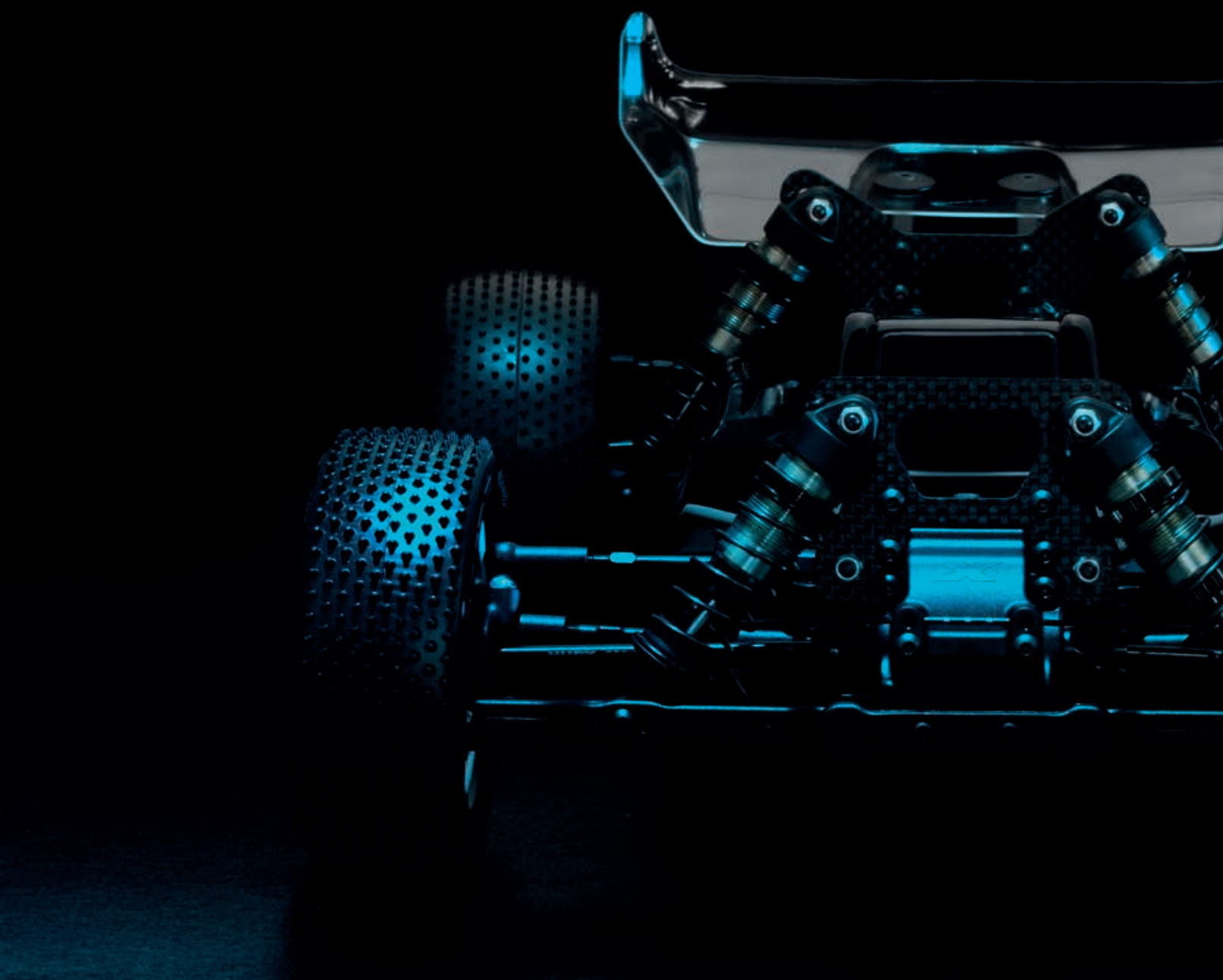
1/10 ELECTRIC OFF-ROAD BUGGY 4WD

XRAY XB4



INSTRUCTION MANUAL

FOR XB4C'27 & XB4D'27 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
K Vystavisku 6992
91101 Trenčín
Slovakia, EUROPE
Phone: 421-32-7401100
Fax: 421-32-7401109
E-mail: info@teamxray.com

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

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 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 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 excess the monetary value of this product.

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

Disregard of the any of the above cautions may lead to accidents, personal injury, or property damage.

XRAY MODEL RACING CARS assumes no responsibility for any injury, damage, or misuse of this product during assembly or operation, nor any addictions that may arise from the use of this product.
All rights reserved.

QUALITY CERTIFICATE

XRAY MODEL RACING CARS uses only the highest quality materials, the best compounds for molded parts and the most sophisticated manufacturing processes of TQM (Total Quality Management). We guarantee that all parts of a newly-purchased kit are manufactured with the highest regard to quality. However, due to the many factors inherent in model racecar competition, we cannot guarantee any parts once you start racing the car. Products which have been worn out, abused, neglected or improperly operated will NOT be covered under warranty. We wish you enjoyment of this high-quality and high-performance RC car and wish you best success on the track!

In line with our policy of continuous product development, the exact specifications of the kit may vary. In the unlikely event of any problems with your new kit, you should contact the model shop where you purchased it, quoting the part number.
We do reserve all rights to change any specification without prior notice. All rights reserved.

TOOLS REQUIRED

Short Socket Wrench 5.5mm (HUDY #170004)





Pocket Hobby Knife (HUDY #188981)



Special Tool for turnbuckles, nuts (HUDY #181090)



Turnbuckle Wrench 3.5mm (HUDY #181035)



Turnbuckle Wrench 3mm (HUDY #181030)



Turnbuckle Wrench 3.5mm (HUDY #181036)



HUDY Tweezers Straight (HUDY #188970)



HUDY Tweezers Curved (HUDY #188971)



Allen 1.5mm (#111545 - HUDY EXCLUSIVE Limited Edition)



Allen 2.0mm (#112045 - HUDY EXCLUSIVE Limited Edition)



Arm Reamer 3.0mm (#107643 - HUDY EXCLUSIVE Limited Edition)



Socket 5.5mm (#175535 - HUDY EXCLUSIVE Limited Edition)



Socket 7.0mm (#177035 - HUDY EXCLUSIVE Limited Edition)



Reamer (#107602 - HUDY EXCLUSIVE Limited Edition)



Professional Multi Tool (HUDY #183011)



Scissors (HUDY #188990)



Ball Joint Wrench (HUDY #181110)

EQUIPMENT INCLUDED

300cSt (#106330) HUDY Premium Silicone Oils



SILICONE OIL

CARPET DIRT

350cSt (#106335) HUDY Premium Silicone Oils



SILICONE OIL

CARPET DIRT

30.000cSt (#106530) HUDY Premium Silicone Oils



SILICONE OIL

CARPET

40.000cSt (#106540) HUDY Premium Silicone Oils



SILICONE OIL

CARPET

10.000cSt (#106510) HUDY Premium Silicone Oils



SILICONE OIL

DIRT

100.000cSt (#106610) HUDY Premium Silicone Oils



SILICONE OIL

DIRT

(HUDY #106210) Premium Graphite Grease



GRAPHITE GREASE

CARPET DIRT

EQUIPMENT REQUIRED

Transmitter



Receiver



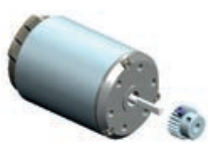
Speed Controller



Steering Servo



Electric Motor & Pinion Gear with Setscrew



LiPo Battery



Battery Charger



OPTION Double-sided Tape (HUDY #107875)



Lexan™ Paint



4x Tires & Inserts



OPTION Bearing Oil (HUDY #106230)



Threadlock



CA glue



NOT INCLUDED

SAMPLE OF OPTIONAL PARTS		
#36XXXX	TYPE1	OPTION 1
#36XXXX	TYPE2	OPTION 2
#36XXXX	TYPE	INCLUDED

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

COLOR INDICATIONS

At the beginning of each section is an exploded view of the parts to be assembled. There is also a list of all the parts and part numbers that are related to the assembly of that section.

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

361200 **STYLE A** - indicates parts that are included in the bag marked for the section.

361100 **STYLE B** - indicates parts that are included in the box.

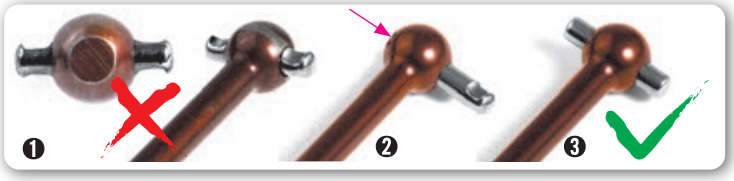
364900 **STYLE C** - indicates parts that are already assembled from previous steps.

365100 **STYLE D** - indicates parts that are OPTIONAL.

TECH TIPS

TIP DRIVE SHAFT PIN SERVICING

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



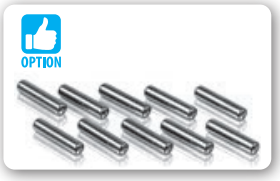
DO NOT use drive shafts when the pins are worn.

Press out the worn pins.

Press in new pins and regularly inspect for wear.



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



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

CARBON PARTS PREPARATION

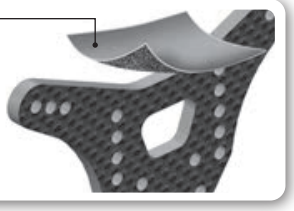
Follow this Tech Tip to prepare the carbon parts. Sand the edges with sandpaper, and then seal the edges with CA glue to reinforce them and help prevent delamination.

Prepare all Carbon Parts:

- Front shock tower
- Rear shock tower

Fine sandpaper

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



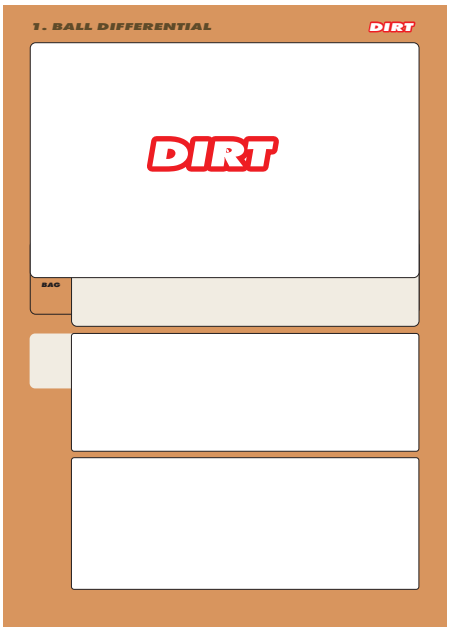
CA

Apply CA glue to all edges of the carbon parts.

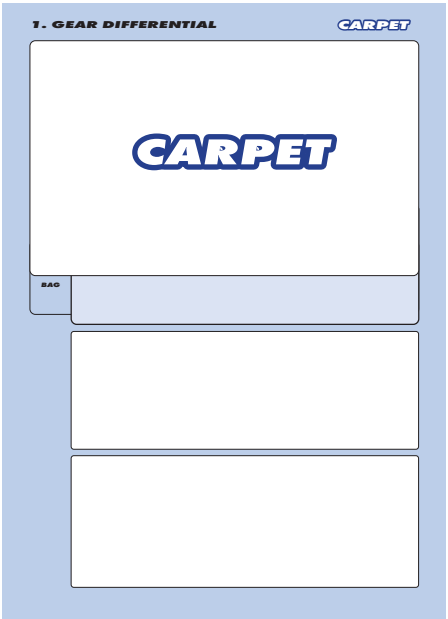


MANUAL PAGE MARKING

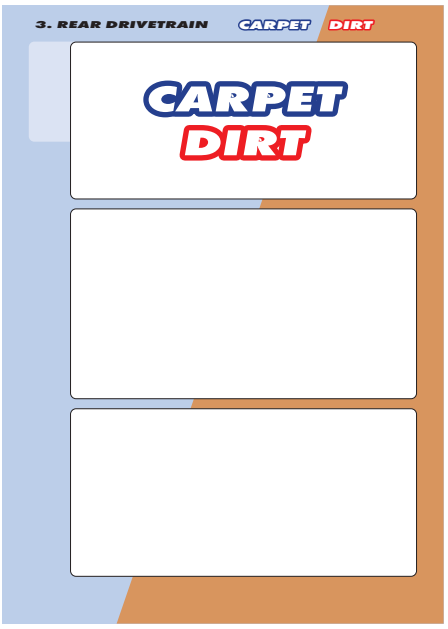
MANUAL STEPS ONLY FOR DIRT



MANUAL STEPS ONLY FOR CARPET



MANUAL DUAL STEPS FOR CARPET AND DIRT





TIP

All ball-bearings are factory pre-oiled or pre-greased. The bearings of each type are packaged separately; there is a BAG 00.9 with pre-greased ball-bearings and a separate bag with pre-oiled ball-bearings.

For pre-oiled ball-bearings, use:
#106230 HUDY Bearing Oil.

For pre-greased ball-bearings with rubber covers, use one of these bearing greases:
#106220 - HUDY Bearing Grease - suggested for extremely dusty track conditions.
#106221 - HUDY Bearing Grease "Blue" - suggested for medium dusty track conditions.
#106222 - HUDY Bearing Grease "Red" - suggested for low dusty track conditions.

Replace any bearings that develop a "gritty" feeling to prevent inefficiency and avoid failures.

Make sure to use only original XRAY ball-bearings, which all have specific tolerances, axial and radial play, and are all individually selected. Using 3rd party ball-bearings may result in bearing failures and damage to other parts.

HUDY PREMIUM SILICONE OILS



HUDY PREMIUM SILICONE OILS		
FOR CENTER GEAR DIFFERENTIAL		
#106610	100.000cSt - 50ml	INCLUDED
#106620	200.000cSt - 50ml	OPTION
#106630	300.000cSt - 50ml	OPTION
#106650	500.000cSt - 50ml	OPTION
#106692	1 000.000cSt - 50ml	OPTION
#106694	2 000.000cSt - 50ml	OPTION

HUDY PREMIUM SILICONE OILS		
FOR SHOCK ABSORBERS		
#106321	200cSt - 100ml	OPTION
#106326	250cSt - 100ml	OPTION
#106331	300cSt - 100ml	INCLUDED
#106336	350cSt - 100ml	INCLUDED
#106338	375cSt - 100ml	OPTION
#106341	400cSt - 100ml	OPTION
#106343	425cSt - 100ml	OPTION
#106346	450cSt - 100ml	OPTION
#106348	475cSt - 100ml	OPTION
#106351	500cSt - 100ml	OPTION
#106353	525cSt - 100ml	OPTION
#106356	550cSt - 100ml	OPTION
#106358	575cSt - 100ml	OPTION
#106361	600cSt - 100ml	OPTION

HUDY PREMIUM SILICONE OILS		
FOR GEAR DIFFERENTIAL		
#106450	5.000cSt - 50ml	OPTION
#106460	6.000cSt - 50ml	OPTION
#106470	7.000cSt - 50ml	OPTION
#106480	8.000cSt - 50ml	OPTION
#106490	9.000cSt - 50ml	OPTION
#106510	10.000cSt - 50ml	INCLUDED
#106492	11.000cSt - 50ml	OPTION
#106512	12.000cSt - 50ml	OPTION
#106513	13.000cSt - 50ml	OPTION
#106515	15.000cSt - 50ml	OPTION
#106517	17.000cSt - 50ml	OPTION
#106520	20.000cSt - 50ml	OPTION
#106530	30.000cSt - 50ml	INCLUDED
#106540	40.000cSt - 50ml	INCLUDED
#106550	50.000cSt - 50ml	OPTION
#106560	60.000cSt - 50ml	OPTION
#106580	80.000cSt - 50ml	OPTION

HUDY TITANIUM 5.4mm BALL STUDS

ø5.4mm



HUDY TITANIUM 4.9mm BALL STUDS

ø4.9mm



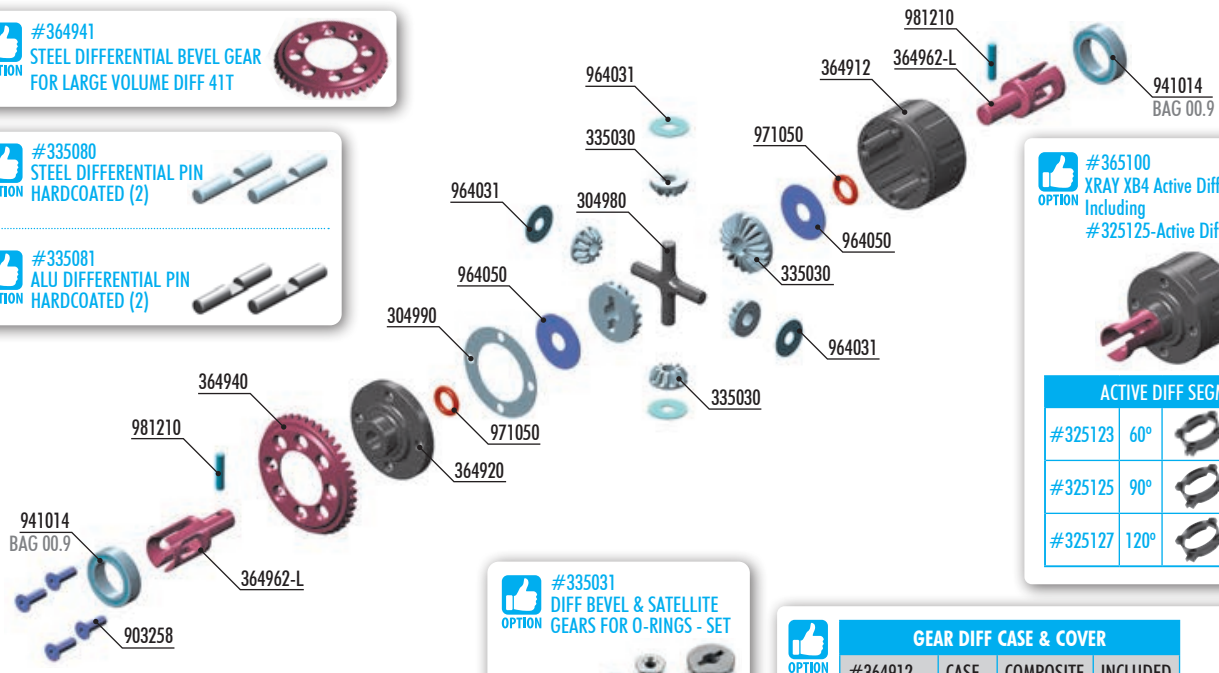
TITANIUM MATERIAL SUPER LIGHTWEIGHT ULTRA-PRECISE
LONG LIFE HIGH DURABILITY MADE BY HUDY
MADE IN EUROPE



OPTION #364941
STEEL DIFFERENTIAL BEVEL GEAR FOR LARGE VOLUME DIFF 41T

OPTION #335080
STEEL DIFFERENTIAL PIN HARDCOATED (2)

OPTION #335081
ALU DIFFERENTIAL PIN HARDCOATED (2)



OPTION #365100
XRAY XB4 Active Diff Front/Rear -Set Including
#325125-Active Diff Segment 90°

ACTIVE DIFF SEGMENTS			
#325123	60°		OPTION
#325125	90°		OPTION
#325127	120°		OPTION

OPTION #335031
DIFF BEVEL & SATELLITE GEARS FOR O-RINGS - SET



OPTION

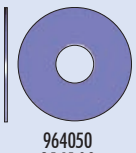
GEAR DIFF CASE & COVER			
#364912	CASE	COMPOSITE	INCLUDED
#364920	COVER	COMPOSITE	INCLUDED
#364912-G	CASE	GRAPHITE	OPTION
#364920-G	COVER	GRAPHITE	OPTION



BAG 01
2x Gear Differentials

304980	COMPOSITE GEAR DIFF CROSS PIN
304990	DIFF GASKET (4)
335030	STEEL DIFF BEVEL & SATELLITE GEARS (2+4)
364903-L	GEAR DIFFERENTIAL - LIGHTWEIGHT - SET
364912	COMPOSITE GEAR DIFFERENTIAL CASE - LARGE VOLUME
364920	COMPOSITE GEAR DIFFERENTIAL COVER - LARGE VOLUME
364940	STEEL DIFFERENTIAL BEVEL GEAR FOR LARGE VOLUME DIFF 40T
364962-L	GEAR DIFF OUTDRIVE ADAPTER - LIGHTWEIGHT (2)
903258	HEX SCREW SFH 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)

Numbers in parentheses ( ) refer to quantities when purchased separately.



1x 964050 S 5x15x0.3

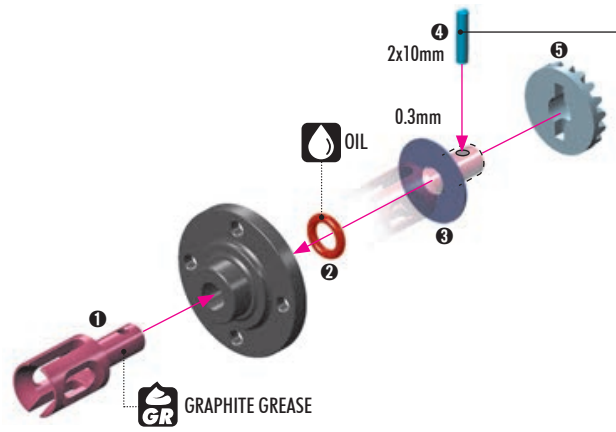


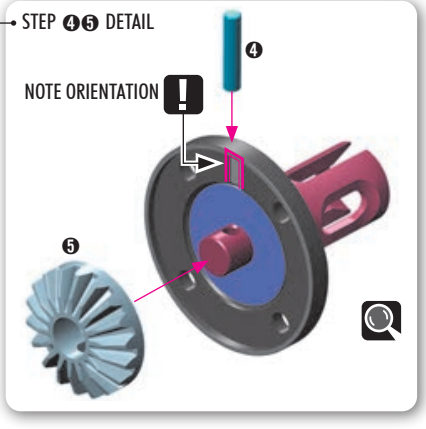
1x 971050 O 5x1.5

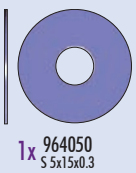


1x 981210 P 2x10

2x



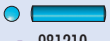




1x 964050 S 5x15x0.3



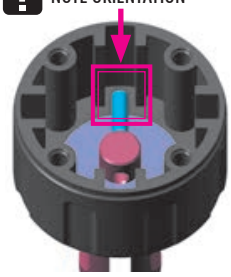
1x 971050 O 5x1.5



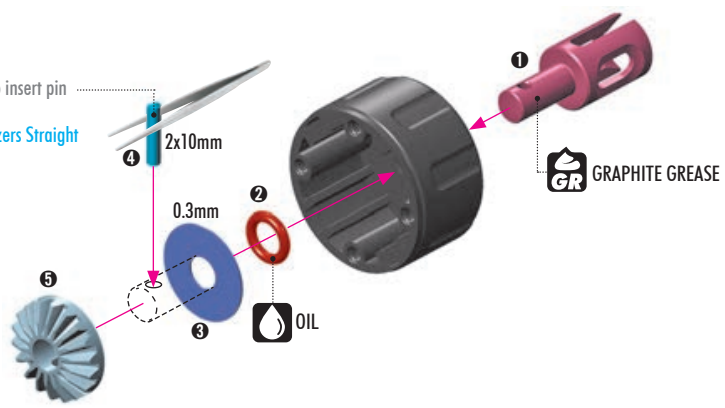
1x 981210 P 2x10

2x

NOTE ORIENTATION



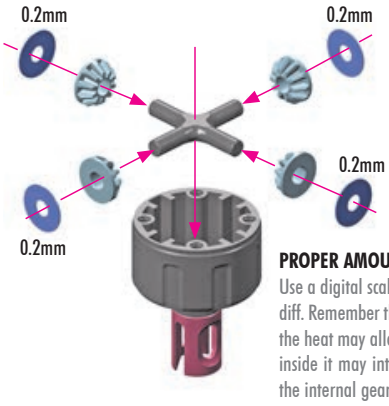
Use tweezers to insert pin
OPTION #188970
HUDY Tweezers Straight



1. FRONT & REAR DIFFERENTIAL

CARPET DIRT

4x 964031 S 3.5x10x0.2



Front diff Silicone oil
CARPET 40.000cSt
DIRT 10.000cSt
Fill just above the cross-pins.

