

# TRAXXAS X-B3 2

1/10 LUXURY ELECTRIC OFF-ROAD CAR 2WD

## 2018

### CARPELL EDITION



**REEDY**  
International Offroad  
Race of Champions  
**CHAMPION**

**REEDY**  
International Offroad  
Race of Champions  
**CHAMPION JUNIOR**

**2x**  
**EOS**  
EURO OFFROAD SERIES  
**WINNER**

**9x**  
**NATIONAL**  
**CHAMPION**  
**TITLES**

MADE IN  
EUROPE

# INSTRUCTION MANUAL



# INTRODUCTION

The XRAY XB2 is a modern, high-competition premium luxury racing 1/10 electric 2WD off-road buggy that is the epitome of high-performance and fine distinctive design. Your XB2 offers highest performance, responsive handling, and traditionally exceptional XRAY quality, engineering, and design. The superb craftsmanship and attention to detail are clearly evident everywhere on the XRAY XB2.

XB2 was designed around a no compromise platform; the attention to detail creates a low maintenance, extra long life electric buggy. The ultra-low center of gravity (CG) and optimized weight balance makes set-up, driving, and maintenance easy and quick.

## 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](mailto:info@teamxray.com). Also, please visit our Web site at [www.teamxray.com](http://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](http://www.teamxray.com)

**Failure to follow these instructions will be considered as abuse and/or neglect.**

## SAFETY PRECAUTIONS

Contains:

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

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

**CAUTION: CANCER HAZARD**

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

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

The XRAY XB2 was created by blending highest-quality materials and excellent design. On high-speed flat tracks or bumpy tracks, whether driving for fun or racing to win, the XB2 delivers outstanding performance, speed, and precision handling.

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Email: [xray@rcamerica.com](mailto:xray@rcamerica.com)

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

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



## IMPORTANT NOTES - GENERAL

- This product is not suitable for children under 16 years of age without the direct supervision of a responsible and knowledgeable adult.
  - Carefully read all manufacturers warnings and cautions for any parts used in the construction and use of your model.
  - Assemble this kit only in places away from the reach of very small children.
  - First-time builders and users should seek advice from people who have building experience in order to assemble the model correctly and to allow the model to reach its performance potential.
  - Exercise care when using tools and sharp instruments.
  - Take care when building, as some parts may have sharp edges.
  - Keep small parts out of reach of small children. Children must not be allowed to put any parts in their mouth, or pull vinyl bag over their head.
  - Read and follow instructions supplied with paints and/or cement, if used (not included in kit).
  - Immediately after using your model, do NOT touch equipment on the model such as the motor and speed controller, because they generate high temperatures. You may seriously burn yourself seriously touching them.
  - Follow the operating instructions for the radio equipment at all times.
  - Do not put fingers or any objects inside rotating and moving parts, as this may cause damage or serious injury as your finger, hair, clothes, etc. may get caught.
  - Be sure that your operating frequency is clear before turning on or running your model, and never share the same frequency with somebody else at the same time. Ensure that others are aware of the operating frequency you are using and when you are using it.
  - Use a transmitter designed for ground use with RC cars. Make sure that no one else is using the same frequency as yours in your operating area. Using the same frequency at the same time, whether it is driving, flying or sailing, can cause loss of control of the RC model, resulting in a serious accident.
  - Always turn on your transmitter before you turn on the receiver in the car. Always turn off the receiver before turning your transmitter off.
  - Keep the wheels of the model off the ground when checking the operation of the radio equipment.
  - Disconnect the battery pack before storing your model.
  - When learning to operate your model, go to an area that has no obstacles that can damage your model if your model suffers a collision.
  - Remove any sand, mud, dirt, grass or water before putting your model away.
  - If the model behaves strangely, immediately stop the model, check and clear the problem.
  - To prevent any serious personal injury and/or damage to property, be responsible when operating all remote controlled models.
  - The model car is not intended for use on public places and roads or areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
  - Because the model car is controlled by radio, it is subject to radio interference from many sources that are beyond your control. Since radio interference can cause momentary loss of control, always allow a safety margin in all directions around the model in order to prevent collisions.
  - Do not use your model:
    - Near real cars, animals, or people that are unaware that an RC car is being driven.
    - In places where children and people gather
    - In residential districts and parks
    - In limited indoor spaces
    - In 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 R/C models with damaged wires. A damaged wire is extremely dangerous, and can cause short-circuits resulting in fire. Please have wires repaired at your local hobby shop.
- Low battery power will result in loss of control. Loss of control can occur due to a weak battery in either the transmitter or the receiver. Weak running battery may also result in an out of control car if your car's receiver power is supplied by the running battery. Stop operation immediately if the car starts to slow down.
- When not using RC model, always disconnect and remove battery.
- Do not disassemble battery or cut battery cables. If the running battery short-circuits, approximately 300W of electricity can be discharged, leading to fire or burns. Never disassemble battery or cut battery cables.
- Use a recommended charger for the receiver and transmitter batteries and follow the instructions correctly. Over-charging, incorrect charging, or using inferior chargers can cause the batteries to become dangerously

hot. Recharge battery when necessary. Continual recharging may damage battery and, in the worst case, could build up heat leading to fire. If battery becomes extremely hot during recharging, please ask your local hobby shop for check and/or repair and/or replacement.

- Regularly check the charger for potential hazards such as damage to the cable, plug, casing or other defects. Ensure that any damage is rectified before using the charger again. Modifying the charger may cause 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](http://www.teamxray.com) to get advice, or contact us via email at [info@teamxray.com](mailto: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 additions 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) 	RC Shock-Plier Uni Tool (HUDY #183011) 
Tweezer 	<b>HUDY TOOLS:</b>      					

## ITEMS INCLUDED

HUDY Premium Silicone Oils Oil 400cSt (#106340) 	HUDY Premium Silicone Oils Oil 500cSt (#106350) 	HUDY Premium Silicone Oils Oil 5000cSt (#106450) 	Graphite Grease (HUDY #106210) 
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## 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 



NOT INCLUDED

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.



XRAY offers wide range of optional tuning parts which are listed in tables like these. 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.



SAMPLE OF OPTIONAL PARTS

#32XXXX	TYPE	OPTION 1
#32XXXX	TYPE	OPTION 2
#32XXXX	TYPE	INCLUDED
#32XXXX	TYPE	OPTION 3

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:

365884

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.

XB2 TECH TIPS

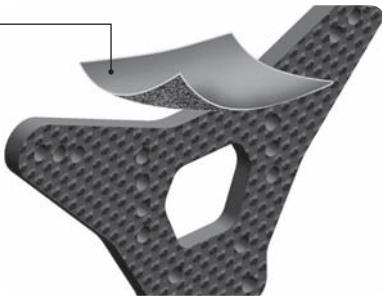
TIP GRAPHITE PARTS PROTECTION

Protect all XB2 Graphite Parts:

- Front shock tower
- Rear shock tower

Fine sandpaper

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

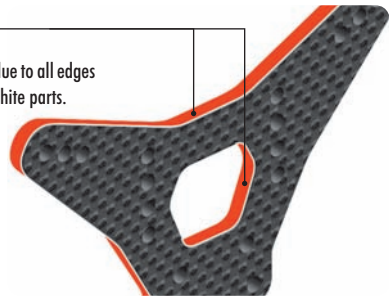


! SHOCK TOWER PROTECTION

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



Apply CA glue to all edges of the graphite parts.

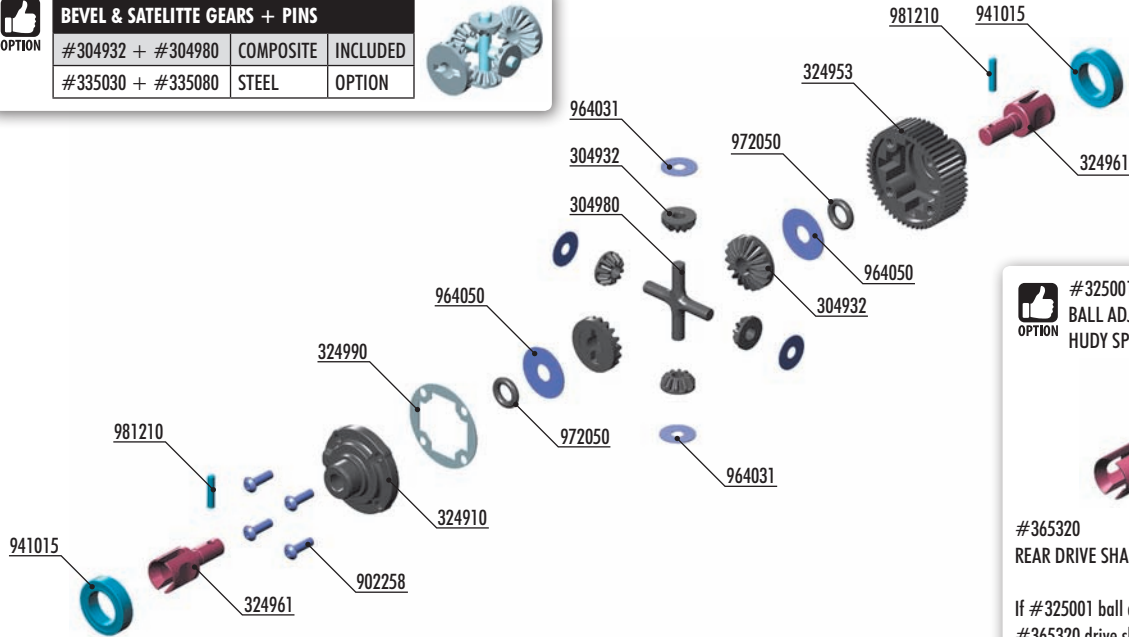


# 1. REAR DIFFERENTIAL



## BEVEL & SATELLITE GEARS + PINS

#304932 + #304980	COMPOSITE	INCLUDED
#335030 + #335080	STEEL	OPTION



#325001  
BALL ADJUSTABLE DIFFERENTIAL SET  
HUDY SPRING STEEL™



#365320  
REAR DRIVE SHAFT 67MM - HUDY SPRING STEEL™

If #325001 ball diff will be used than also  
#365320 drive shafts (2x) must be used together.

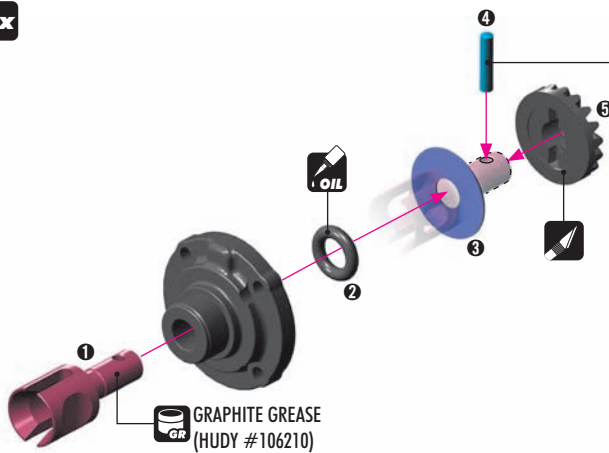
BAG

01

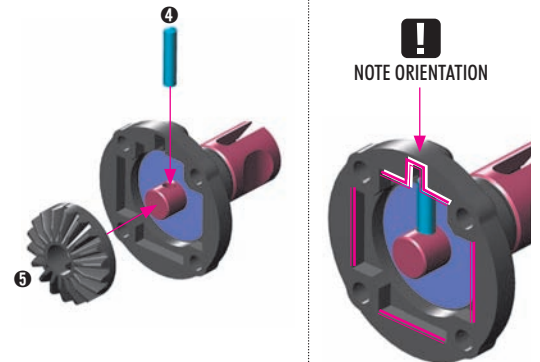
- 30 4932 GRAPHITE GEAR DIFF BEVEL & SATELLITE GEARS (2+4)
- 30 4980 COMPOSITE GEAR DIFF CROSS PIN
- 32 4990 DIFF GASKET (4)
- 32 4901 GEAR DIFFERENTIAL FOR 2.5MM PIN - SET
- 32 4910 COMPOSITE GEAR DIFFERENTIAL CASE
- 32 4953 COMPOSITE GEAR DIFFERENTIAL CASE WITH PULLEY 53T
- 32 4961 GEAR DIFF OUTDRIVE ADAPTER - HUDY SPRING STEEL™ (2)

- 90 2258 HEX SCREW SH M2.5x8 (10)
- 94 1015 HIGH-SPEED BALL-BEARING 10x15x4 RUBBER SEALED (2)
- 96 4031 WASHER S 3.5x10x0.2 (10)
- 96 4050 WASHER S 5x15x0.3 (10)
- 97 2050 SILICONE O-RING 5x2 (10)
- 98 1210 PIN 2x10 (10)

2x

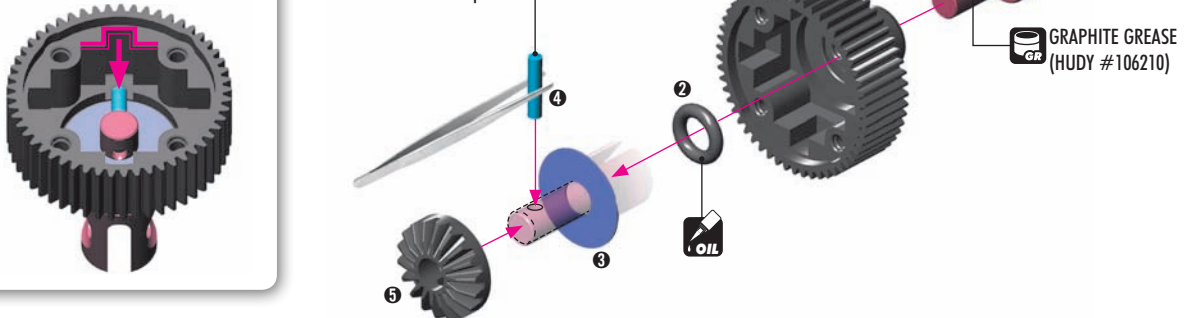


STEP 4 5



NOTE ORIENTATION

Use tweezer to insert pin

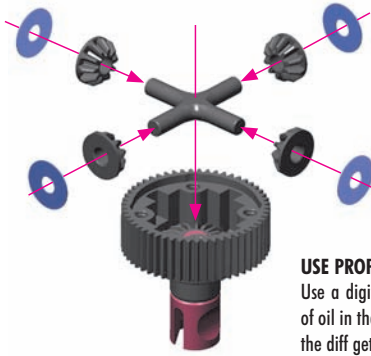




# 1. REAR DIFFERENTIAL



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.

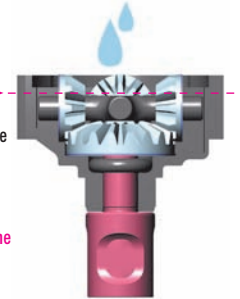


## Rear diff

Silicone oil **5 000cSt**  
Fill just above the diff pin.

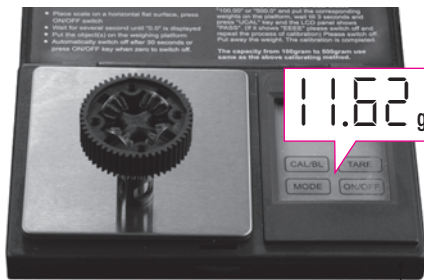


Fill differential up to the top of the diff pin.



**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 11.62g)

#107865

HUDY Ultimate Digital Pocket Scale 300g ± 0.01g



$$11.62g + 0.95g = 12.57g$$



2 Slowly pour oil into the diff and watch the weight. Add 0.95g of oil into the diff. The approximate weight of the diff including oil is 12.57g.

## TIP TIPS FOR REAR DIFFERENTIAL

LOW-MEDIUM TRACTION 3 000cSt (HUDY #106430)  
MEDIUM-HIGH TRACTION 5 000cSt (HUDY #106450)

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



OPTION

## HUDY ULTIMATE SILICONE OILS

#106410	1000 cSt - 50ml	OPTION
#106420	2000 cSt - 50ml	OPTION
#106430	3000 cSt - 50ml	OPTION
#106440	4000 cSt - 50ml	OPTION
#106450	5000 cSt - 50ml	INCLUDED
#106460	6000 cSt - 50ml	OPTION
#106470	7000 cSt - 50ml	OPTION

**SET-UP BOOK**

DIFFERENTIAL OIL



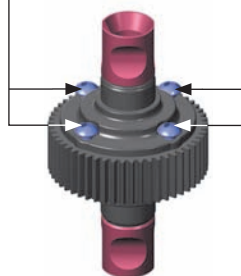
902258  
SH M2.5x8



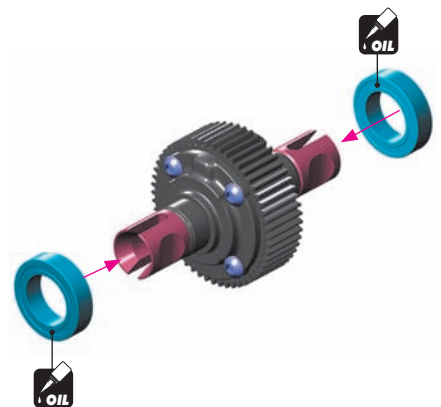
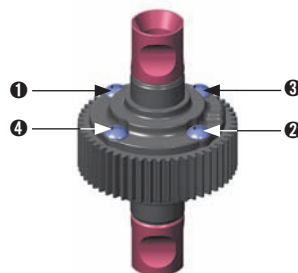
941015  
BB 10x15x4



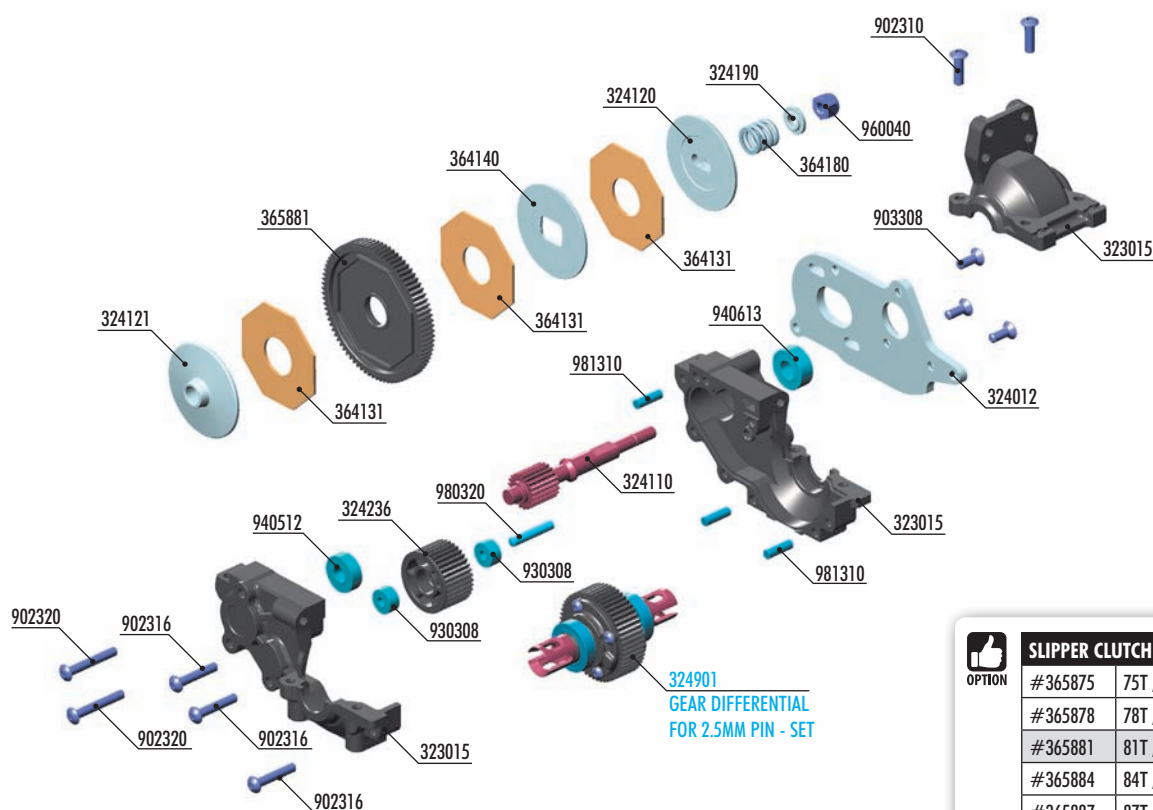
Tighten the screws equally but do NOT tighten them completely.



Finish tightening in this order.



