPTION
#368182	LINEAR	45mm	1 STRIPE & 3 DOTS	OPTION
#368183	LINEAR	45mm	1 DOT	INCLUDED
#368184	LINEAR	45mm	2 DOTS	OPTION
#368185	LINEAR	45mm	3 DOTS	OPTION
#368186	LINEAR	45mm	4 DOTS	OPTION



REAR SPRINGS				
#368273	PROGRESS.	60mm	2 STRIPES	OPTION
#368275	PROGRESS.	55mm	2 DOTS	OPTION
#368283	LINEAR	63mm	1 STRIPE & 3 DOTS	OPTION
#368284	LINEAR	60mm	1 DOT	INCLUDED
#368285	LINEAR	60mm	2 DOTS	OPTION
#368286	LINEAR	60mm	3 DOTS	OPTION
#368287	LINEAR	60mm	4 DOTS	OPTION



#328011 COMPOSITE SHOCK BALL JOINT 21MM (2)

#972030 SILICONE O-RING 3x2mm (10)

#368051 ALU SHOCK CAP-NUT WITH VENT HOLE (2)

#104004 HUDY AIR VAC - VACUUM PUMP - 1/10 OFF-ROAD

#368021 ALU SHOCK SPRING RETAINING COLLAR (4)

BAG



- 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)
- 368040 COMPOSITE SHOCK BUSHING & SHIM (2+2)
- 368121 ALU FRONT SHOCK BODY - HARD COATED (2)
- 368140 ALU LOWER SHOCK BODY CAP (2)
- 368161 FRONT HARDENED SHOCK SHAFT (2)
- 368200 REAR SHOCK ABSORBERS COMPLETE SET (2)
- 368220 ALU REAR SHOCK BODY - HARD COATED (2)
- 368260 REAR HARDENED SHOCK SHAFT (2)
- 902205 HEX SCREW SH M2x5 (10)

- 965023 E-CLIP 2.3 (10)
- 970080 O-RING 8x1 (10)
- 970120 O-RING 12 x 1.0 (10)
- 970140 O-RING 14 x 1.5 (10)
- 972031 SILICONE O-RING 3x2.1 (10)

CARPET

- 368193 FRONT SPRING-SET LINEAR - 3 DOTS (2)
- 368292 REAR SPRING-SET LINEAR - 2 DOTS (2)

DIRT

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

6. SHOCK ABSORBERS

CARPET DIRT

965023
C 2.3

970080
O 8x1

972031
O 3x2.1

SET-UP BOOK

SHOCK DAMPING
SHOCK PISTONS

INITIAL PISTON SETTING

2 holes (1.6mm) **2x FRONT**

2 holes (1.7mm) **2x REAR**

FRONT - SHORT SHOCK ROD

REAR - LONG SHOCK ROD

4x

THICK Shim

O-ring

THIN Shim

O-ring

There are two different thickness shims, use them as shown. Use the same procedure when building both front and rear shocks.

#306219 DOWNSTOP SHIMS

THICKER shim used, GREATER downstop is achieved.

1mm 2mm 3mm

! IMPORTANT
Always use same shim thickness on right and left side to achieve same downstop.

INITIAL SETTING (0mm)

SHORT SHOCK ROD

SHORT SHOCK BODY

2x FRONT SHOCKS

LONG SHOCK ROD

LONG SHOCK BODY

2x REAR SHOCKS

! EXTREMELY IMPORTANT

INCORRECT

CORRECT

Do not push the shock rod straight through the lower shock body assembly; O-ring damage may result.

Twist the shock rod through the lower shock body assembly.

970140
O 14x1.5

4x

DETAIL

4x

970120
O 12x1

UPSTOP "C" SHIMS

CARPET

FRONT REAR

1+1mm 2+2mm

DIRT

FRONT REAR

1+1mm 2mm

UPSTOP SHIM

22mm FRONT

29mm REAR

Install the pivot balls with Professional Multi Tool (HUDY #183011)

#328011 COMPOSITE SHOCK BALL JOINT 21MM (2)



CARPET
FRONT (SHORT)
Oil 550cSt
REAR (LONG)
Oil 450cSt

DIRT
FRONT (SHORT)
Oil 500cSt
REAR (LONG)
Oil 500cSt

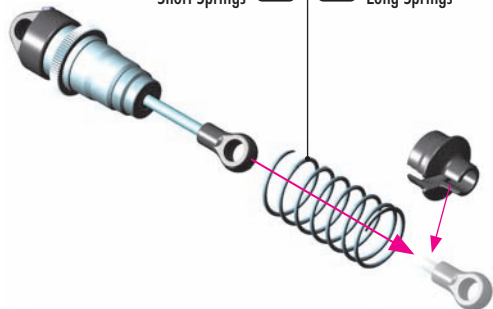
DEFAULT SHOCK REBOUND SETTING 0% REBOUND

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

- 1** Extend the shock shaft completely. Fill the shock body with the shock oil. For the FRONT shocks (short) use 550cSt or 500cSt oil. For the REAR shocks (long) use 450cSt or 500cSt oil.
- 2** Move the shock shaft up and down a few times to release the air bubbles trapped beneath the piston.
3~5x UP & DOWN
- 3** Orient the filled shock vertically for several minutes with the shock shaft fully extended. The remaining air bubbles will release.
- 4** Gently place the shock cap onto the filled shock body and start to tighten the cup. Tighten the cap fully.
TIGHTEN FULLY
- 5** Gently push the shock shaft completely into the shock body. Excess oil will flow through the hole in the shock cap.
- 6** Keep the shock shaft pushed in the shock body and insert the screw into the shock cap. Tighten gently.
- 7** 6x push the shaft up and down.
6x UP & DOWN
- 8** Untighten the screw.
- 9** Gently push the shock shaft completely into the shock body. Excess oil will flow through the hole in the shock cap.
- 10** Tighten the screw. The rebound will be at approx. 0%.

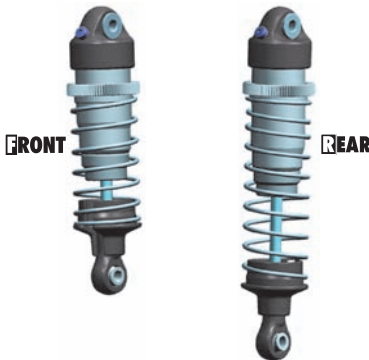
SET-UP BOOK
SHOCK OIL

SHORT FRONT SHOCKS Short Springs **2x** **2x** LONG REAR SHOCKS Long Springs



! IMPORTANT

Both FRONT SHOCKS must be the same overall length.
Both REAR SHOCKS must be the same overall length.