OIL

Rear diff Silicone oil
30.000cSt CARPET
10.000cSt DIRT
Fill just above the cross-pins.

Wait 5min





Fill differential up to the top of the diff pin.

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

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.

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



❶ Put the diff (without oil) on the scale and check the weight.

OPTION #107865 HUDY Professional Digital Pocket Scale 300g/0.01g

OIL

16.97g + 1.80g = 18.77g



❷ Slowly pour oil into the diff and watch the weight. Add 1.80g of oil into the diff.

OPTION #107866 HUDY Professional Digital Pocket Scale 3000g/0.1g

TIP FRONT DIFFERENTIAL

DIRT
LOW TRACTION	7.000cSt (HUDY #106470)
MEDIUM TRACTION	10.000cSt (HUDY #106510)
HIGH TRACTION	15.000cSt (HUDY #106515)

CARPET
LOW TRACTION	30.000cSt (HUDY #106530)
MEDIUM TRACTION	40.000cSt (HUDY #106540)
HIGH TRACTION	50.000cSt (HUDY #106550)

TIPS FOR DIFFERENTIALS

Softer oil increases steering, harder oil increases stability.

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

REAR DIFFERENTIAL TIP

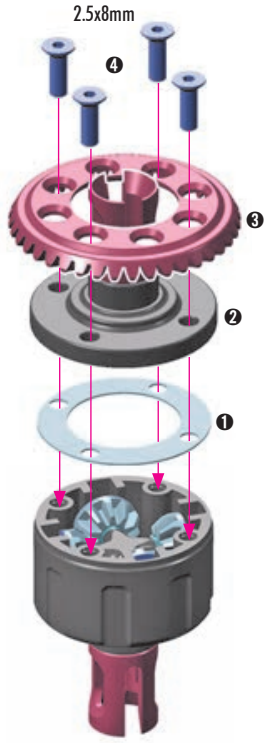
DIRT
LOW TRACTION	7.000cSt (HUDY #106470)
MEDIUM TRACTION	10.000cSt (HUDY #106510)
HIGH TRACTION	15.000cSt (HUDY #106515)

CARPET
LOW TRACTION	20.000cSt (HUDY #106520)
MEDIUM TRACTION	30.000cSt (HUDY #106530)
HIGH TRACTION	40.000cSt (HUDY #106540)

4x 903258 SFH M2.5x8

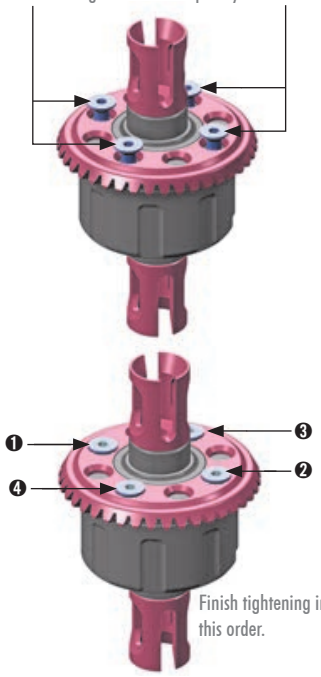
2x 941014 BB 10x15x4

2x



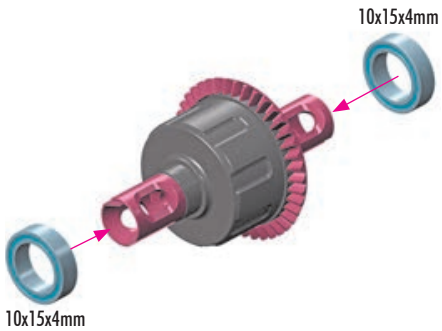
2x

Tighten the screws equally but DO NOT tighten them completely.



Finish tightening in this order.

2x



XRAY

2. CENTER GEAR DIFFERENTIAL

OPTION #365101 XRAY XB4 Active Diff Center -Set including #325125-Active Diff Segment 90°



ACTIVE DIFF SEGMENTS			
#325123	60°		OPTION
#325125	90°		OPTION
#325127	120°		OPTION

OPTION #364912-G GEAR DIFFERENTIAL CASE - LARGE VOLUME - GRAPHITE

OPTION

CENTER DIFF SPUR GEARS 48P		
#364975	75T	INCLUDED
#364978	78T	OPTION



OPTION

BEVEL & SATELLITE GEARS		
#304930	COMPOSITE	INCLUDED
#304932	GRAPHITE	OPTION
#335030	STEEL	OPTION



OPTION

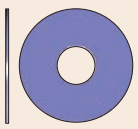
GEAR DIFF CROSS PINS		
#304980	COMPOSITE	INCLUDED
#335080	STEEL	OPTION
#335081	ALU	OPTION



BAG 02

304930 COMPOSITE GEAR DIFF BEVEL & SATELLITE GEARS (2+4)
304980 COMPOSITE GEAR DIFF CROSS PIN
304990 DIFF GASKET (4)
364904-L GEAR CENTER DIFFERENTIAL - LIGHTWEIGHT - SET
364912 COMPOSITE GEAR DIFFERENTIAL CASE - LARGE VOLUME
364913 COMPOSITE CENTER GEAR DIFF ADAPTER - LARGE VOLUME
364966 CENTER GEAR DIFF OUTDRIVE ADAPTER - LIGHTWEIGHT (1+1)
364975 COMPOSITE CENTER DIFF SPUR GEAR 75T / 48
902306 HEX SCREW SH M3x6 (10)
903258 HEX SCREW SFH M2.5x8 (10)
964031 WASHER S 3.5x10x0.2 (10)
964050 WASHER S 5x15x0.3 (10)
971050 SILICONE O-RING 5x1.5 (10)
980210 PIN 2x10 (10)

Numbers in parentheses ( ) refer to quantities when purchased separately.



1x 964050 S 5x15x0.3



1x 971050 O 5x1.5



1x 980210 P 2x10

OPTION #335031 DIFF BEVEL & SATELLITE GEARS FOR O-RINGS - SET

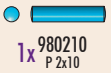




1x 964050 S 5x15x0.3

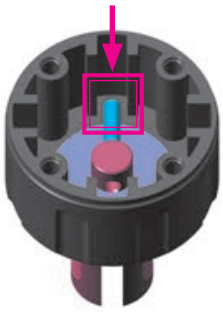


1x 971050 O 5x1.5

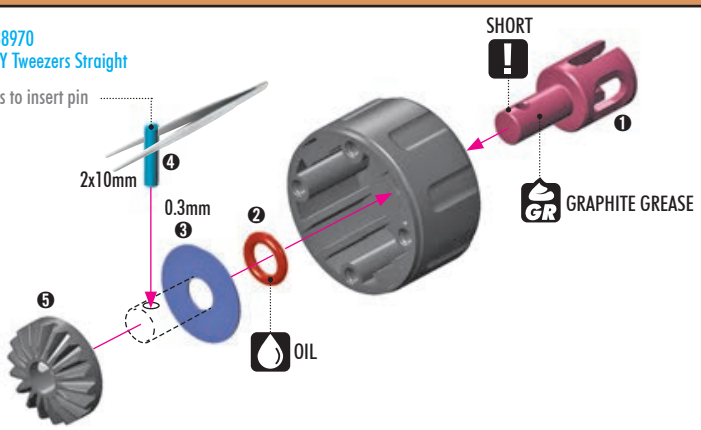


1x 980210 P 2x10

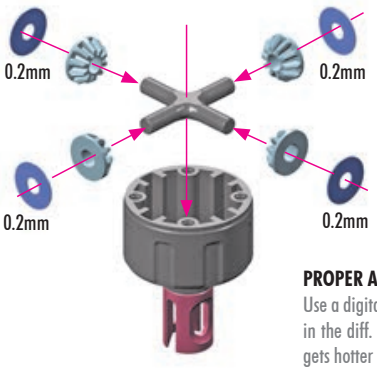
NOTE ORIENTATION



OPTION #188970 HUDY Tweezers Straight
Use tweezers to insert pin

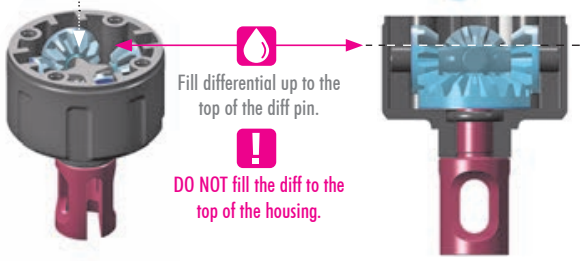


4x 964031 S 3.5x10x0.2



Center diff
Silicone oil 100.000cSt
Fill just above the diff pin.

Wait 5min



Fill differential up to the top of the diff pin.

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

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.

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





100.000cSt

❶ Put the diff (without oil) on the scale and check the weight (approximately 11.72g)

CENTER Diff. 11.72g + 1.50g = 13.22g

❷ Slowly pour oil into the diff and watch the weight.

OPTION #107865
HUDY Professional Digital Pocket Scale 300g/0.01g

OPTION #107866
HUDY Professional Digital Pocket Scale 3000g/0.1g

TIP FOR CENTER DIFFERENTIAL

LOW TRACTION	50.000cSt (HUDY #106550)
MEDIUM TRACTION	100.000cSt (HUDY #106610)
HIGH TRACTION	500.000cSt (HUDY #106650)

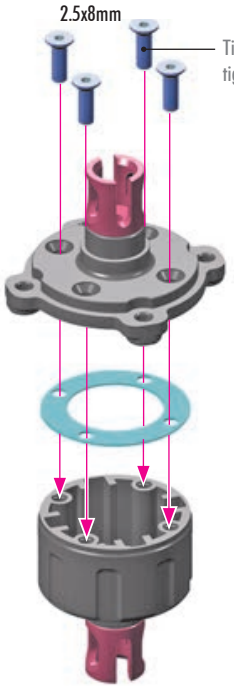
NOTE:
Softer oil increases steering, harder oil increases stability.

4x 902306 SH M3x6

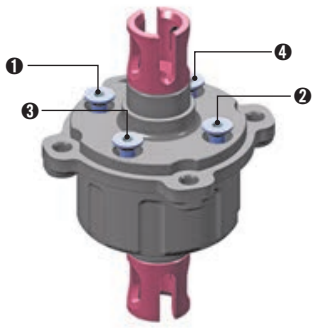
4x 903258 SFH M2.5x8

2.5x8mm

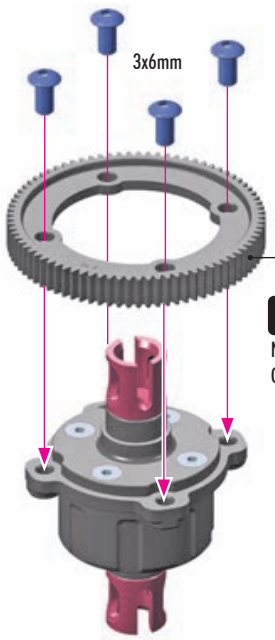
Tighten the screws equally but DO NOT tighten them completely.



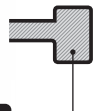
Finish tightening in this order.



3x6mm

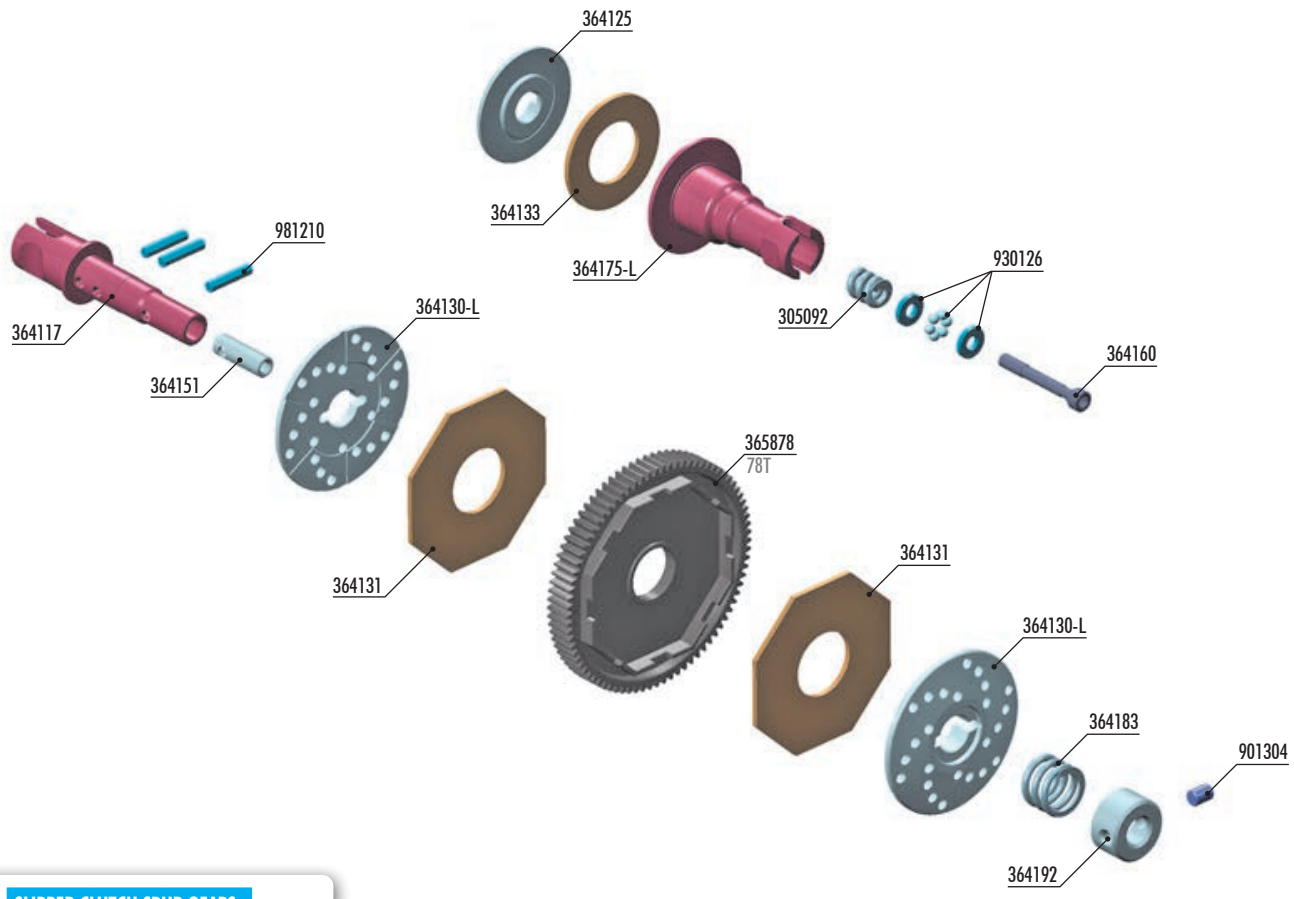


cutaway view



NOTE ORIENTATION

2. SLIPPER CLUTCH



OPTION

SLIPPER CLUTCH SPUR GEARS		
#365872	72T / 48	OPTION
#365875	75T / 48	OPTION
#365878	78T / 48	INCLUDED

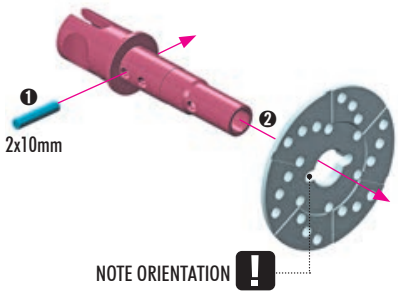
BAG 02

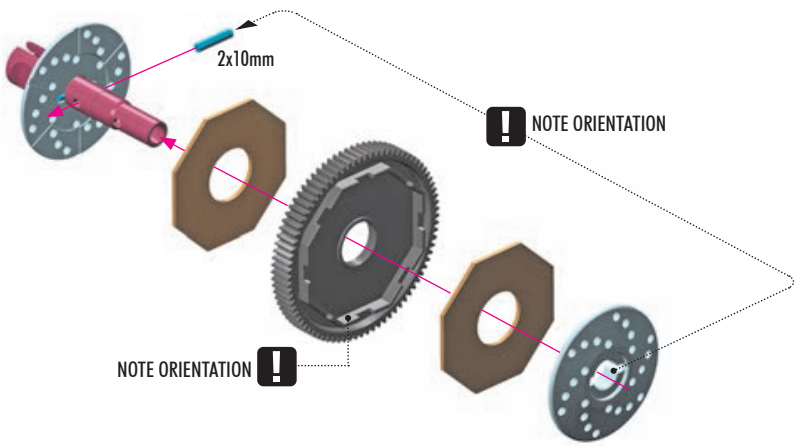
305092	BALL DIFFERENTIAL SPRING	364175-L	OUTDRIVE ADAPTER WITH PRESSED ONE-WAY BEARING - LIGHTWEIGHT
364101-S	ONE-WAY SLIPPER CLUTCH SET - LIGHTWEIGHT & SHORT	364183	SLIPPER CLUTCH SPRING C=50 - BLACK
364117	ONE-WAY SLIPPER CLUTCH SHAFT - LIGHTWEIGHT & SHORT	364192	ALU NUT FOR ONE-WAY SLIPPER CLUTCH
364130-L	ALU ONE-WAY SLIPPER CLUTCH PLATES - VENTILATED - SET	365878	COMPOSITE SLIPPER CLUTCH SPUR GEAR 78T / 48
364125	ALU PLATE FOR ONE-WAY SLIPPER CLUTCH FOR OUTDRIVE - SWISS 7075 T6		
364131	SLIPPER CLUTCH PAD SLS - SOFT (3)	901304	HEX SCREW SB M3x4 (10)
364133	SLIPPER CLUTCH ONE-WAY OUTDRIVE PAD SLS - SOFT (2)	930126	CARBIDE BALL-BEARING AXIAL 2.6x6x1
364151	STEEL BUSHING FOR ONE-WAY SLIPPER CLUTCH	981210	PIN 2x10 (10)
364160	SCREW FOR ONE-WAY SLIPPER CLUTCH ADJUSTMENT - HUDY SPRING STEEL™		

Numbers in parentheses ( ) refer to quantities when purchased separately.

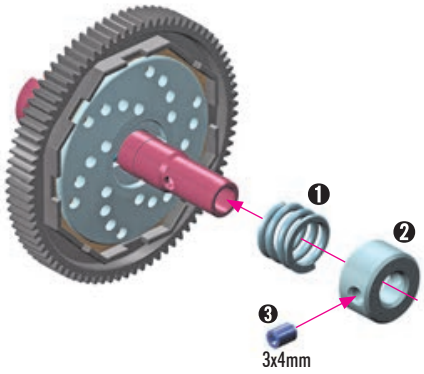


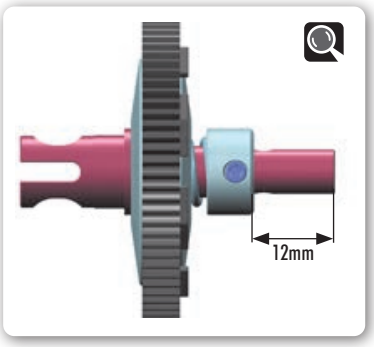
2x 981210 P 2x10



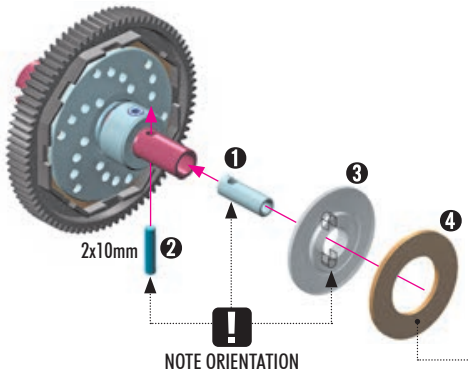


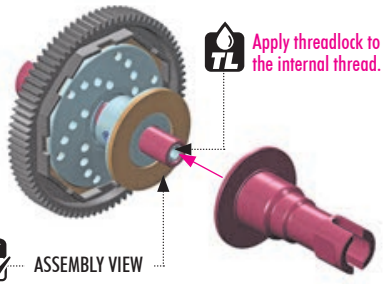
1x 901304 SB M3x4



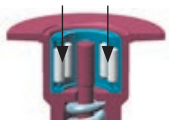


1x 981210 P 2x10



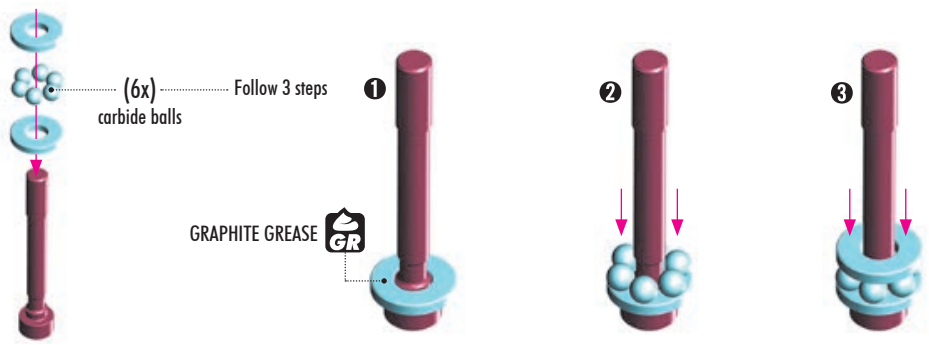


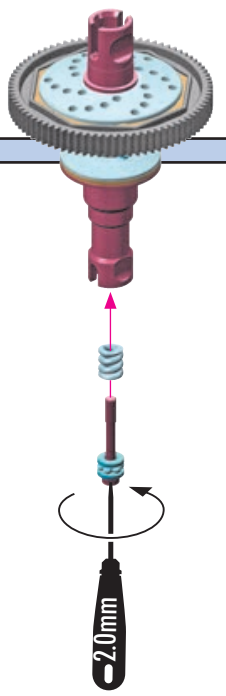
#106231
HUDY ONE-WAY BEARING OIL

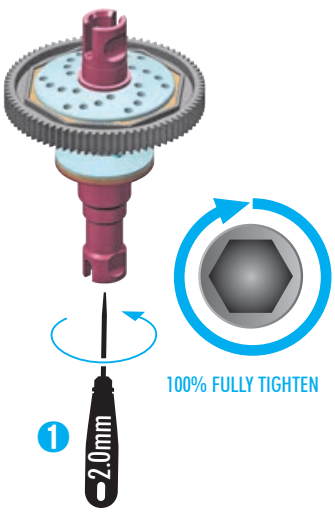


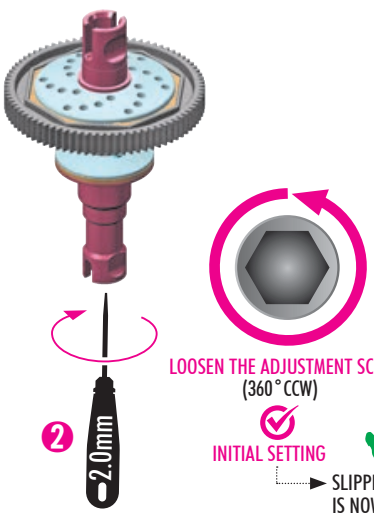
Apply a drop of One-Way Bearing Oil after every 1-2 hours of driving to increase lifespan. A dry one-way bearing may cause damage or failure.