## 2. REAR TRANSMISSION



### SLIPPER CLUTCH SPUR GEARS

OPTION			
#365875	75T / 48	OPTION	
#365878	78T / 48	OPTION	
#365881	81T / 48	INCLUDED	
#365884	84T / 48	OPTION	
#365887	87T / 48	OPTION	



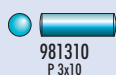
### BAG

02

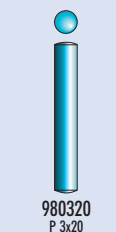
- 32 3015 COMPOSITE FRONT-MID MOTOR GEAR BOX (3 GEARS) - NARROW - SET
- 32 4012 ALU FRONT-MID MOTOR (3 GEARS) PLATE - SWISS 7075 T6 (3MM)
- 32 4110 ALU TOP SHAFT 20T - SWISS 7075 T6 - HARD COATED
- 32 4120 ALU 3-PAD SLIPPER CLUTCH PLATE - SWISS 7075 T6
- 32 4121 ALU 3-PAD SLIPPER CLUTCH PLATE WITH ADAPTER
- 32 4190 ALU 3-PAD SLIPPER CLUTCH SHIM
- 32 4236 COMPOSITE GEAR 36T - GRAPHITE
- 36 4131 SLIPPER CLUTCH PAD "SLS" - V2 (2)
- 36 4140 ALU 3-PAD SLIPPER CLUTCH PLATE DISC - 7075 T6
- 36 4180 SLIPPER CLUTCH SPRING C=30 - BLACK
- 36 5881 COMPOSITE 3-PAD SLIPPER CLUTCH SPUR GEAR 81T / 48

- 90 2310 HEX SCREW SH M3x10 (10)
- 90 2316 HEX SCREW SH M3x16 (10)
- 90 2320 HEX SCREW SH M3x20 (10)
- 90 3308 HEX SCREW SFH M3x8 (10)
- 93 0308 BALL-BEARING 3x8x4 (2)
- 94 0512 HIGH-SPEED BALL-BEARING 5x12x4 RUBBER SEALED (2)
- 94 0613 HIGH-SPEED BALL-BEARING 6x13x5 RUBBER SEALED (2)
- 96 0040 NUT M4 (10)
- 98 0320 PIN 3x20 (10)
- 98 1310 PIN 3x10 (10)

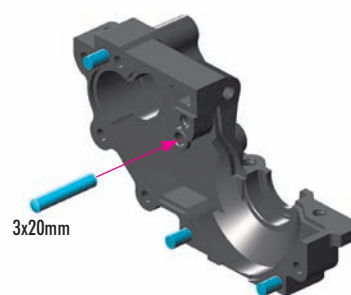
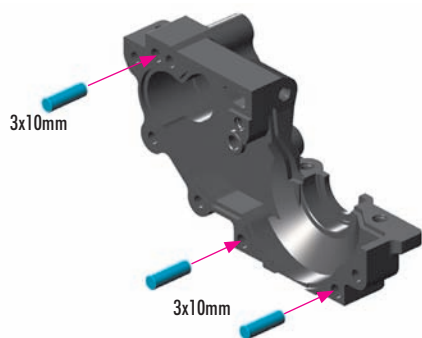
32 4901 GEAR DIFFERENTIAL FOR 2.5MM PIN - SET



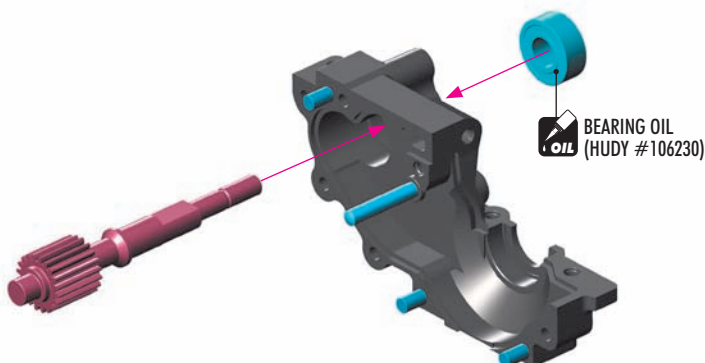
981310  
P 3x10



980320  
P 3x20



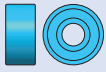
940613  
BB 6x13x5



BEARING OIL  
(HUDY #106230)



## 2. REAR TRANSMISSION



930308  
BB 3x8x4

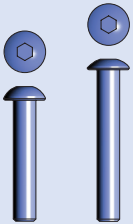
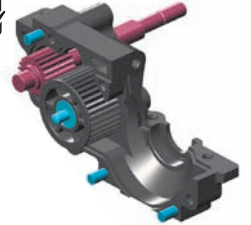
GRAPHITE GREASE  
(HUDY #106210)



NOTE ORIENTATION

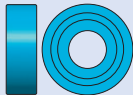


BEARING OIL  
(HUDY #106230)



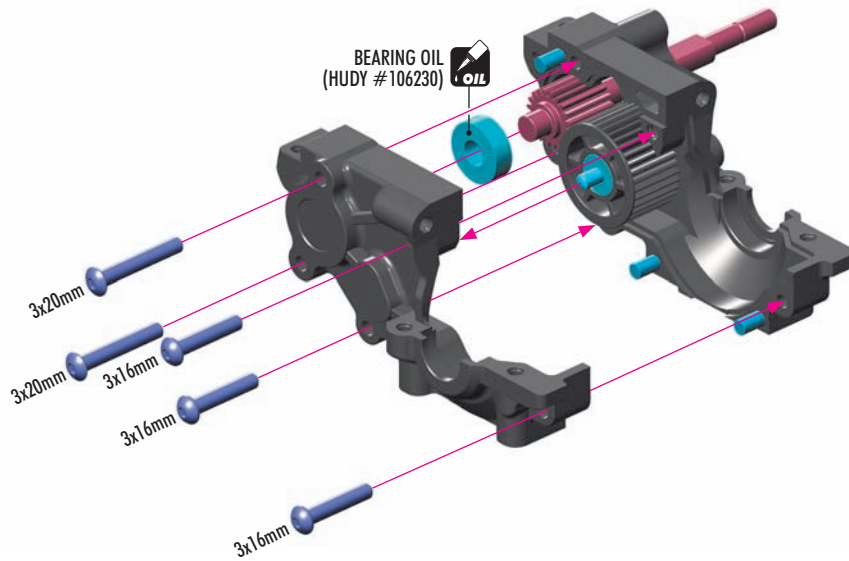
902316  
SH M3x16

902320  
SH M3x20

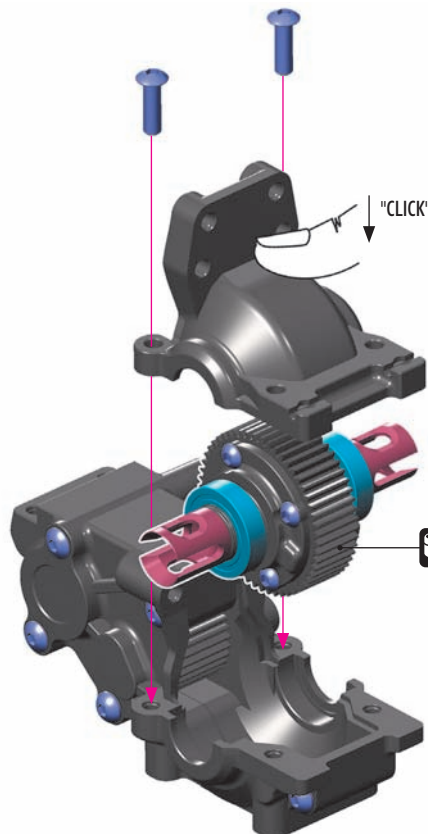


940512  
BB 5x12x4

BEARING OIL  
(HUDY #106230)



902310  
SH M3x10

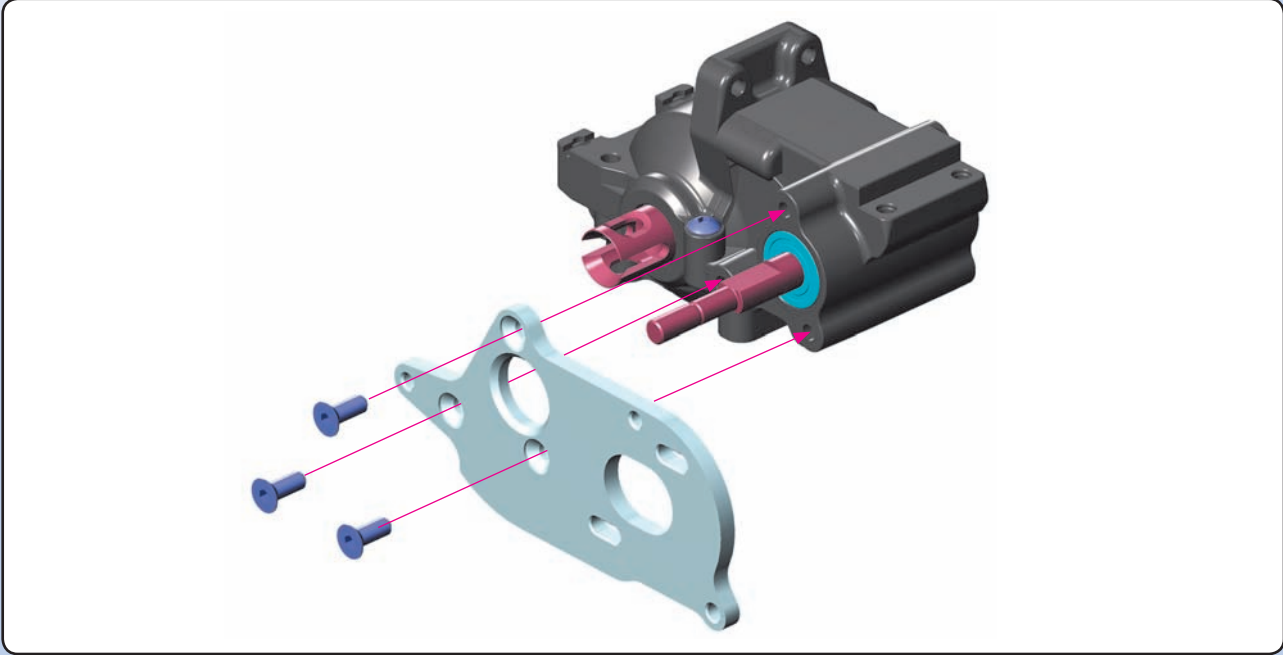


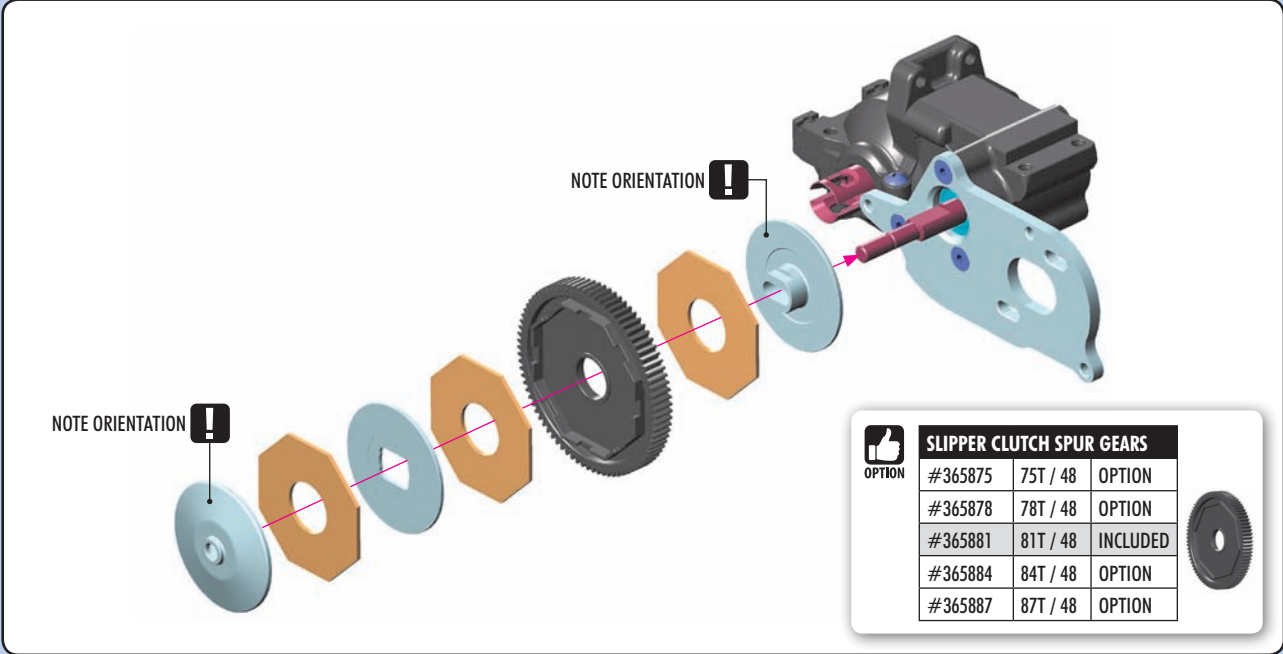
GRAPHITE GREASE  
(HUDY #106210)

2. REAR TRANSMISSION



903308  
SFH M3x8






NOTE ORIENTATION !

NOTE ORIENTATION !

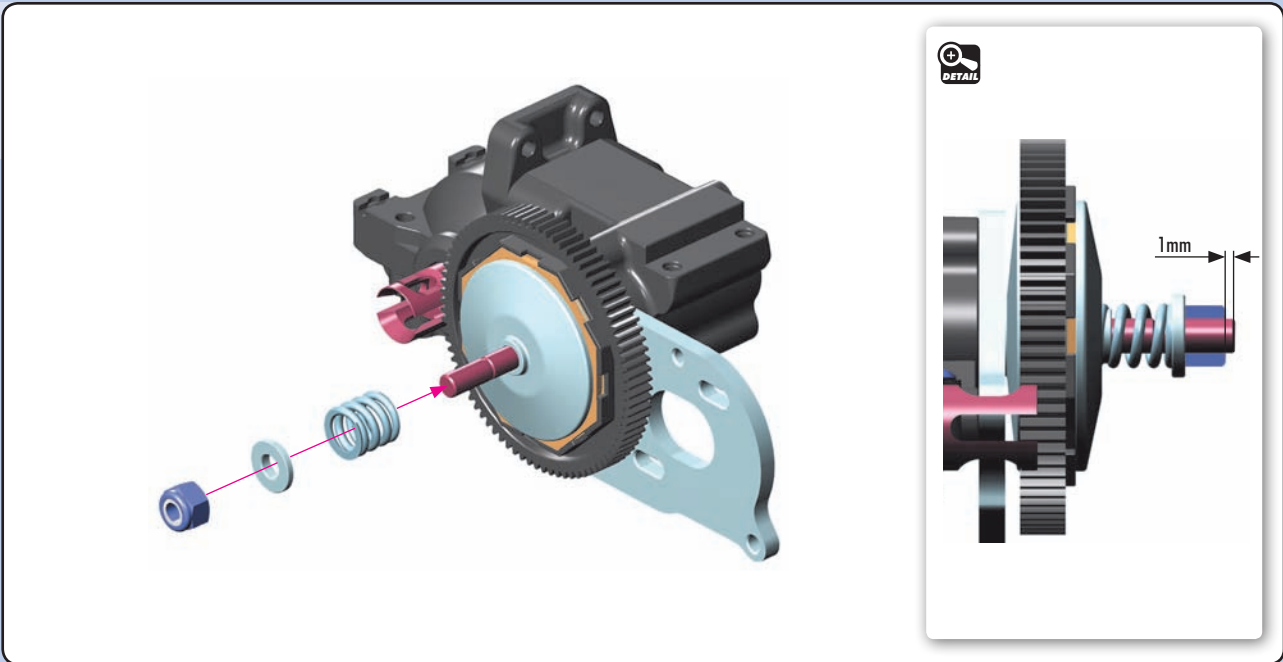
OPTION

SLIPPER CLUTCH SPUR GEARS		
#365875	75T / 48	OPTION
#365878	78T / 48	OPTION
#365881	81T / 48	INCLUDED
#365884	84T / 48	OPTION
#365887	87T / 48	OPTION



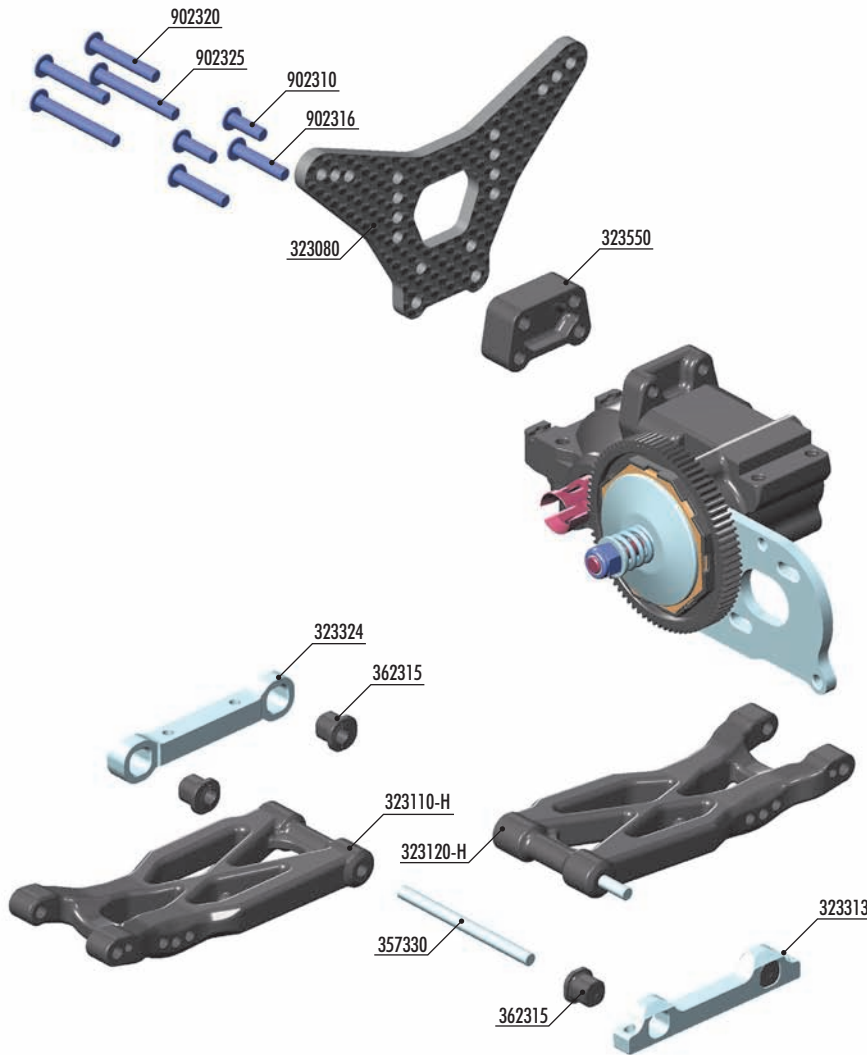


960040  
N M4

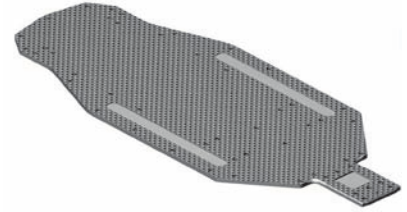




### 3. REAR SUSPENSION



**#321102**  
XB2 GRAPHITE CHASSIS 2.5MM



**#321103**  
ALU CHASSIS - FLEX - SWISS 7075 T6 (2MM)



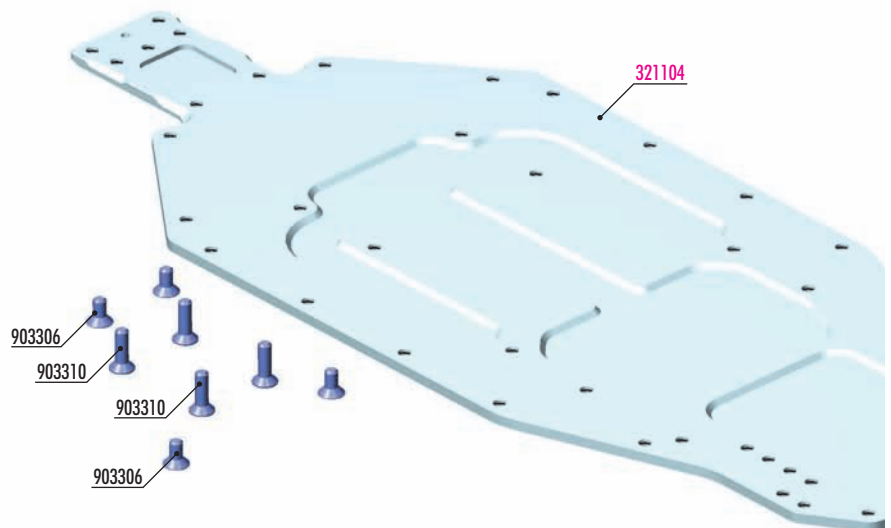
#### NARROW REAR SUSPENSION HOLDERS

#323312	BRASS	FRONT	OPTION
#323313	ALU	FRONT	INCLUDED
#323323	BRASS	REAR	OPTION
#323324	ALU	REAR	INCLUDED



#### REAR SUSPENSION ARMS

#323110-M	RIGHT - MEDIUM	OPTION
#323120-M	LEFT - MEDIUM	OPTION
#323110-H	RIGHT - HARD	INCLUDED
#323120-H	LEFT - HARD	INCLUDED
#323110-G	RIGHT - GRAPHITE	OPTION
#323120-G	LEFT - GRAPHITE	OPTION



**BAG**

**03**

32 3080 GRAPHITE SHOCK TOWER REAR 3.5MM  
32 3110-H COMPOSITE SUSPENSION ARM REAR LOWER RIGHT - HARD  
32 3120-H COMPOSITE SUSPENSION ARM REAR LOWER LEFT - HARD  
32 3313 ALU REAR LOWER SUSP. HOLDER - NARROW - FRONT - 7075 T6 (5MM)  
32 3324 ALU REAR LOWER SUSP. HOLDER - NARROW - REAR - 7075 T6 (5MM)  
32 3550 COMPOSITE REAR SHOCK TOWER ADJUSTING SHIM  
35 7330 REAR LOWER OUTER PIVOT PIN (2)  
36 2315 ECCENTRIC BUSHING SET (2)