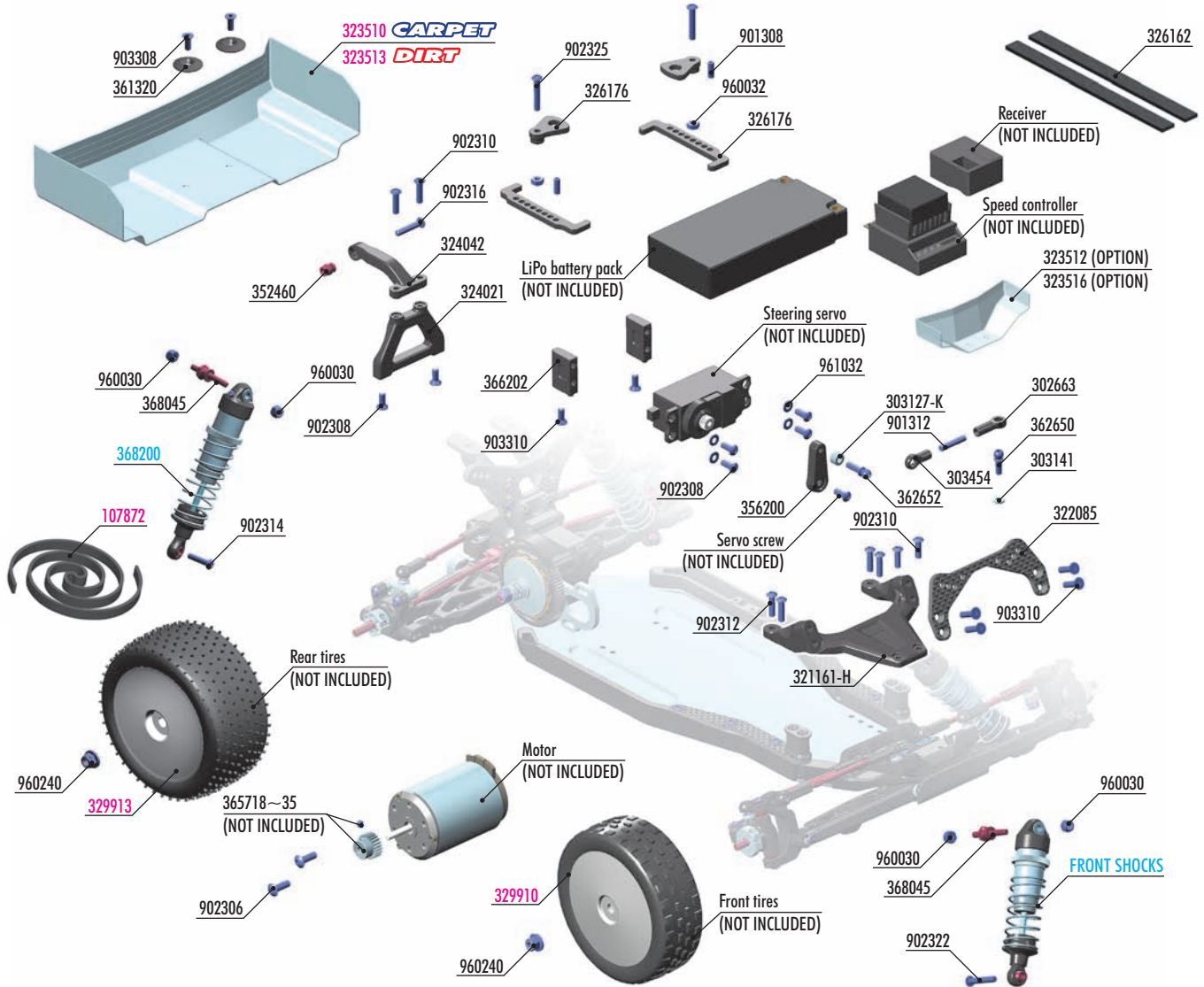


2x FRONT SHOCKS (SHORT)
2x REAR SHOCKS (LONG)



#368021
ALU SHOCK SPRING RETAINING COLLAR (4)

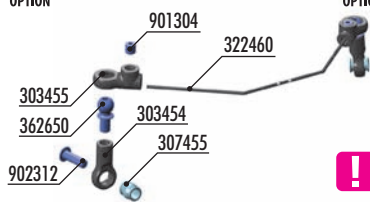




XRAY LEXAN BODY			
#329700	0.75mm		OPTION
#329701	0.50mm		OPTION
#329706	0.75mm	ALPHA 2	INCLUDED
#329707	0.75mm	BETA 2	INCLUDED
#329708	0.50mm	BETA 2	OPTION
#329709	0.50mm	ALPHA 2	OPTION



#322400 FRONT ANTI-ROLL BAR 1.0MM SET



ANTI-ROLL BARS	
#322458	0.8mm
#322460	1.0mm
#322461	1.1mm
#322462	1.2mm

! Front anti-roll bar can be used only with #322042



#322086 ALU FRONT SHOCK TOWER 3.0MM - SWISS 7075 T6



BAG

07

- 302663 COMPOSITE BALL JOINT 4.9MM - OPEN - V2 (8)
- 303127-K ALU SHIM 3x6x4.0MM - BLACK (10)
- 303141 ALU SHIM 3x5x1.0MM (10)
- 303454 BALL JOINT 4.9MM - OPEN (4)
- 321161-H COMPOSITE FRONT UPPER DECK FOR ANTI-ROLL BAR - HARD
- 322085 GRAPHITE SHOCK TOWER FRONT 3.0MM
- 324021 COMPOSITE MOUNT FOR UPPER BRACE - LCG
- 324042 COMPOSITE MOTOR UPPER BRACE - LCG
- 326162 SELF-ADHESIVE RUBBER 1.5x6.5x155MM (2)
- 326176 COMPOSITE LIPO BATTERY BACKSTOP FOR BENT SIDES CHASSIS (2+2)
- 352460 PIVOT BALL 5.8 (10)
- 356200 BRAKE/THROTTLE ARMS & STEERING SERVO ARMS - SET
- 361320 BODY MOUNT, BATTERY MOUNT - V2 & WING SHIM (2)
- 362650 BALL END 4.9MM WITH THREAD 8MM (2)
- 362652 BALL END 4.9MM WITH THREAD 10MM (2)
- 365718~35 ALU PINION GEAR HARD COATED 18~35T/48 (OPTION)
- 366202 COMPOSITE SERVO MOUNT - HIGHER
- 368045 STEEL SCREW SHOCK PIVOT BALL WITH HEX (2)

- 901308 HEX SCREW SB M3x8 (10)
- 901312 HEX SCREW SB M3x12 (10)
- 902306 HEX SCREW SH M3x6 (10)
- 902308 HEX SCREW SH M3x8 (10)
- 902310 HEX SCREW SH M3x10 (10)
- 902312 HEX SCREW SH M3x12 (10)
- 902314 HEX SCREW SH M3x14 (10)

- 902316 HEX SCREW SH M3x16 (10)
- 902322 HEX SCREW SH M3x22 (10)
- 902325 HEX SCREW SH M3x25 (10)
- 903308 HEX SCREW SFH M3x8 (10)
- 903310 HEX SCREW SFH M3x10 (10)
- 960030 NUT M3 (10)
- 960032 NUT M3 (10)
- 960240 NUT M4 WITH SERRATED FLANGE (10)
- 961032 WASHER S 3.2 (10)

- 368200 FRONT SHOCKS
- 107872 REAR SHOCK ABSORBERS COMPLETE SET (2)
- CARPET VELCRO TAPE WITH DOUBLE SIDED TAPE 8x500MM

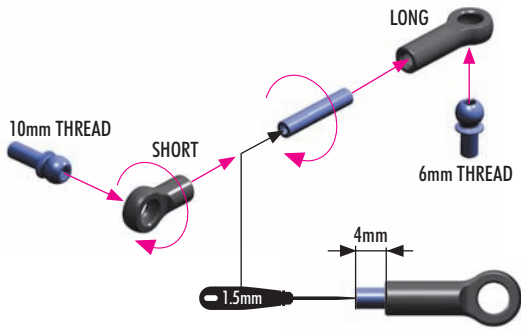
CARPET

- 323510 LEXAN REAR WING (2)
- 323512 LEXAN FRONT WING 0.75MM
- 329707 XRAY BODY FOR 1/10 2WD OFF-ROAD - BETA 2
- 329910 2WD FRONT WHEEL AERODISK WITH 12MM HEX - WHITE (2)
- 329913 2WD/4WD REAR WHEEL AERODISK 12MM HEX - WHITE (2)

DIRT

- 323513 LEXAN REAR WING - RANK (2)
- 329707 XRAY BODY FOR 1/10 2WD OFF-ROAD - ALPHA 2
- 329910 2WD FRONT WHEEL AERODISK WITH 12MM HEX - WHITE (2)
- 329913 2WD/4WD REAR WHEEL AERODISK 12MM HEX - WHITE (2)

901312
SB M3x12

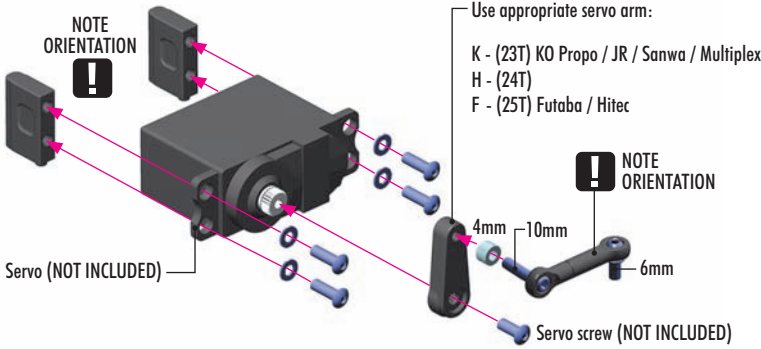


TIP Install the pivot balls with Professional Multi Tool (HUDY #183011)



902308
SH M3x8

961032
SHIM S 3.2



HUDY ALU SERVO HORNS

#293497	23T
#293498	24T
#293499	25T



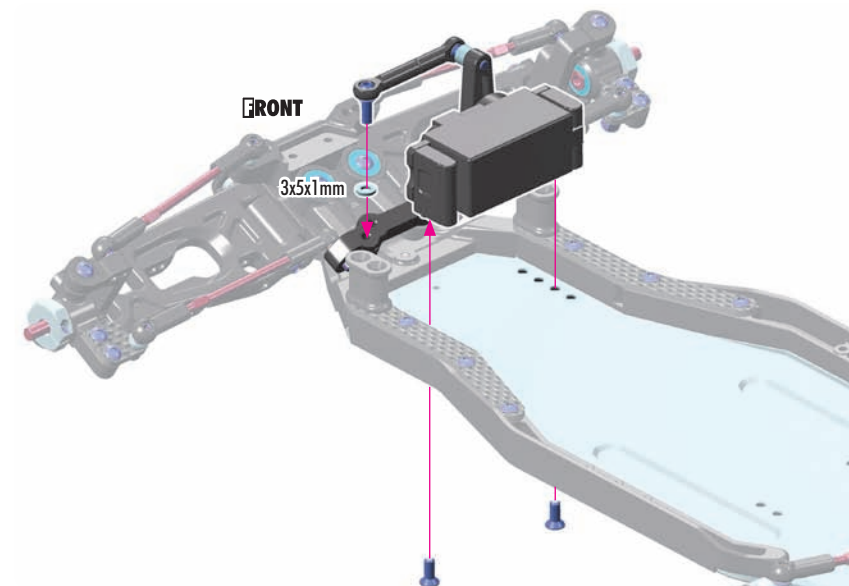
HUDY CLAMP ALU SERVO HORNS

#293404	23T
#293405	24T
#293406	25T

For more in-corner steering and better steering response, aluminum servo horns may be used.