1x 930126 BA 2.6x6x1







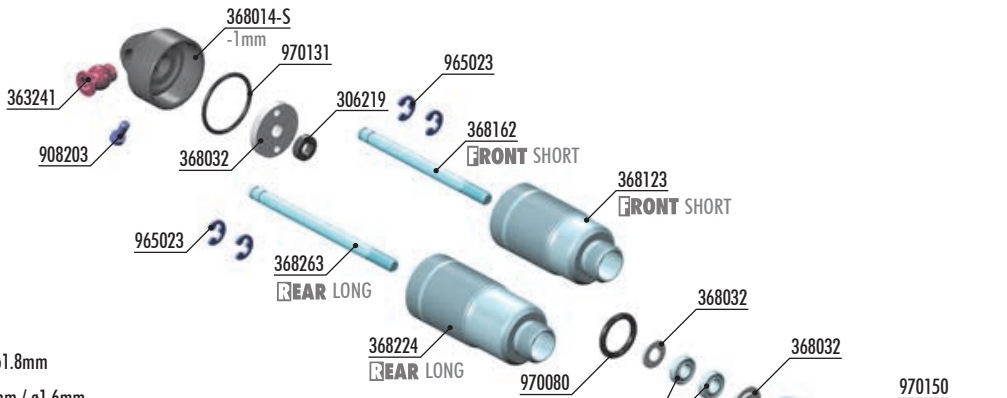


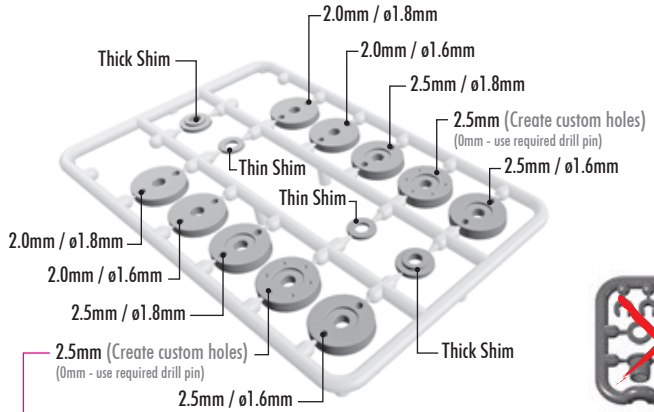
3. SHOCK ABSORBERS

CARPET DIRT

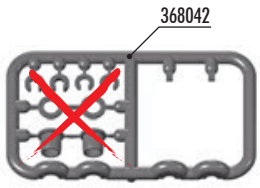
OPTION #368011
COMPOSITE SHOCK BALL JOINT
+2mm & +4mm (2+2)



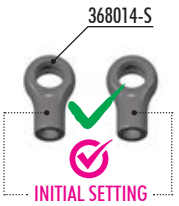




These pistons can NOT be used in shocks without making the custom holes by yourselves.



Do NOT use C- shims & shock cap bushings for initial setting.



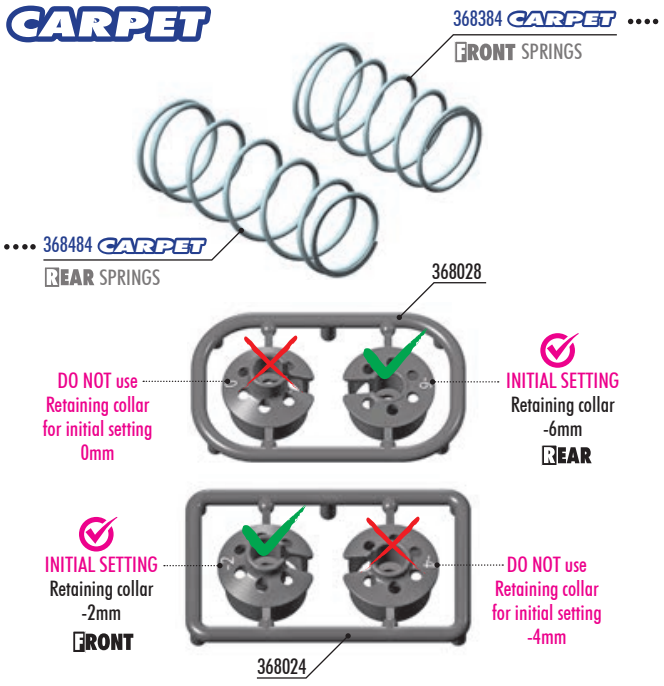
FRONT & REAR CARPET Ball joint 0mm FRONT & REAR DIRT

BAG 03

306219	COMPOSITE SET OF SERVO SHIMS (4)
352460	PIVOT BALL 5.8 (10)
363241	BALL UNIVERSAL 5.8mm WITH BACKSTOP (2)
368014-S	SHORT SHOCK CAP, SPRING COLLAR & BALL JOINT - BIG BORE (2)
368032	SHOCK PISTONS - COMPLETE SET - DELRIN - BIG BORE
368042	COMPOSITE SHOCK BUSHING & SHIM (2+2)
368049	ALU SHOCK ADJUSTABLE NUT - BIG BORE (2)
368102-S	SHOCK ABSORBERS 30mm- SHORT CAP - BIG BORE - SET (2)
368123	ALU FRONT SHOCK BODY 30mm - BIG BORE (2)
368140	ALU LOWER SHOCK BODY CAP (2)
368162	FRONT HARDENED SHOCK SHAFT 40mm (2)
368202-S	SHOCK ABSORBERS 35.5mm - SHORT CAP - BIG BORE - SET (2)
368224	ALU REAR SHOCK BODY 35.5mm - BIG BORE (2)
368263	REAR HARDENED SHOCK SHAFT 45mm (2)
908203	HEX SCREW SOCKET HEAD CAP M2x3 (10)
965023	E-CLIP 2.3 (10)
970080	O-RING 8x1 (10)
970131	O-RING 13 x 1.0 (10)
970150	O-RING 15 x 1.5 (10)
973030	SILICONE X-RING PRE-OILED 3x2 (8)

Numbers in parentheses ( ) refer to quantities when purchased separately.

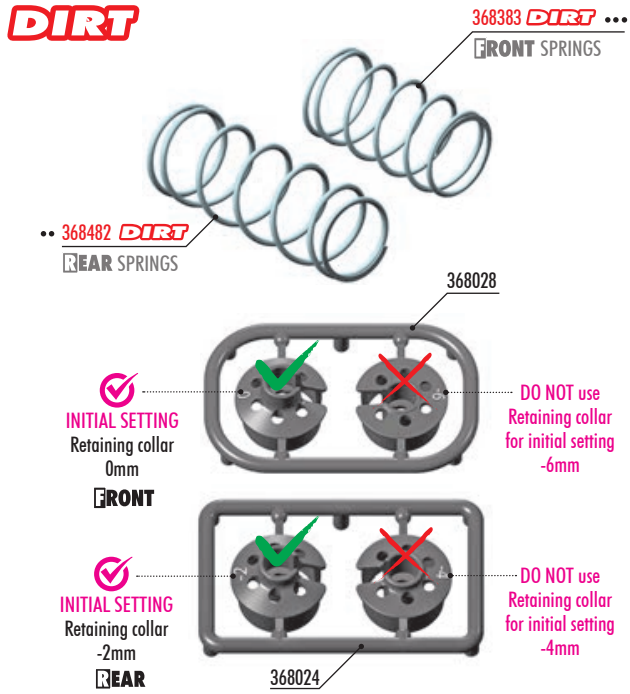
CARPET



BAG 03.1

368024	COMPOSITE SPRING COLLAR -2mm & -4mm - BIG BORE (2+2)
368028	COMPOSITE SPRING COLLAR 0mm & -6mm - BIG BORE (2+2)
368384	FRONT CONICAL SPRING-SET L=42.5mm - 4 DOTS (2)
368484	REAR CONICAL SPRING-SET L=57.5mm - 4 DOTS (2)

DIRT



BAG 03.1

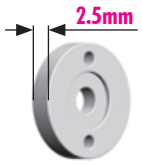
368024	COMPOSITE SPRING COLLAR -2mm & -4mm - BIG BORE (2+2)
368028	COMPOSITE SPRING COLLAR 0mm & -6mm - BIG BORE (2+2)
368383	FRONT CONICAL SPRING-SET L=42.5mm - 3 DOTS (2)
368482	REAR CONICAL SPRING-SET L=57.5mm - 2 DOTS (2)

CARPET DIRT

8x 965023 C 2.3

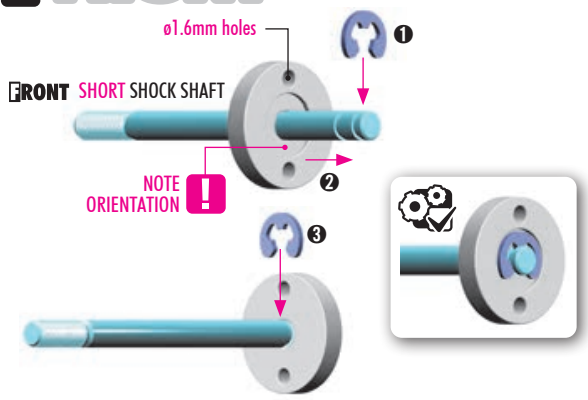
CARPET

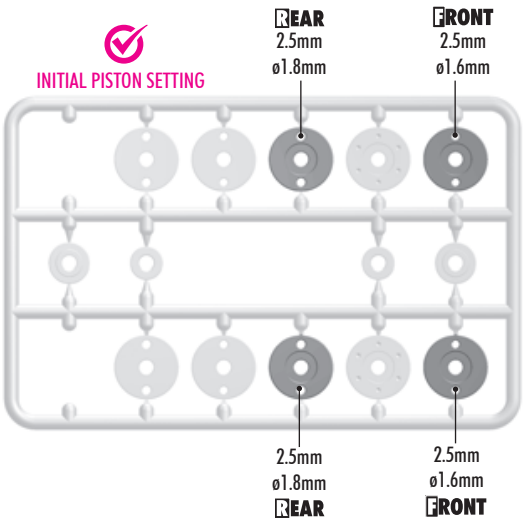
PISTONS
ALTERNATIVE 1
We recommend for these types of surfaces and traction levels:
CARPET •

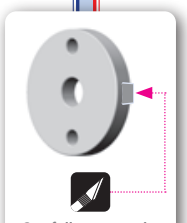


CARPET INITIAL PISTON SETTING

2x FRONT

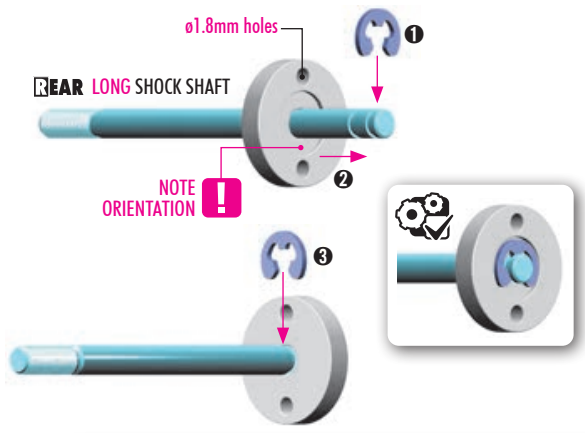




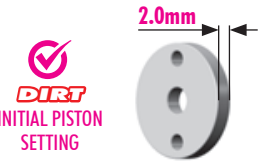


Carefully remove the shock piston from the frame, and remove all excess plastic flash.

2x REAR



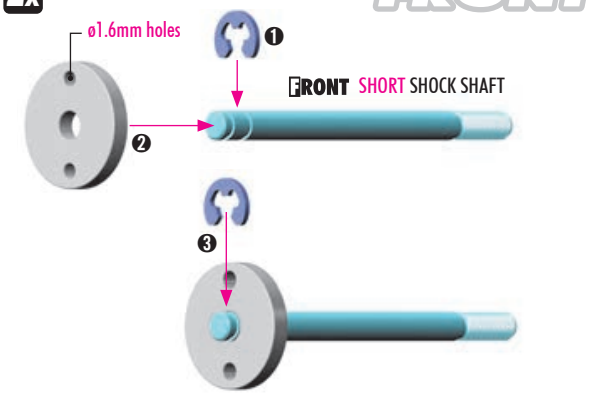
DIRT

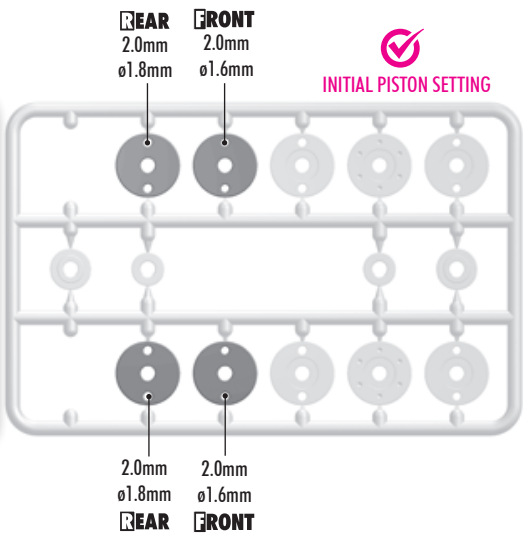


DIRT INITIAL PISTON SETTING

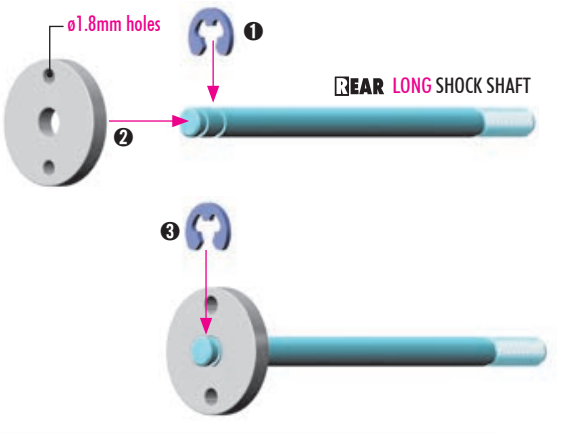
PISTONS
ALTERNATIVE 2
We recommend for these types of surfaces and traction levels:
• ASTRO
• DIRT

2x FRONT





2x REAR



OPTION #368033
PRECISION GROUND SHOCK PISTON BLANKS 2.5mm - BIG BORE (4)



OPTION #368034
PRECISION GROUND SHOCK PISTON BLANKS 2.0mm - BIG BORE (4)





Big Bore piston blanks 2.0mm or 2.5mm thick for individual custom modification. All pistons are made from Delrin and are molded using ultra-high precision moulds and afterwards precisely ground for perfectly finished surface for smoother operation.

SET-UP BOOK
SHOCK DAMPING
SHOCK PISTONS

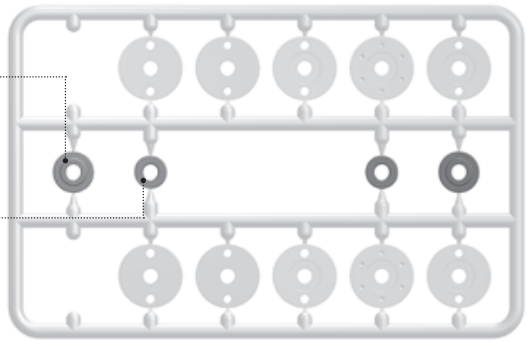
XRAY

4x 970080 O 8x1

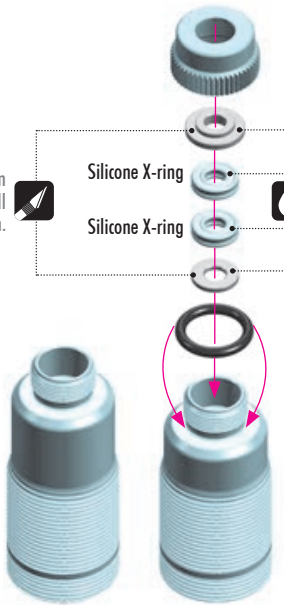
8x 973030 X 3x2

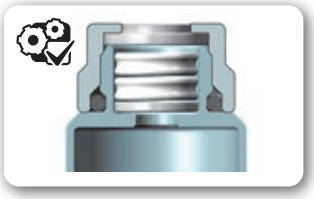
2x FRONT
2x REAR

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



Carefully remove the shock piston from the frame, and remove all excess plastic flash.



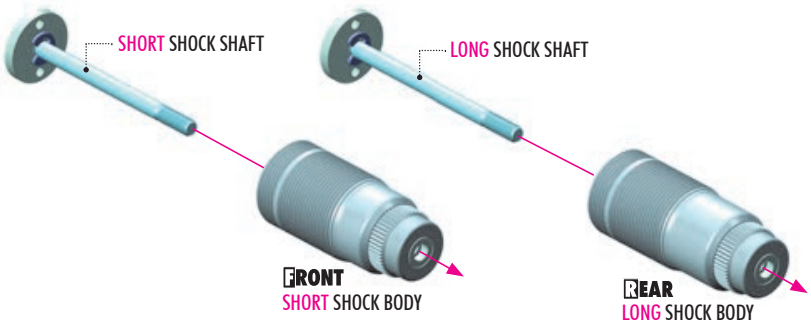


REAR
LONG SHOCK BODY

FRONT
SHORT SHOCK BODY

2x SHORT SHOCK SHAFT

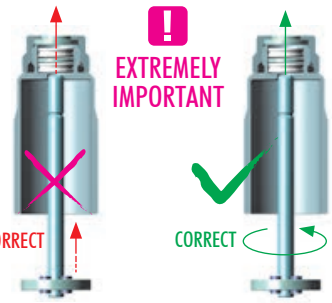
2x LONG SHOCK SHAFT



FRONT
SHORT SHOCK BODY

REAR
LONG SHOCK BODY

EXTREMELY IMPORTANT

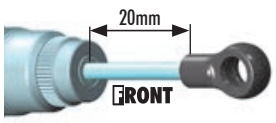


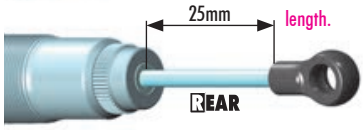
DO NOT PUSH the shock rod straight through the lower shock body assembly; X-ring damage may result.

TWIST THE SHOCK ROD through the lower shock body assembly.

Install the pivot balls with #183011 HUDY Multi Tool







Check that Front and Rear shock pairs are the same overall length.

4x



0mm Ball Joint
FRONT & REAR
CARPET
DIRT

Pivot Ball in LOWER Ball Joint



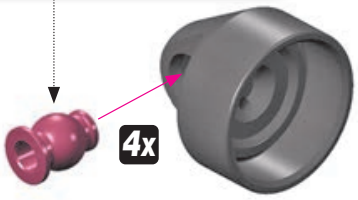
IMPORTANT

There are two different pivot ball designs. Make sure to use the CORRECT one accordingly.

TIP



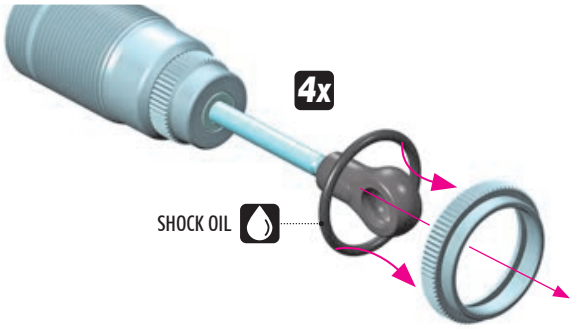
Install with HUDY Multi Tool.



4x



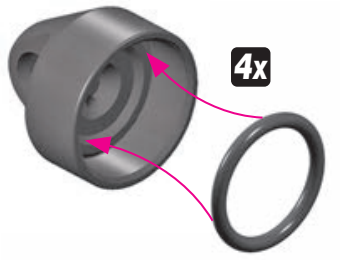
4x 970150
O 15x1.5



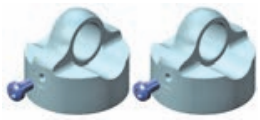




4x 970131
O 13x1



OPTION #368054
ALU SHOCK CAP-NUT - BIG BORE - 1mm (2)



Aluminum upper shock cap ensure increased durability and extended life time. Machined from premium Swiss 7075 T6 aluminum and additionally black coated. The shock caps feature vent hole.



4x 908203
SCH M2x3

SHOCK OIL
CARPET
- CARPET
- ASTRO

FRONT SHORT
Oil 350cSt
REAR LONG
Oil 300cSt
INITIAL SETTING

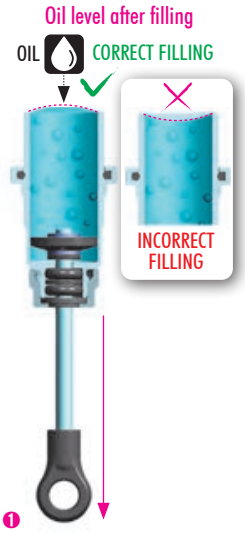
SHOCK OIL
DIRT
- DIRT
- ASTRO WET

FRONT SHORT
Oil 350cSt
REAR LONG
Oil 300cSt
INITIAL SETTING

INITIAL SHOCK REBOUND SETTING 0% REBOUND

INITIAL SETTING

4x Follow the steps below to set the shock rebound to the default setting of 0%.



❶ Extend the shock shaft completely. Fill the shock body with the shock oil. For the **FRONT** shocks (short) use **350cSt** oil. For the **REAR** shocks (long) use **300cSt** oil.



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



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



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



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



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



❼ 6x push the shaft up and down.



❽ Loosen the screw.