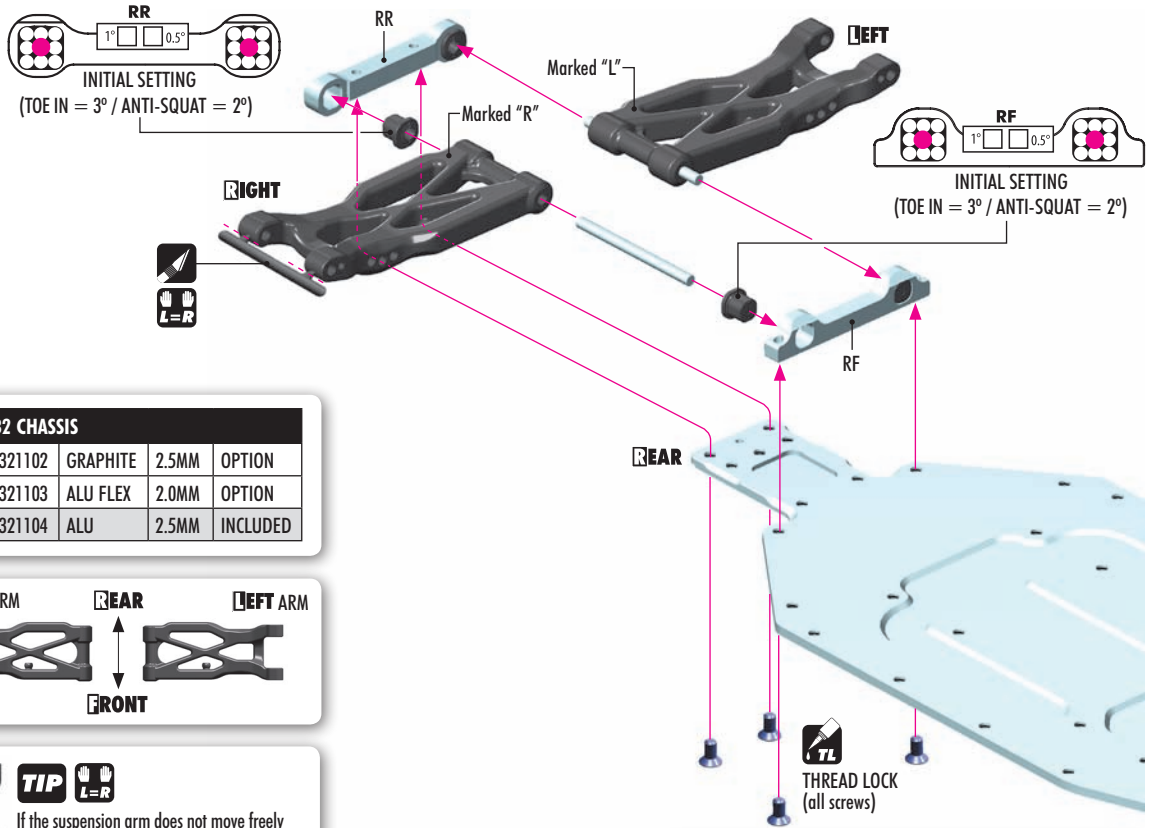
90 2310 HEX SCREW SH M3x10 (10)  
90 2316 HEX SCREW SH M3x16 (10)  
90 2320 HEX SCREW SH M3x20 (10)  
90 2325 HEX SCREW SH M3x25 (10)  
90 3306 HEX SCREW SFH M3x6 (10)  
90 3310 HEX SCREW SFH M3x10 (10)

**32 1104 ALU CHASSIS - SWISS 7075 T6 (2.5MM)**

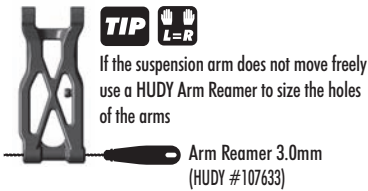
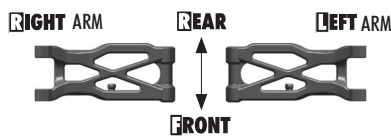
### 3. REAR SUSPENSION



903306  
SFH M3x6



OPTION	XB2 CHASSIS			
#321102	GRAPHITE	2.5MM	OPTION	
#321103	ALU FLEX	2.0MM	OPTION	
#321104	ALU	2.5MM	INCLUDED	

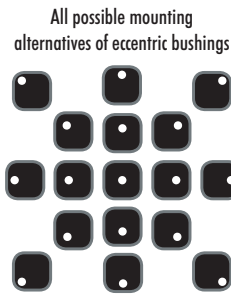
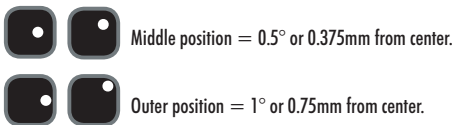


OPTION	NARROW REAR SUSPENSION HOLDERS			
#323312	BRASS	FRONT	OPTION	
#323313	ALU	FRONT	INCLUDED	
#323323	BRASS	REAR	OPTION	
#323324	ALU	REAR	INCLUDED	

OPTION	REAR SUSPENSION ARMS			
#323110-M	RIGHT	MEDIUM	OPTION	
#323120-M	LEFT	MEDIUM	OPTION	
#323110-H	RIGHT	HARD	INCLUDED	
#323120-H	LEFT	HARD	INCLUDED	
#323110-G	RIGHT	GRAPHITE	OPTION	
#323120-G	LEFT	GRAPHITE	OPTION	

MEDIUM - For very-low & low traction  
HARD - For medium & high traction  
GRAPHITE - For high & very-high traction

ECCENTRIC BUSHINGS HAVE TWO DIFFERENT OFFSETS FROM THE CENTER.



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		
RR	RF	(°)
□	□	= 2°
□	□	= 3°
□	□	= 1°
□	□	= 3°
□	□	= 2°
□	□	= 4°
□	□	= 1°
□	□	= 2°
□	□	= 0°

ROLL CENTER		
RR	RF	(mm)
□	□	= +0.75mm
□	□	= 0mm
□	□	= -0.75mm

TRACK-WIDTH		
RR	RF	(mm)
□	□	= +1.5mm
□	□	= 0mm
□	□	= -1.5mm

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:

$$0(RR) - 0(RF) = 2^\circ$$

$$0(RR) - 0.5(RF) = 2.5^\circ$$

$$0(RR) - 1(RF) = 3^\circ$$

TOE-IN		
RR	RF	(°)
□	□	= 4°
□	□	= 5°
□	□	= 3°
□	□	= 3°
□	□	= 4°
□	□	= 2°
□	□	= 5°
□	□	= 6°
□	□	= 4°



### 3. REAR SUSPENSION

#### ALTERNATIVE 1

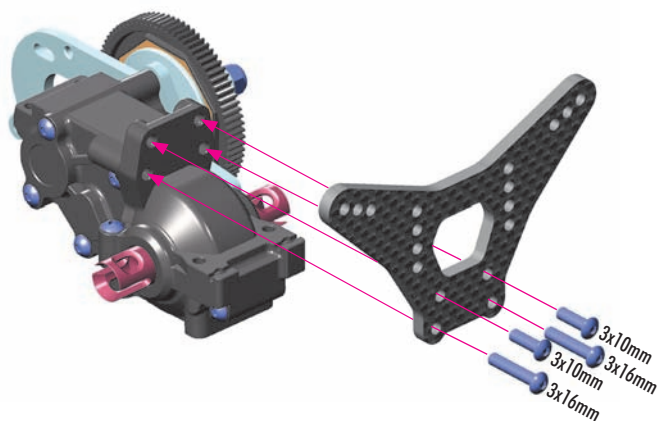
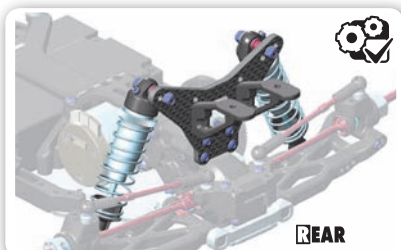
SHOCKS MOUNTED IN FRONT OF REAR SHOCK TOWER  
(INITIAL SETTING)



902310  
SH M3x10



902316  
SH M3x16



#### ALTERNATIVE 2

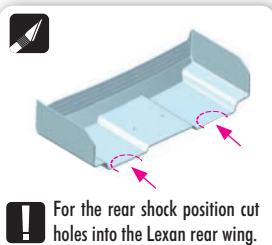
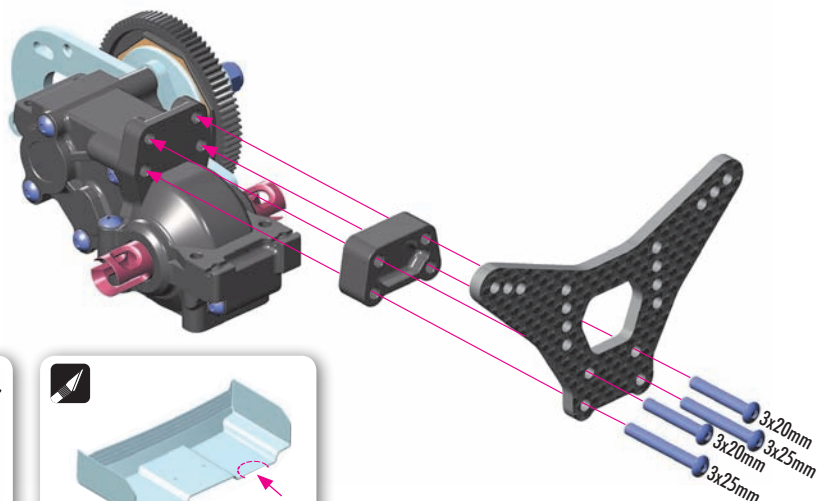
SHOCKS MOUNTED BEHIND REAR SHOCK TOWER  
**DO NOT USE FOR BASIC SET-UP**



902320  
SH M3x20



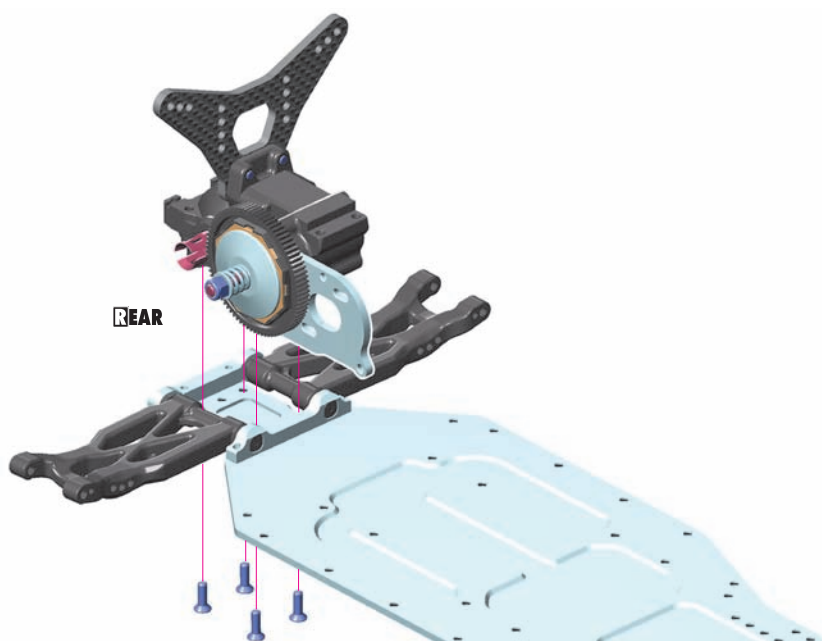
902325  
SH M3x25



**!** For the rear shock position cut holes into the Lexan rear wing.



903310  
SFH M3x10



### 3. REAR DRIVETRAIN



#### DRIVE SHAFT COLLAR

#365470	COMPOSITE	INCLUDED
#365471-K	ALU - BLACK	OPTION
#365471-O	ALU - ORANGE	OPTION



#### REAR UPRIGHTS

#323350-M	MEDIUM	OPTION
#323350-H	HARD	INCLUDED
#323351	ALU	OPTION



#### WHEEL HUBS 12MM

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



#### REAR ROLL CENTER HOLDER

#323040	COMPOSITE	INCLUDED
#323041	ALU	OPTION

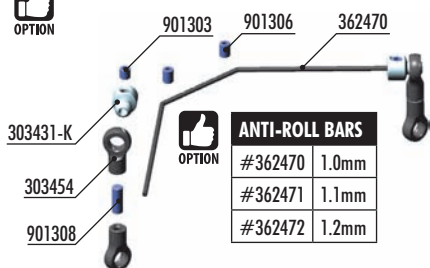


#### XRAY BALL-BEARING

#359050	5x10x4	GREASE	OPTION
#359051	5x12x4	GREASE	OPTION
#940510	5x10x4	OIL	INCLUDED
#940512	5x12x4	OIL	INCLUDED

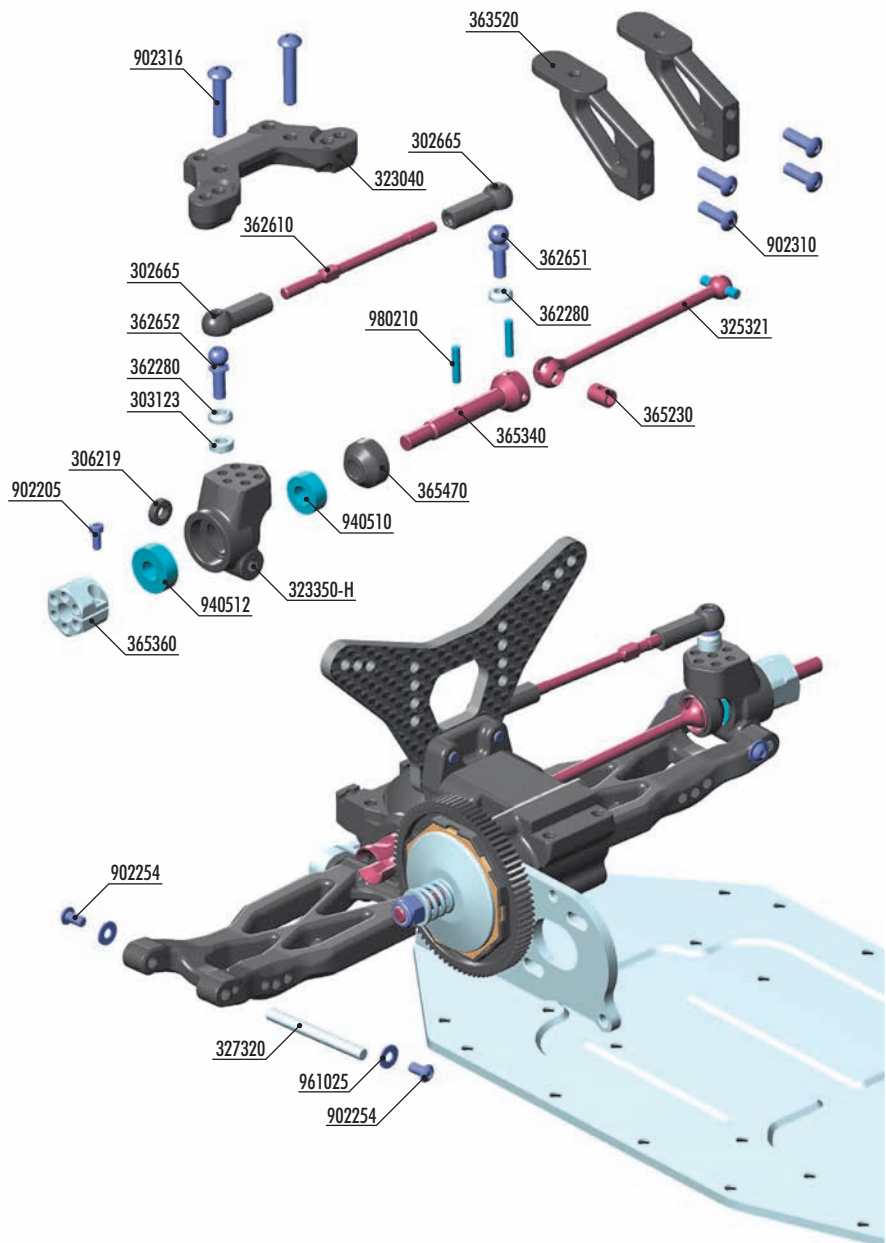


#### #362400 - ANTI-ROLL BAR 1.0MM SET



#### ANTI-ROLL BARS

#362470	1.0mm
#362471	1.1mm
#362472	1.2mm



#### BAG

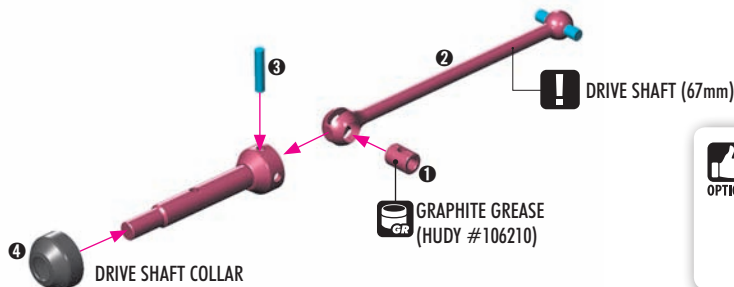
03

30 2665	COMPOSITE BALL JOINT 4.9MM - CLOSED WITH HOLE (4)
30 3123	ALU SHIM 3x6x2.0MM (10)
30 6219	COMPOSITE SET OF SERVO SHIMS (4)
32 3040	COMPOSITE REAR ROLL CENTER HOLDER - CARPET EDITION
32 3350-H	COMPOSITE UPRIGHT REAR - HARD
32 5321	REAR DRIVE SHAFT 67MM - HUDY SPRING STEEL™
32 7320	REAR ARM PIVOT PIN (2)
36 2280	ALU CONICAL SHIM 3x6x2.0MM (10)
36 2610	ADJUSTABLE TURNBUCKLE 50MM M3 L/R - HUDY SPRING STEEL™ (2)
36 2651	BALL END 4.9MM WITH THREAD 8MM (2)
36 2652	BALL END 4.9MM WITH THREAD 10MM (2)
36 3520	REAR WING POST - V2 (2)
36 5230	DRIVE SHAFT COUPLING - HUDY SPRING STEEL™

36 5340	REAR DRIVE AXLE - HUDY SPRING STEEL™
36 5360	ALU WHEEL HUB 12MM - OFFSET "+ 4.5MM" (2)
36 5470	COMPOSITE DRIVE SHAFT SAFETY COLLAR - V2 (3)
90 2205	HEX SCREW SH M2x5 (10)
90 2254	HEX SCREW SH M2.5x4 (10)
90 2310	HEX SCREW SH M3x10 (10)
90 2316	HEX SCREW SH M3x16 (10)
94 0510	HIGH-SPEED BALL-BEARING 5x10x4 RUBBER SEALED (2)
94 0512	HIGH-SPEED BALL-BEARING 5x12x4 RUBBER SEALED (2)
96 1025	WASHER S 2.5 (10)
98 0210	PIN 2x9.8 (10)



980210  
P 2x10



#### DRIVE SHAFT COLLAR

#365470	COMPOSITE	INCLUDED
#365471-K	ALU - BLACK	OPTION
#365471-O	ALU - ORANGE	OPTION

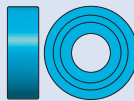




### 3. REAR DRIVETRAIN



940510  
BB 5x10x4



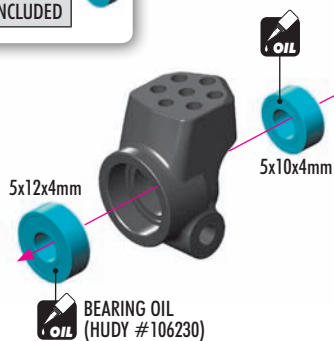
940512  
BB 5x12x4

2x L=R



#### XRAY BALL-BEARING

OPTION				
#359050	5x10x4	GREASE	OPTION	
#359051	5x12x4	GREASE	OPTION	
#940510	5x10x4	OIL	INCLUDED	
#940512	5x12x4	OIL	INCLUDED	



#### REAR UPRIGHTS

OPTION			
#323350-M	MEDIUM	OPTION	
#323350-H	HARD	INCLUDED	
#323351	ALU	OPTION	

MEDIUM: For very-low & low traction  
HARD: For medium & high traction  
ALU: For very-high traction

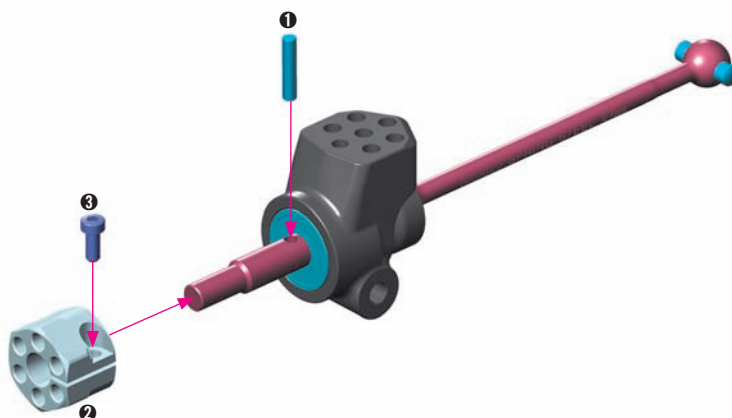


980210  
P 2x10



902205  
SH M2x5

2x L=R



#### WHEEL HEX HUBS 12MM

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

#### OPTIONAL HEX HUB EFFECTS

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

#### LESS OFFSET

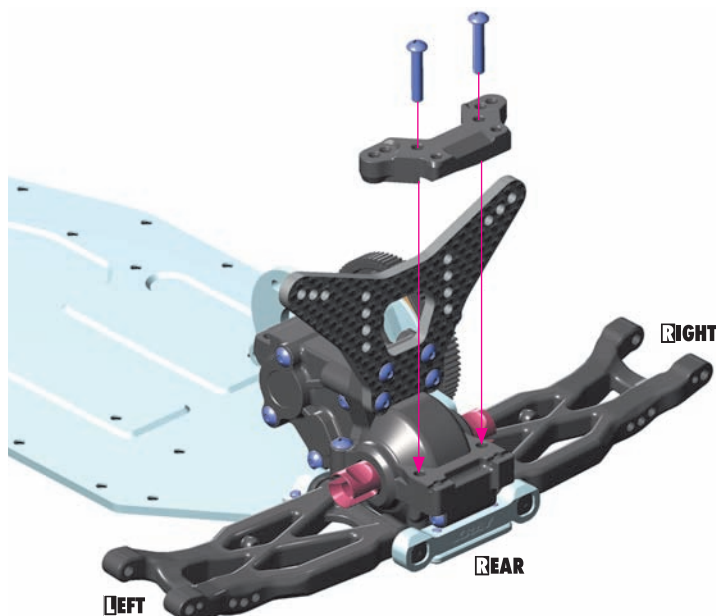
Rear - more traction  
Front - more steering

#### MORE OFFSET

Rear - less traction  
Front - less steering



902316  
SH M3x16



#### REAR ROLL CENTER HOLDER

OPTION		
#323040	COMPOSITE	INCLUDED
#323041	ALU	OPTION

COMPOSITE - For low, medium & high traction  
ALU - For very-high traction

### 3. REAR DRIVETRAIN

**IO**

306219  
SHIM 3x6x2



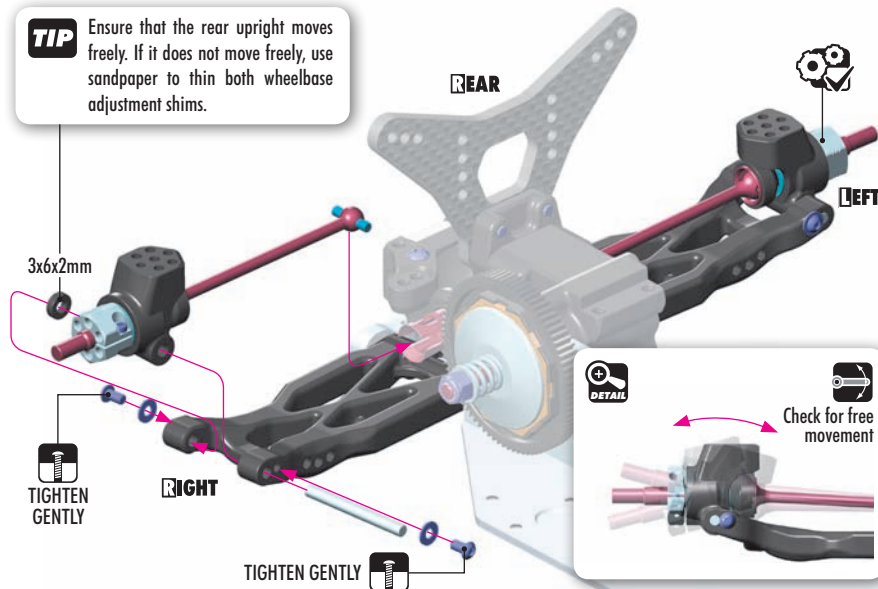
902254  
SH M2.5x4



961025  
WASHER S 2.5

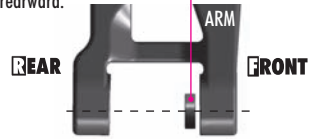
**TIP**

Ensure that the rear upright moves freely. If it does not move freely, use sandpaper to thin both wheelbase adjustment shims.