303141
SHIM 3x5x1

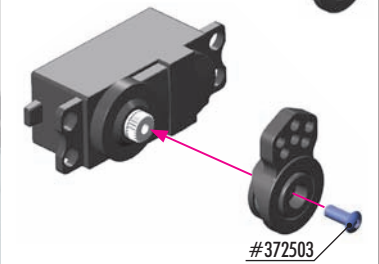
903310
SFH M3x10



For increased safety of the servo during a crash we suggest to use optional servo saver that will absorb impacts and will eliminate servo damage. To install the servo saver the optional alu stands.

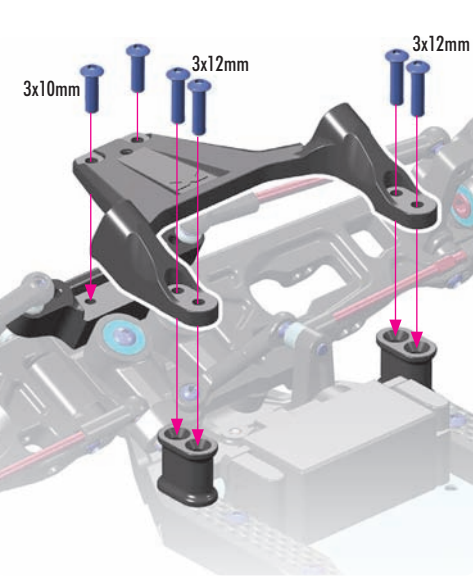


#372503
COMPOSITE SERVO SAVER - STIFF



902310
SH M3x10

902312
SH M3x12



#322400
FRONT ANTI-ROLL BAR 1.0MM SET



#322042
ALU FRONT ROLL CENTER
HOLDER FOR ANTI-ROLL BAR



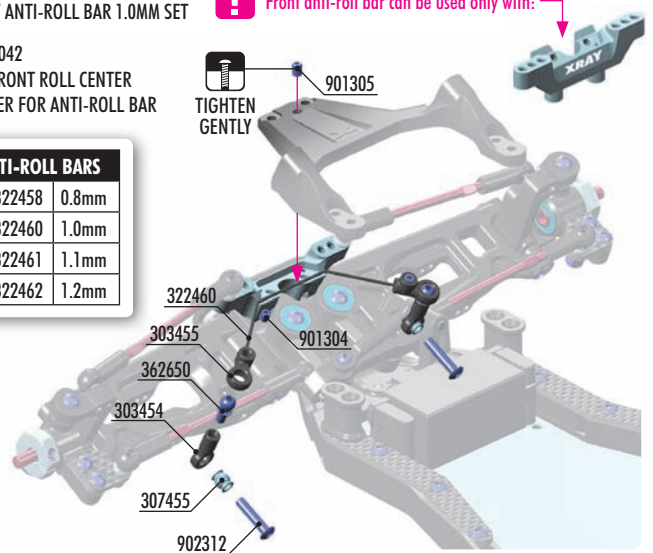
ANTI-ROLL BARS

#322458	0.8mm
#322460	1.0mm
#322461	1.1mm
#322462	1.2mm



Front anti-roll bar can be used only with:

TIGHTEN
GENTLY





903310
SFH M3x10

NOTE ORIENTATION !

#322086
OPTION ALU FRONT SHOCK TOWER 3.0MM - SWISS 7075 T6



902322
SH M3x22



960030
NUT M3

2x L=R

ECCENTRIC SHOCK BALL

FRONT

NOTE ORIENTATION !

NOTE ORIENTATION !

NOTE ORIENTATION !

SHORT SHOCK

FRONT

DETAIL

INITIAL SETTING CARPET

INITIAL SETTING DIRT

DETAIL

L=R

INITIAL SETTING CARPET

INITIAL SETTING DIRT



902314
SH M3x14



960030
NUT M3

2x L=R

REAR

NOTE ORIENTATION !

NOTE ORIENTATION !

NOTE ORIENTATION !

LONG SHOCK

ECCENTRIC SHOCK BALL

REAR

NOTE ORIENTATION !

CARPET

DIRT

DETAIL

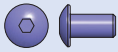
INITIAL SETTING CARPET DIRT

DETAIL

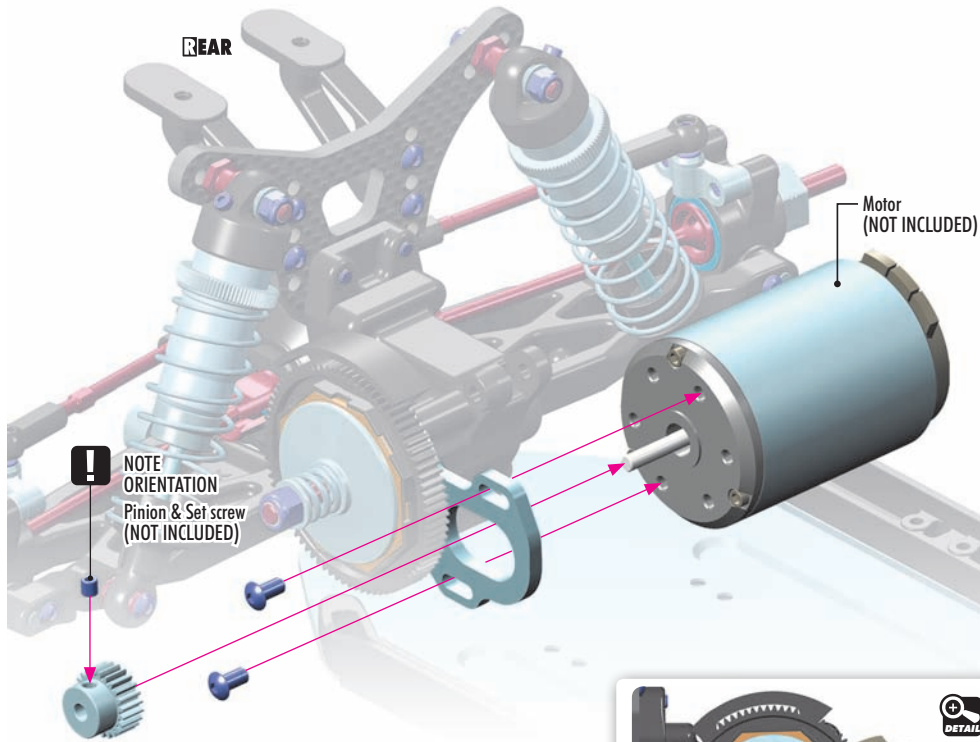
L=R

INITIAL SETTING CARPET

INITIAL SETTING DIRT

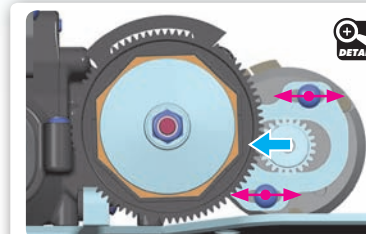


902306
SH M3x6



OPTION

XRAY PINIONS (48P)		
#365718	18T	
#365719	19T	
#365720	20T	
#365721	21T	
#365722	22T	
#365723	23T	
#365724	24T	
#365725	25T	
#365726	26T	
#365727	27T	
#365728	28T	
#365729	29T	
#365730	30T	
#365731	31T	
#365732	32T	
#365733	33T	
#365734	34T	
#365735	35T	
#365736	36T	
#365737	37T	
#365738	38T	



DETAIL

Adjust the motor so the pinion meshes with the spur gear properly. Make sure the gear mesh is not too tight.

There should be a small amount of play between the teeth of the pinion gear and the spur gear.