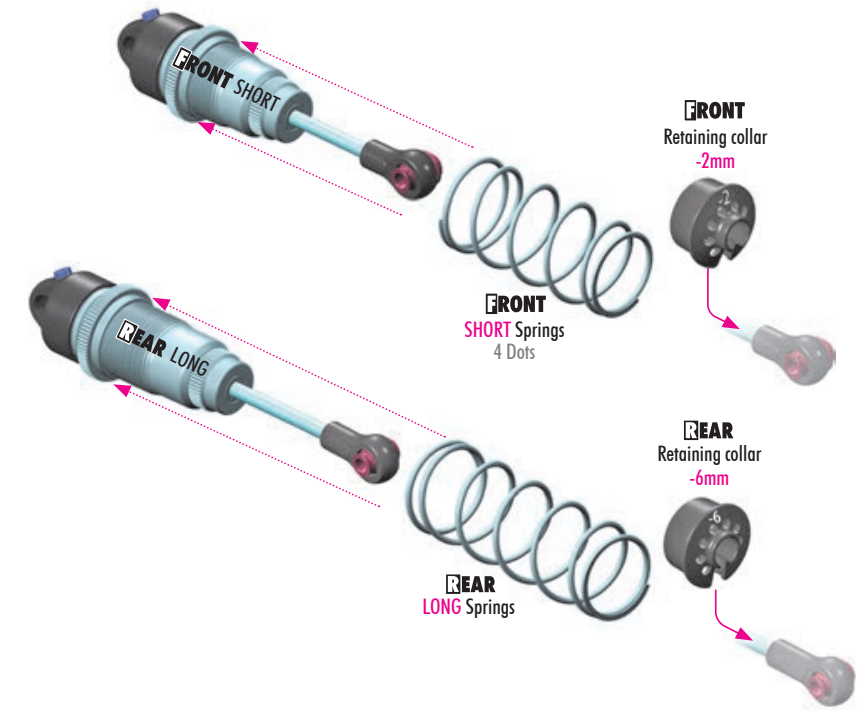


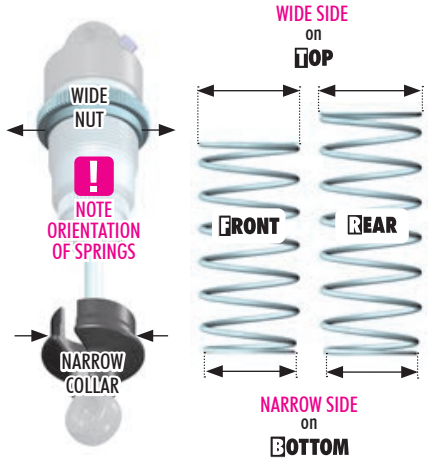
❾ Gently push the shock shaft completely into the shock body. Excess oil will flow through the hole in the shock cap.



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

CARPET INITIAL PARTS CONFIGURATION





ALUMINUM SHOCK COLLARS

Set of lower aluminum shock collars for increased reliability. Stylish and lightweight collars are CNC-machined from premium Swiss 7075 T6 aluminum and are strategically lightened. Set of four.

OPTION #368021
ALU SHOCK SPRING RET. COLLAR (4)



OPTION #368022
ALU SHOCK SPRING RET. COLLAR -2mm (4)



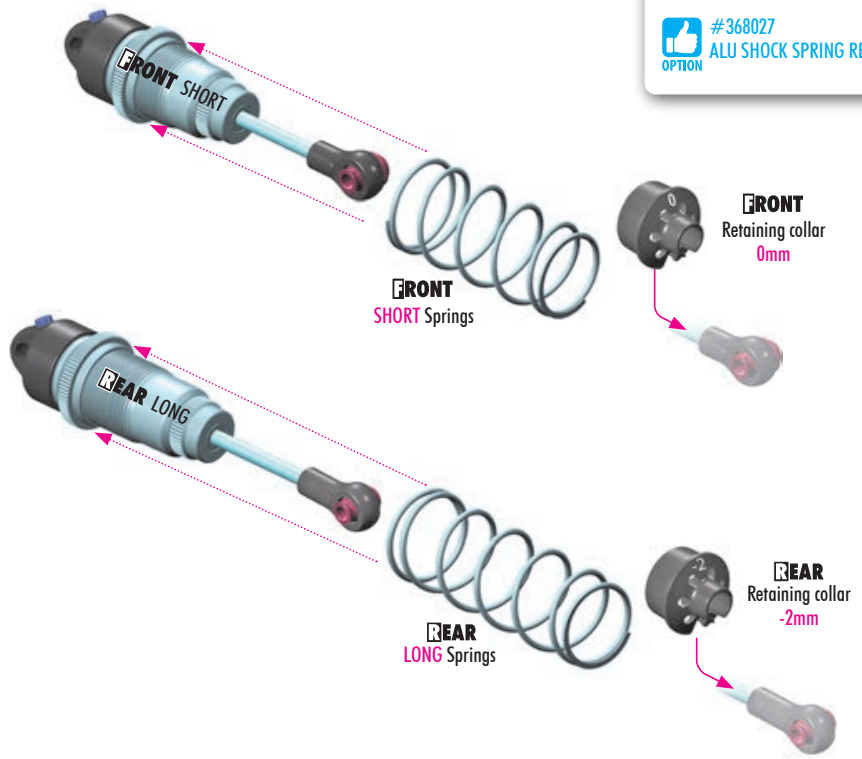
OPTION #368023
ALU SHOCK SPRING RET. COLLAR -4mm (4)

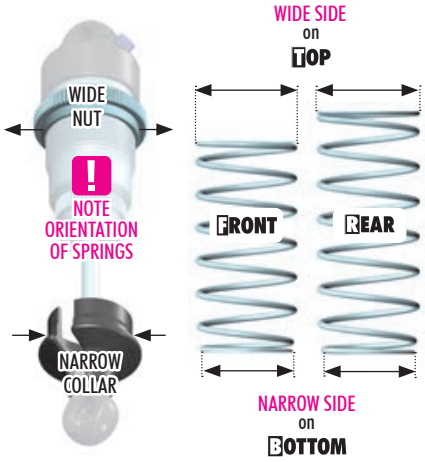


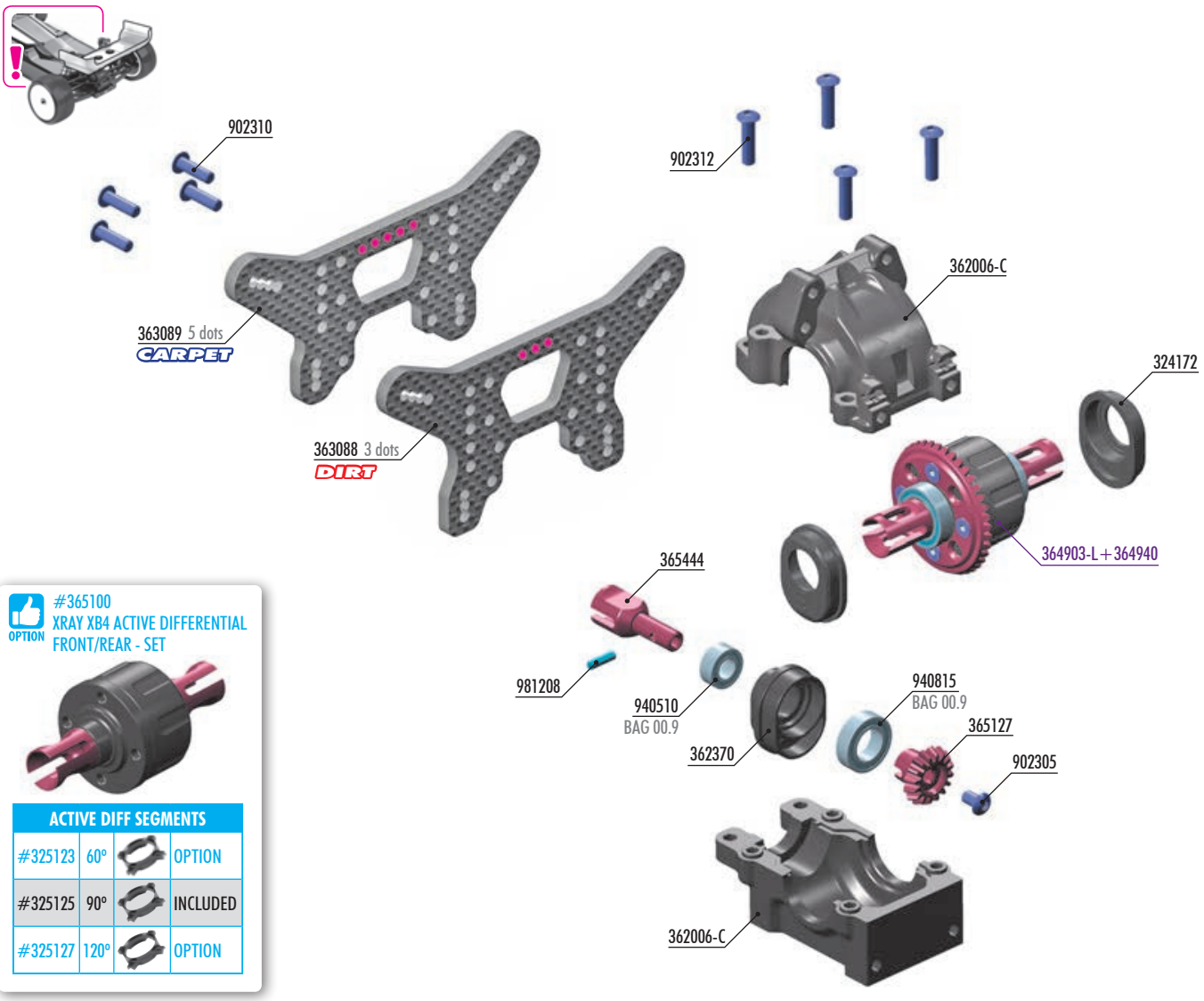
OPTION #368027
ALU SHOCK SPRING RET. COLLAR -6mm (4)



DIRT INITIAL PARTS CONFIGURATION







OPTION #365100
XRAY XB4 ACTIVE DIFFERENTIAL FRONT/REAR - SET

ACTIVE DIFF SEGMENTS			
#325123	60°		OPTION
#325125	90°		INCLUDED
#325127	120°		OPTION

OPTION

XRAY BALL-BEARINGS			
#359050	5x10x4	GREASE	OPTION
#940510	5x10x4	OIL	INCLUDED
#940814	8x14x4	GREASE	OPTION
#940815	8x14x4	OIL	INCLUDED

OPTION

BALL-BEARING HUBS		
#324172	1 DOT	OPTION
#324172	2 DOTS	OPTION
#324172	3 DOTS	INCLUDED



OPTION

INLINE HUBS - REAR		
#362370	1 DOT	OPTION
#362370	2 DOTS	OPTION
#362370	3 DOTS	INCLUDED





BAG 04.1
ALTERNATIVE REAR LAYDOWN SHOCK MOUNTING POSITIONS
Follow page 60.

BAG 04

324172	COMPOSITE ADJUSTMENT BALL-BEARING HUB (2)
362006-C	DIFF BULKHEAD HORIZONTAL SPLIT DESIGN FOR COLLAR - F/R - SET
362370	INLINE HUB FOR BEVEL DRIVE GEAR - REAR HS BULKHEAD - 1+2+3 DOTS
365127	STEEL BEVEL DRIVE GEAR - FOR HS BULKHEAD - CNC-MACHINED - 16T
365444	CENTER DOGBONE SHAFT UNIVERSAL JOINT - HUDY SPRING STEEL™
902305	HEX SCREW SH M3x5 (10)
902310	HEX SCREW SH M3x10 (10)
902312	HEX SCREW SH M3x12 (10)
940510	BALL-BEARING 5x10x4 RUBBER SEALED - OIL (2)
940815	BALL-BEARING 8x14x4 RUBBER SEALED - OIL (2)
981208	PIN 2x8 (10)
364903-L	GEAR DIFFERENTIAL - LIGHTWEIGHT - SET
364940	STEEL DIFFERENTIAL BEVEL GEAR FOR LARGE VOLUME DIFF 40T

CARPET
363089 CARBON SHOCK TOWER FOR HS BULKHEAD - 5 DOTS - REAR

DIRT
363088 CARBON SHOCK TOWER FOR HS BULKHEAD - 3-DOTS - REAR

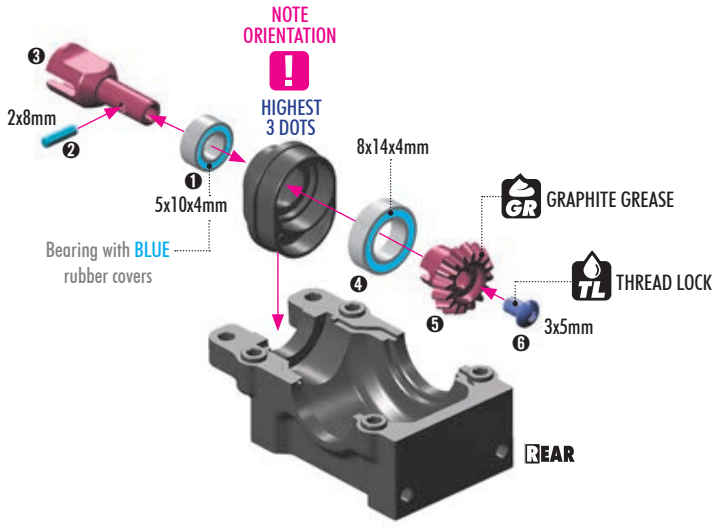
Numbers in parentheses ( ) refer to quantities when purchased separately.

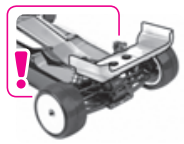
1x 902305 SH M3x5

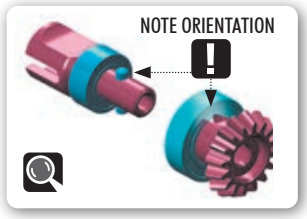
1x 940510 BB 5x10x4

1x 940815 BB 8x14x4

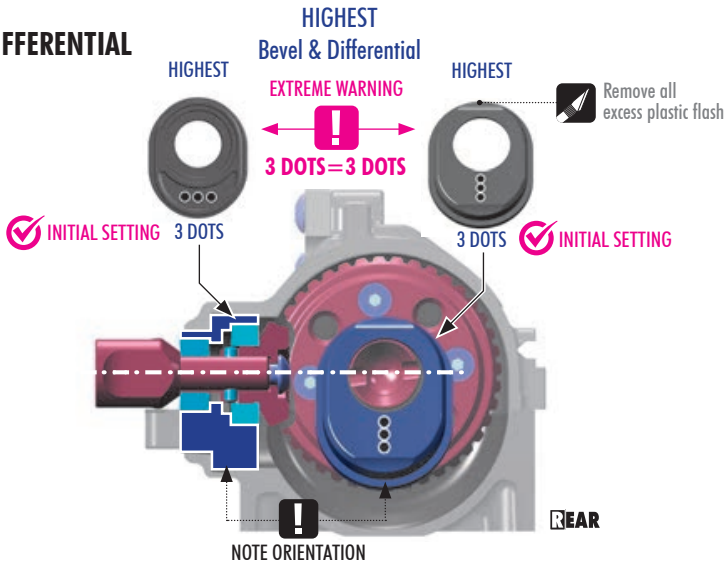
1x 981208 P 2x8



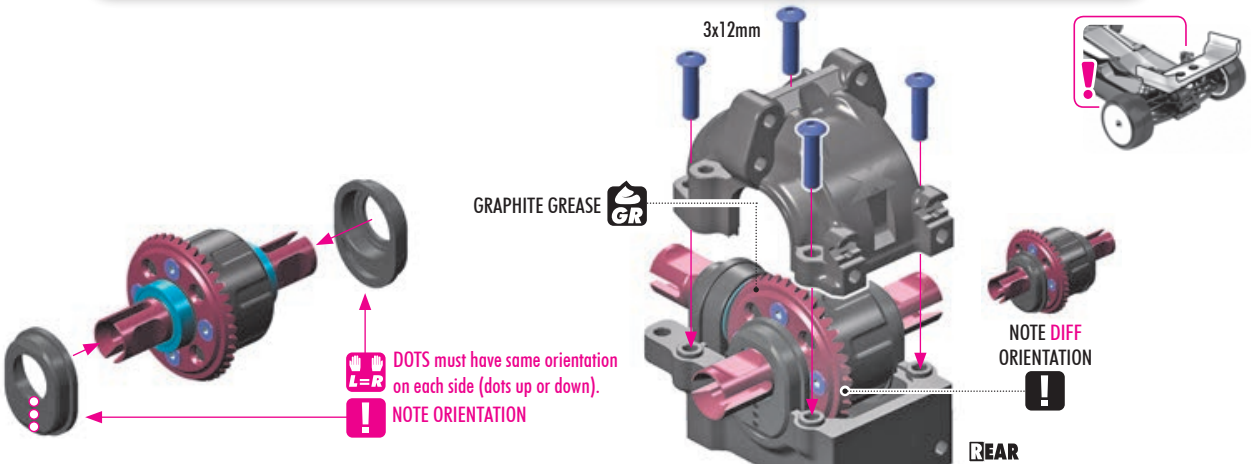




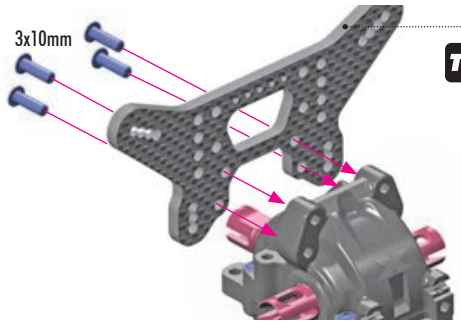
BEVEL DRIVE GEAR & DIFFERENTIAL HEIGHT ADJUSTMENT



4x 902312 SH M3x12



4x 902310 SH M3x10



TIP Follow the TECH TIP on page 5 to prepare carbon parts.

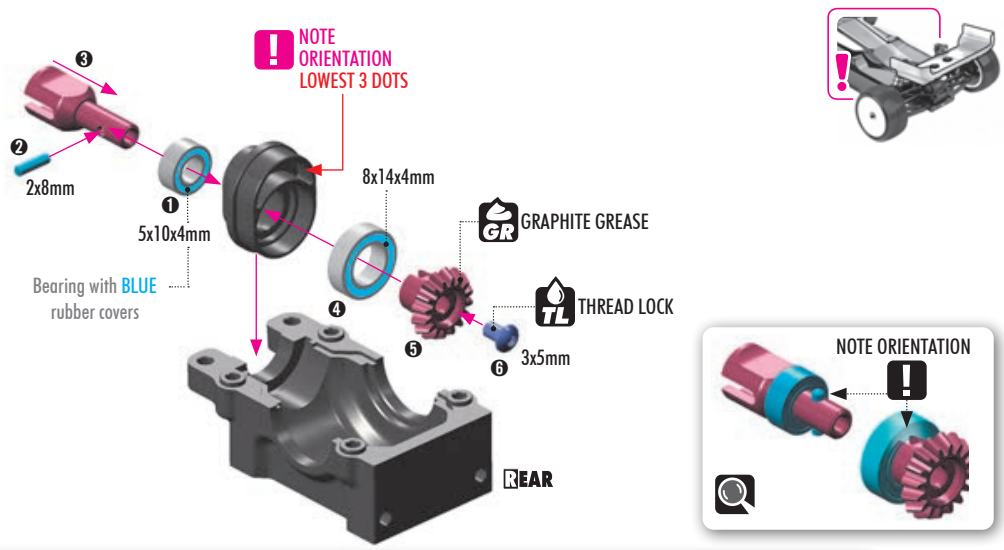


1x 902305 SH M3x5

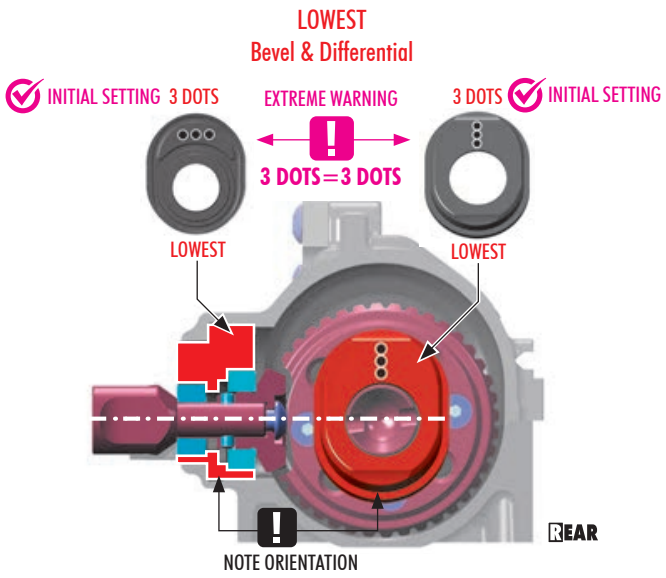
1x 940510 BB 5x10x4

1x 940815 BB 8x14x4

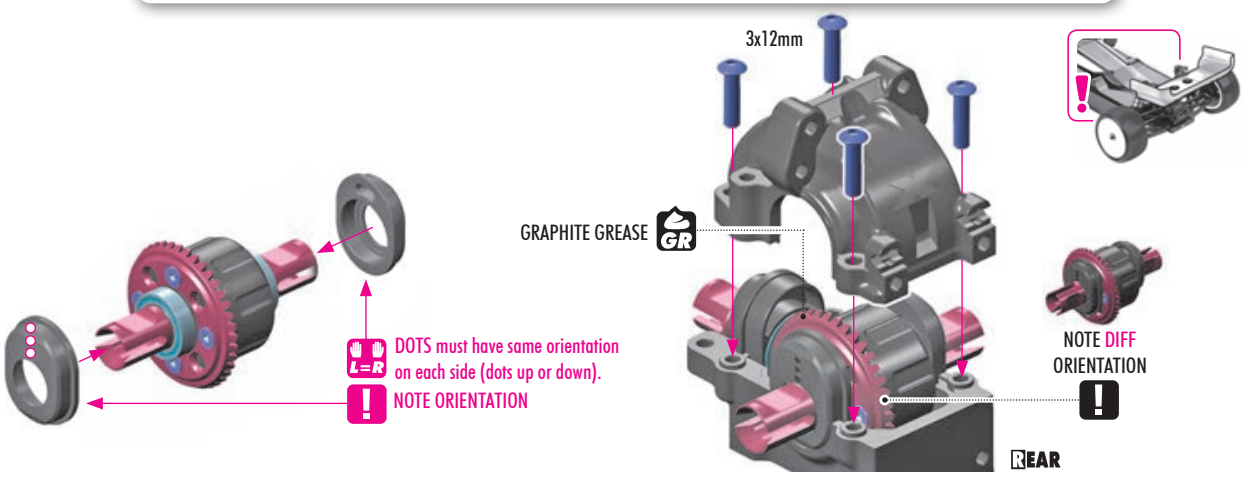
1x 981208 P 2x8



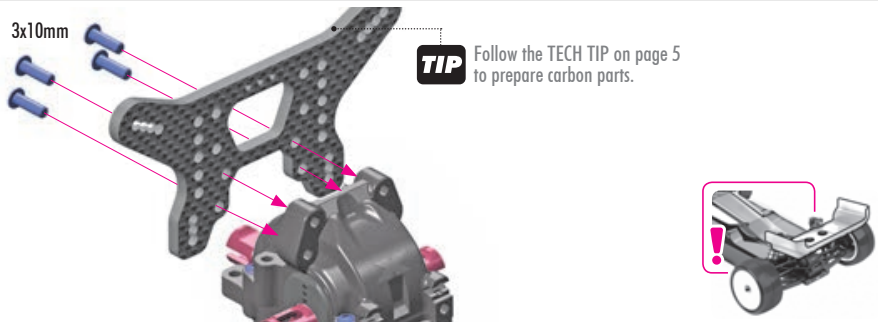
REAR BEVEL DRIVE GEAR & DIFFERENTIAL HEIGHT ADJUSTMENT