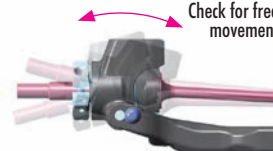
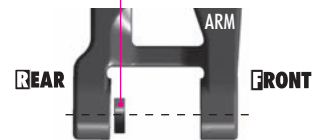
#### LONGER WHEELBASE

Adjustment Shim **IN FRONT OF HUB** moves hub rearward.



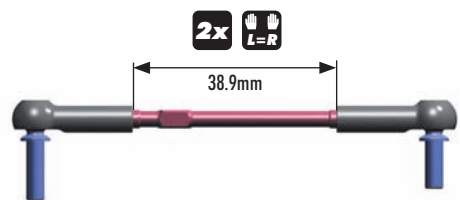
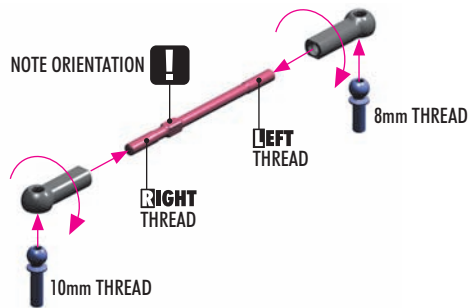
#### SHORTER WHEELBASE (INITIAL SETTING)

Adjustment Shim **BEHIND HUB** moves hub forward.



**2x**

NOTE ORIENTATION



**2x**

38.9mm



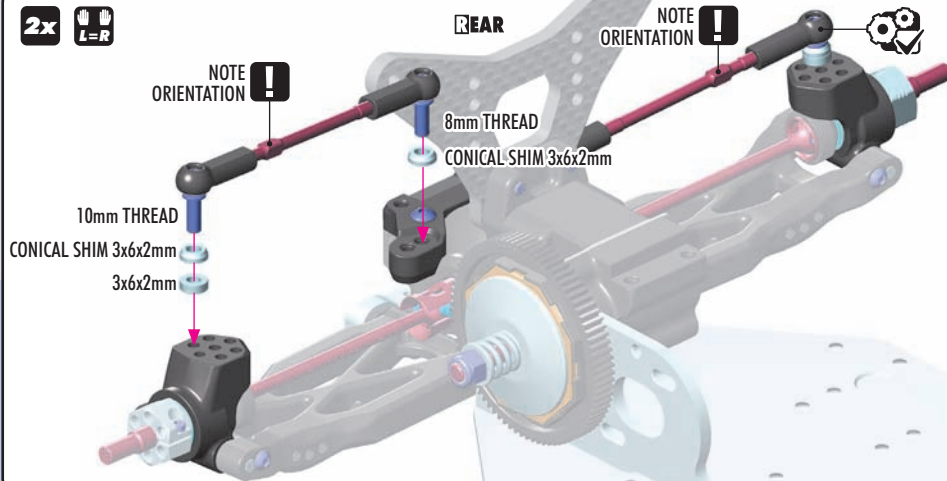
303123  
SHIM 3x6x2



362280  
CON. SHIM 3x6x2

**2x**

NOTE ORIENTATION



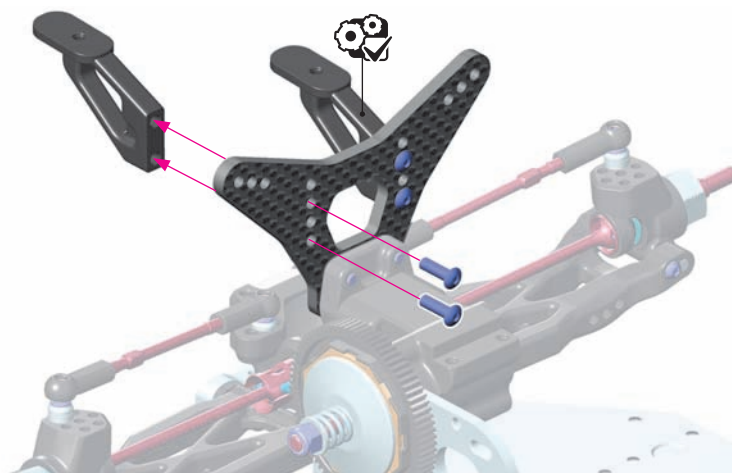
#### INITIAL SETTING



#### INITIAL SETTING

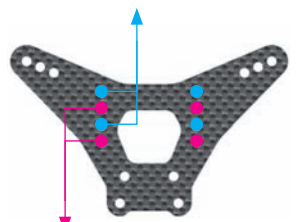


902310  
SH M3x10



#### UPPER WING POSITION

Higher position gives more roll, generates more traction.

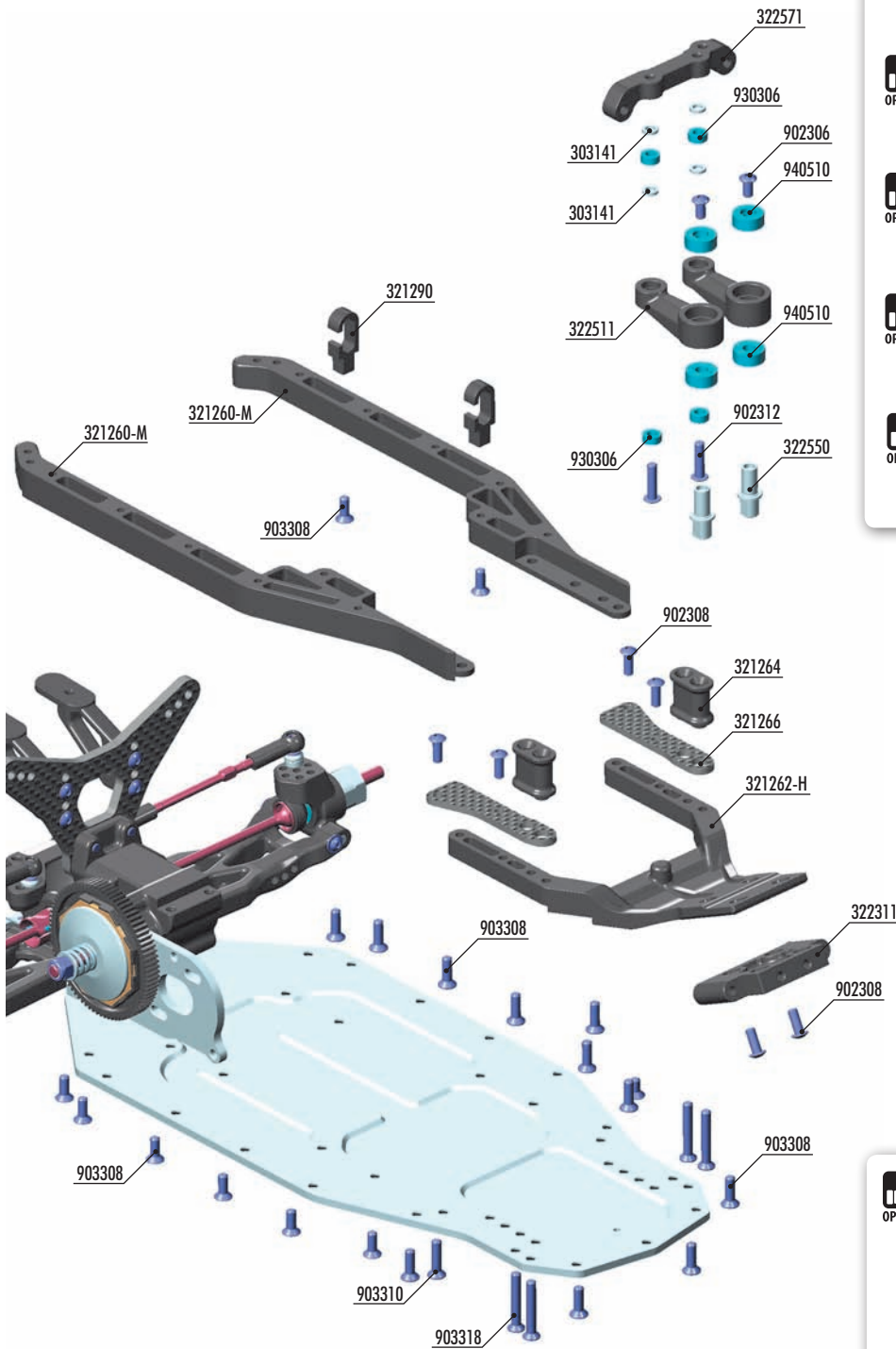


#### LOWER WING POSITION (INITIAL SETTING)

Standard position recommended for use on medium- to high-traction tracks.



## 4. FRONT ASSEMBLY



### GRAPHITE SIDE GUARD BRACE

#321263	MEDIUM	OPTION
#321266	SOFT	INCLUDED



### STEERING PLATE

#322570	ALU	OPTION
#322571	COMPOSITE	INCLUDED



### STEERING ARMS

#322510	ALU	OPTION
#322511	COMPOSITE	INCLUDED



### FRONT LOWER CHASSIS BRACE

#321262-M	MEDIUM	OPTION
#321262-H	HARD	INCLUDED



### SIDE CHASSIS GUARDS

#321260-M	MEDIUM	INCLUDED
#321260-H	HARD	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

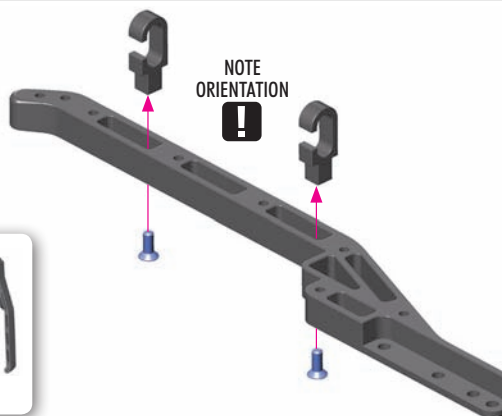
30 3141	ALU SHIM 3x5x1.0MM (10)
32 1260-M	COMPOSITE CHASSIS SIDE GUARDS L + R - MEDIUM
32 1262-H	COMPOSITE CHASSIS FRONT GUARD - HARD
32 1264	COMPOSITE FRONT CHASSIS SIDE BRACE - SHORT (2)
32 1266	GRAPHITE CHASSIS SIDE GUARD BRACE - SOFT
32 1290	COMPOSITE WIRE HOLDER (2)
32 2311	COMPOSITE FRONT LOWER SUSPENSION HOLDER
32 2571	COMPOSITE STEERING PLATE
32 2510	ALU STEERING ARM (2) (OPTION)
32 2511	COMPOSITE STEERING ARM (2)

32 2550	ALU SERVO SAVER PIVOT SHAFT (2)
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 (2)
94 0510	HIGH-SPEED BALL-BEARING 5x10x4 RUBBER SEALED (2)

## 4. FRONT ASSEMBLY



903308  
SFH M3x8



### SIDE CHASSIS GUARDS

OPTION			
#321260-M	MEDIUM	INCLUDED	
#321260-H	HARD	OPTION	

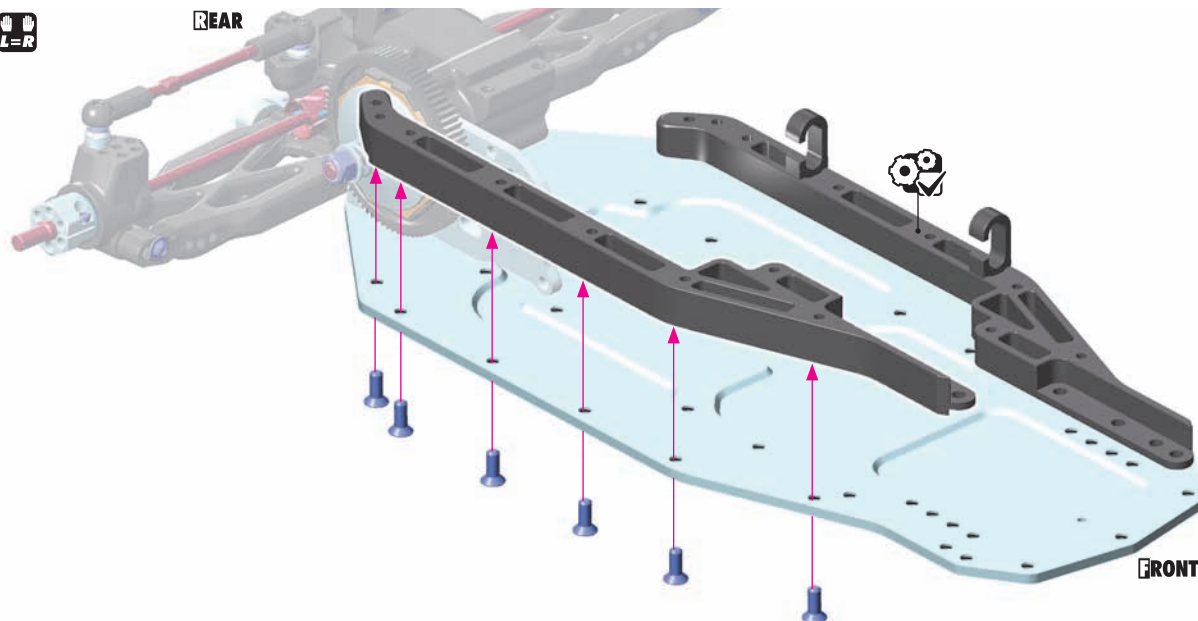
MEDIUM - For low & medium traction  
HARD - For high traction



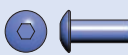
903308  
SFH M3x8



REAR



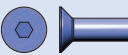
FRONT



902308  
SH M3x8



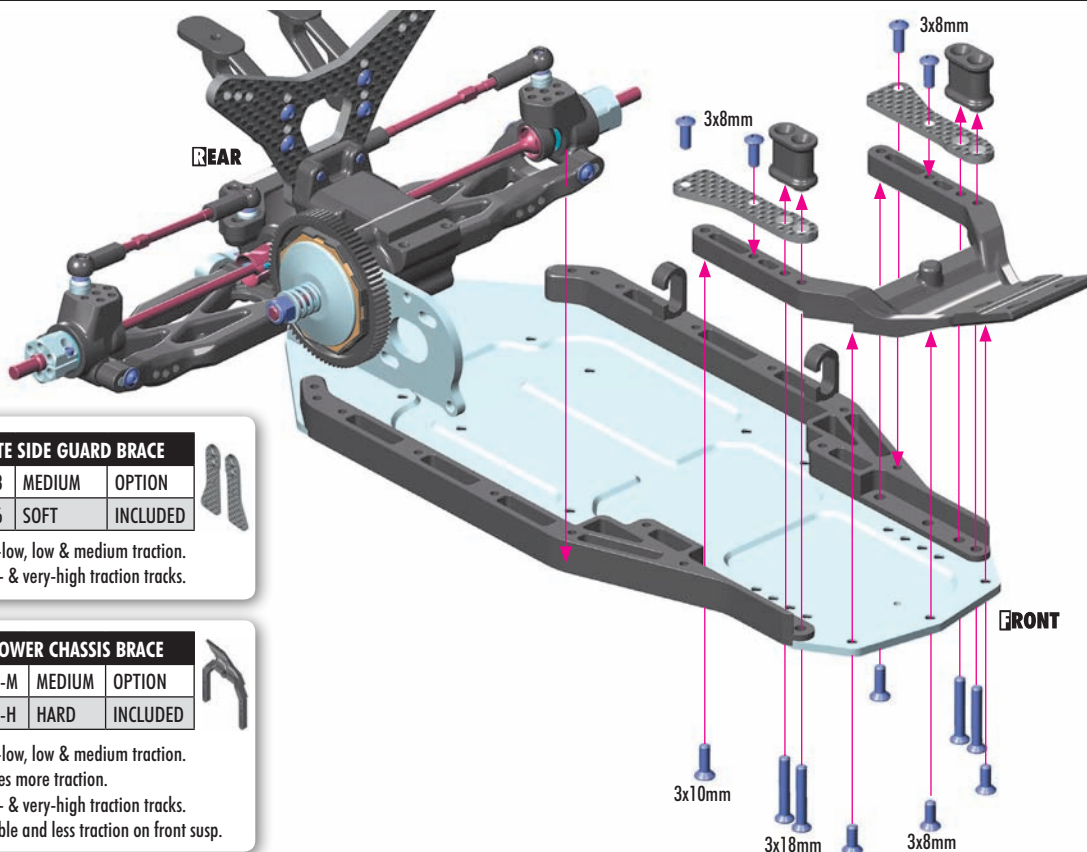
903308  
SFH M3x8



903310  
SFH M3x10



REAR



FRONT



### GRAPHITE SIDE GUARD BRACE

OPTION			
#321263	MEDIUM	OPTION	
#321266	SOFT	INCLUDED	

MEDIUM - For very-low, low & medium traction.  
SOFT - For high- & very-high traction tracks.



### FRONT LOWER CHASSIS BRACE

OPTION			
#321262-M	MEDIUM	OPTION	
#321262-H	HARD	INCLUDED	

MEDIUM - For very-low, low & medium traction.  
Generates more traction.  
HARD - For high- & very-high traction tracks.  
More stable and less traction on front susp.



## 4. FRONT ASSEMBLY

303141  
SHIM 3x5x1

902312  
SH M3x12

930306  
BB 3x6x2.5

NOTE ORIENTATION !

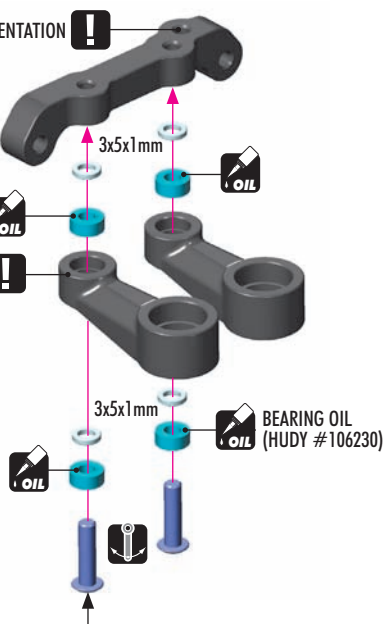
BEARING OIL  
(HUDY #106230)

NOTE ORIENTATION !

! 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

1/3  
(120° CCW)



### STEERING PLATE

#322570	ALU	OPTION
#322571	COMPOSITE	INCLUDED

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



### STEERING ARMS

#322510	ALU	OPTION
#322511	COMPOSITE	INCLUDED

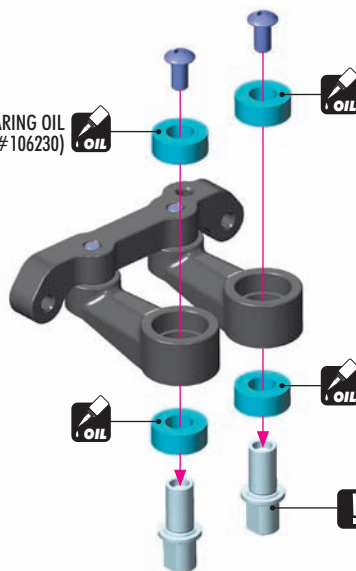
COMPOSITE - Easy to drive, more forgiving  
ALU - More aggressive, more steering, more precise steering

902306  
SH M3x6

940510  
BB 5x10x4

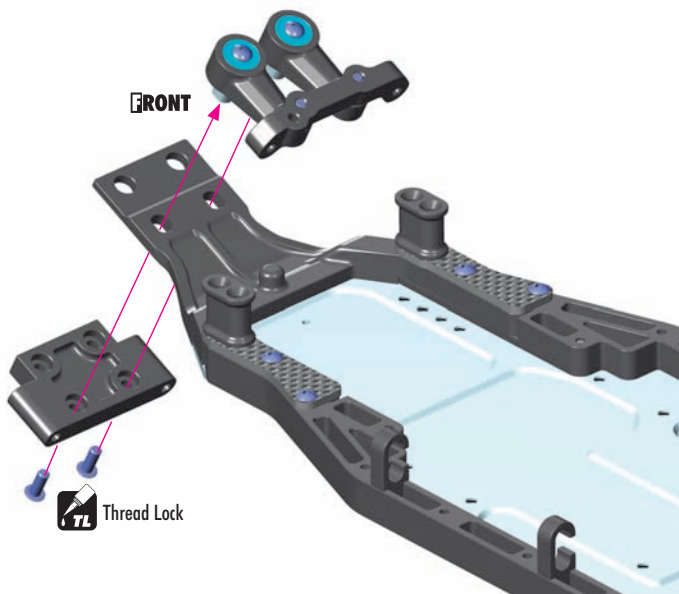
BEARING OIL  
(HUDY #106230)

NOTE ORIENTATION !