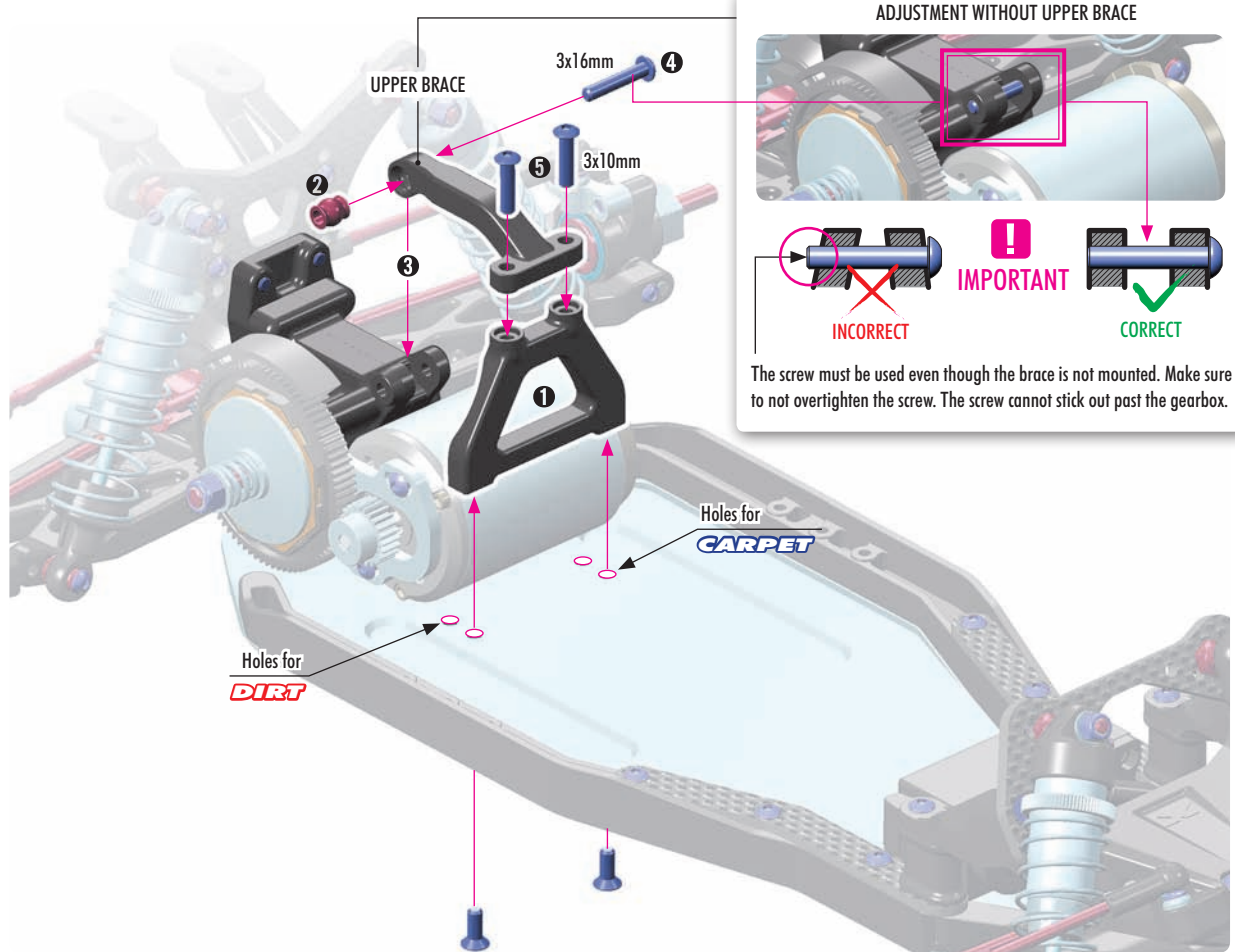
902310
SH M3x10



902316
SH M3x16



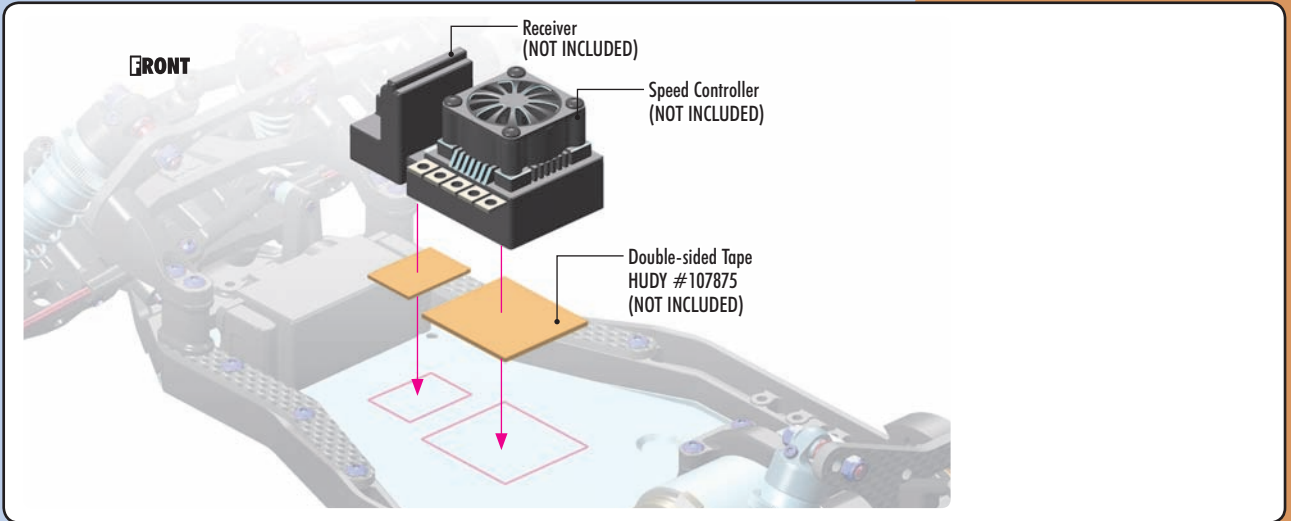
903308
SFH M3x8



ADJUSTMENT WITHOUT UPPER BRACE



The screw must be used even though the brace is not mounted. Make sure to not overtighten the screw. The screw cannot stick out past the gearbox.