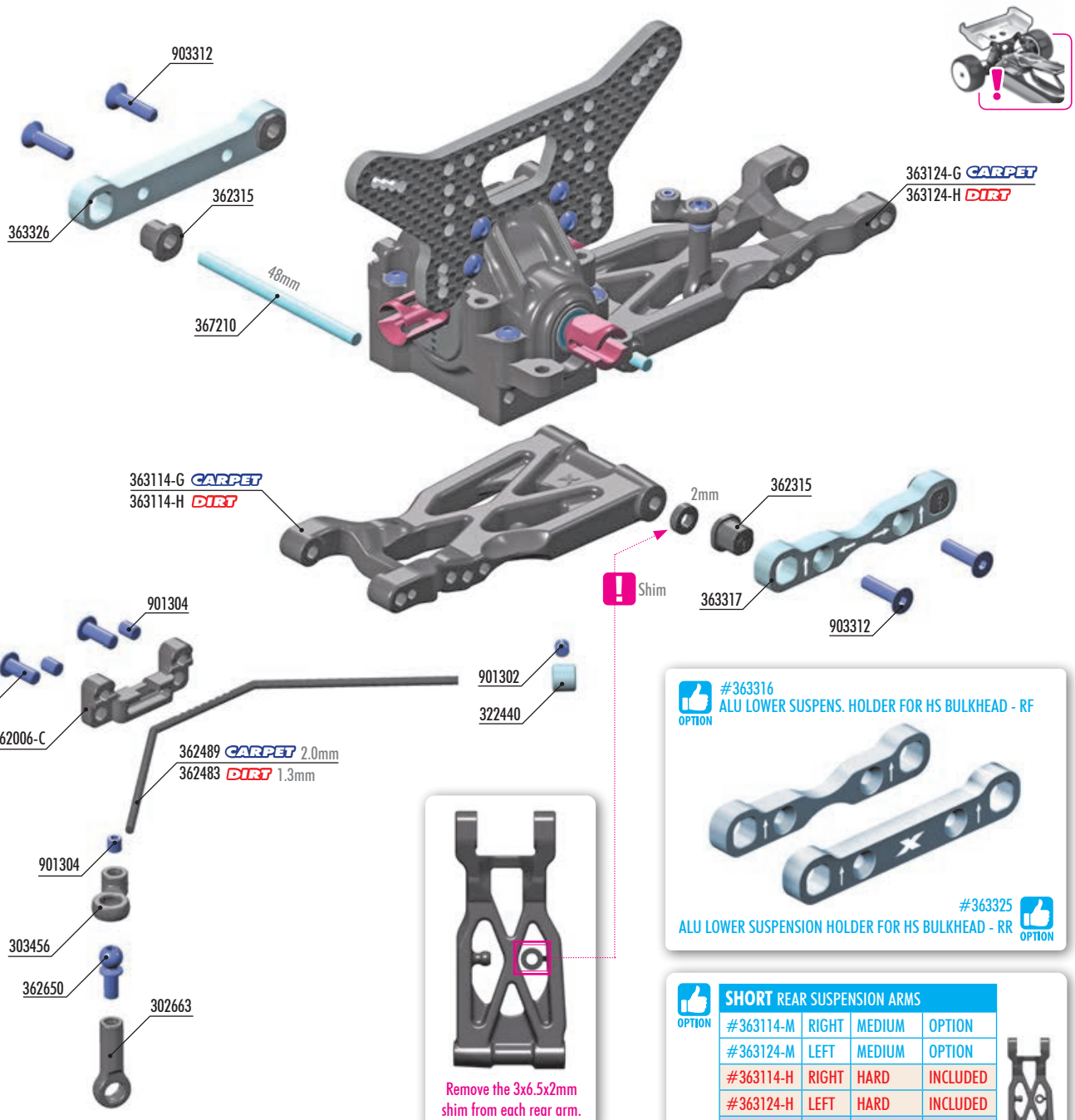


4x 902312 SH M3x12



4x 902310 SH M3x10





Remove the 3x6.5x2mm shim from each rear arm.

OPTION #363316
ALU LOWER SUSPENS. HOLDER FOR HS BULKHEAD - RF

#363325
ALU LOWER SUSPENSION HOLDER FOR HS BULKHEAD - RR OPTION

OPTION

SHORT REAR SUSPENSION ARMS			
#363114-M	RIGHT	MEDIUM	OPTION
#363124-M	LEFT	MEDIUM	OPTION
#363114-H	RIGHT	HARD	INCLUDED
#363124-H	LEFT	HARD	INCLUDED
#363114-G	RIGHT	GRAPHITE	INCLUDED
#363124-G	LEFT	GRAPHITE	INCLUDED

OPTION

LONG REAR SUSPENSION ARMS			
#363113-M	RIGHT	MEDIUM	OPTION
#363123-M	LEFT	MEDIUM	OPTION
#363113-H	RIGHT	HARD	OPTION
#363123-H	LEFT	HARD	OPTION
#363113-G	RIGHT	GRAPHITE	OPTION
#363123-G	LEFT	GRAPHITE	OPTION



OPTION

REAR ANTI-ROLL BARS		
#362481	1.1mm	OPTION
#362482	1.2mm	OPTION
#362483	1.3mm	INCLUDED
#362484	1.4mm	OPTION
#362486	1.6mm	OPTION
#362488	1.8mm	OPTION
#362489	2.0mm	INCLUDED

OPTION

HUDY TITAN BALL ENDS		
#990006	6mm Thread	OPTION



BAG 05

302663	COMPOSITE BALL JOINT 4.9mm - OPEN - V2 (8)
303456	COMPOSITE ANTI-ROLL BAR o2.0mm BALL JOINT 4.9mm (4)
322440	ALU ANTI-ROLL BAR COLLAR
362006-C	DIFF BULKHEAD HORIZONTAL SPLIT DESIGN FOR COLLAR - F/R - SET
362315	ECCENTRIC BUSHING SET (2)
362650	BALL END 4.9mm WITH THREAD 6mm (2)
363317	ALU SUSPENSION HOLDER WIDE FOR HS BULKHEAD - REAR-FRONT
363326	ALU SUSPENSION HOLDER WIDE FOR HS BULKHEAD - REAR-REAR
367210	SUSPENSION PIVOT PIN (2)
901302	HEX SCREW SB M3x2.5 (10)
901304	HEX SCREW SB M3x4 (10)
902308	HEX SCREW SH M3x8 (10)
903312	HEX SCREW SFH M3x12 (10)

DIRT

362483	ANTI-ROLL BAR 1.3mm
363114-H	COMPOSITE SUSP. ARM REAR LOWER RIGHT - 3-HOLE - HARD
363124-H	COMPOSITE SUSP. ARM REAR LOWER LEFT - 3-HOLE - HARD

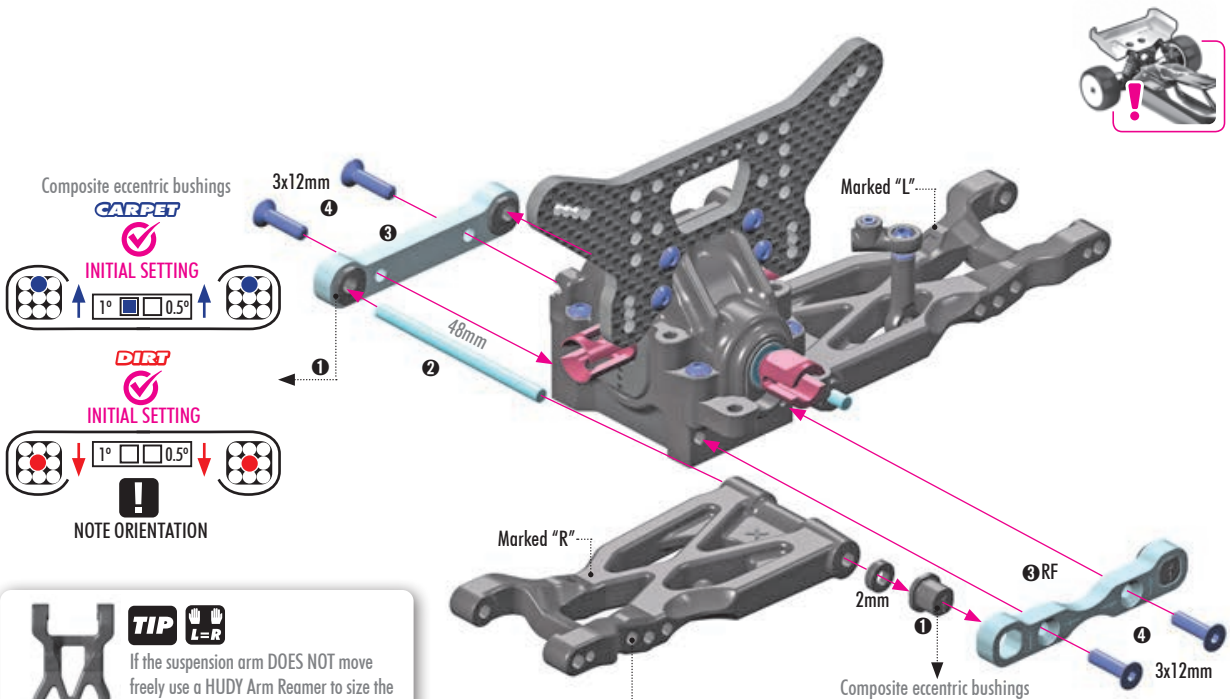
CARPET

362489	ANTI-ROLL BAR 2.0mm
363114-G	COMPOSITE SUSP. ARM REAR LOWER RIGHT - 3-HOLE - GRAPHITE
363124-G	COMPOSITE SUSP. ARM REAR LOWER LEFT - 3-HOLE - GRAPHITE

Numbers in parentheses ( ) refer to quantities when purchased separately.

2x From Rear Arm
SHIM 3x6.5x2

4x 903312
SFH M3x12



TIP L=R

If the suspension arm DOES NOT move freely use a HUDY Arm Reamer to size the holes of the arms.

Arm Reamer 3.0mm (HUDY #107643)



OPTION

SHORT REAR SUSPENSION ARMS			
#363114-M	RIGHT	MEDIUM	OPTION
#363124-M	LEFT	MEDIUM	OPTION
#363114-H	RIGHT	HARD	INCLUDED
#363124-H	LEFT	HARD	INCLUDED
#363114-G	RIGHT	GRAPHITE	INCLUDED
#363124-G	LEFT	GRAPHITE	INCLUDED

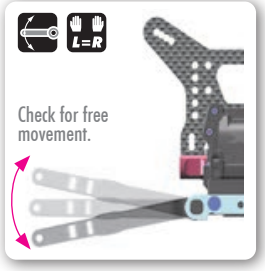


OPTION

LONG REAR SUSPENSION ARMS			
#363113-M	RIGHT	MEDIUM	OPTION
#363123-M	LEFT	MEDIUM	OPTION
#363113-H	RIGHT	HARD	OPTION
#363123-H	LEFT	HARD	OPTION
#363113-G	RIGHT	GRAPHITE	OPTION
#363123-G	LEFT	GRAPHITE	OPTION



L=R



OPTION #363316
ALU LOWER SUSPENS. HOLDER FOR HS BULKHEAD - RF



#363325
ALU LOWER SUSPENSION HOLDER FOR HS BULKHEAD - RR
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.

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

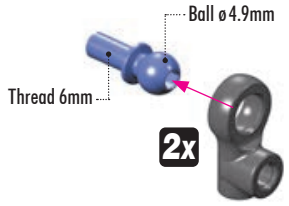
TRACK-WIDTH		
RR	RF	(mm)
		=+1.5mm
		=0mm
		=-1.5mm

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.

TOE-IN		
RR	RF	(°)
		=3°
		=4°
		=2°
		=2°
		=3°
		=1°
		=4°
		=5°
		=3°

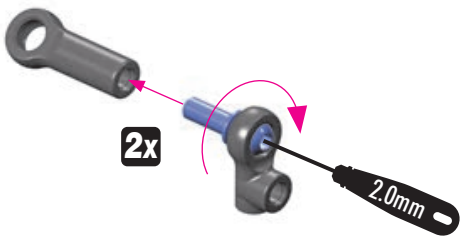
L=R LEFT = RIGHT



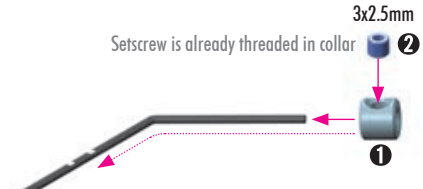
TIP
Install with HUDY Multi Tool.

OPTION

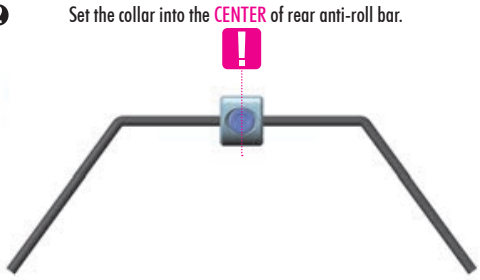
HUDY TITAN BALL ENDS		
#990006	6mm Thread	OPTION



1x 901302 SB M3x2.5



Set the collar into the CENTER of rear anti-roll bar.

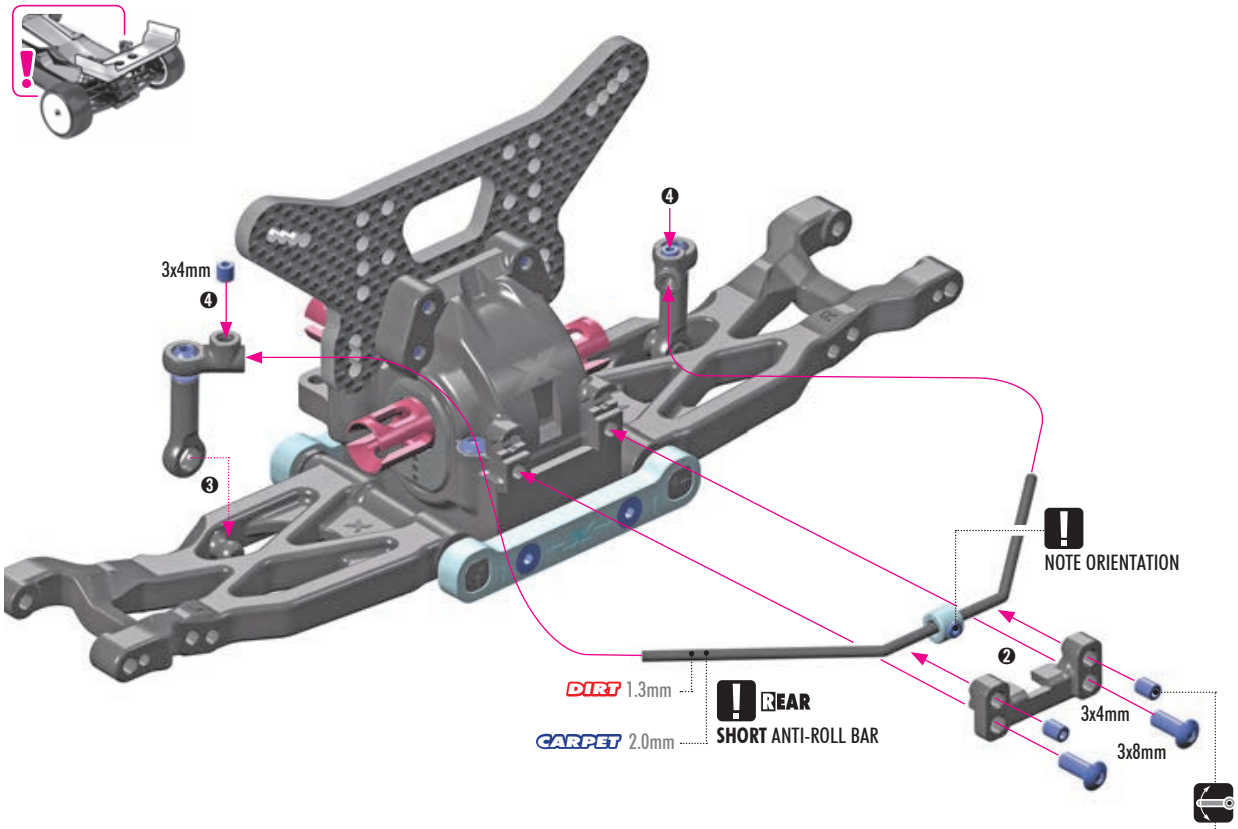


OPTION

REAR ANTI-ROLL BARS		
#362481	1.1mm	OPTION
#362482	1.2mm	OPTION
#362483	1.3mm	INCLUDED
#362484	1.4mm	OPTION
#362486	1.6mm	OPTION
#362488	1.8mm	OPTION
#362489	2.0mm	INCLUDED

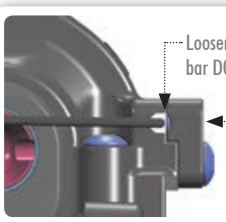
4x 901304 SB M3x4

2x 902308 SH M3x8



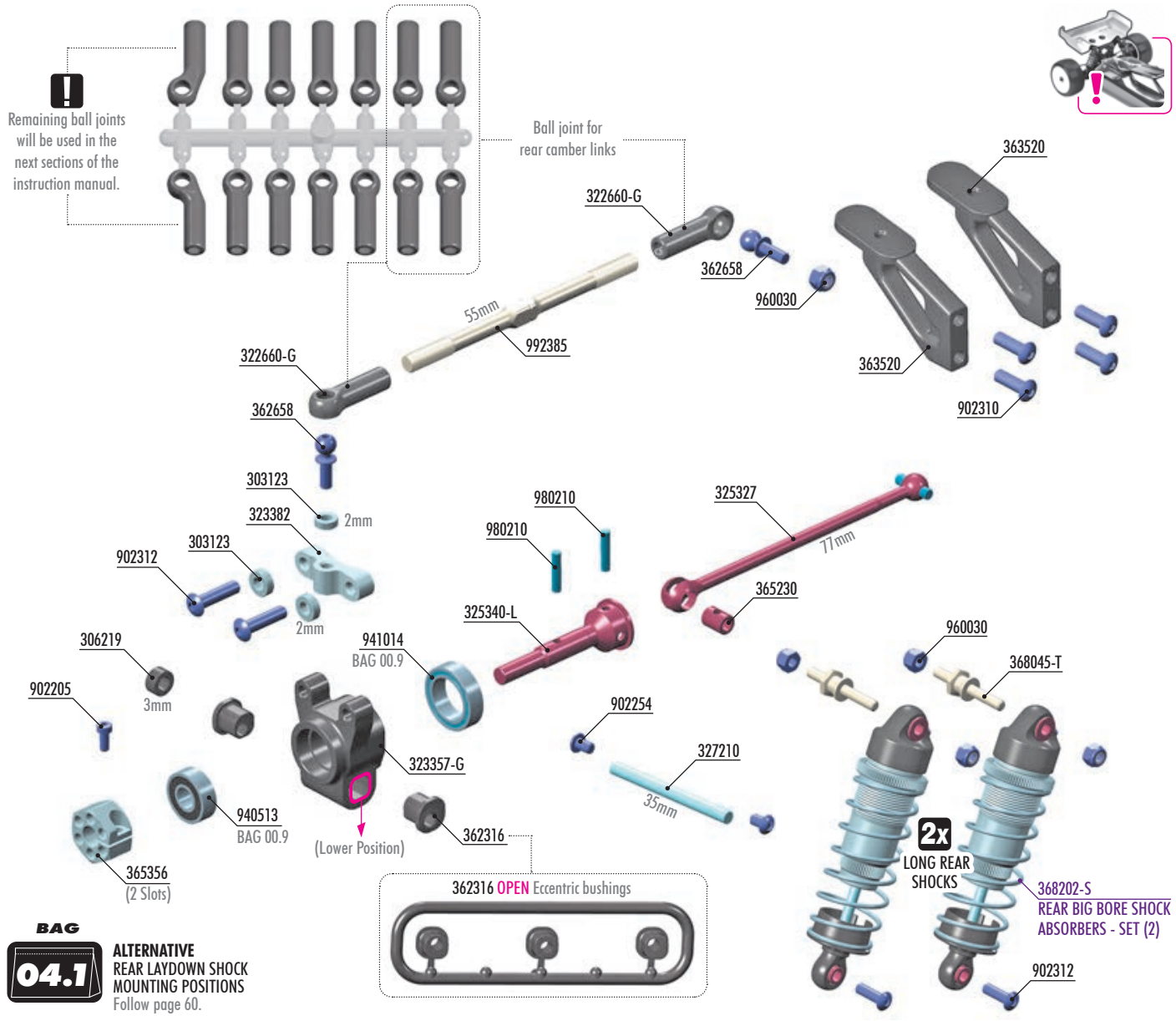


Step ❷ check for free movement.



Loosen the 3x4 setscrew if the anti-roll bar DOES NOT turn freely.

Step ❷



BAG 06

303123	ALU SHIM 3x6x2.0mm (10)
306219	COMPOSITE SET OF SERVO SHIMS (4)
322660-G	COMPOSITE BALL JOINT 5.4mm (12+1+1) - GRAPHITE
323357-G	COMPOSITE UPRIGHT REAR - LOWER POSITION - GRAPHITE
323382	ALU REAR HUB PLATE FOR MULTI ADJ. UPRIGHT - 1-HOLE
325327	REAR DRIVE SHAFT 77mm WITH 2.5mm PIN - SPRING STEEL™
325340-L	REAR DRIVE AXLE LB FOR REAR UPRIGHT - LOWER POSITION
327210	FRONT SUSPENSION PIVOT PIN (2)
362316	OPEN ECCENTRIC BUSHING SET (2)
362658	HARD STEEL BALL END 5.4mm WITH THREAD 8mm - NICKEL COATED (2)
363520	REAR WING POST - V2 (2)
365230	DRIVE SHAFT COUPLING - HUDY SPRING STEEL™
365356	ALU WHEEL HUB 12mm - OFFSET "+1.5mm" (2)
368045-T	TITANIUM SHOCK STANDOFFS (2)
992385	HUDY TITANIUM ADJUSTABLE TURNBUCKLE 55MM M3.5 L/R (2)
902205	HEX SCREW SH M2x5 (10)
902254	HEX SCREW SH M2.5x4 (10)
902310	HEX SCREW SH M3x10 (10)
902312	HEX SCREW SH M3x12 (10)
940513	BALL-BEARING 5x12x4 RUBBER SEALED - GREASE (2)
941014	BALL-BEARING 10x15x4 RUBBER SEALED - GREASE (2)
960030	NUT M3 (10)
980210	PIN 2x10 (10)
368202-S	SHOCK ABSORBERS 35.5MM - SHORT CAP - BIG BORE - SET (2)

Numbers in parentheses ( ) refer to quantities when purchased separately.