902308  
SH M3x8

FRONT



### 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



### STEERING BLOCK

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



### SUSPENSION ARM

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



### FRONT ROLL CENTER HOLDER

#322040-M	MEDIUM	OPTION
#322040-H	HARD	INCLUDED
#322041	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
#322220-M	LEFT	MEDIUM	OPTION
#322220-H	LEFT	HARD	INCLUDED



### WHEEL HEX HUBS 12MM

#365360	+4.5mm	6 slots	INCLUDED
#365359	+3.75mm	5 slots	OPTION
#365358	+3.0mm	4 slots	OPTION
#365356	+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

BAG

05

30 2665 COMPOSITE BALL JOINT 4.9MM - CLOSED WITH HOLE (4)  
 30 6219 COMPOSITE SET OF SERVO SHIMS (4)  
 32 1200 COMPOSITE FRONT BUMPER  
 32 1210 ALU SUSPENSION HOLDER BRACE - SWISS 7075 T6 (3MM)  
 32 2040-H COMPOSITE FRONT ROLL CENTER HOLDER - HARD  
 32 2110-H COMPOSITE SUSPENSION ARM FRONT LOWER - HARD  
 32 2210-H COMPOSITE C-HUB 0° DEG. RIGHT - HARD  
 32 2220-H COMPOSITE C-HUB 0° DEG. LEFT - HARD  
 32 2250-M COMPOSITE STEERING BLOCK - MEDIUM  
 32 2280 COMPOSITE CASTER ECCENTRIC BUSHING (2+2+2)  
 32 2290 GRAPHITE EXTENSION FOR STEERING BLOCK - 2 SLOTS (2)  
 32 2610 ADJUSTABLE TURNBUCKLE 55MM M3 L/R - HUDY SPRING STEEL™ (2)  
 32 5240 FRONT DRIVE AXLE - HUDY SPRING STEEL™  
 32 7210 FRONT SUSPENSION PIVOT PIN (2)  
 32 7220 FRONT ARM PIVOT PIN (2)  
 36 2280 ALU CONICAL SHIM 3x6x2.0MM (10)

36 2290 STEEL STEERING BUSHING - SHORT (2)  
 36 2291 STEEL STEERING BUSHING - LONG (2)  
 36 2650 BALL END 4.9MM WITH THREAD 6MM (2)  
 36 2651 BALL END 4.9MM WITH THREAD 8MM (2)  
 36 5353 ALU WHEEL HUB 12MM (2)  
 90 2205 HEX SCREW SH M2x5 (10)  
 90 2254 HEX SCREW SH M2.5x4 (10)  
 90 2308 HEX SCREW SH M3x8 (10)  
 90 2312 HEX SCREW SH M3x12 (10)  
 90 3308 HEX SCREW SFH M3x8 (10)  
 90 3316 HEX SCREW SFH M3x16 (10)  
 94 0510 HIGH-SPEED BALL-BEARING 5x10x4 RUBBER SEALED (2)  
 96 0030 NUT M3 (10)  
 96 1025 WASHER S 2.5 (10)  
 98 0210 PIN 2x9.8 (10)

## 5. FRONT SUSPENSION

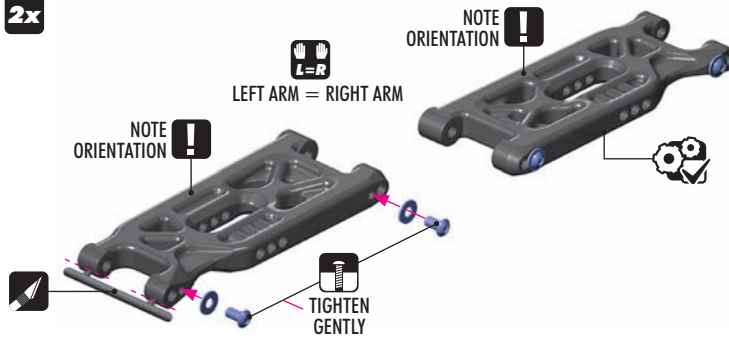


902254  
SFH M2.5x4



961025  
S 2.5

2x

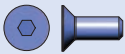


OPTION

### SUSPENSION ARM

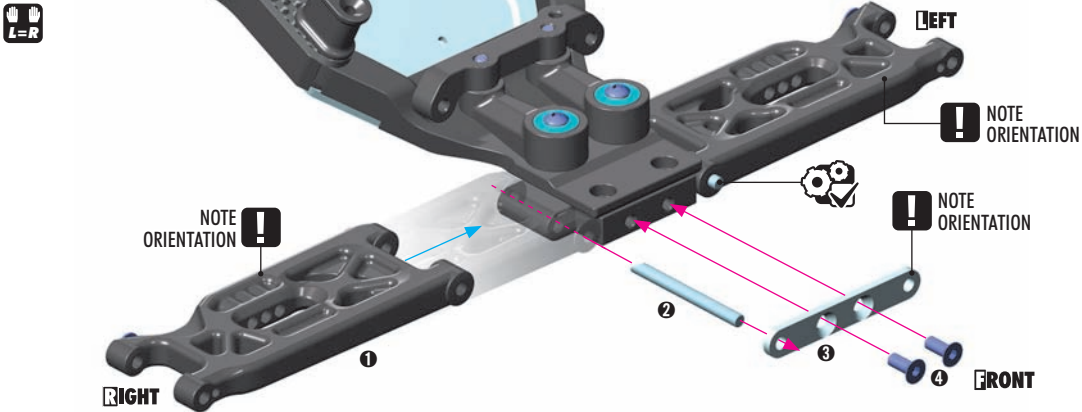
#	OPTION	
#322110-M	MEDIUM	OPTION
#322110-H	HARD	INCLUDED
#322110-G	GRAPHITE	OPTION

MEDIUM - For very-low & low traction  
HARD - For medium & high traction  
GRAPHITE - For high & very-high traction

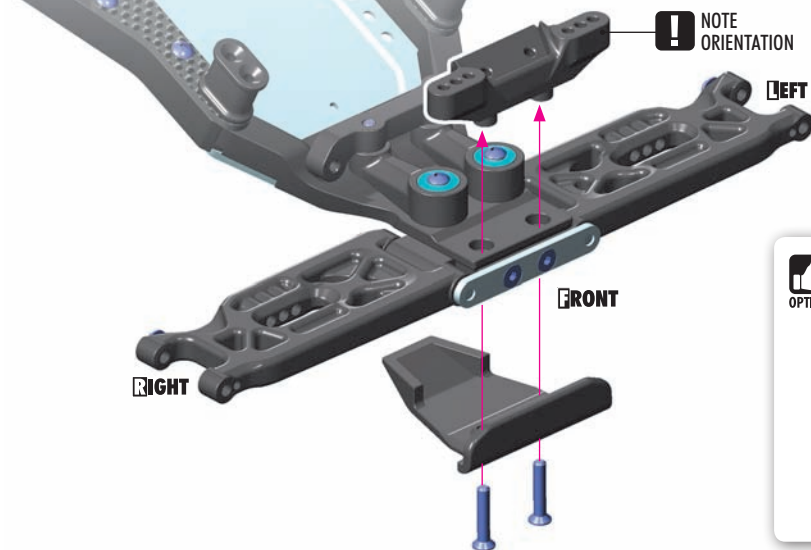


903308  
SFH M3x8

L=R



903316  
SFH M3x16

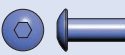


OPTION

### FRONT ROLL CENTER HOLDER

#	OPTION	
#322040-M	MEDIUM	OPTION
#322040-H	HARD	INCLUDED
#322041	ALU	OPTION

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, increased strength



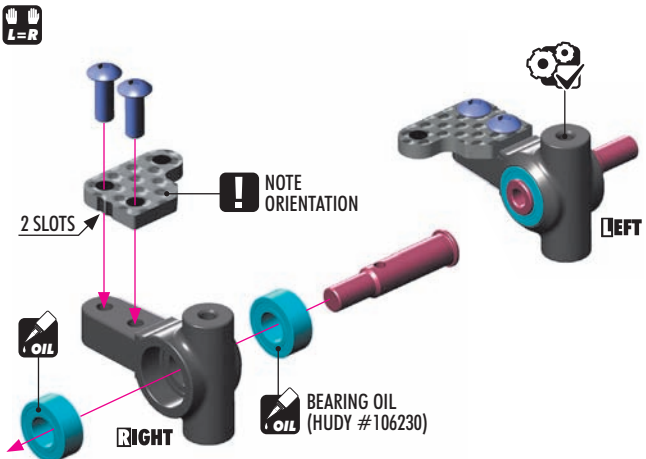
902308  
SFH M3x8



940510  
BB 5x10x4

2x

L=R



OPTION

### STEERING BLOCK EXTENSION

#	OPTION	
#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



OPTION

### STEERING BLOCK

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

MEDIUM - More steering, more aggressive  
HARD - Easy to drive, less on-power steering



# 5. FRONT SUSPENSION

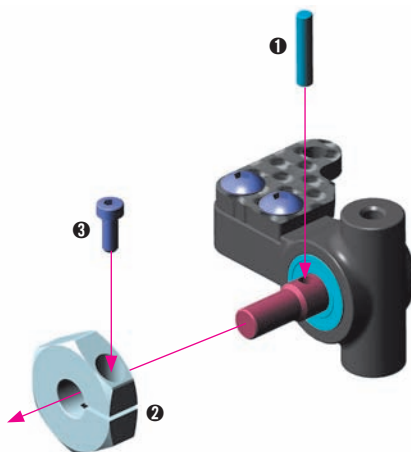


902205  
SH M2x5



981210  
P 2x10

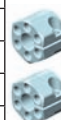
2x



OPTION

## WHEEL HEX HUBS 12MM

#	Offset	Slots	Status
#365360	+4.5mm	6 slots	INCLUDED
#365359	+3.75mm	5 slots	OPTION
#365358	+3.0mm	4 slots	OPTION
#365356	+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



## 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



902312  
SH M3x12

2x

## (INITIAL SETTING) HIGHER ROLL CENTER

TOP = SHORTER bushing  
BOTTOM = LONGER bushing

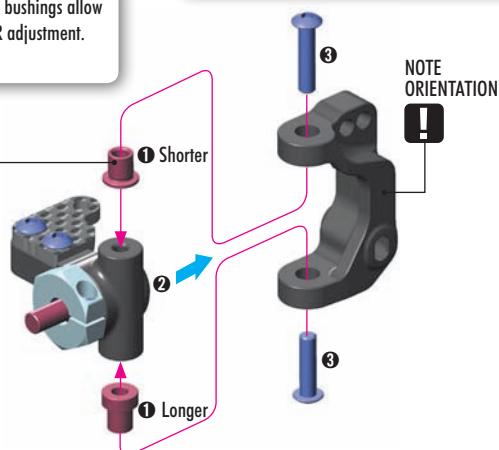
Recommended for smooth tracks to gain more steering.

## LOWER ROLL CENTER

TOP = LONGER bushing  
BOTTOM = SHORTER bushing

Recommended for rough tracks to improve stability.

Steel steering bushings allow ROLL CENTER adjustment.



OPTION

## C-HUB

#	Side	Setting	Status
#322210-M	RIGHT	MEDIUM	OPTION
#322210-H	RIGHT	HARD	INCLUDED
#322220-M	LEFT	MEDIUM	OPTION
#322220-H	LEFT	HARD	INCLUDED

MEDIUM - For very-low, low & medium traction. Absorbs bumps better, easy to drive.

HARD - For high & very-high traction. More steering, more aggressive.

10

306219  
SHIM 3x6x1



902254  
SH M2.5x4



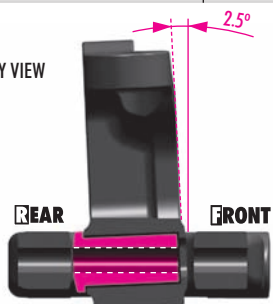
961025  
S 2.5

2x

NOTE ORIENTATION



CUTAWAY VIEW



RIGHT

LEFT



## CASTER ECCENTRIC BUSHINGS

0°



2.5°



5°



LESS CASTER = increased off-power steering  
MORE CASTER = decreased off-power steering

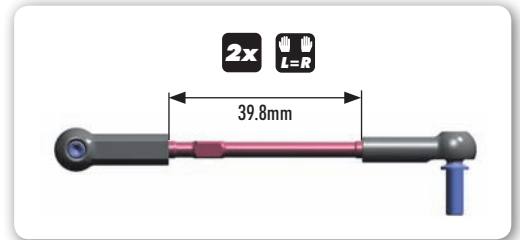
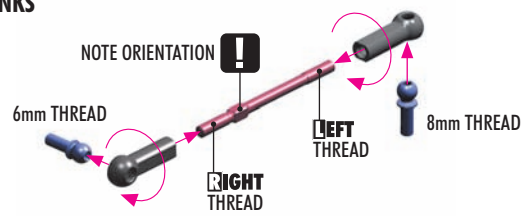


## 5. FRONT SUSPENSION

### ROLL CENTER LINKS

2x

L=R

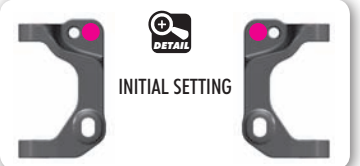
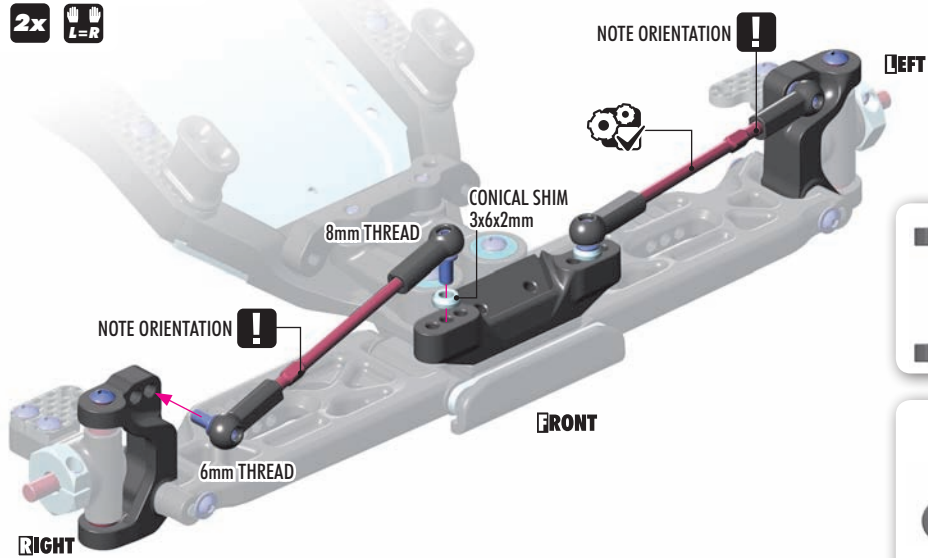


362280  
CON. SHIM 3x6x2

### ROLL CENTER LINKS

2x

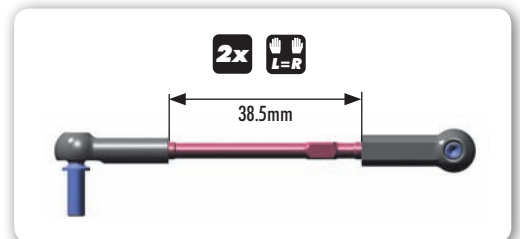
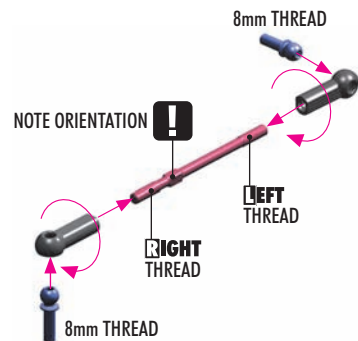
L=R



### STEERING LINKS

2x

L=R



362280  
CON. SHIM 3x6x2

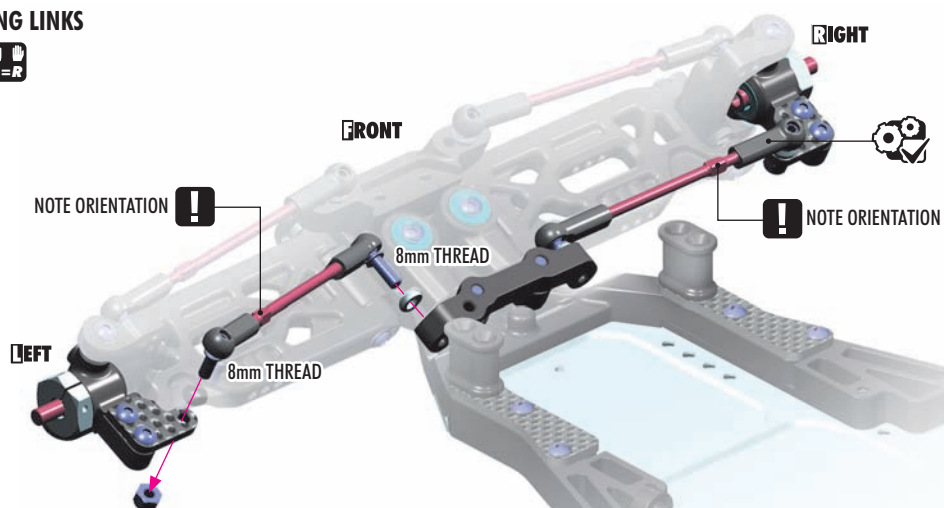


960030  
NUT M3

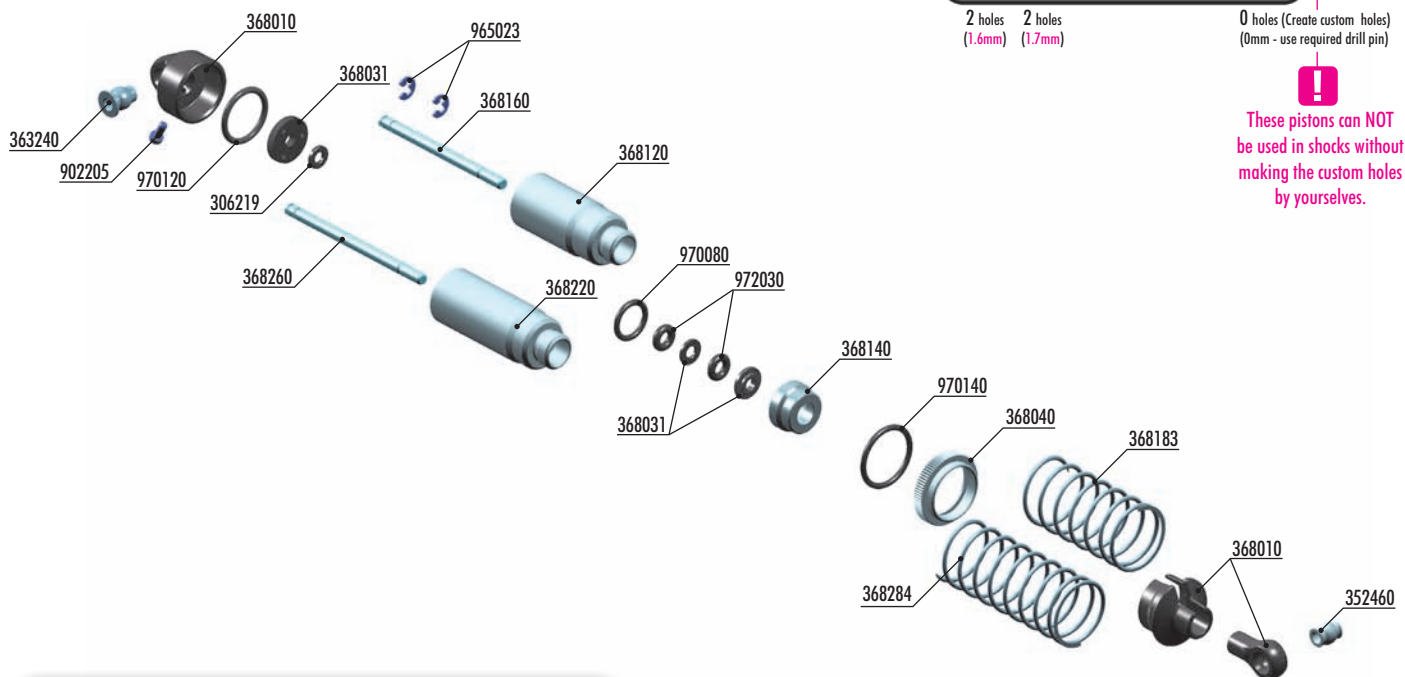
### STEERING LINKS

2x

L=R



## 6. SHOCK ABSORBERS



### FRONT SPRINGS

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



### REAR SPRINGS

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



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



#368021  
ALU SHOCK SPRING RETAINING COLLAR (4)



BAG

06

30 6219	COMPOSITE SET OF SERVO SHIMS (4)
35 2460	PIVOT BALL 5.8 - V3 (10)
36 3240	BALL UNIVERSAL 5.8MM WITH BACKSTOP (2)
36 8010	COMPOSITE SHOCK PARTS
36 8031	SHOCK PISTONS - COMPLETE SET - DERLIN - V2
36 8040	ALU SHOCK ADJUSTABLE NUT (2)
36 8100	FRONT SHOCK ABSORBERS COMPLETE SET (2)
36 8120	ALU FRONT SHOCK BODY - HARD COATED (2)
36 8140	ALU LOWER SHOCK BODY CAP (2)
36 8160	FRONT HARDENED SHOCK SHAFT (2)
36 8174	FRONT SPRING-SET PROGRESSIVE - 2 STRIPES (2) (OPTION)
36 8183	FRONT SPRING-SET LINEAR - 1 DOT (2)
36 8184	FRONT SPRING-SET LINEAR - 2 DOTS (2) (OPTION)
36 8185	FRONT SPRING-SET LINEAR - 3 DOTS (2) (OPTION)
36 8186	FRONT SPRING-SET - 4 DOTS (2) (OPTION)

36 8200	REAR SHOCK ABSORBERS COMPLETE SET (2)
36 8220	ALU REAR SHOCK BODY - HARD COATED (2)
36 8260	REAR HARDENED SHOCK SHAFT (2)
36 8273	REAR SPRING-SET PROGRESSIVE - 2 STRIPES (2) (OPTION)
36 8284	REAR SPRING-SET LINEAR - 1 DOT (2)
36 8285	REAR SPRING-SET LINEAR - 2 DOTS (2) (OPTION)
36 8286	REAR SPRING-SET LINEAR - 3 DOTS (2) (OPTION)
36 8287	REAR SPRING-SET LINEAR - 4 DOTS (2) (OPTION)