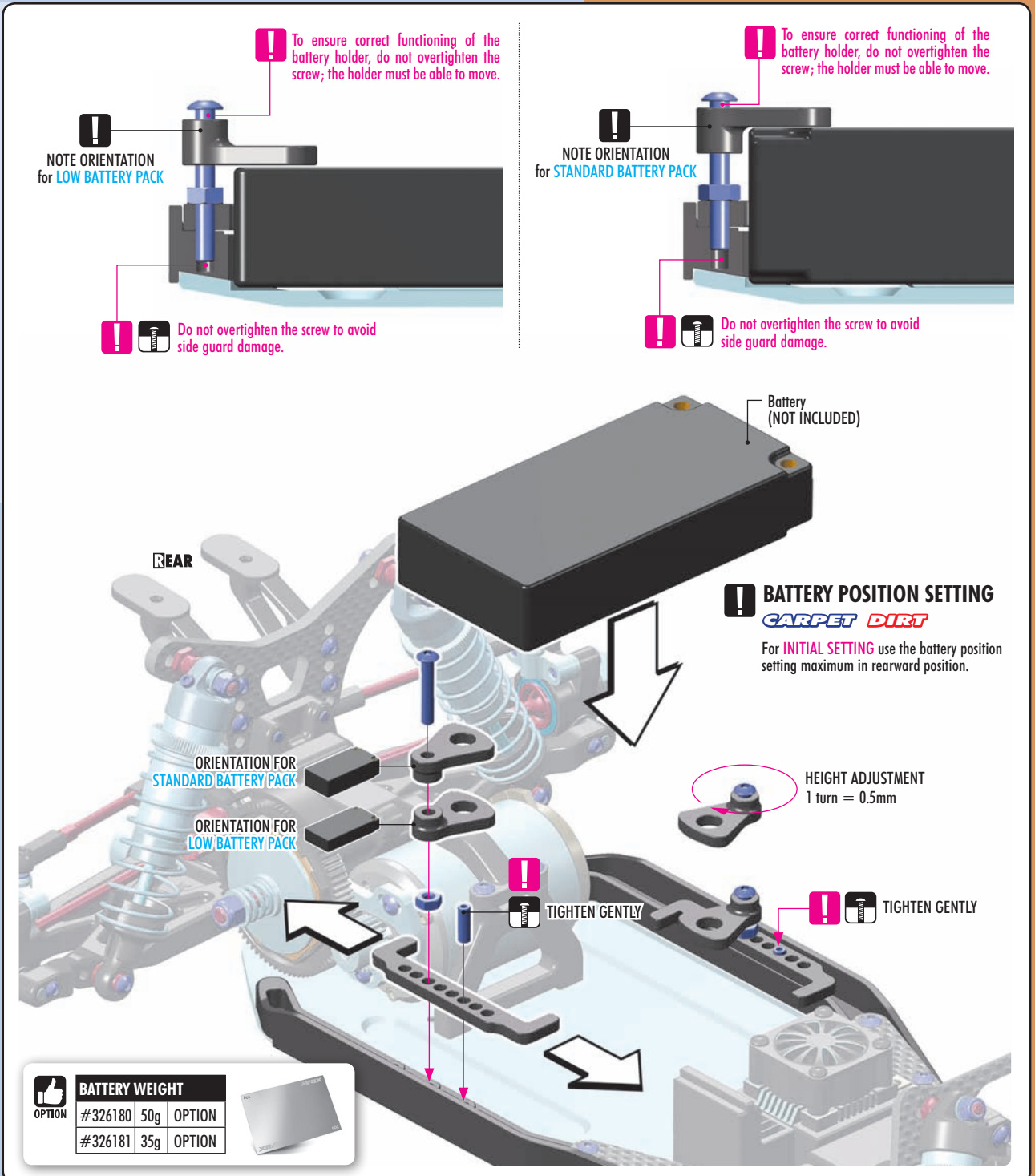
901308
SB M3x8



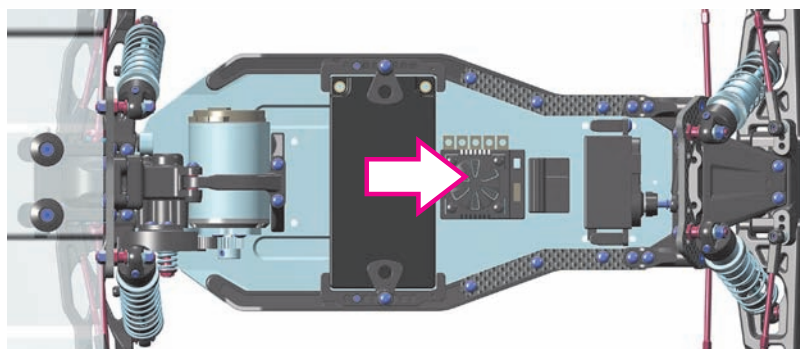
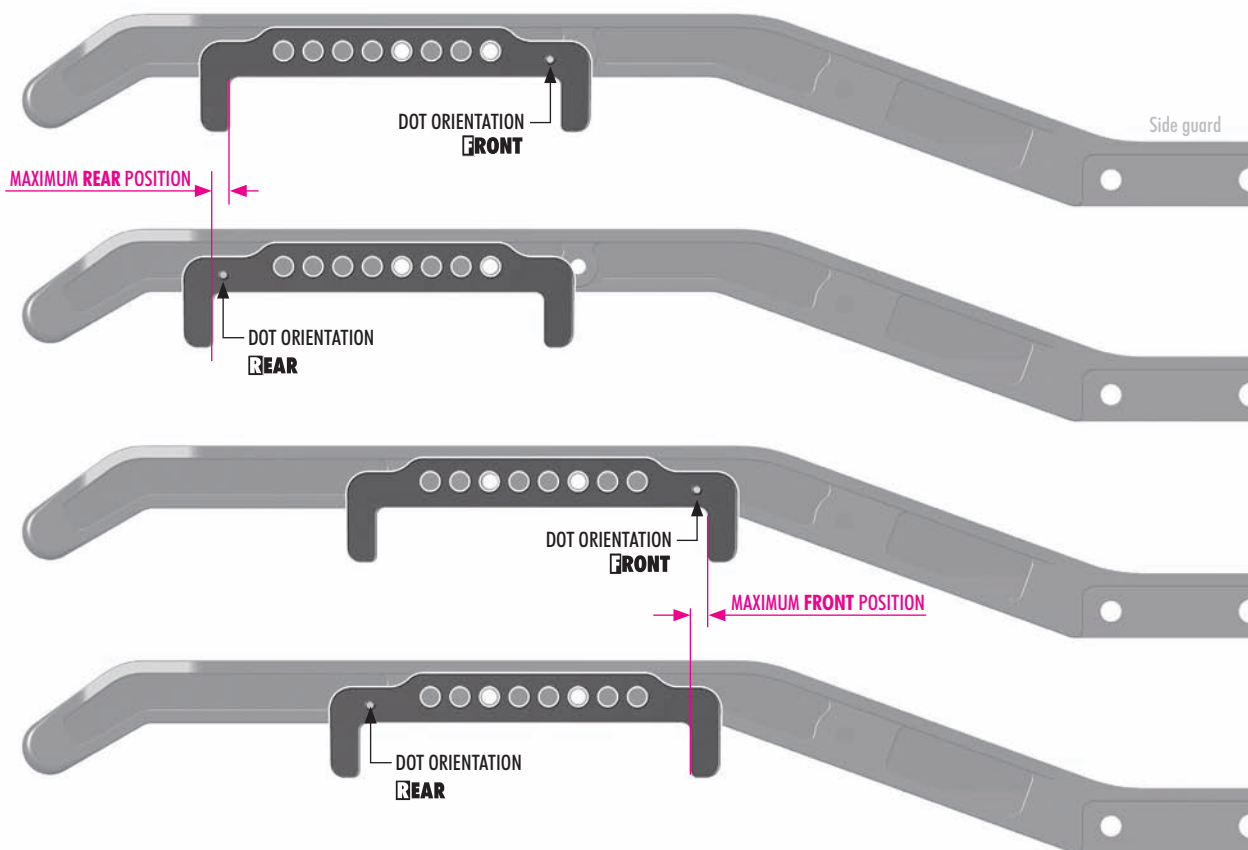
902325
SH M3x25



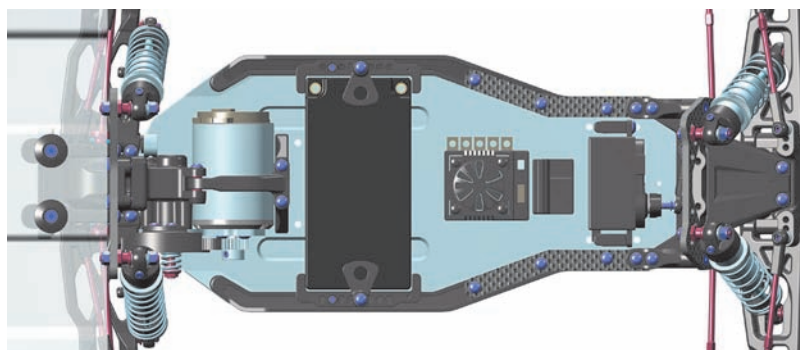
960032
NUT M3



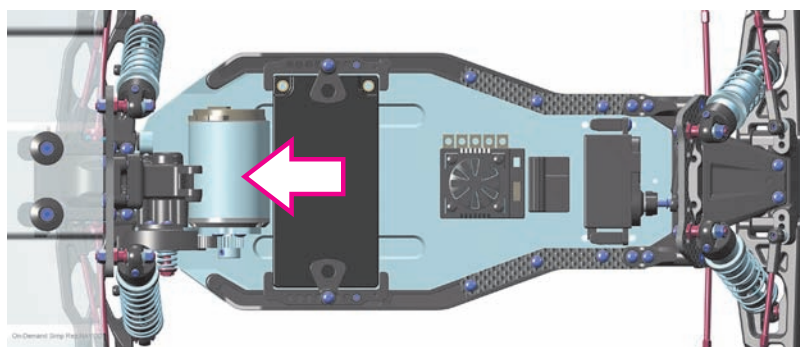
BATTERY WEIGHT		
OPTION	#326180	50g
OPTION	#326181	35g