Included only in CARPET Edition



BAG 06.1

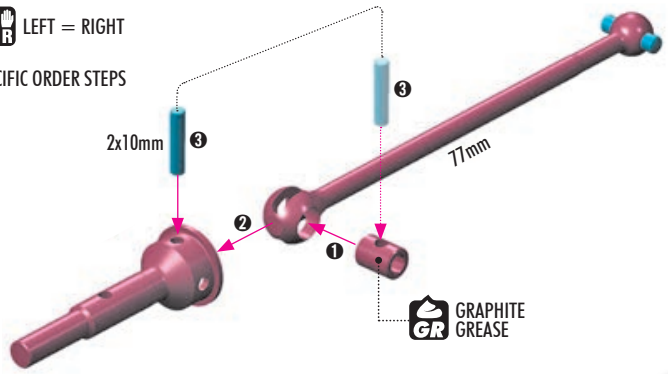
XB4 FINAL SHOCK ASSEMBLY SET CARPET

362280	ALU CONICAL SHIM 3x6x2.0MM (10)
362390	ALU REAR SHOCK ABSORBER ADAPTER (1+1) - SET
901308	HEX SCREW SB M3x8 (10)
903308	HEX SCREW SFH M3x8 (10)

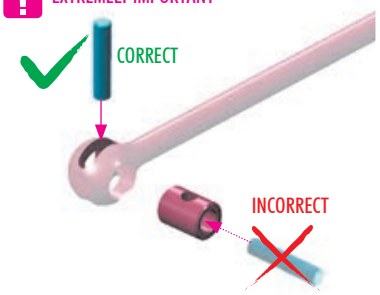
2x 980210 P 2x10

2x LEFT = RIGHT

SPECIFIC ORDER STEPS



EXTREMELY IMPORTANT



OPTION #325341 REAR ADJ. DRIVE AXLE LB - HUDY SPRING STEEL™
#325390 ALU SHIM 10x12x2mm (2)



Drive shaft length adjustment uses 4 different connecting hole positions at the drive axle end to allow changes to overall driveshaft length.

2x 902205 SH M2x5

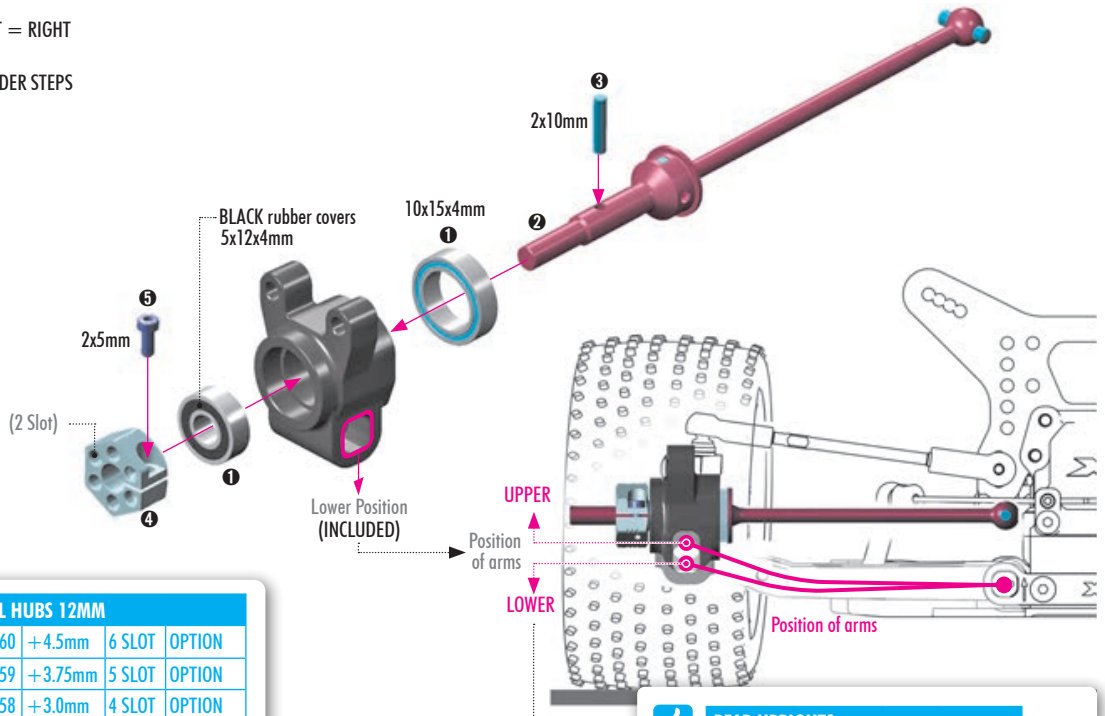
2x 940513 BB 5x12x4

2x 941014 BB 10x15x4

2x 980210 P 2x10

2x LEFT = RIGHT

SPECIFIC ORDER STEPS



OPTION

WHEEL HUBS 12MM			
#365360	+4.5mm	6 SLOT	OPTION
#365359	+3.75mm	5 SLOT	OPTION
#365358	+3.0mm	4 SLOT	OPTION
#365357	+2.25mm	3 SLOT	OPTION
#365356	+1.5mm	2 SLOT	INCLUDED
#365355	+0.75mm	1 SLOT	OPTION
#365353	0mm	0 SLOT	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
Rear - more traction
Front - more steering

MORE OFFSET
Rear - less traction
Front - less steering

OPTION

XRAY BALL-BEARINGS			
#940512	5x12x4	OIL	OPTION
#941015	10x15x4	OIL	OPTION
#940513	5x12x4	GREASE	INCLUDED
#941014	10x15x4	GREASE	INCLUDED



OPTION

REAR UPRIGHTS	Position		
#323354-M	MEDIUM	UPPER	OPTION
#323357-M	MEDIUM	LOWER	OPTION
#323354-H	HARD	UPPER	OPTION
#323354-G	GRAPHITE	UPPER	OPTION
#323357-G	GRAPHITE	LOWER	INCLUDED
#323355	ALU HIGH	UPPER	OPTION
#323356	ALU LOW	LOWER	OPTION
#323358	EXTRA LOW	LOWER	OPTION



UPPER position
We recommend for these types of surfaces and traction:
- DIRT low & high traction
- Wet ASTRO

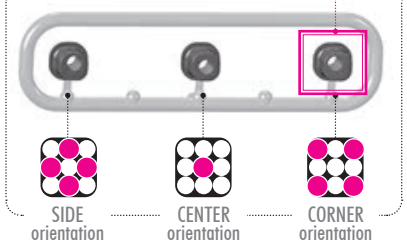
LOWER position
We recommend for these types of surfaces and traction:
- CARPET
- Dry ASTRO
- DIRT very high traction

*The #325340-L fits all rear uprights with Lower Position, but it DOES NOT fit rear uprights with Upper Position.

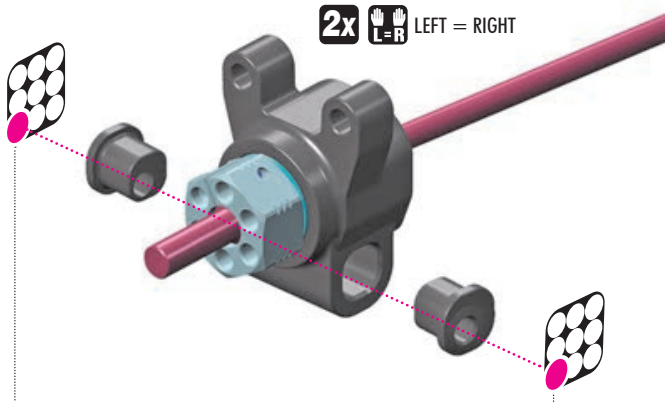
2x L=R LEFT = RIGHT

4x OPEN
Eccentric bushings

INITIAL SETTING ORIENTATION



2x L=R LEFT = RIGHT



! L=R
Open bushings must have same orientation on each side.



4x 303123
SHIM 3x6x2

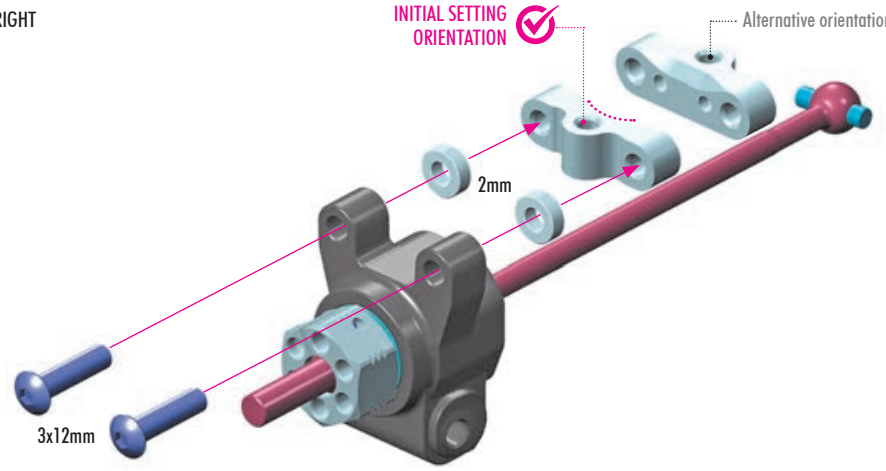


4x 902312
SH M3x12

2x L=R LEFT = RIGHT

INITIAL SETTING ORIENTATION

Alternative orientation





2x 306219
SHIM 3x6x3



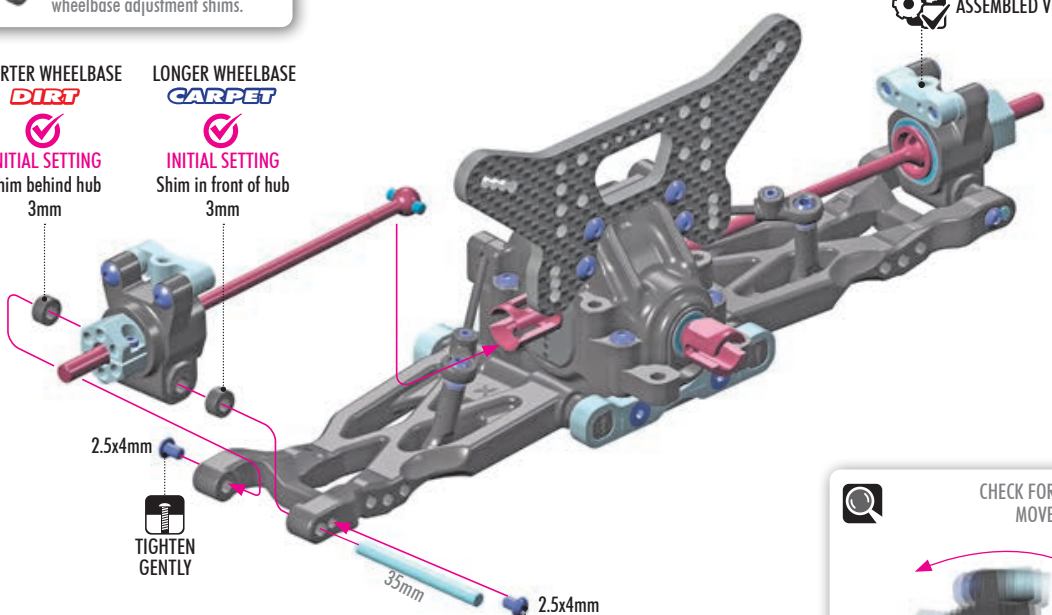
4x 902254
SH M2.5x4

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

ASSEMBLED VIEW

SHORTER WHEELBASE DIRT
INITIAL SETTING
Shim behind hub
3mm

LONGER WHEELBASE CARPET
INITIAL SETTING
Shim in front of hub
3mm

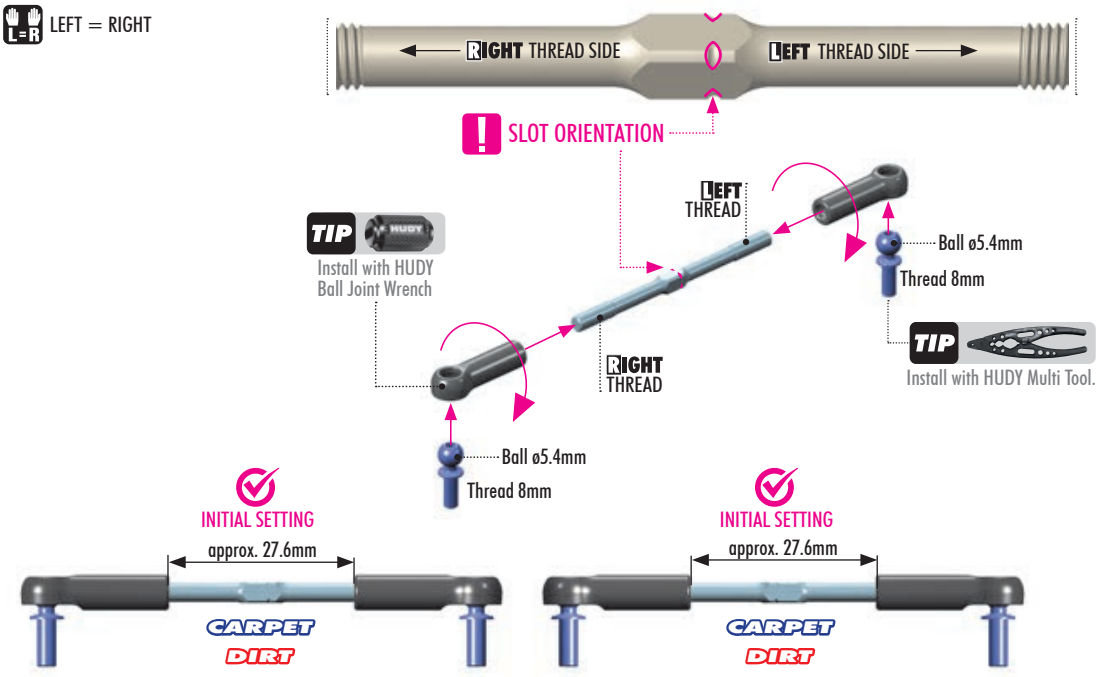




CHECK FOR FREE MOVEMENT



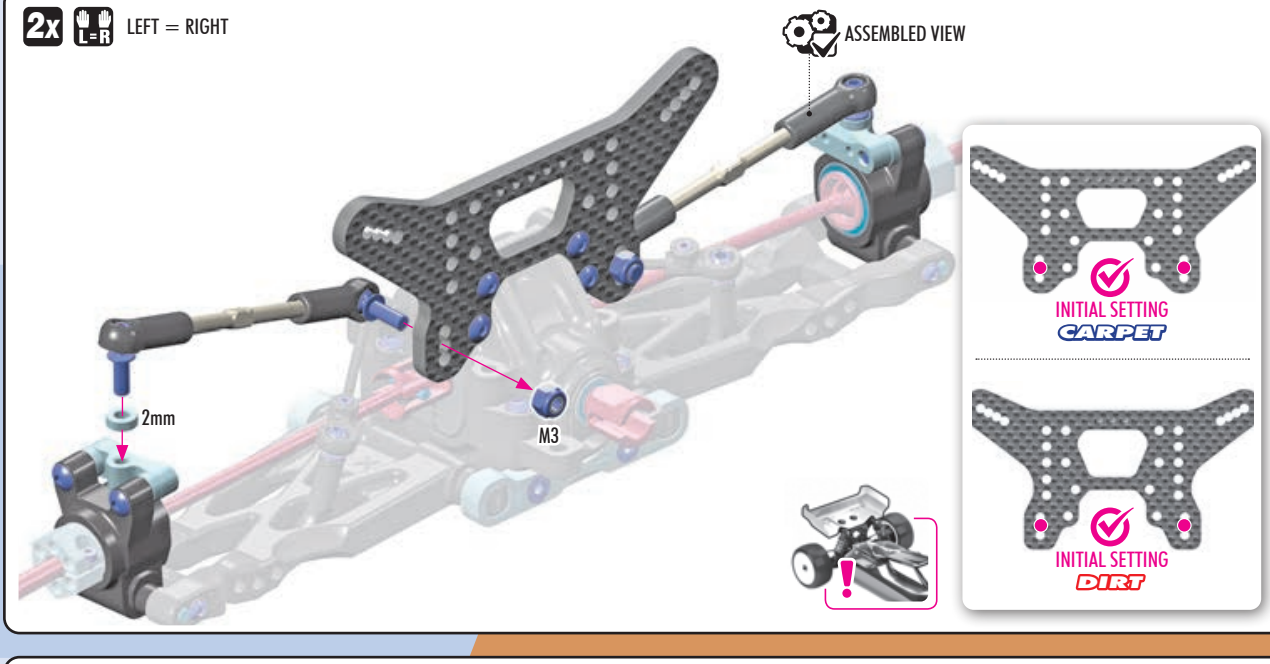
2x L=R LEFT = RIGHT



2x 303123 SHIM 3x6x2

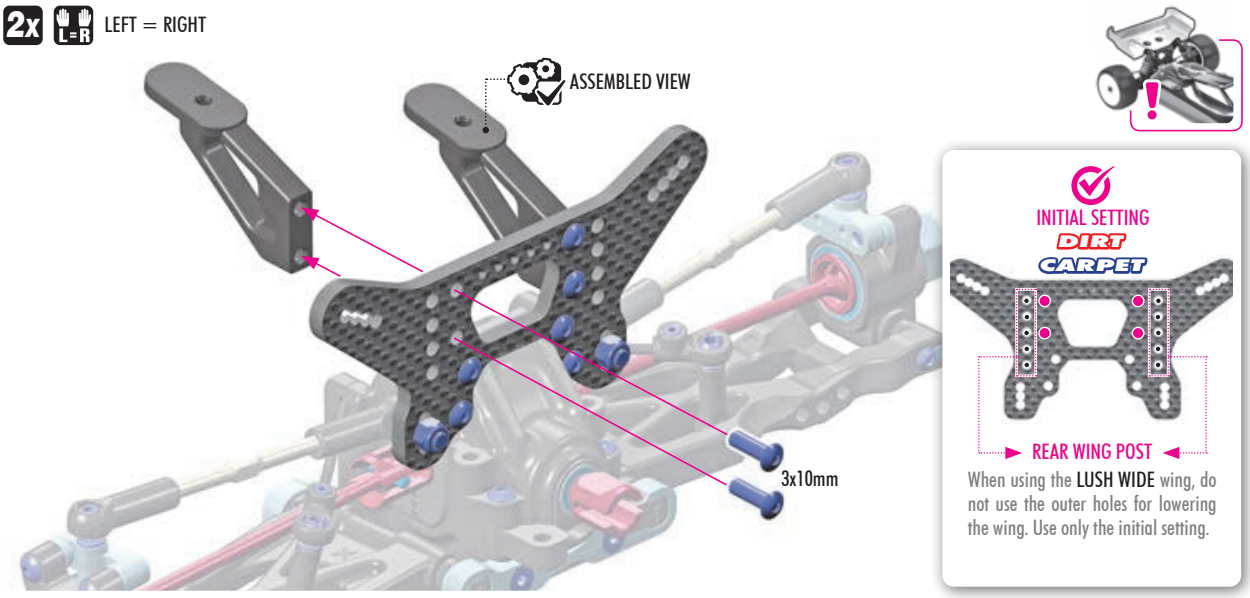
2x 960030 N M3

2x L=R LEFT = RIGHT



4x 902310 SH M3x10

2x L=R LEFT = RIGHT



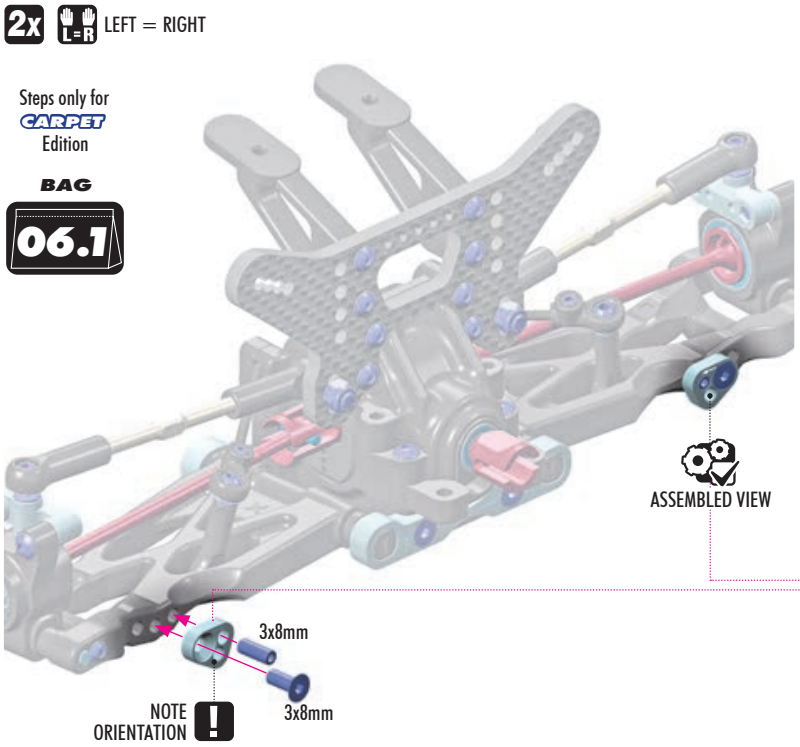
2x 901308 SB M3x8

2x 903308 SFH M3x8

2x L=R LEFT = RIGHT

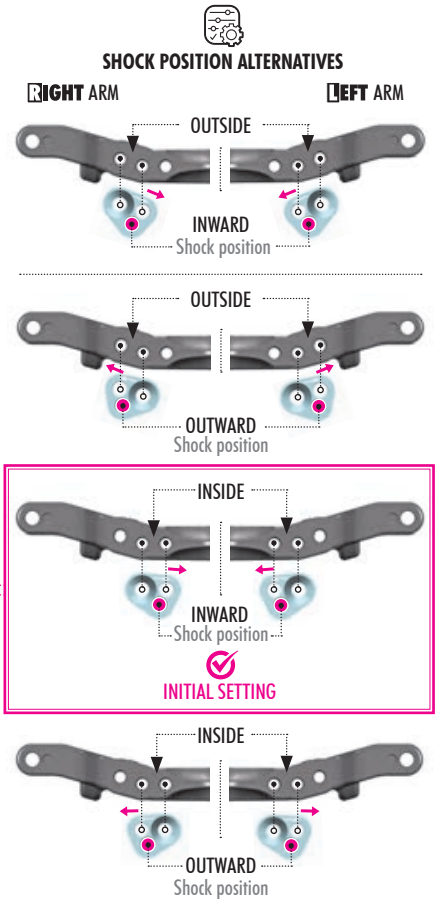
Steps only for CARPET Edition

BAG 06.1



ASSEMBLED VIEW

SHOCK POSITION ALTERNATIVES



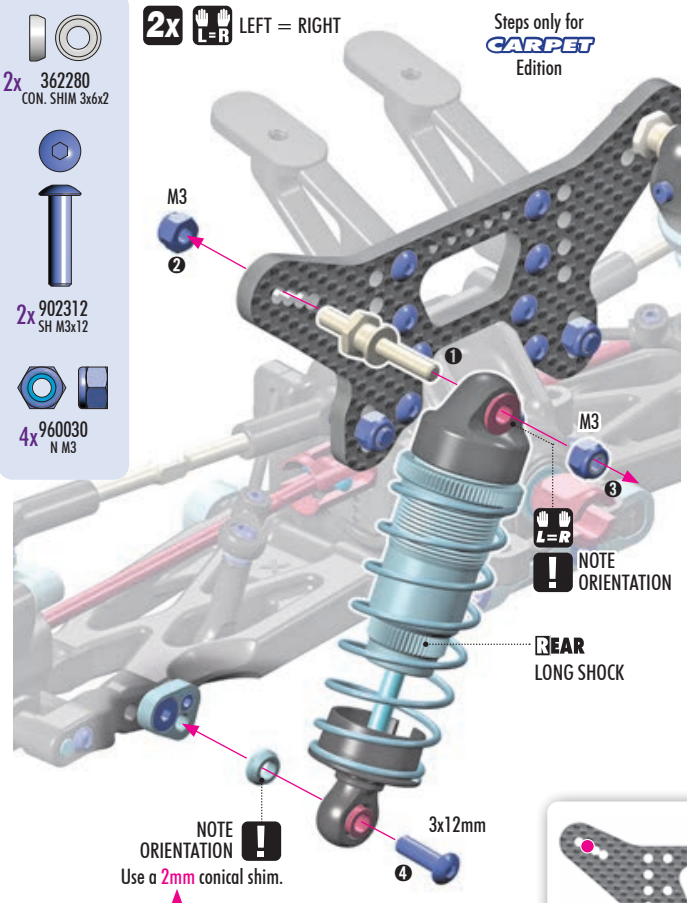
2x 362280 CON. SHIM 3x6x2

2x 902312 SH M3x12

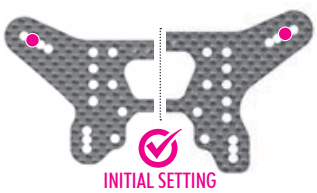
4x 960030 N M3

2x L=R LEFT = RIGHT

Steps only for CARPET Edition



Without it, the spring collar may touch the arm and affect suspension performance.