90 2205	HEX SCREW SH M2x5 (10)
96 5023	E-CLIP 2.3 (10)
97 0080	O-RING 8x1 (10)
97 0120	O-RING 12 x 1.0 (10)
97 0140	O-RING 14 x 1.5 (10)
97 2030	SILICONE O-RING 3x2 (10)

## 6. SHOCK ABSORBERS

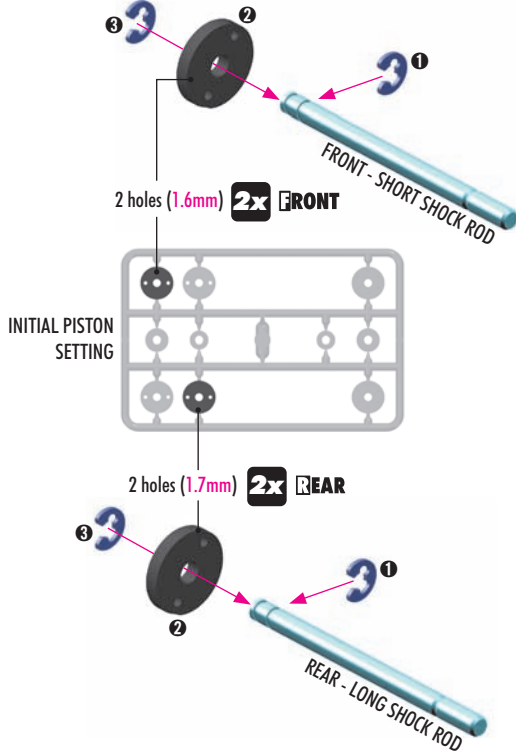
965023  
C 2.3

972030  
O 3x2

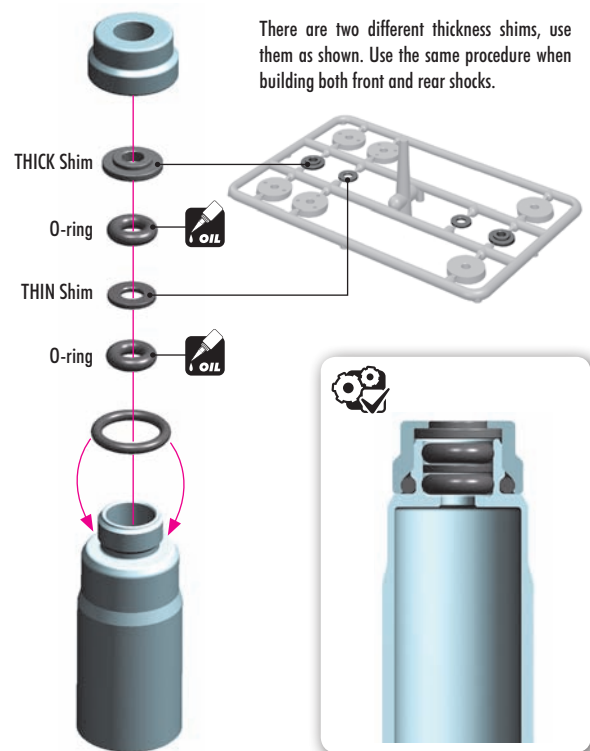
970080  
O 8x1

### SET-UP BOOK

SHOCK DAMPING  
SHOCK PISTONS

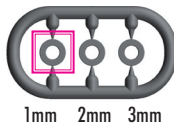


4x



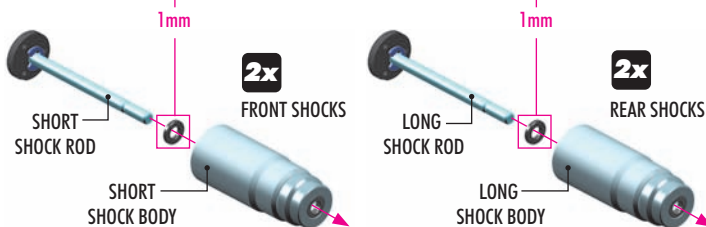
#306219  
DOWNSTOP SHIMS

THICKER shim used, GREATER downstop is achieved.



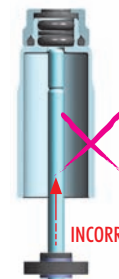
! IMPORTANT

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

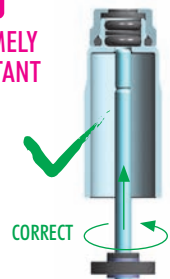


!

EXTREMELY IMPORTANT

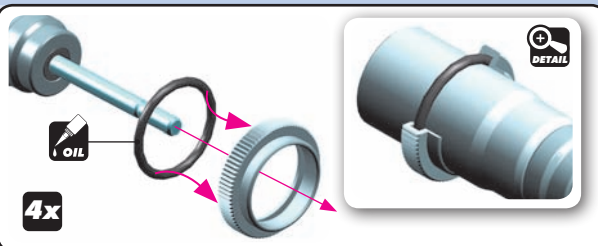


Do not push the shock rod straight through the lower shock body assembly; O-ring damage may result.



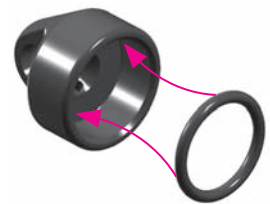
Twist the shock rod through the lower shock body assembly.

970140  
O 14x1.5



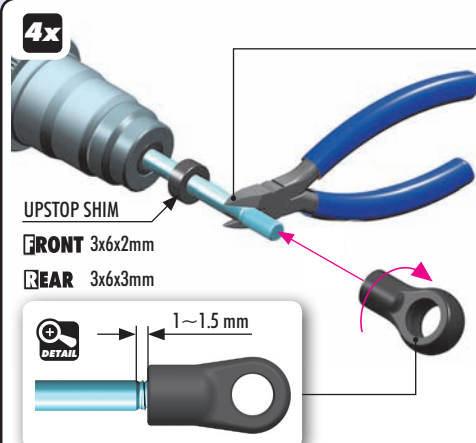
970120  
O 12x1

4x



306219  
SHIM 3x6x2

306219  
SHIM 3x6x3



Grip the shock rod at top of exposed threads with side cutting pliers. Be careful not to damage the shock rod.

TIP Side Cutters  
(HUDY #189010)

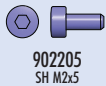


RC Shock-Plier Uni Tool  
(HUDY #183011)





## 6. SHOCK ABSORBERS



902205  
SH M2x5

### DEFAULT SHOCK REBOUND SETTING 0% REBOUND

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

- 2x** FRONT (SHORT)  
Oil 500cSt
- 2x** REAR (LONG)  
Oil 400cSt

**1** Extend the shock shaft completely. Fill the shock body with the shock oil. For the FRONT shocks (short) use 700cSt oil. For the REAR shocks (long) use 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.

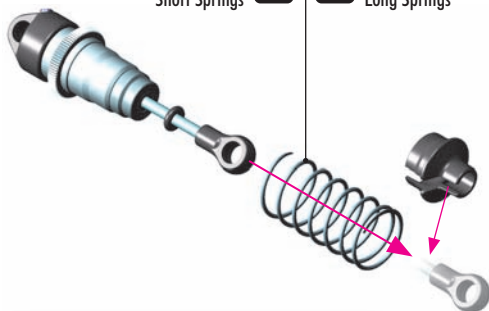
**9** Gently push the shock shaft completely into the shock body. Excess oil will flow through the hole in the shock cap.

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

**SET-UP BOOK**

SHOCK OIL

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

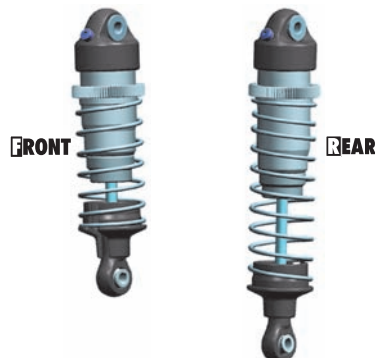


**#368021**  
ALU SHOCK SPRING RETAINING COLLAR (4)

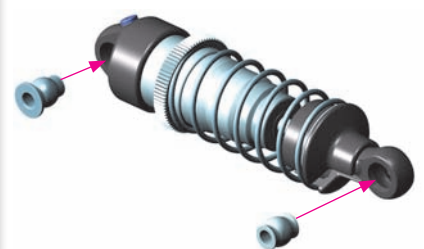


### ! IMPORTANT

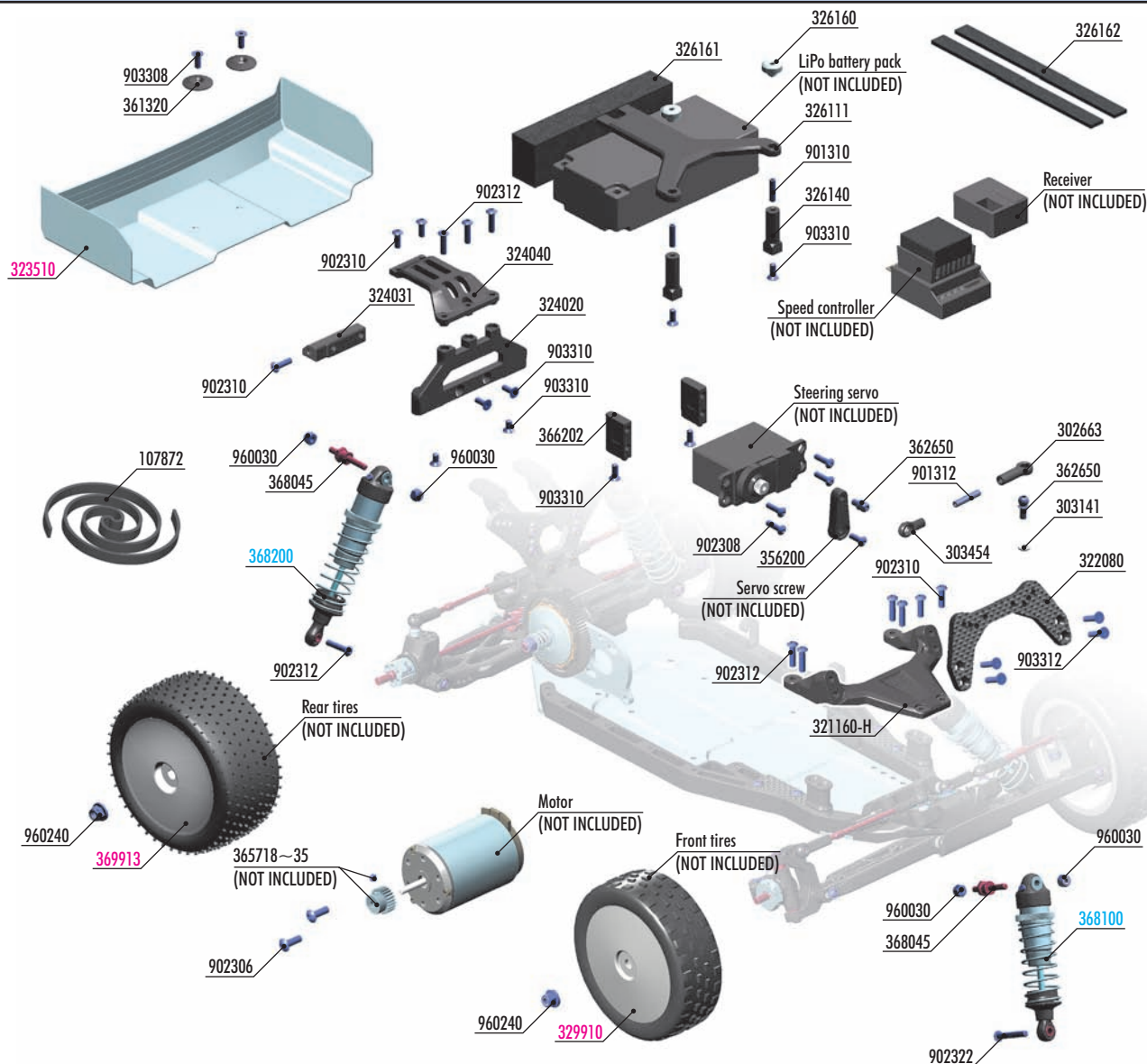
Both FRONT SHOCKS must be the same overall length.  
Both REAR SHOCKS must be the same overall length.



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



## 7. FINAL ASSEMBLY



### BATTERY STRAP

#326110	GRAPHITE	OPTION
#326111	COMPOSITE	INCLUDED



### FRONT UPPER DECK

#321160-M	MEDIUM	OPTION
#321160-H	HARD	INCLUDED



### LEXAN REAR WING

#323510	1.0MM	INCLUDED
#323511	1.5MM	OPTION



### LEXAN BODY

#329700	0.75MM	INCLUDED
#329701	0.5MM LIGHT	OPTION



### REAR WING SHIM

#293561	SILVER	OPTION
#293561-0	ORANGE	OPTION



#324051  
COMPOSITE GEAR COVER - CARPET EDITION



### BAG

07

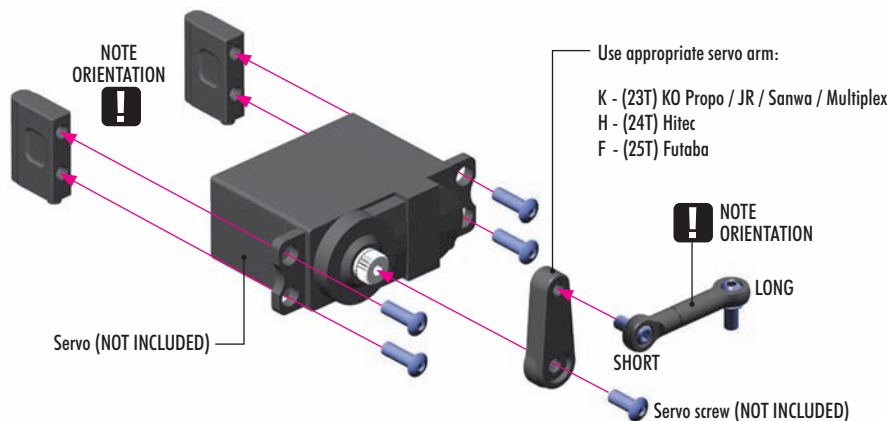
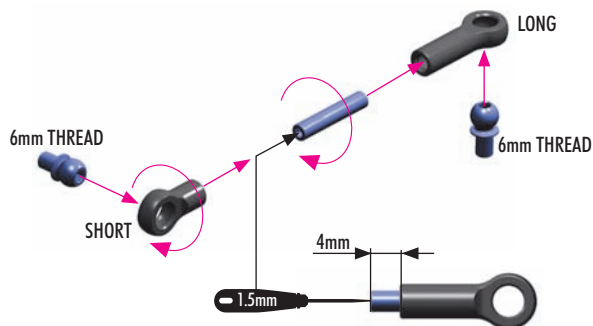
10 7872	VELCRO TAPE WITH DOUBLE SIDED TAPE 8x500MM
30 2663	COMPOSITE BALL JOINT 4.9MM - OPEN - V2 (8)
30 3141	ALU SHIM 3x5x1.0MM (10)
30 3454	BALL JOINT 4.9MM - OPEN (4)
32 1160-H	COMPOSITE FRONT UPPER DECK - HARD
32 2080	GRAPHITE SHOCK TOWER FRONT 4.0MM
32 4020	COMPOSITE MOUNT FOR UPPER BRACE - CARPET EDITION
32 4031	COMPOSITE FRONT-MID MOTOR (3 GEARS) PLATE BRACE
32 4040	COMPOSITE MOTOR UPPER BRACE - CARPET EDITION
32 6111	COMPOSITE BATTERY STRAP - CARPET EDITION
32 6140	COMPOSITE BATTERY HOLDER STAND (2)
32 6160	ALU BATTERY HOLDER NUT (2)
32 6161	FOAM SPACER FOR BATTERY
32 6162	SELF-ADHESIVE RUBBER 1.5x6.5x155MM (2)
35 6200	BRAKE/THROTTLE ARMS & STEERING SERVO ARMS - SET
36 1320	BODY MOUNT, BATTERY MOUNT - V2 & WING SHIM (2)
36 2650	BALL END 4.9MM WITH THREAD 6MM (2)
36 5718~35	ALU PINION GEAR HARD COATED 18~35T/48 (OPTION)
36 6202	COMPOSITE SERVO MOUNT - HIGHER
36 8045	STEEL SCREW SHOCK PIVOT BALL WITH HEX (2)

90 1310	HEX SCREW SB M3x10 (10)
90 1312	HEX SCREW SB M3x12 (10)
90 2306	HEX SCREW SH M3x6 (10)
90 2308	HEX SCREW SH M3x8 (10)
90 2310	HEX SCREW SH M3x10 (10)
90 2312	HEX SCREW SH M3x12 (10)
90 2322	HEX SCREW SH M3x22 (10)
90 3308	HEX SCREW SFH M3x8 (10)
90 3310	HEX SCREW SFH M3x10 (10)
90 3312	HEX SCREW SFH M3x12 (10)
96 0030	NUT M3 (10)
96 0240	NUT M4 WITH SERRATED FLANGE (10)

36 8100 FRONT SHOCK ABSORBERS COMPLETE SET (2)  
36 8200 REAR SHOCK ABSORBERS COMPLETE SET (2)

32 3510 LEXAN REAR WING (2)  
32 3512 LEXAN FRONT WING 0.75MM  
32 9700 XRAY XB2 BODY  
32 9910 2WD FRONT WHEEL AERODISK WITH 12MM HEX - WHITE (2)  
36 9913 4WD/2WD REAR WHEEL AERODISK 12MM HEX - WHITE (2)

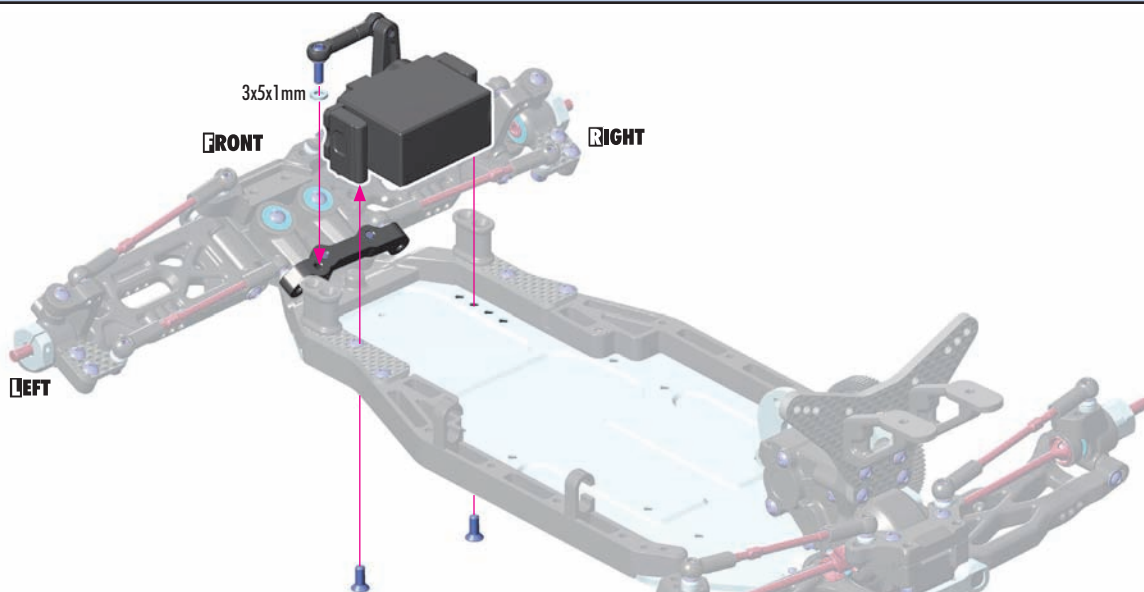
## 7. FINAL ASSEMBLY



### HUDY ALU SERVO HORNS

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

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



902310  
SH M3x10



902312  
SH M3x12

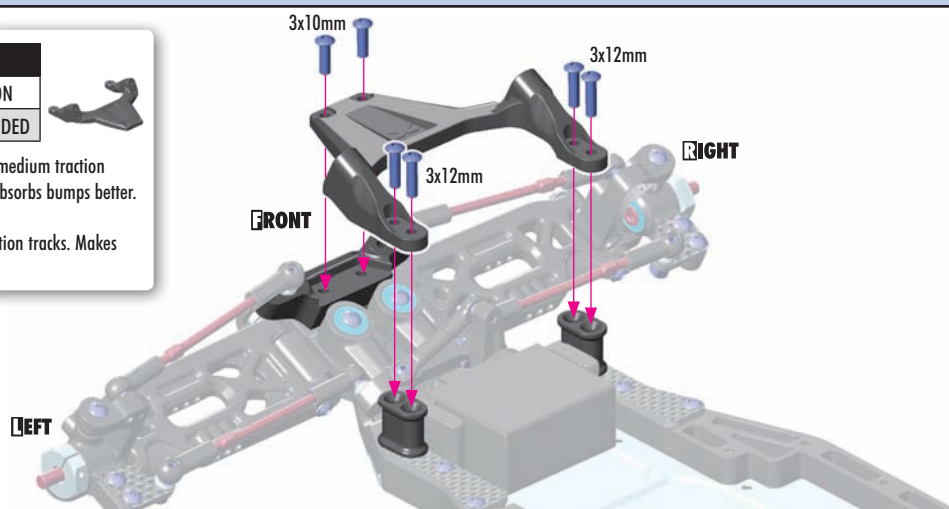


### FRONT UPPER DECK

#321160-M	MEDIUM	OPTION
#321160-H	HARD	INCLUDED

MEDIUM - For very-low, low and medium traction tracks. Generates more traction, absorbs bumps better.

HARD - For high & very-high traction tracks. Makes the car more precise.