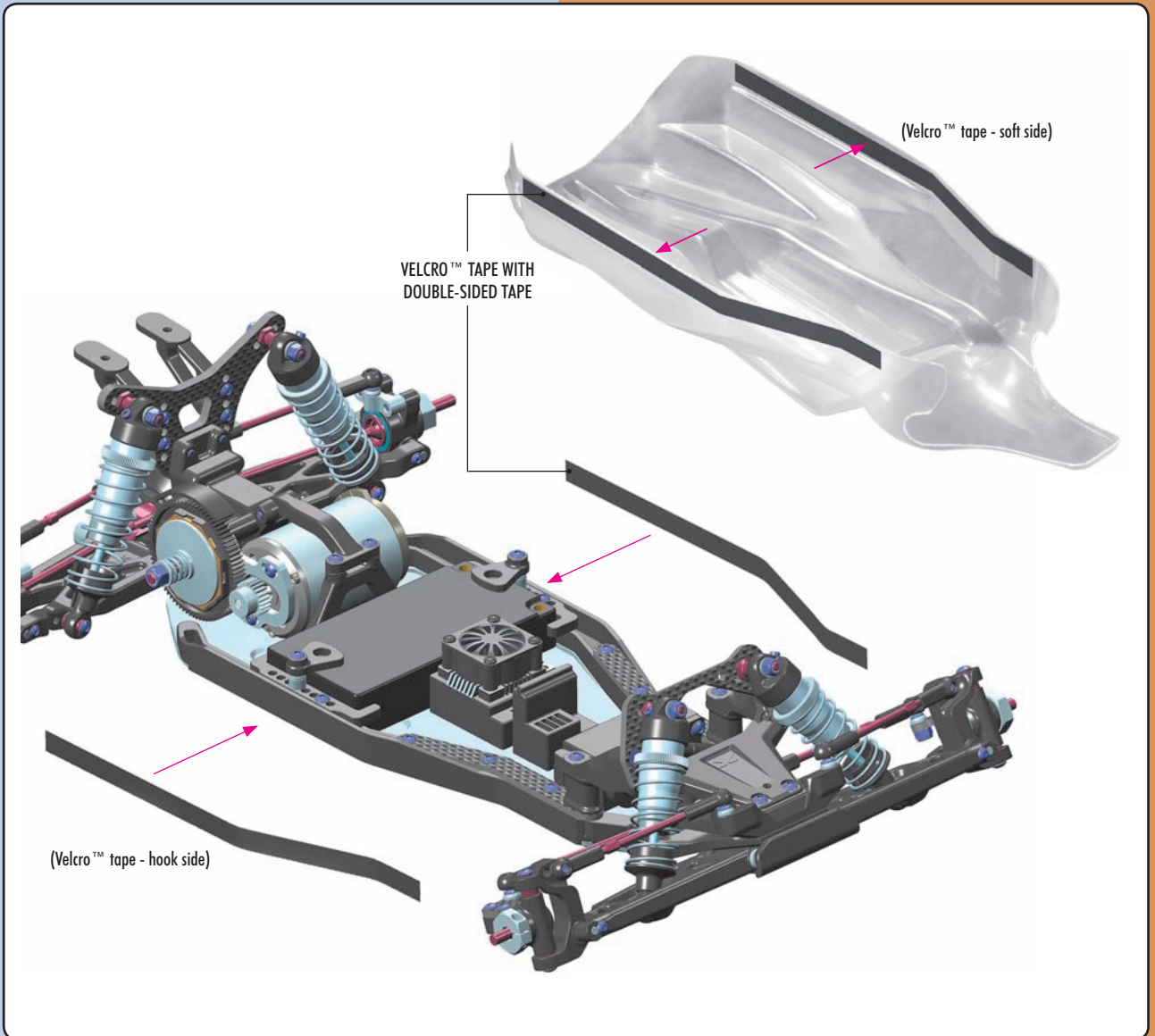
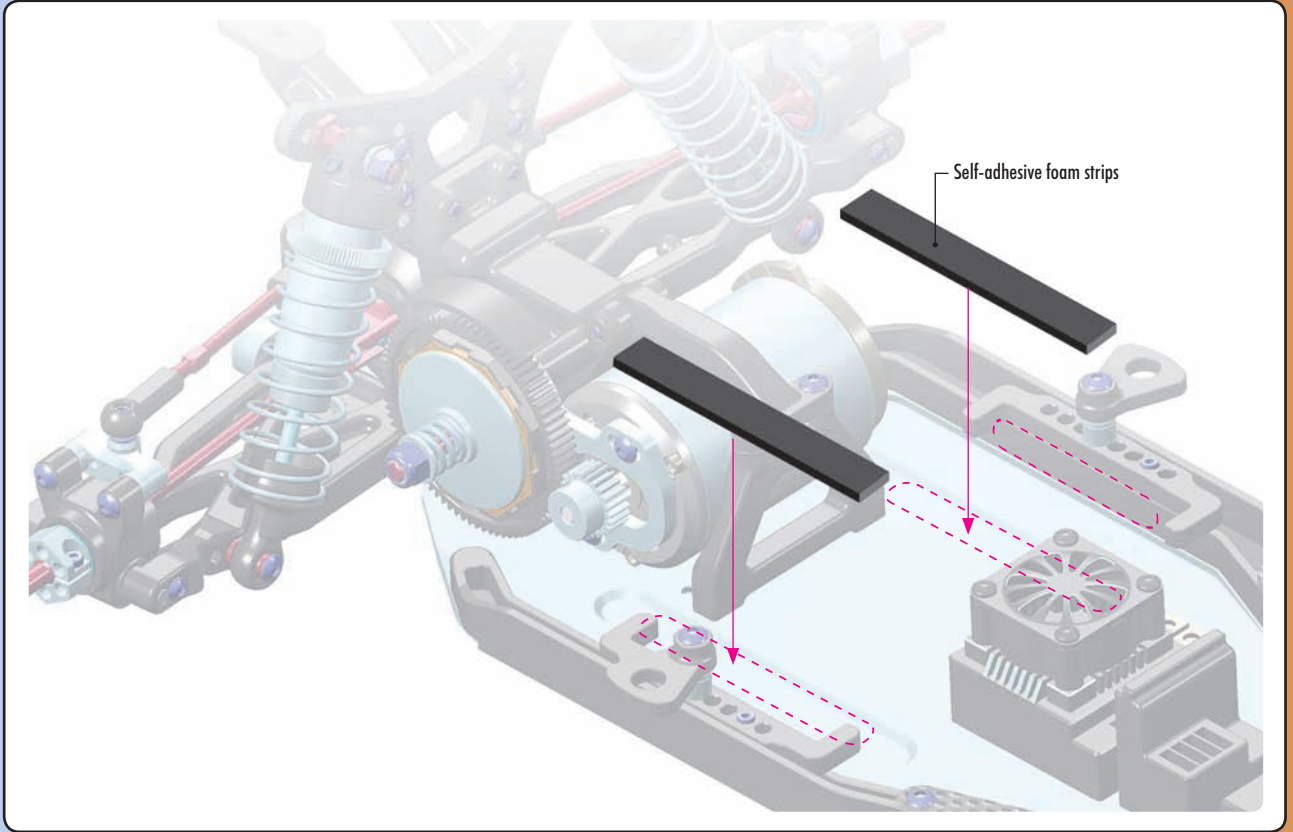
MAXIMUM FRONT POSITION



MIDDLE POSITION

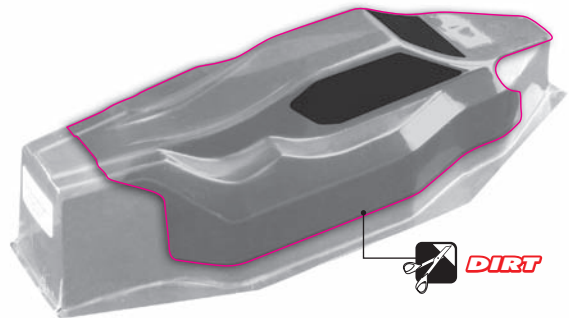
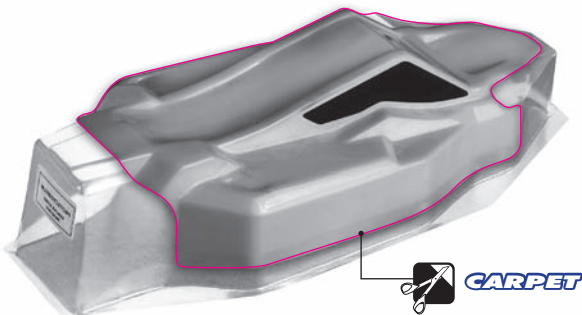
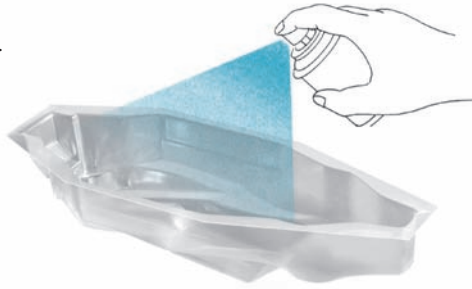


MAXIMUM REAR POSITION
(ADJUSTMENT WITHOUT UPPER BRACE)



- 1 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.
- 2 Before painting, wash the inside of the body with mild detergent, and then rinse and dry thoroughly.
- 3 Mask all windows.

- 4 Apply paint masks as appropriate.
- 5 Paint the body using paints formulated for polycarbonate bodies.
- 6 When the paint is dry, remove the masking.
- 7 Carefully cut out the body using appropriate scissors or cutting tools.
- 8 When you have finished cutting, peel off the external protective films.

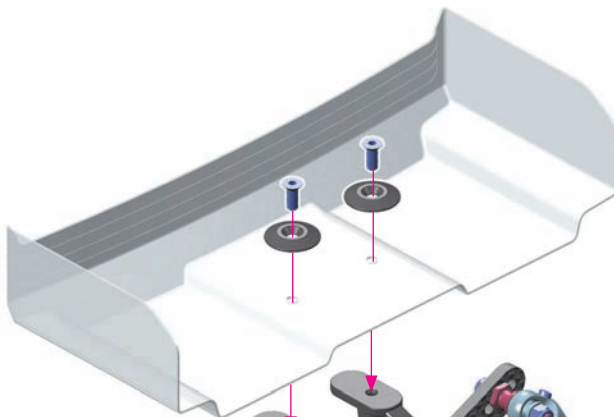


XRAY LEXAN BODY

#329700	0.75mm		OPTION
#329701	0.50mm		OPTION
#329706	0.75mm	ALPHA 2	INCLUDED
#329707	0.75mm	BETA 2	INCLUDED
#329708	0.50mm	BETA 2	OPTION
#329709	0.50mm	ALPHA 2	OPTION



903308
SFH M3x8



REAR



REAR WING SHIM

#293561	SILVER	OPTION
#293561-0	ORANGE	OPTION



XRAY LEXAN REAR WING

#323510	1.0mm	INCLUDED
#323511	1.5mm	OPTION
#323513	1.0mm	RANK INCLUDED
#323517	1.0mm	TEC OPTION
#363510	1.0mm	OPTION
#363511	1.5mm	OPTION
#363512	2.0mm	OPTION