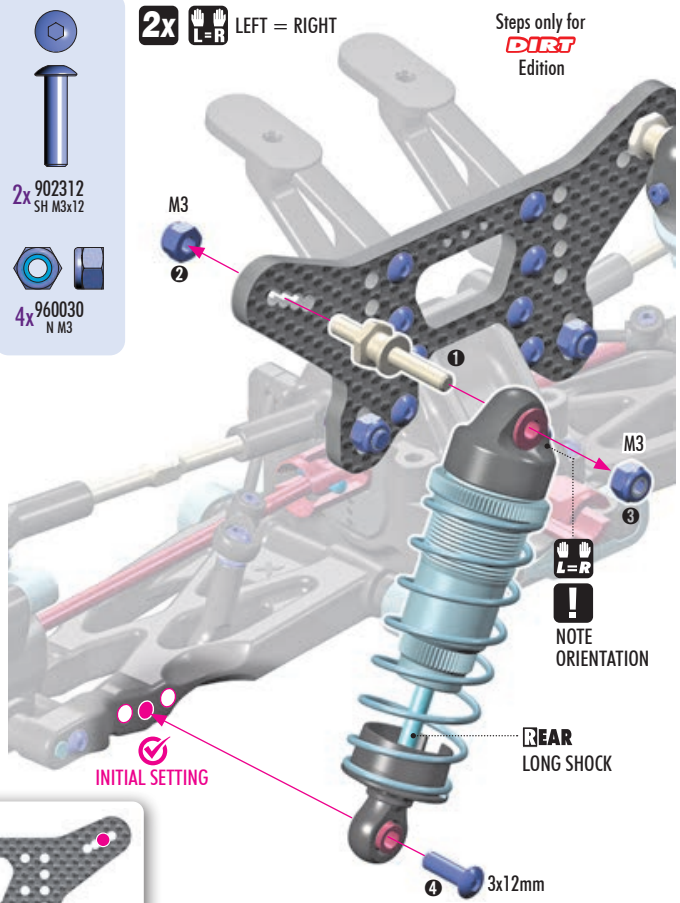


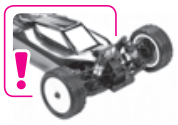
2x 902312 SH M3x12

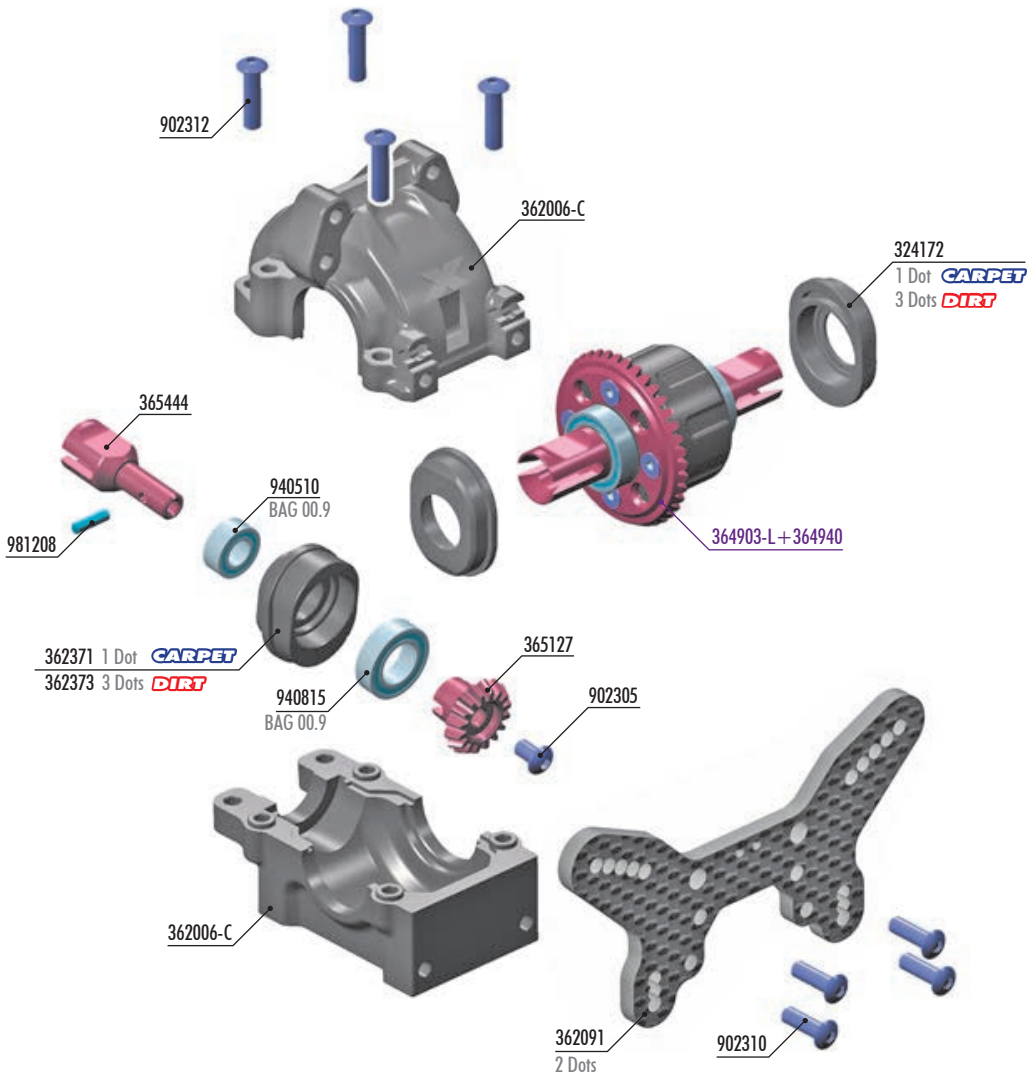
4x 960030 N M3

2x L=R LEFT = RIGHT

Steps only for DIRT Edition







OPTION

BALL-BEARING HUBS		
#324172	1 DOT	INCLUDED
#324172	2 DOTS	OPTION
#324172	3 DOTS	INCLUDED



OPTION

ANGLE HUBS - FRONT		
#362371	1 DOT	INCLUDED
#362372	2 DOTS	OPTION
#362373	3 DOTS	INCLUDED



OPTION

XRAY BALL-BEARINGS			
#359050	5x10x4	GREASE	OPTION
#940510	5x10x4	OIL	INCLUDED
#940814	8x14x4	GREASE	OPTION
#940815	8x14x4	OIL	INCLUDED



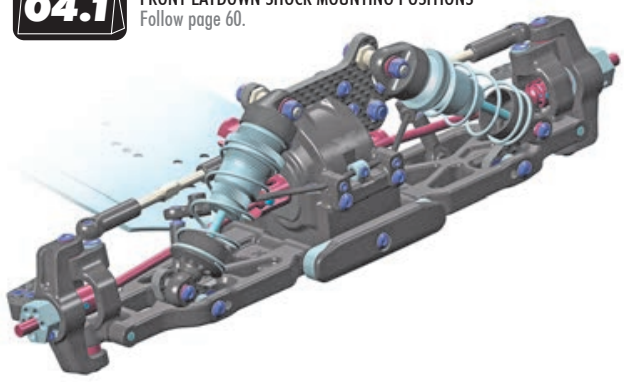
OPTION #365100
XRAY XB4 ACTIVE DIFFERENTIAL FRONT/REAR - SET



ACTIVE DIFF SEGMENTS			
#325123	60°		OPTION
#325125	90°		INCLUDED
#325127	120°		OPTION

BAG 04.1

ALTERNATIVE
FRONT LAYDOWN SHOCK MOUNTING POSITIONS
Follow page 60.



BAG 07

362006-C DIFF BULKHEAD HORIZONTAL SPLIT DESIGN FOR COLLAR - F/R - SET
362091 CARBON SHOCK TOWER HS BULKHEAD FOR WING – 2 DOTS - FRONT
365127 STEEL BEVEL DRIVE GEAR - FOR HS BULKHEAD - CNC-MACHINED - 16T
365444 CENTER DOGBONE SHAFT UNIVERSAL JOINT - HUDY SPRING STEEL™

902305 HEX SCREW SH M3x5 (10)
902310 HEX SCREW SH M3x10 (10)
902312 HEX SCREW SH M3x12 (10)
940510 BALL-BEARING 5x10x4 RUBBER SEALED - OIL (2)
940815 BALL-BEARING 8x14x4 RUBBER SEALED - OIL (2)
981208 PIN 2x8 (10)

364903-L GEAR DIFFERENTIAL - LIGHTWEIGHT - SET
364940 STEEL DIFFERENTIAL BEVEL GEAR FOR LARGE VOLUME DIFF 40T

CARPET
362371 ANGLED HUB FOR BEVEL DRIVE GEAR - FRONT HS BULKHEAD - 1 DOT
324172 COMPOSITE ADJUSTMENT BALL-BEARING HUB - 1 DOT (2)

DIRT
362373 ANGLED HUB FOR BEVEL DRIVE GEAR - FRONT HS BULKHEAD - 3 DOTS
324172 COMPOSITE ADJUSTMENT BALL-BEARING HUB - 3 DOTS (2)

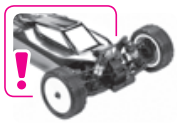
Numbers in parentheses ( ) refer to quantities when purchased separately.

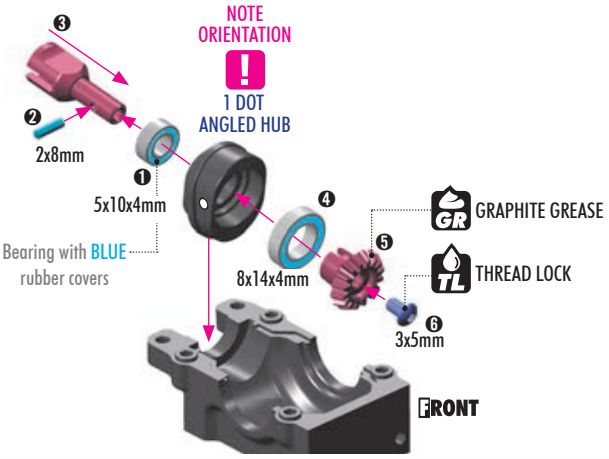
1x 902305 SH M3x5

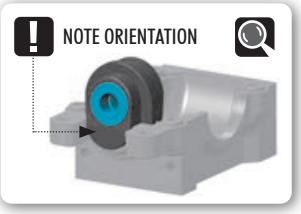
1x 940510 BB 5x10x4

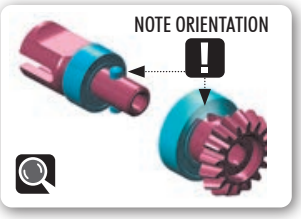
1x 940815 BB 8x14x4

1x 981208 P 2x8



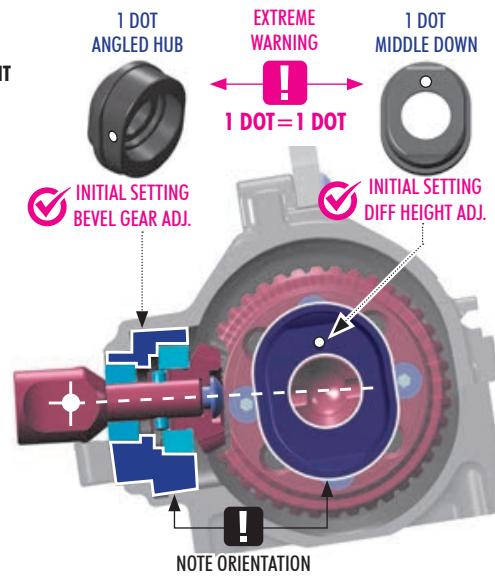






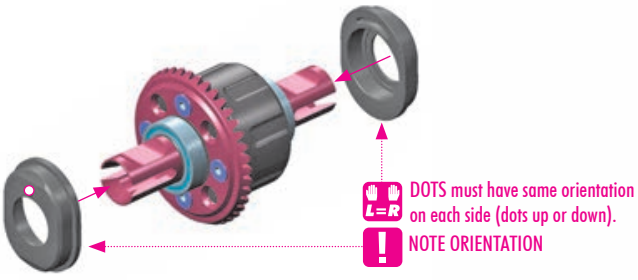
CARPET

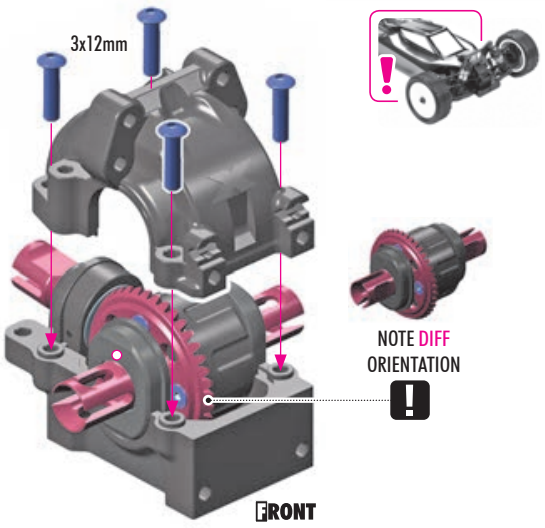
FRONT BEVEL DRIVE GEAR & DIFFERENTIAL HEIGHT ADJUSTMENT



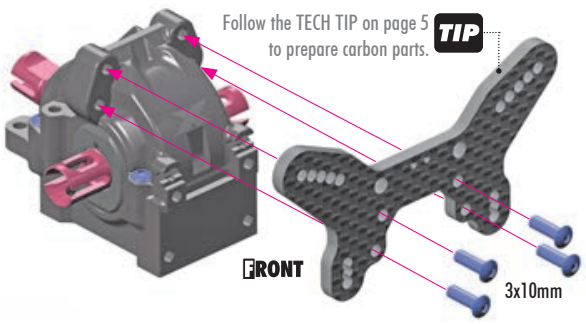


4x 902312 SH M3x12

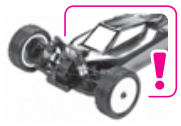


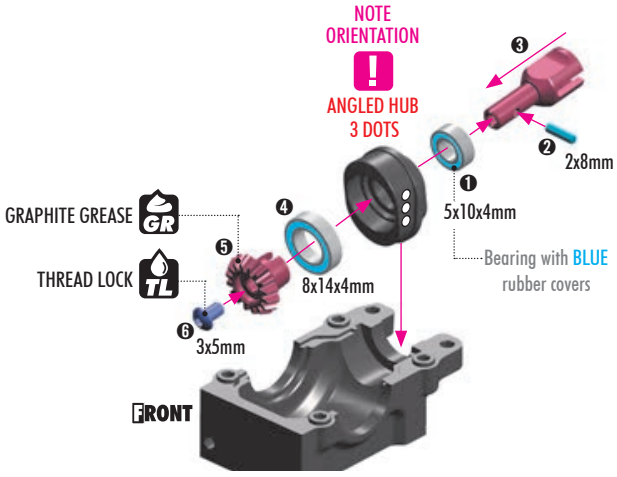


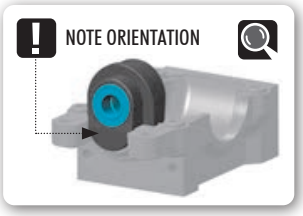
4x 902310 SH M3x10

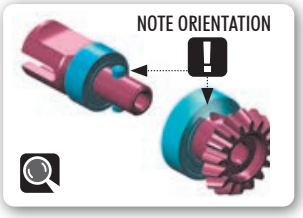


1x 902305 SH M3x5
1x 940510 BB 5x10x4
1x 940815 BB 8x14x4
1x 981208 P 2x8



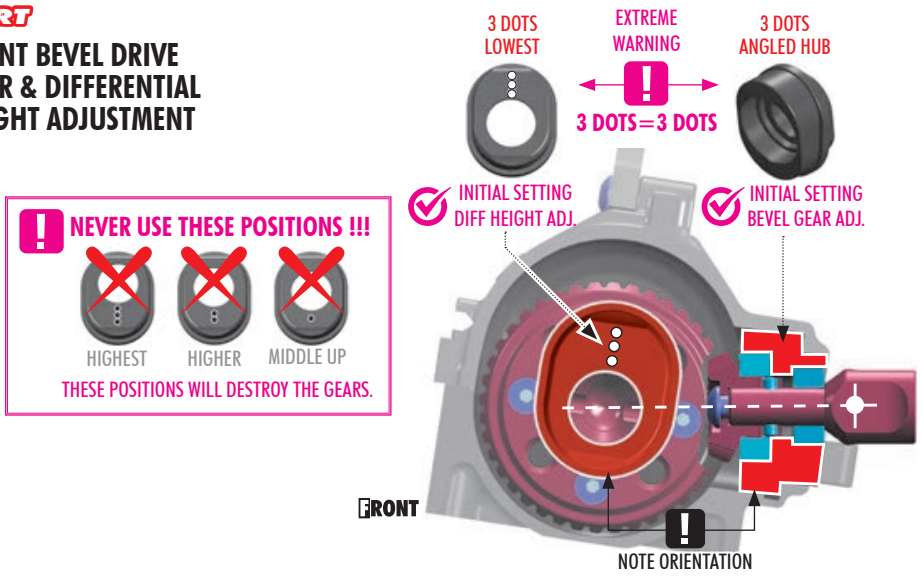




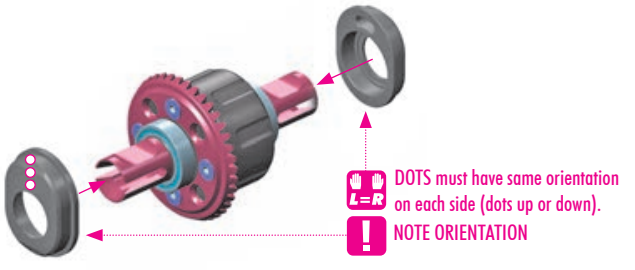


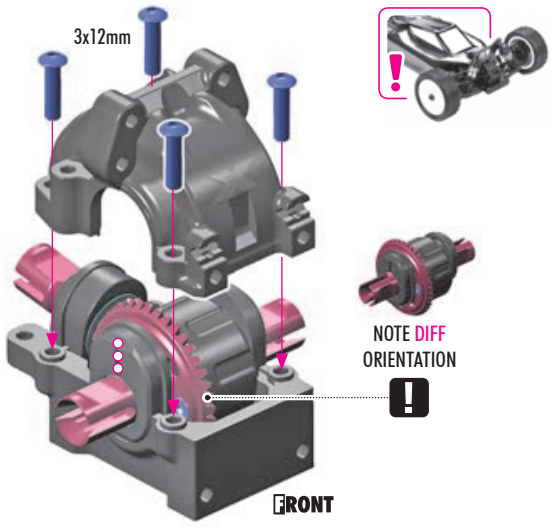
DIRT

FRONT BEVEL DRIVE GEAR & DIFFERENTIAL HEIGHT ADJUSTMENT

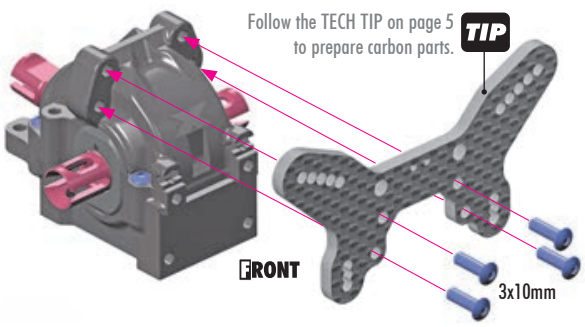


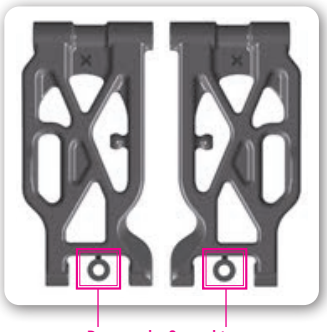
4x 902312 SH M3x12



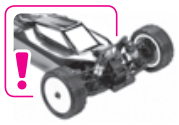


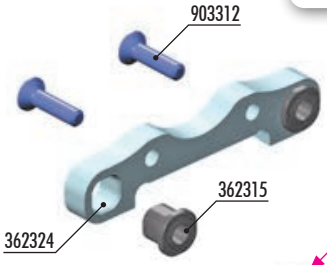
4x 902310 SH M3x10

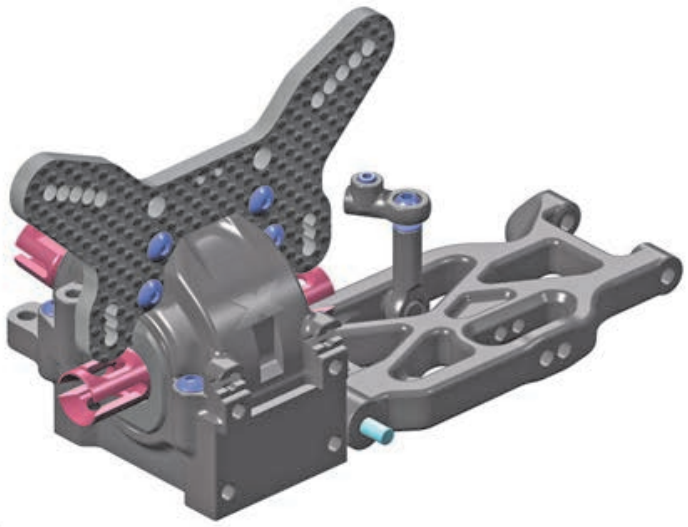


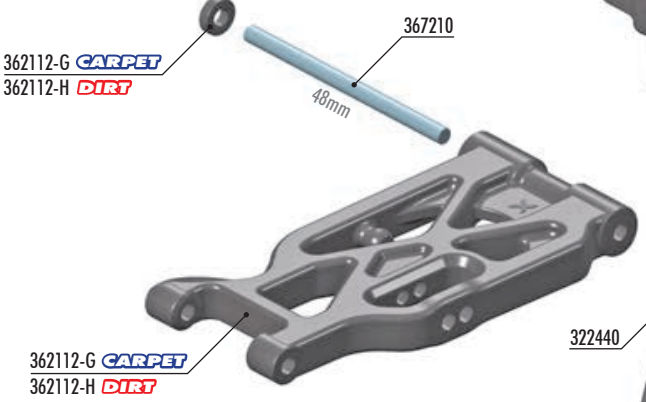


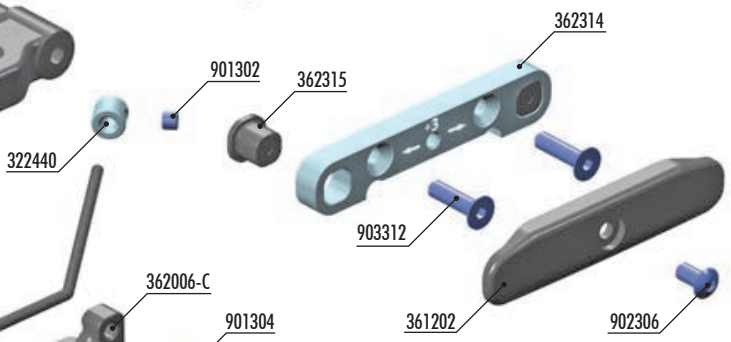
Remove the 2mm shim from each front arm.