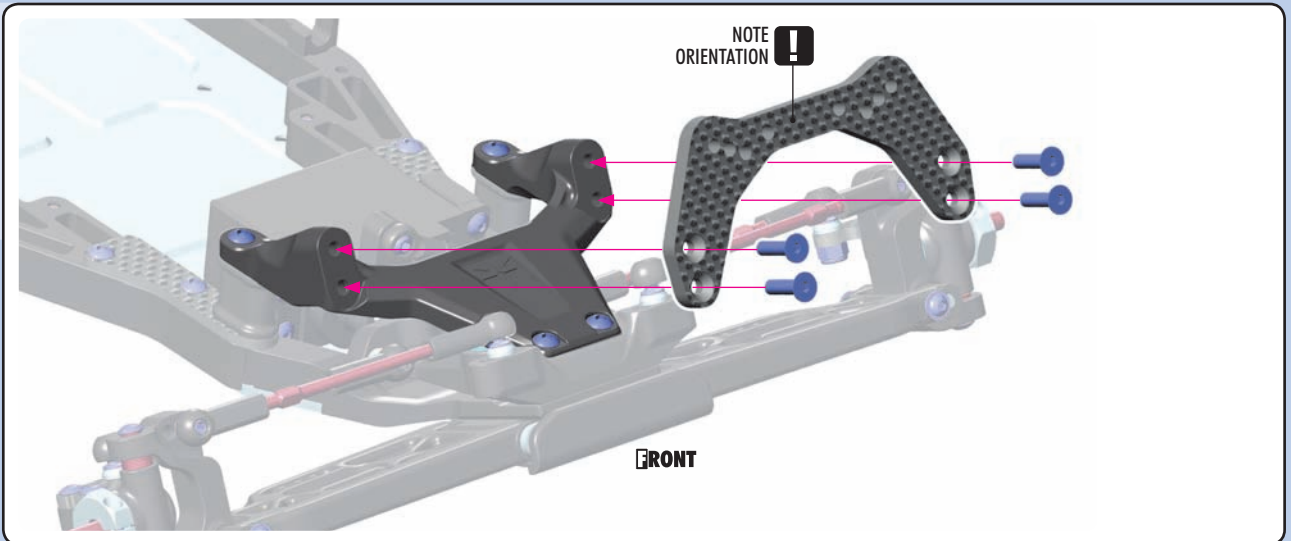




## 7. FINAL ASSEMBLY



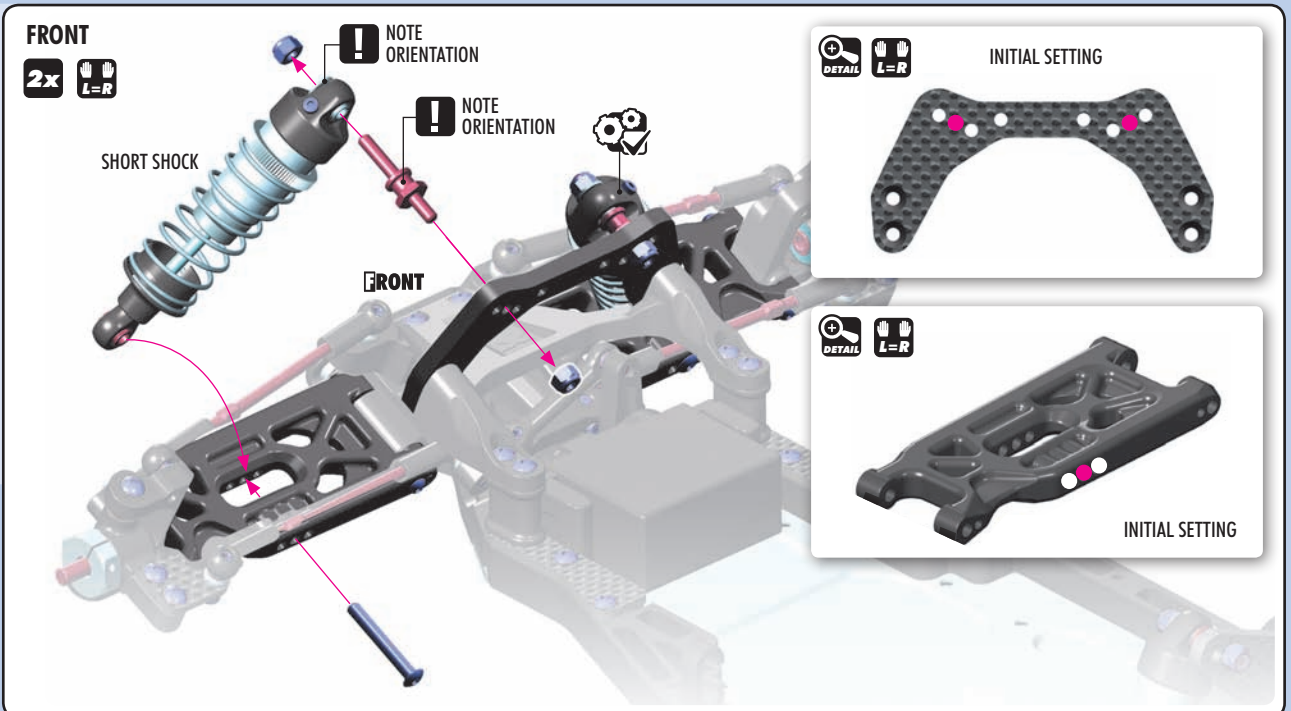
903312  
SFH M3x12



902322  
SH M3x22



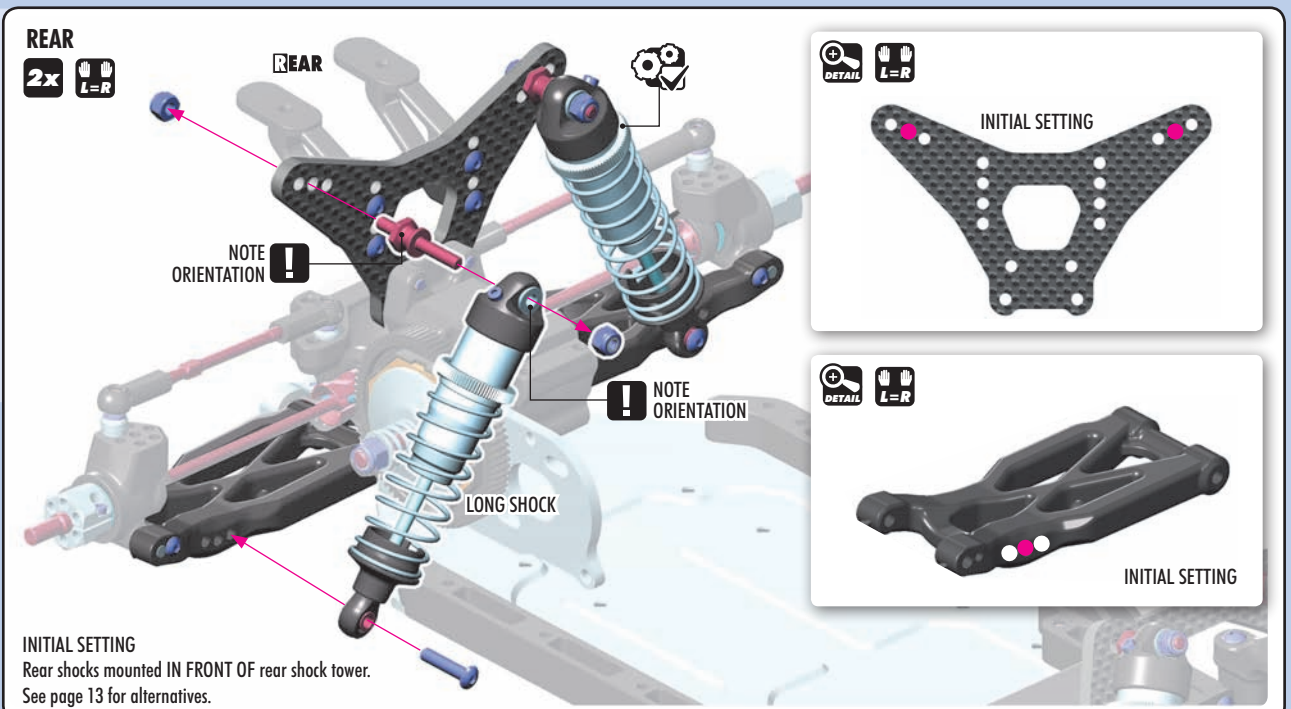
960030  
NUT M3



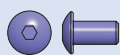
902312  
SH M3x12



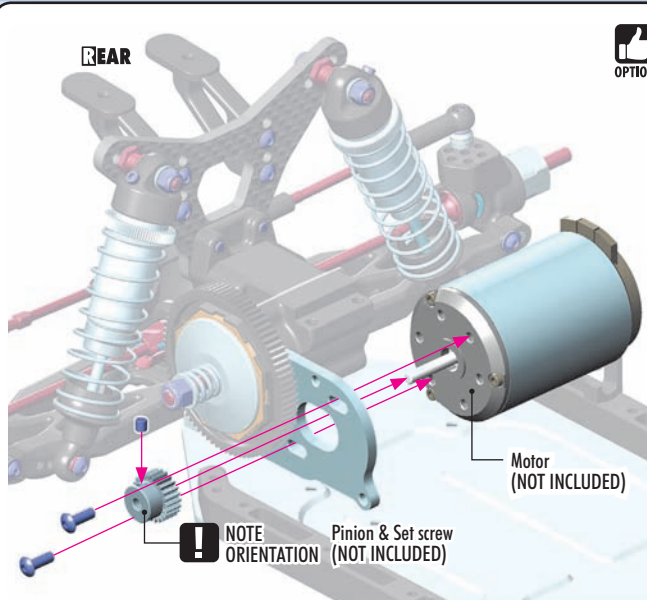
960030  
NUT M3



## 7. FINAL ASSEMBLY

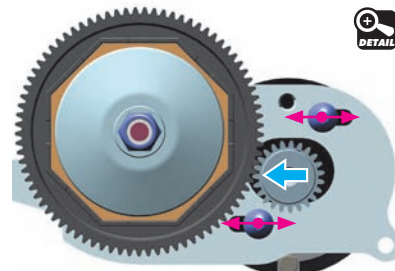


902306  
SH M3x6



### XRAY PINIONS

#365718	18T / 48P
#365719	19T / 48P
#365720	20T / 48P
#365721	21T / 48P
#365722	22T / 48P
#365723	23T / 48P
#365724	24T / 48
#365725	25T / 48
#365726	26T / 48
#365727	27T / 48
#365728	28T / 48
#365729	29T / 48
#365730	30T / 48
#365731	31T / 48
#365732	32T / 48
#365733	33T / 48
#365734	34T / 48
#365735	35T / 48

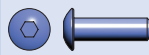


Adjust the motor so the pinion meshes with the spur gear properly. Make sure the gear mesh is not too tight.

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



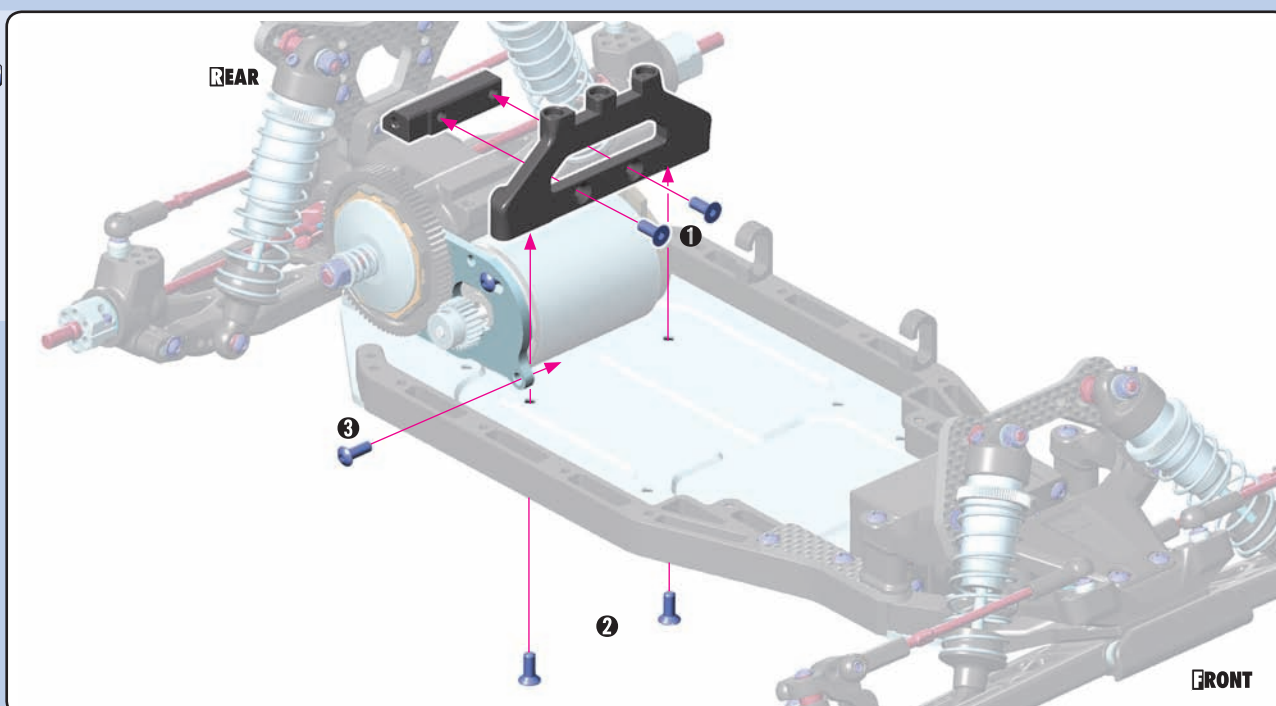
#324051  
COMPOSITE GEAR COVER - CARPET EDITION



902310  
SH M3x10



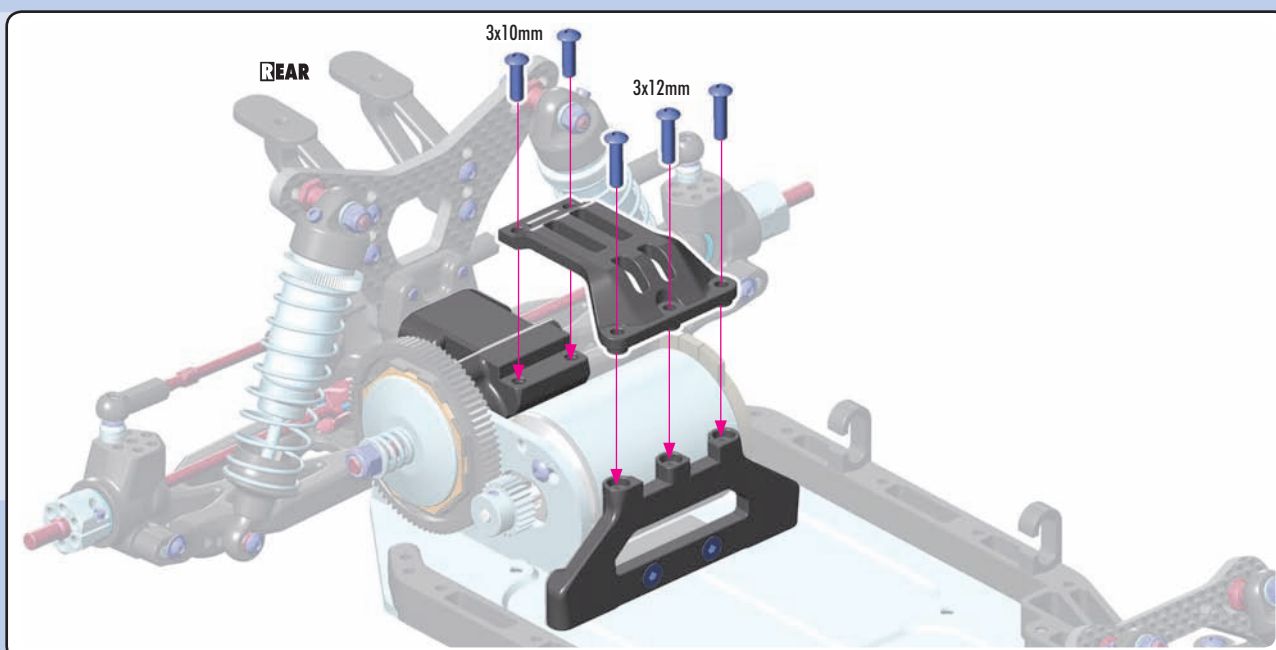
902310  
SFH M3x10



902310  
SH M3x10

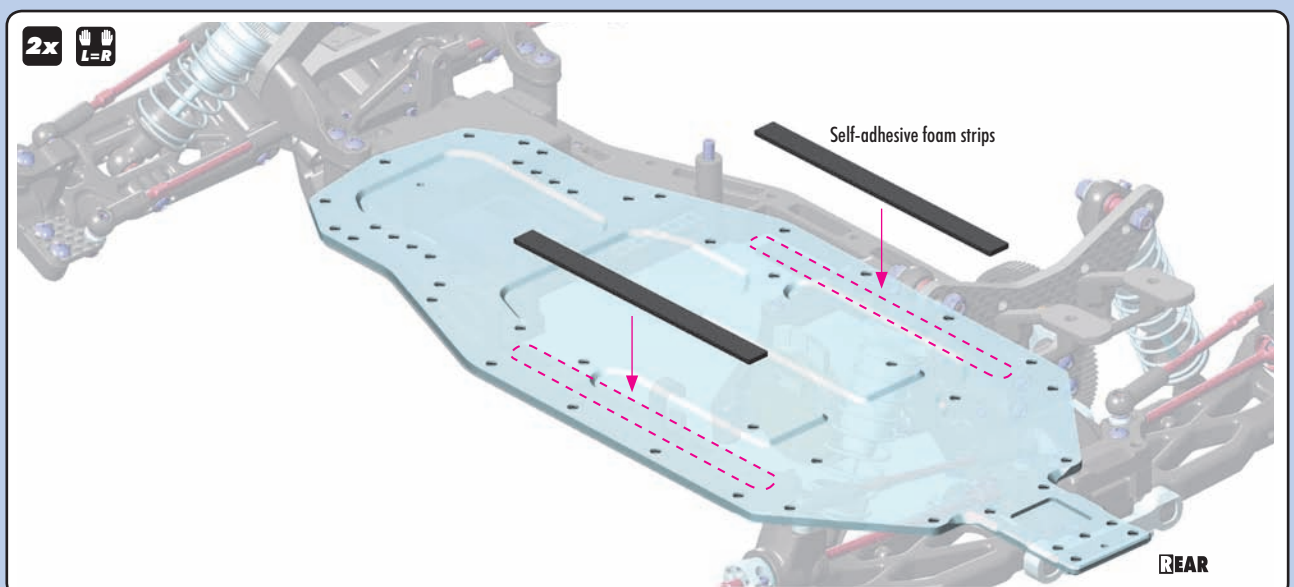
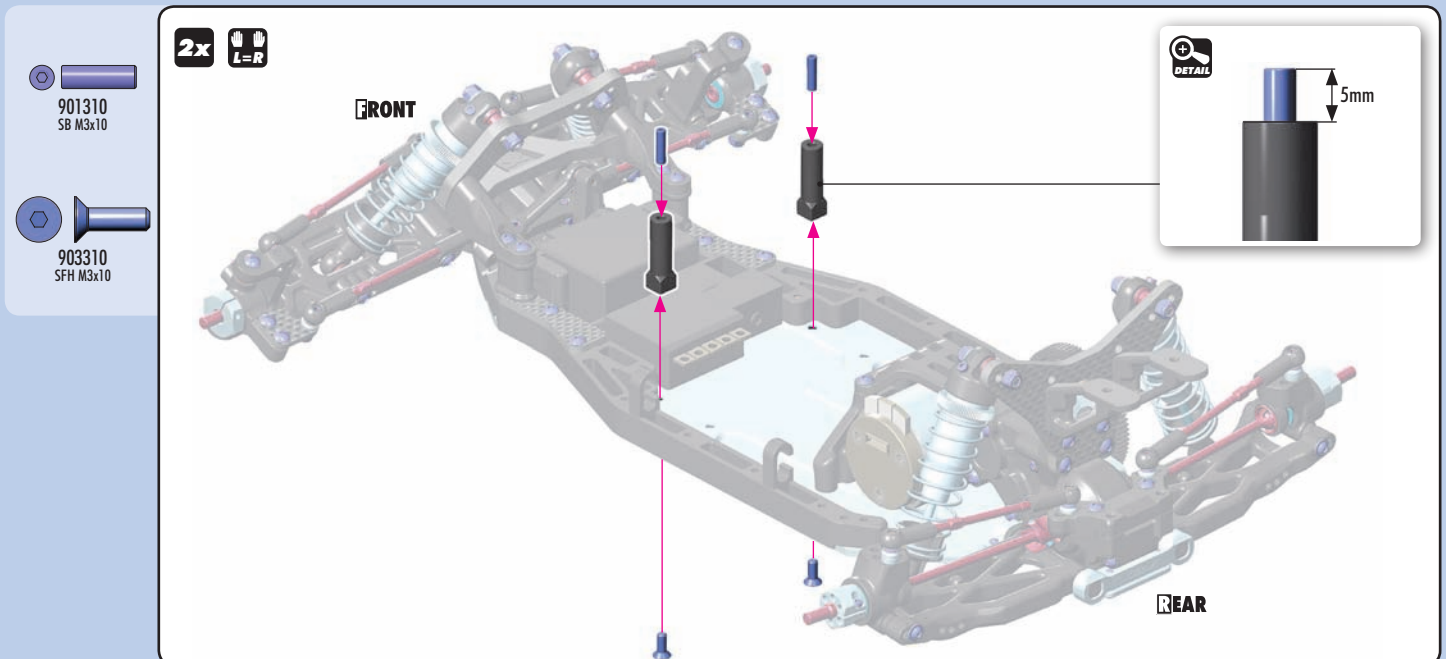
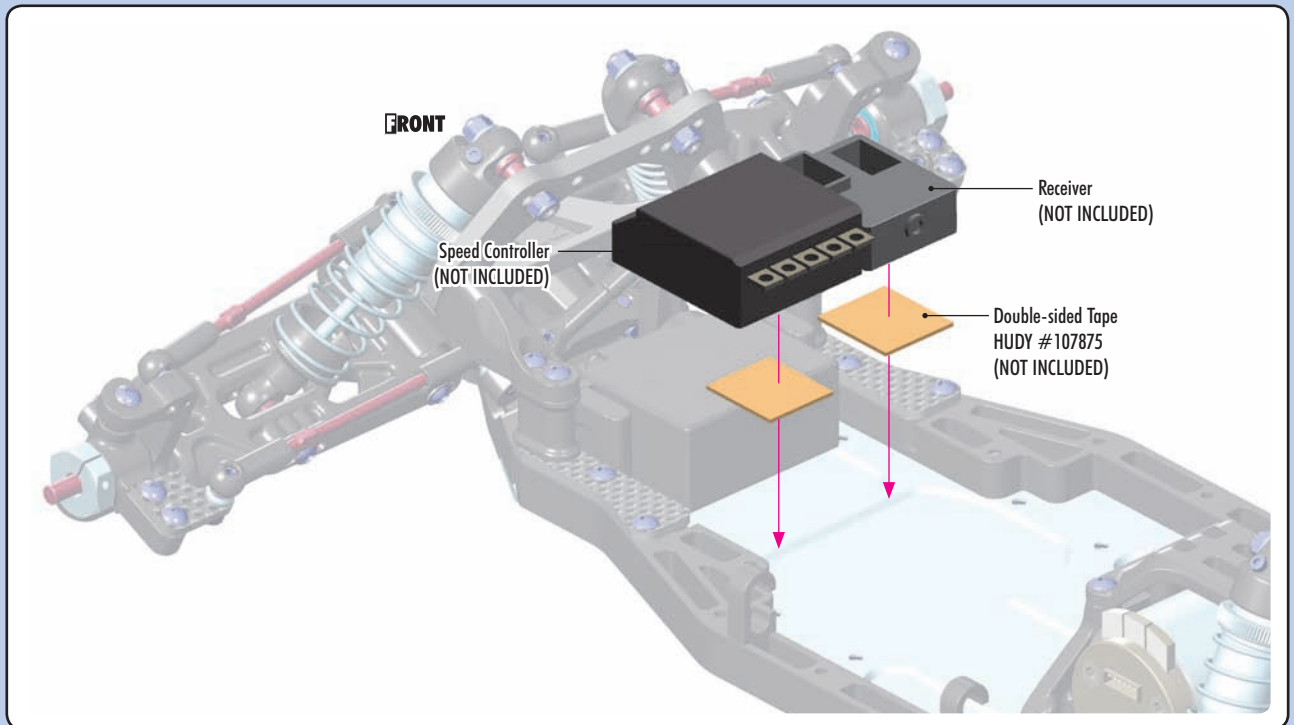