CARPET

DIRT



XRAY LEXAN CENTER FIN

#323515	1.0mm	ZAP	OPTION
---------	-------	-----	--------

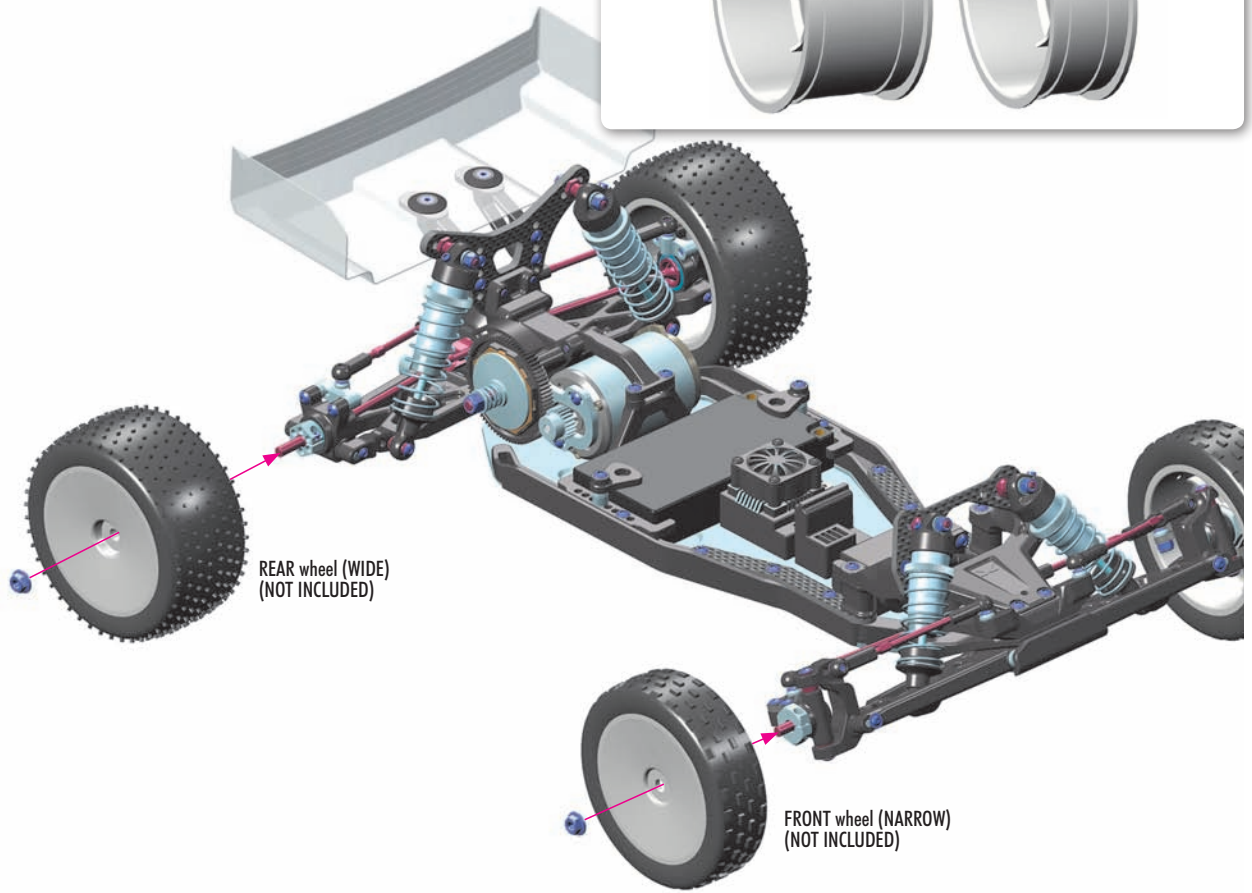
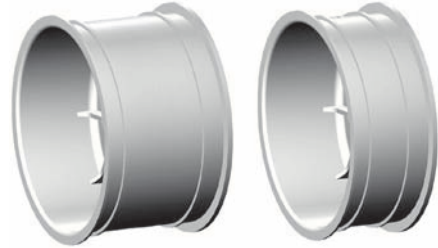


960240
N M4

4x



#329910-M 2WD FRONT WHEEL AERODISK WITH 12MM HEX IFMAR - WHITE - M (2)
#329913-M 2WD/4WD REAR WHEEL AERODISK 12MM HEX IFMAR - WHITE - M (2)



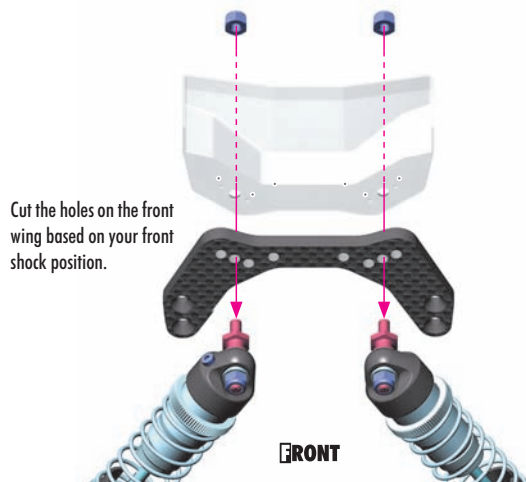
960030
NUT M3



XRAY FRONT WING

#323512		OPTION
#323516	DIV	OPTION

ALTERNATIVE 1 UPPER POSITION



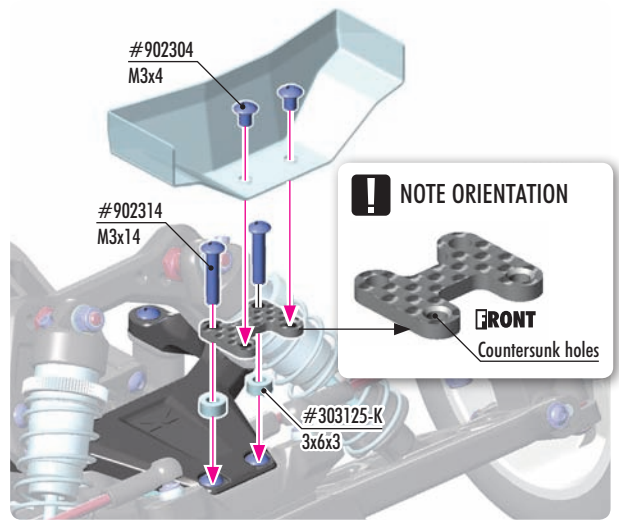
Using front wing in upper position gives more steering but also more roll.



#321190
XB2 GRAPHITE FRONT WING HOLDER



ALTERNATIVE 2 LOWER POSITION



Cut the holes on the front wing based on your wing holder. Using front wing in lower position gives more steering and less roll.

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 XB2 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.

- 1 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.
- 5 Spray the bearing on both sides again.
- 6 Blow both sides of the bearing dry with compressed air to make sure particles come out.
- 7 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.
- 8 Place one drop of bearing oil into each side of the bearing.
- 9 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.

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.

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



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.



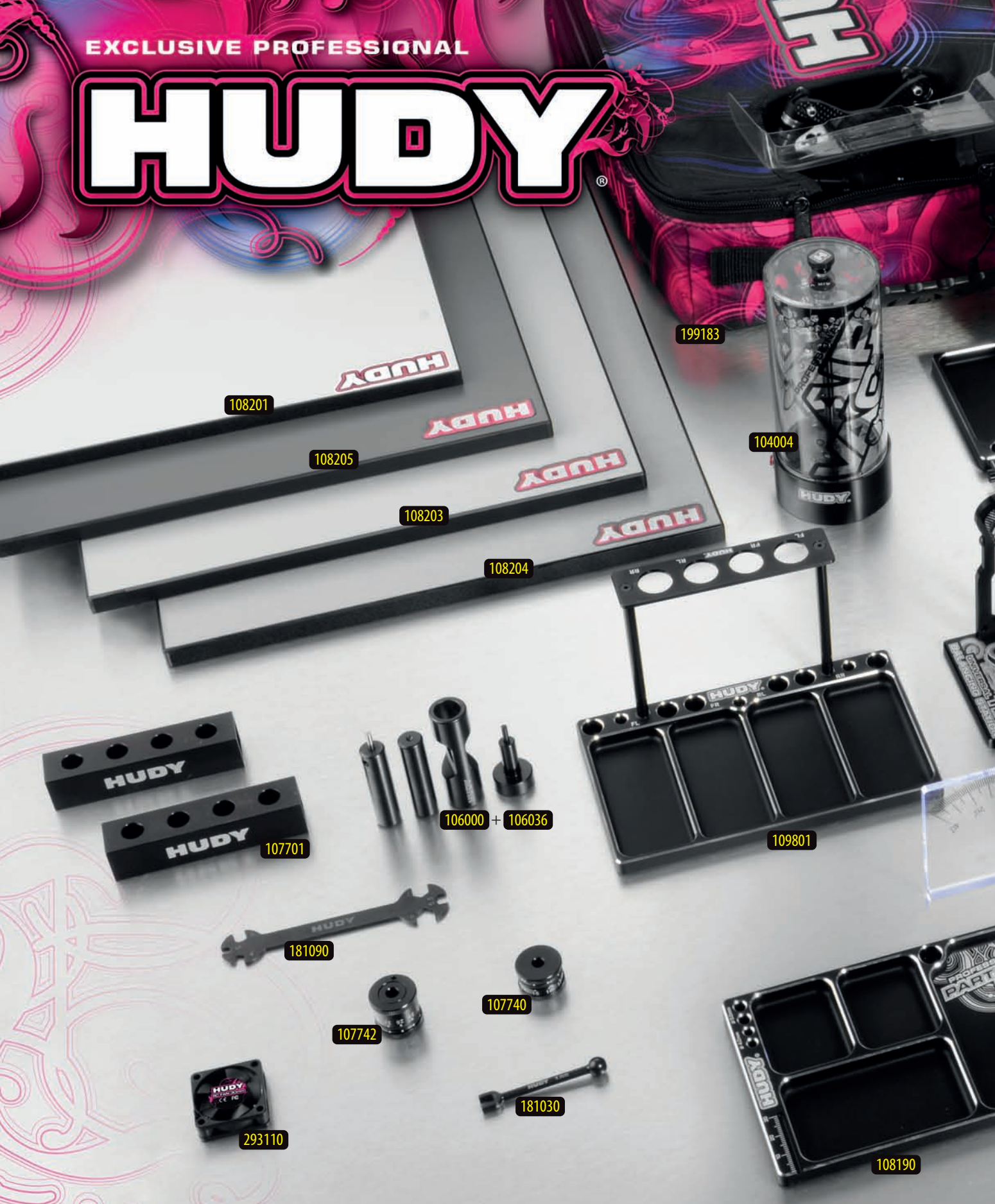
HUDY SPRING STEEL™

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

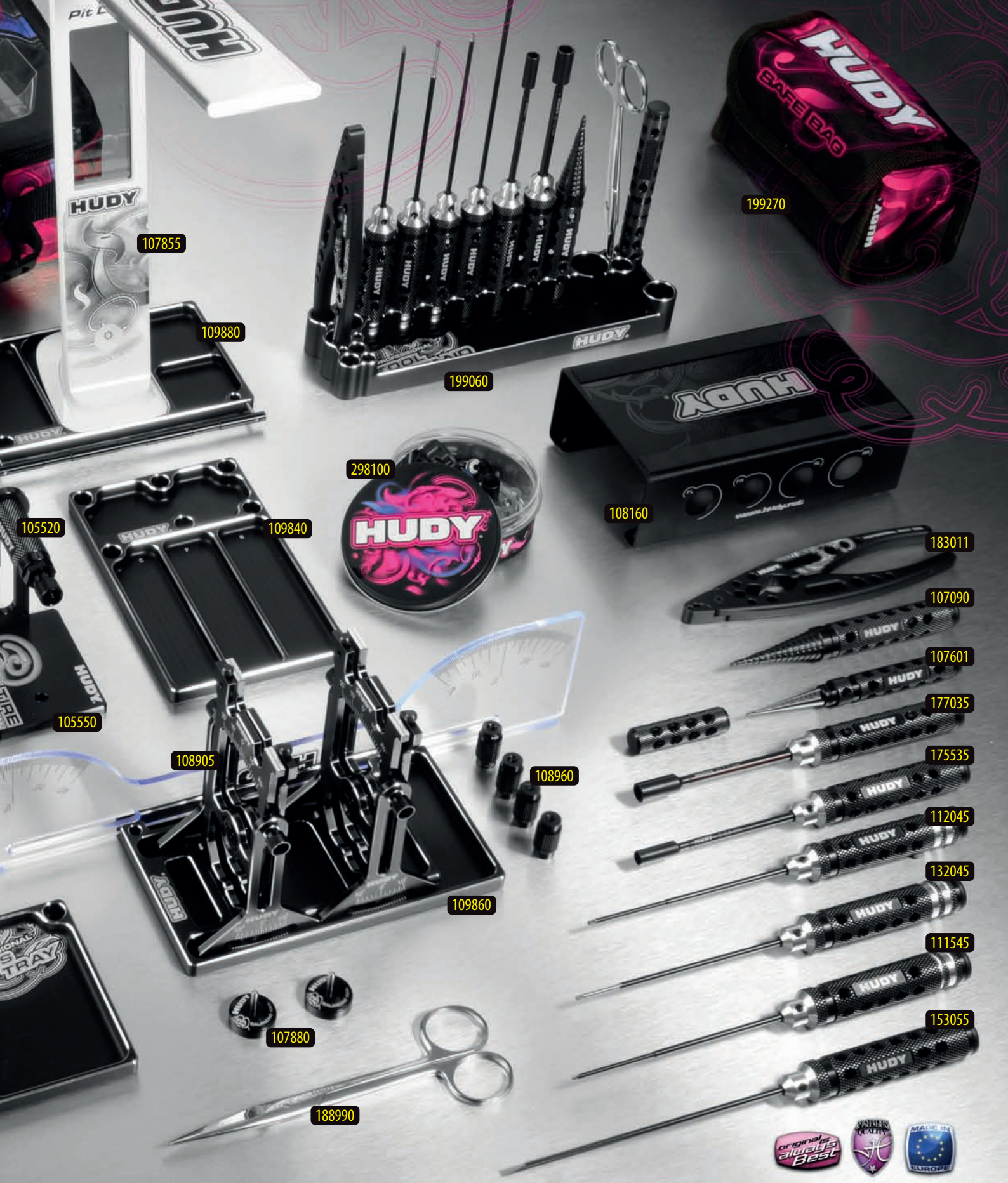
brown color will fade (get lighter) but it will not affect the strength of the material. The brown color is only a surface treatment and if the brown color will wear the durability of the part will be still strong.

EXCLUSIVE PROFESSIONAL

HUDY®



- | | | | |
|--------|---|----------|--|
| 108211 | PLASTIC SET-UP BOARD DECAL FOR 1/10 | 293110 | HUDY BRUSHLESS RC FAN 30MM |
| 108201 | FLAT SET-UP BOARD FOR 1/10 TOURING CARS | 293110XL | HUDY BRUSHLESS RC FAN 30MM - SET OF 12PCS |
| 108205 | FLAT SET-UP BOARD FOR 1/10 TOURING CARS - DARK GREY | 108190 | HUDY ALU TRAY FOR PARTS |
| 108203 | FLAT SET-UP BOARD FOR 1/10 TOURING CARS - SILVER GREY | 108190 | HUDY ALU TRAY FOR 1/10 OFF-ROAD DIFF & SHOCKS |
| 108204 | FLAT SET-UP BOARD FOR 1/10 TOURING CARS - TITAN | 109801 | HUDY ALU TRAY FOR ACCESSORIES & PIT LED |
| 107701 | CHASSIS DROOP GAUGE SUPPORT BLOCKS 20MM FOR 1/8 - LW(2) | 109880 | HUDY ALU TRAY FOR ACCESSORIES & PIT LED |
| 181090 | HUDY SPECIAL TOOL FOR TURNBUCKLES & NUTS | 107855 | HUDY PIT LED |
| 106036 | EJECTOR PIVOT PIN & ALTERNATING PIVOT 2.5MM FOR #106000 | 199183 | HUDY CAR BAG - 1/10 OFF-ROAD |
| 106000 | HUDY DRIVE PIN REPLACEMENT TOOL (FOR 3MM PINS) | 104004 | HUDY AIR VAC - VACUUM PUMP - 1/10 OFF-ROAD |
| 107742 | HUDY ADJUSTABLE RIDE HEIGHT GAUGE 20-30MM | 105520 | WHEEL ADAPTER FOR 1/10 TOURING CARS - 12MM |
| 107740 | HUDY ADJUSTABLE RIDE HEIGHT GAUGE 14-20MM | 105500 | HUDY UNIVERSAL TIRE BALANCING STATION |
| 181030 | HUDY SPRING STEEL TURNBUCKLE WRENCH 3 MM | 108905 | UNIVERSAL EXCLUSIVE SET-UP SYSTEM FOR 1/10 OFF-ROAD CARS |
| | | 109860 | HUDY ALU TRAY FOR SET-UP SYSTEM |



- 107880 CHASSIS BALANCING TOOL (2)
- 188990 HUDY PROFESSIONAL BODY SCISSORS
- 108960 ALU NUT FOR 1/10 OFF-ROAD SET-UP SYSTEM (4)
- 298100 HUDY TIN ROUND BOX 80X30MM
- 108160 HUDY 1/10 OFF-ROAD CAR STAND - V2
- 199060 HUDY ALU TOOL STAND
- 109840 HUDY ALU TRAY FOR 1/10 OFF-ROAD DIFF ASSEMBLY
- 199270 HUDY LIPO SAFETY BAG
- 183011 HUDY PROFESSIONAL MULTI TOOL
- 107090 HUDY BEARING CHECKING TOOL
- 107601 LIMITED EDITION - REAMER FOR BODY 0-9MM + COVER - SMALL
- 177035 LIMITED EDITION - SOCKET DRIVER # 7.0MM

- 175535 LIMITED EDITION - SOCKET DRIVER # 5.5MM
- 112045 LIMITED EDITION - ALLEN WRENCH # 2.0MM
- 132045 LIMITED EDITION - ALLEN WRENCH + BALL REPL. TIP # 2.0MM
- 111545 LIMITED EDITION - ALLEN WRENCH # 1.5MM
- 153055 LIMITED EDITION - SLOTTED SCREWDRIVER # 3.0MM - LONG

For more information please visit

www.hudy.net



www.teamxray.com

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