902312  
SH M3x12



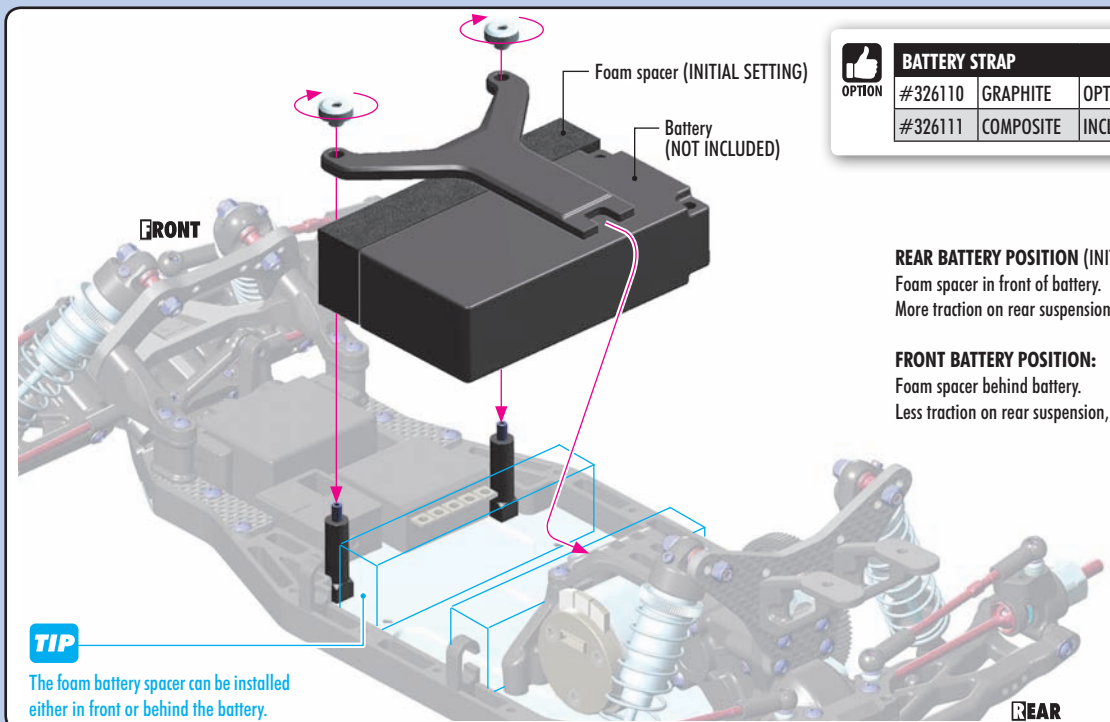


## 7. FINAL ASSEMBLY





## 7. FINAL ASSEMBLY



**FRONT**

**REAR**

Foam spacer (INITIAL SETTING)

Battery (NOT INCLUDED)

**BATTERY STRAP**

OPTION	#326110	GRAPHITE	OPTION
	#326111	COMPOSITE	INCLUDED

**REAR BATTERY POSITION (INITIAL SETTING):**  
Foam spacer in front of battery.  
More traction on rear suspension, less steering

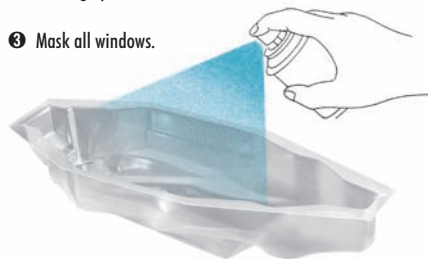
**FRONT BATTERY POSITION:**  
Foam spacer behind battery.  
Less traction on rear suspension, more cornering speed

**TIP**  
The foam battery spacer can be installed either in front or behind the battery.

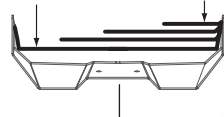
1 Before cutting and making holes on the BODY, put the unpainted body on the chassis to confirm the mounting position and location for holes and cutouts. Before cutting and making holes on the WING, put the unpainted wing on the wing holders to confirm the mounting position and location for holes and cutouts.

2 Before painting, wash the inside of the body with mild detergent, and then rinse and dry thoroughly.

3 Mask all windows.



LESS TRACTION MORE TRACTION



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.

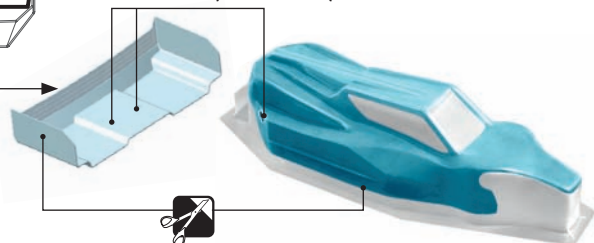
8 When you have finished cutting, peel off the external protective films.

**LEXAN BODY**

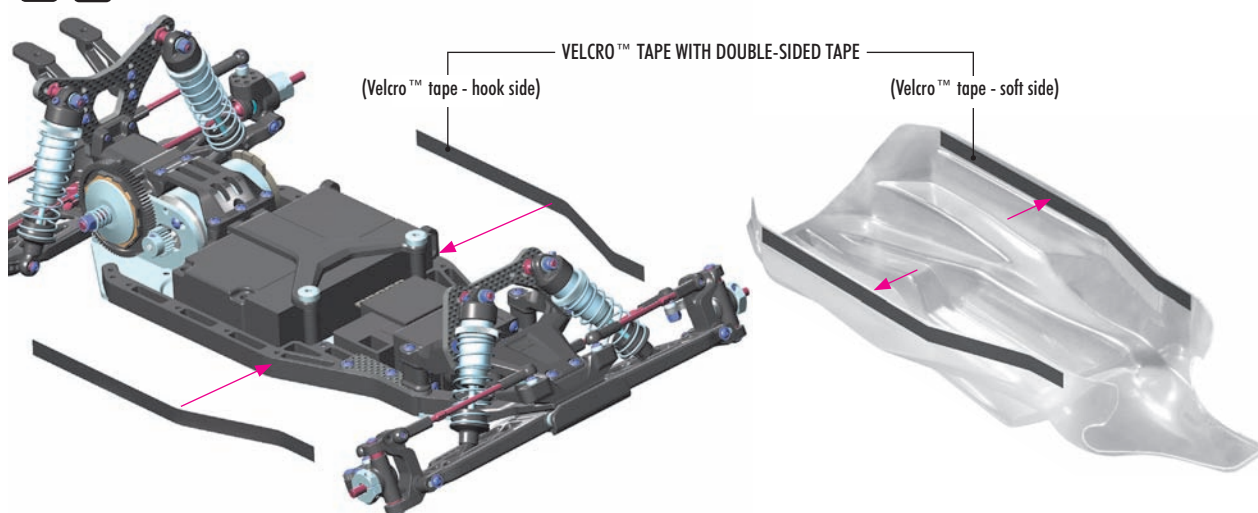
OPTION	#329700	0.75MM	INCLUDED
	#329701	0.5MM LIGHT	OPTION



BODY REAMER (HUDY #107600)



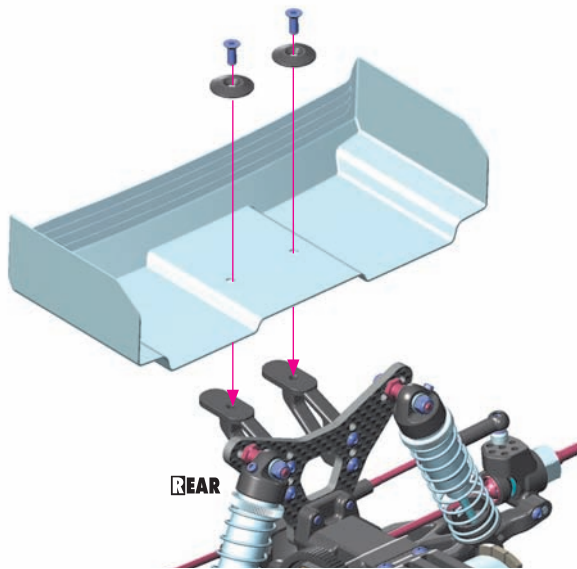
2x L=R





903308  
SFH M3x8

2x



OPTION

## REAR WING SHIM

#293561	SILVER	OPTION
#293561-0	ORANGE	OPTION



OPTION

## LEXAN REAR WING

#323510	1.0MM	INCLUDED
#323511	1.5MM	OPTION



1.0mm THICK - More aggressive

1.5mm THICK - More stable, less aggressive

## FRONT WHEELS ADJUSTMENT

### WHEELS FOR CARPET (NARROW)

### WHEELS FOR DIRT (WIDE)

For racing on CARPET cut from the inner part of the wheels based on tires that will be used on your XB2.

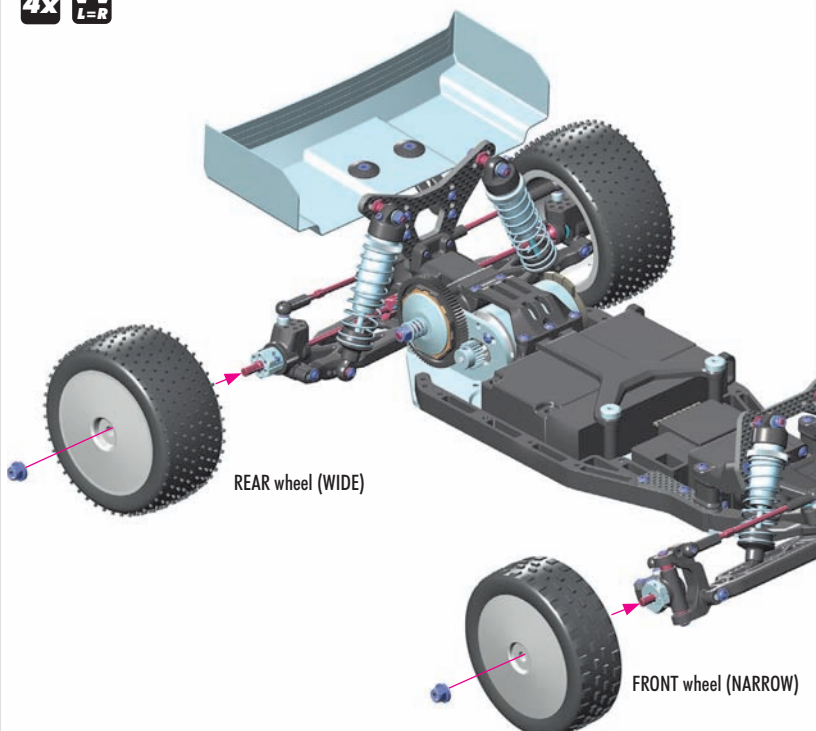


4x

L-R

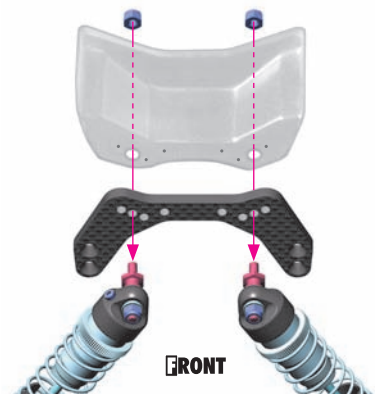


960240  
N M4



## FRONT WING

Cut the holes on the front wing based on your front shock position.



Using front wing increases steering.

## 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 #106230 HUDY Bearing Oil to lubricate the bearings.

HUDY #106230



## 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 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 #106210



## 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.



# SET-UP SHEET

# XRAY XB2

RACE		
TRACK		
NAME		DATE

LAPS		BEST LAP TIME	sec
QUALIFYING POSITION		FINAL POSITION	

TRACK		
SIZE	<input type="checkbox"/> OPEN	<input type="checkbox"/> MEDIUM
<input type="checkbox"/> TIGHT		
TRACTION		
<input type="checkbox"/> VERY-LOW <input type="checkbox"/> MEDIUM <input type="checkbox"/> VERY-HIGH		
SURFACE	<input type="checkbox"/> SMOOTH	<input type="checkbox"/> MEDIUM
<input type="checkbox"/> BUMPY		
TYPE	<input type="checkbox"/> CLAY	<input type="checkbox"/> CARPET
<input type="checkbox"/> ASTRO		
CONDITION	<input type="checkbox"/> BLUE GROOVE	<input type="checkbox"/> HARD PACKED
<input type="checkbox"/> DUSTY <input type="checkbox"/> LOAMY <input type="checkbox"/> WET		

TRANSMISSION	
DIFFERENTIAL	BALL DIFF <input type="checkbox"/> GEAR DIFF <input type="checkbox"/> OIL <input type="checkbox"/>
SATELLITE GEARS	COMPOSITE <input type="checkbox"/> STEEL <input type="checkbox"/>
SLIPPER	ADJUSTMENT <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> mm

GEARING	
GEAR BOX GEAR	3 GEARS <input type="checkbox"/> 4 GEARS <input type="checkbox"/>
PINION	T SPUR GEAR T

FRONT	SHOCKS	REAR
SPRINGS		
OIL		
REBOUND		
PISTONS		
<input type="checkbox"/> 2 HOLES	<input type="checkbox"/> ø1.2mm	<input type="checkbox"/> 2 HOLES
<input type="checkbox"/> 3 HOLES	<input type="checkbox"/> ø1.3mm	<input type="checkbox"/> 3 HOLES
<input type="checkbox"/> 6 HOLES	<input type="checkbox"/> ø1.4mm	<input type="checkbox"/> 6 HOLES
<input type="checkbox"/> ø1.6mm	<input type="checkbox"/> ø1.7mm	
<input type="checkbox"/> HOLES	<input type="checkbox"/> mm	<input type="checkbox"/> HOLES
DOWNSTOP SHIM	mm	DOWNSTOP SHIM
INSERT UNDER PISTON		INSERT UNDER PISTON
LENGTH	mm	LENGTH
UPSTOP SHIM	mm	UPSTOP SHIM
INSERT ABOVE COLLAR		INSERT ABOVE COLLAR
KIT		KIT
BALL JOINT		BALL JOINT

FRONT	SHOCK TOWER	REAR
GRAPHITE <input type="checkbox"/>	COMPOSITE <input type="checkbox"/>	GRAPHITE <input type="checkbox"/>
COMPOSITE <input type="checkbox"/>		

REAR ANTI ROLL BAR	
YES <input type="checkbox"/>	NO <input type="checkbox"/>
THICKNESS	mm

FRONT	TIRES	REAR
TYPE		
INSERTS		
WHEELS		

ELECTRONICS	
MOTOR	
SPEEDO	
BATTERIES	

ELECTRONICS LAYOUT		
MOTOR POSITION	<input type="checkbox"/> FRONT	<input type="checkbox"/> MIDDLE
<input type="checkbox"/> REAR		
BATTERY POSITION	<input type="checkbox"/> FRONT	<input type="checkbox"/> MIDDLE
<input type="checkbox"/> REAR		

BODY	
STANDARD <input type="checkbox"/>	LIGHT <input type="checkbox"/>
OTHER <input type="checkbox"/>	

FRONT		APPLIED <input type="checkbox"/> <input checked="" type="checkbox"/> APPLIED		REAR	
STEERING BLOCK	MEDIUM <input type="checkbox"/>	LONGER BUSHINGS	UP <input type="checkbox"/>	DRIVE SHAFT	CVD <input type="checkbox"/>
HARD <input type="checkbox"/>		DOWN <input type="checkbox"/>		ECS <input type="checkbox"/>	
CAMBER LINK LOCATION		SHIM mm		SHIM mm	
UPPER SHOCK POSITION		SHIM mm		SHIM mm	
LOWER SHOCK POSITION		SHIM mm		SHIM mm	
CASTER BLOCK		MEDIUM <input type="checkbox"/>		REAR UPRIGHT	
HARD <input type="checkbox"/>				FRONT <input type="checkbox"/>	
				REAR <input type="checkbox"/>	
				MEDIUM <input type="checkbox"/>	
				HARD <input type="checkbox"/>	
				ALU <input type="checkbox"/>	
				FRONT <input type="checkbox"/>	
				REAR <input type="checkbox"/>	

FRONT		REAR	
UPPER DECK	WING POSITION	SHOCK TOWER	WING CUTTING LINE
FRONT WING	YES <input type="checkbox"/>	NO <input type="checkbox"/>	1 2 3 4
CASTER BUSHINGS	0° <input type="checkbox"/>	2.5° <input type="checkbox"/>	5° <input type="checkbox"/>
KICK-UP °	KIT 26° <input type="checkbox"/>	BUMP STEER SHIM	mm
SHOCK POSITION		FRONT <input type="checkbox"/>	
		REAR <input type="checkbox"/>	
WING TYPE		1.0mm THICK <input type="checkbox"/>	
		1.5mm THICK <input type="checkbox"/>	
WING POSITION		UP <input type="checkbox"/>	
		DOWN <input type="checkbox"/>	

FRONT		REAR	
FRONT TOE	OUT <input type="checkbox"/>	REAR TOE	IN <input type="checkbox"/>
OFFSET		WHEELBASE SHIM	0mm 1mm 2mm 3mm 4mm
WHEELBASE SHIM	0mm 1mm	IN FRONT OF ARM	
ROLL CENTER HOLDER	MEDIUM <input type="checkbox"/>	UPPER BRACE	KIT <input type="checkbox"/>
HARD <input type="checkbox"/>		UPPER BRACE SCREW	
ALU <input type="checkbox"/>		SCREW	YES <input type="checkbox"/>
UPPER DECK	MEDIUM <input type="checkbox"/>	NO <input type="checkbox"/>	
HARD <input type="checkbox"/>		GRAPHITE GUARD BRACE	SOFT - KIT <input type="checkbox"/>
BATTERY STRAP		COMPOSITE <input type="checkbox"/>	
		GRAPHITE <input type="checkbox"/>	
FLEX LINKAGE		YES <input type="checkbox"/>	
		NO <input type="checkbox"/>	
ROLL CENTER		RF 0.5° <input type="checkbox"/>	
		1° <input type="checkbox"/>	
		ALU <input type="checkbox"/>	
		BRASS <input type="checkbox"/>	
		RR 0.5° <input type="checkbox"/>	
		1° <input type="checkbox"/>	
		ALU <input type="checkbox"/>	
		BRASS <input type="checkbox"/>	

FRONT		REAR	
SHIMS	mm	SHIMS	mm
ACKERMANN LEFT = RIGHT		ACKERMANN LEFT = RIGHT	
STEERING ARMS	COMPOSITE <input type="checkbox"/>	STEERING PLATE	COMPOSITE <input type="checkbox"/>
ALU <input type="checkbox"/>		ALU <input type="checkbox"/>	
BUMP STEER SHIM	mm	BUMP STEER SHIM	mm
ROLL CENTER		RF 0.5° <input type="checkbox"/>	
		1° <input type="checkbox"/>	
		ALU <input type="checkbox"/>	
		BRASS <input type="checkbox"/>	
		RR 0.5° <input type="checkbox"/>	
		1° <input type="checkbox"/>	
		ALU <input type="checkbox"/>	
		BRASS <input type="checkbox"/>	

FRONT CAMBER		REAR CAMBER	
FRONT ARM	MEDIUM <input type="checkbox"/>	REAR ARM	MEDIUM <input type="checkbox"/>
HARD <input type="checkbox"/>		HARD <input type="checkbox"/>	
GRAPHITE <input type="checkbox"/>		GRAPHITE <input type="checkbox"/>	
RIDE HEIGHT	mm	RIDE HEIGHT	mm
#107721 GAUGE		#107721 GAUGE	

FRONT		REAR	
SERVO WEIGHT	STANDARD <input type="checkbox"/>	LOW PROFILE <input type="checkbox"/>	
CHASSIS BRACE	MEDIUM <input type="checkbox"/>	CHASSIS	ALU <input type="checkbox"/>
HARD <input type="checkbox"/>		ALU FLEX <input type="checkbox"/>	
ARM MOUNT	COMPOSITE <input type="checkbox"/>	GRAPHITE <input type="checkbox"/>	
ALU <input type="checkbox"/>		CHASSIS FLEX	<input type="checkbox"/> SCREW USED
BRASS <input type="checkbox"/>			<input type="checkbox"/> SCREW NOT USED

**[www.teamxray.com](http://www.teamxray.com)**

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