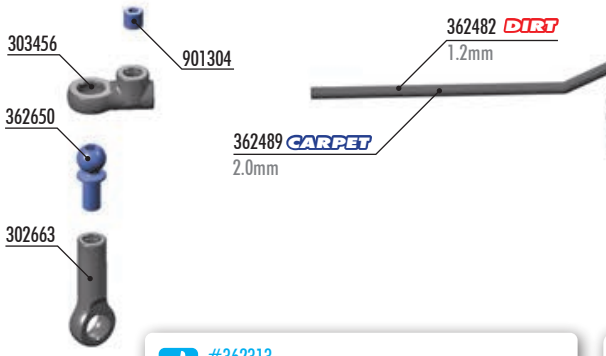












OPTION

HUDY TITAN BALL ENDS		
#990006	6mm Thread	OPTION

OPTION #362313
ALU LOWER SUSPENS. HOLDER FOR HS BULKHEAD - FF



#362323
ALU LOWER SUSPENSION HOLDER FOR HS BULKHEAD - FR
OPTION

OPTION

SHORT FRONT SUSPENSION ARMS		
#362112	MEDIUM	OPTION
#362112-H	HARD	INCLUDED
#362112-G	GRAPHITE	INCLUDED

OPTION

LONG FRONT SUSPENSION ARMS		
#362113-H	HARD	OPTION
#362113-G	GRAPHITE	OPTION



OPTION

FRONT ANTI-ROLL BARS		
#362481	1.1mm	OPTION
#362482	1.2mm	INCLUDED
#362483	1.3mm	OPTION
#362484	1.4mm	OPTION
#362486	1.6mm	OPTION
#362488	1.8mm	OPTION
#362489	2.0mm	INCLUDED

BAG 08

302663	COMPOSITE BALL JOINT 4.9mm - OPEN - V2 (8)
303456	COMPOSITE ANTI-ROLL BAR o2.0mm BALL JOINT 4.9mm (4)
322440	ALU ANTI-ROLL BAR COLLAR
361202	COMPOSITE FRONT BUMPER ALIGNED WITH CHASSIS
362006-C	DIFF BULKHEAD - HORIZONTAL SPLIT DESIGN (HS) - FRONT/REAR - SET
362314	ALU LOWER SUSP. HOLDER WIDE FOR HS BULKHEAD - FRONT-FRONT
362315	ECCENTRIC BUSHING SET (2)
362324	ALU LOWER SUSP. HOLDER WIDE FOR HS BULKHEAD - FRONT-REAR
362650	BALL END 4.9MM WITH THREAD 6mm (2)
367210	SUSPENSION PIVOT PIN (2)
901302	HEX SCREW SB M3x2.5 (10)
901304	HEX SCREW SB M3x4 (10)
902306	HEX SCREW SH M3x6 (10)
902308	HEX SCREW SH M3x8 (10)
903312	HEX SCREW SFH M3x12 (10)

DIRT

362482	ANTI-ROLL BAR 1.2mm
362112-H	COMPOSITE SUSPENSION ARM FRONT LOWER - HARD

CARPET

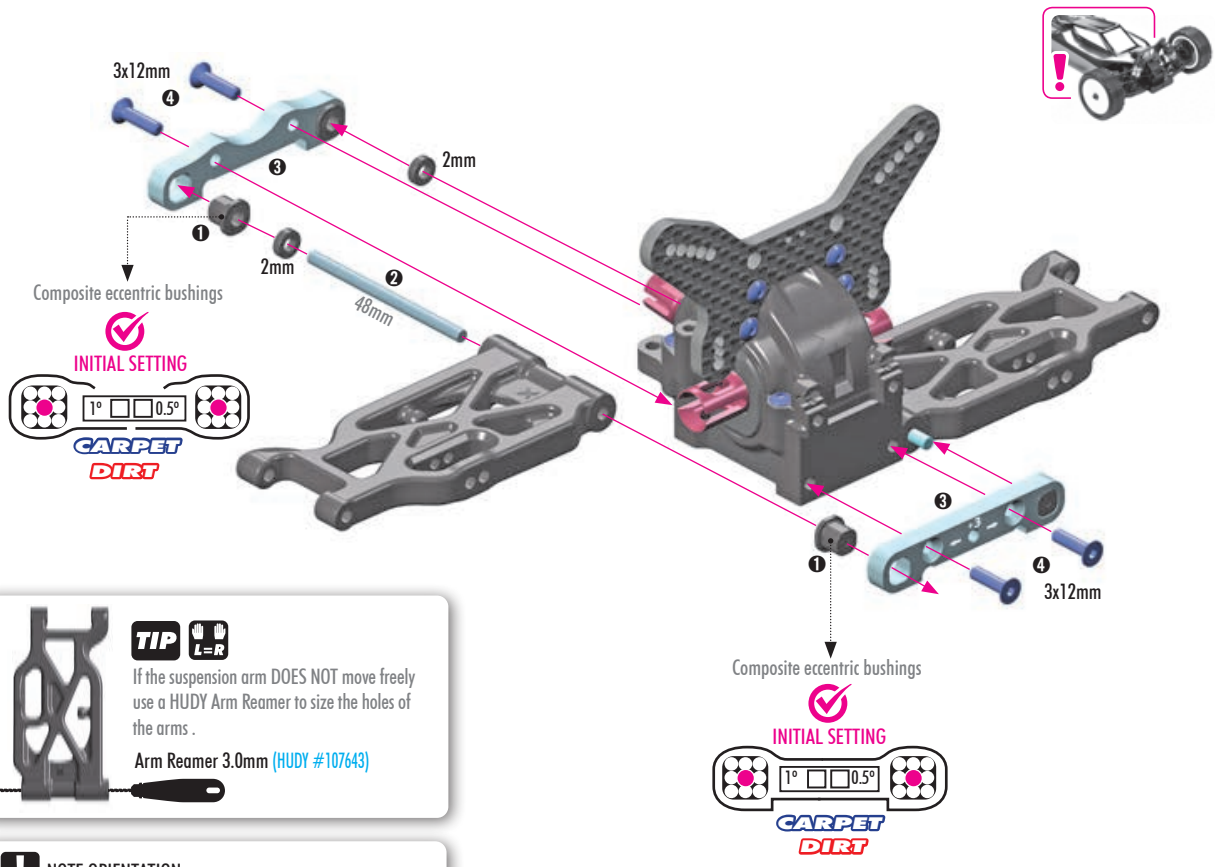
362489	ANTI-ROLL BAR 2.0mm
362112-G	COMPOSITE SUSPENSION ARM FRONT LOWER - GRAPHITE

Numbers in parentheses ( ) refer to quantities when purchased separately.

10

2x From Front Arm
SHIM 3x6.5x2

4x 903312
SFH M3x12

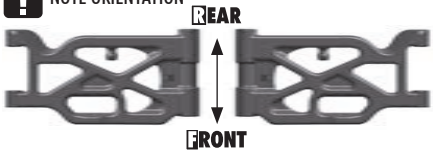


TIP L=R

If the suspension arm DOES NOT move freely use a HUDY Arm Reamer to size the holes of the arms .

Arm Reamer 3.0mm (HUDY #107643)

NOTE ORIENTATION



OPTION #362313
ALU LOWER SUSPENS. HOLDER FOR HS BULKHEAD - FF



#362323
ALU LOWER SUSPENSION HOLDER FOR HS BULKHEAD - FR
OPTION

CHECK FOR FREE MOVEMENT



OPTION

SHORT FRONT SUSPENSION ARMS		
#362112	MEDIUM	OPTION
#362112-H	HARD	INCLUDED
#362112-G	GRAPHITE	INCLUDED



OPTION

LONG FRONT SUSPENSION ARMS		
#362113-H	HARD	OPTION
#362113-G	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.

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

KICK-UP

FF	FR	(°)
		=7°
		=6°
		=8°
		=6°
		=5°
		=7°
		=8°
		=7°
		=9°

ROLL CENTER

FF	FR	(mm)
		=+0.75mm
		= 0mm
		=–0.75mm

TRACK-WIDTH

FF	FR	(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.

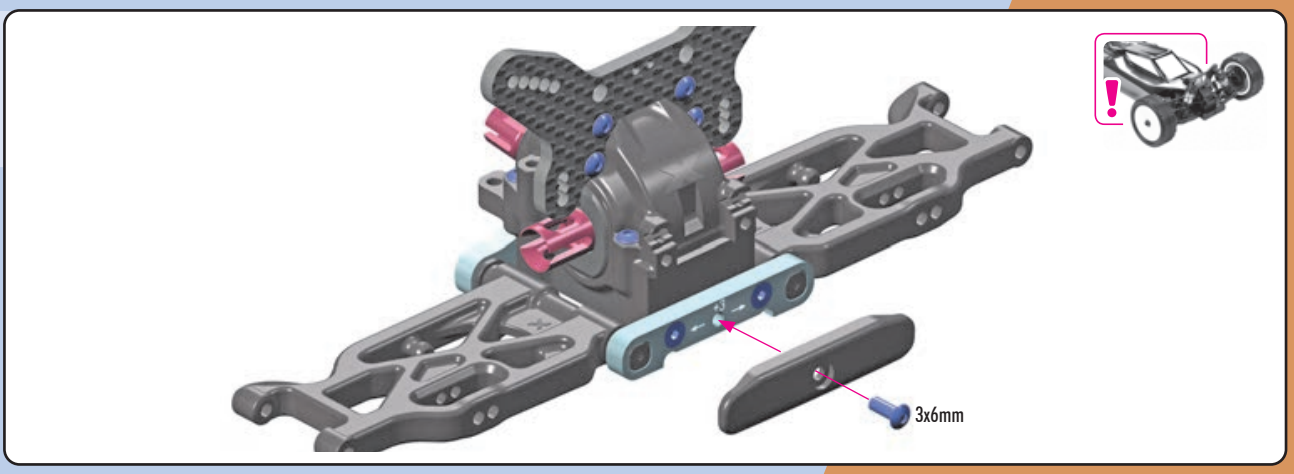
TOTAL CASTER=C-HUB CASTER+KICK UP

	KICK-UP				
C-HUB CASTER	6°	7°	8°	9°	10°
6°	12°	13°	14°	15°	16°
9°	15°	16°	17°	18°	19°

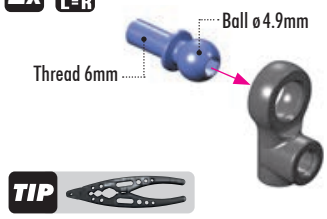
Caster is the angle between the steering pivot axis and the vertical plane. Caster is affected not only by the C-Hub caster, but also by the front kick-up angle relative to the flat chassis bottom. The table indicates how the kick-up angle affects total caster.

The XB4's stock caster blocks are 9°, but 6° blocks are available as an option.

1x 902306 SH M3x6



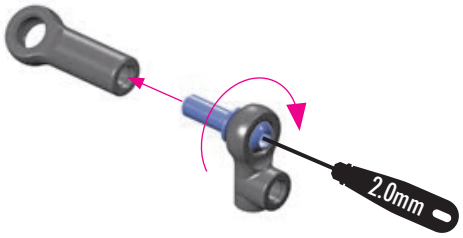
2x L=R



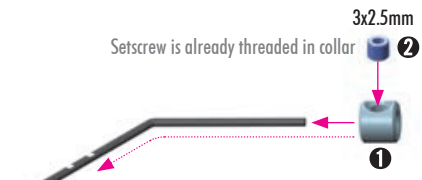
TIP
Install with HUDY Multi Tool.

OPTION #990006 HUDY TITAN BALL ENDS 6mm THREAD

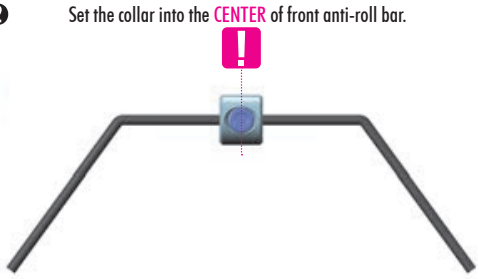
2x L=R



1x 901302 SB M3x2.5



Set the collar into the CENTER of front anti-roll bar.

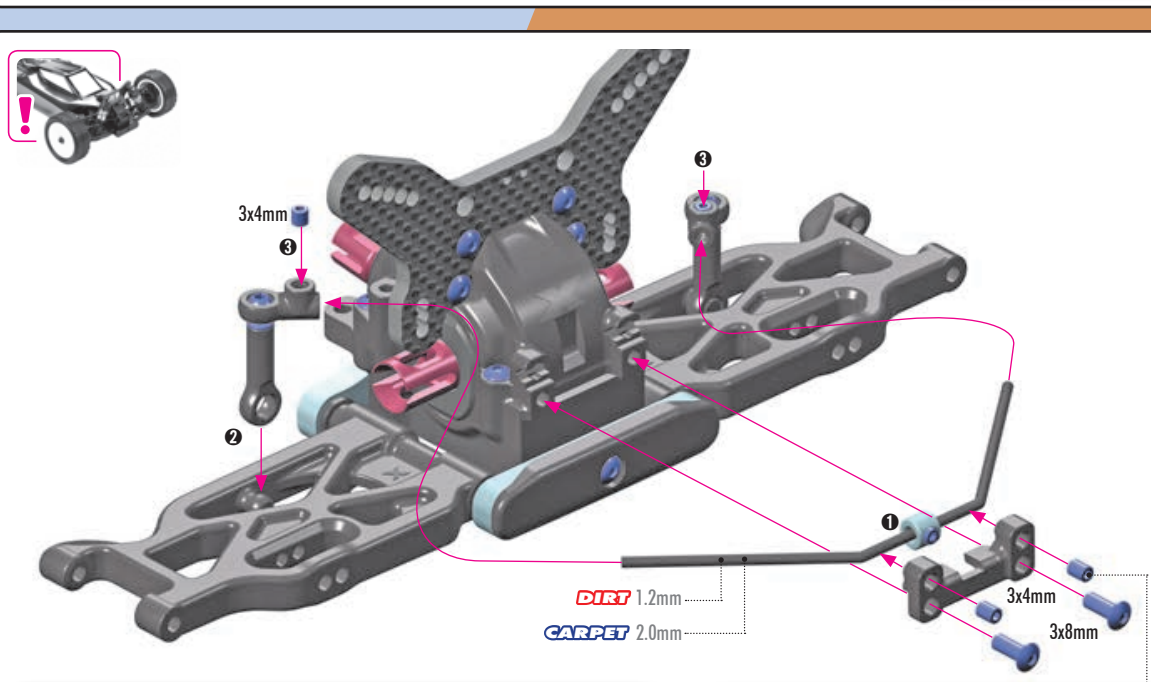


OPTION

FRONT ANTI-ROLL BARS		
#362481	1.1mm	OPTION
#362482	1.2mm	INCLUDED
#362483	1.3mm	OPTION
#362484	1.4mm	OPTION
#362486	1.6mm	OPTION
#362488	1.8mm	OPTION
#362489	2.0mm	INCLUDED

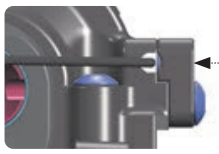
2x 901304 SB M3x4

2x 902308 SH M3x8



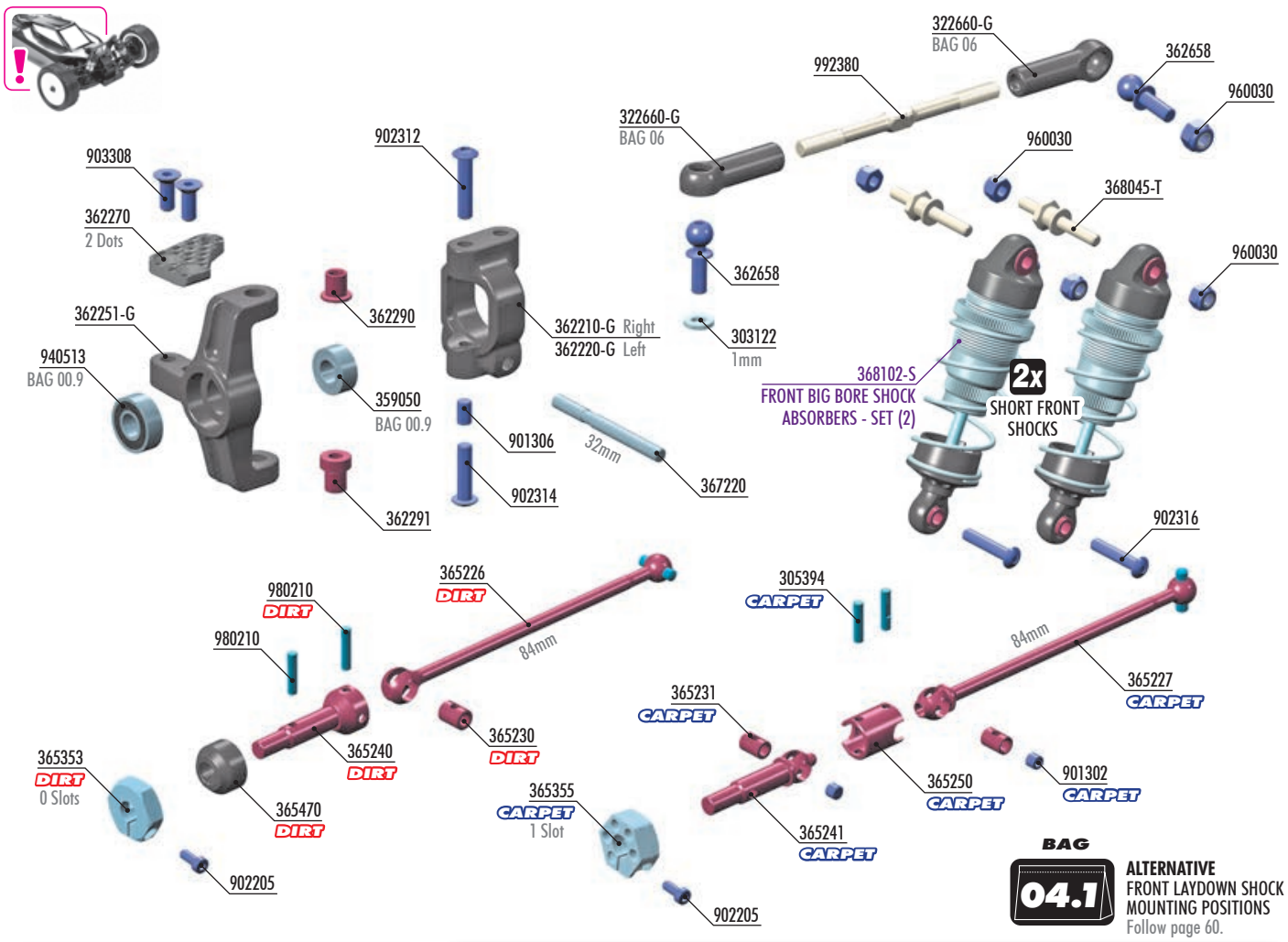


Step ❶ check for free movement.



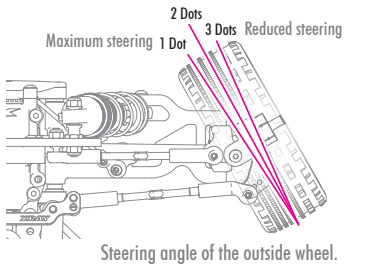
Step ❶

Loosen the 3x4 setscrew if the anti-roll bar DOES NOT turn freely.



OPTION

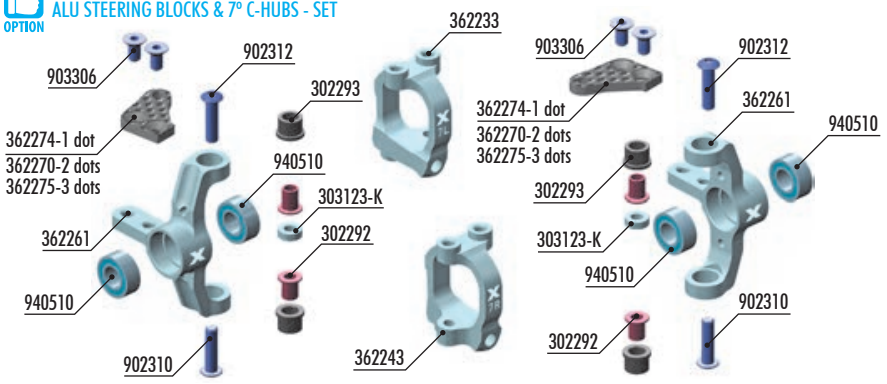
STEERING BLOCK EXTENSIONS		
#362274	1 DOT	OPTION
#362270	2 DOTS	INCLUDED
#362275	3 DOTS	OPTION



Steering angle of the outside wheel.

OPTION

#360901
ALU STEERING BLOCKS & 7° C-HUBS - SET



BAG 09

303122 ALU SHIM 3x6x1.0mm (10)
322660-G COMPOSITE BALL JOINT 5.4mm (12+1+1) - GRAPHITE
362210-G COMPOSITE C-HUB 9° DEG. RIGHT - GRAPHITE
362220-G COMPOSITE C-HUB 9° DEG. LEFT - GRAPHITE
362251-G COMPOSITE STEERING BLOCK - GRAPHITE
362270 CARBON EXTENSION FOR ALU STEERING BLOCK (1+1) - 2 DOTS
362290 STEEL STEERING BUSHING - SHORT (2)
362291 STEEL STEERING BUSHING - LONG (2)
362658 HARD STEEL BALL END 5.4mm WITH THREAD 8mm - NICKEL COATED (2)
367220 FRONT ARM PIVOT PIN (2)
368045-T TITANIUM SHOCK STANDOFFS (2)
992380 HUDY TITANIUM ADJUSTABLE TURNBUCKLE 50mm M3.5 L/R (2)

359050 BALL-BEARING 5x10x4 STEEL SEALED - GREASE (2)
901306 HEX SCREW SB M3x6 (10)
902205 HEX SCREW SH M2x5 (10)
902312 HEX SCREW SH M3x12 (10)
902314 HEX SCREW SH M3x14 (10)
902316 HEX SCREW SH M3x16 (10)
903308 HEX SCREW SFH M3x8 (10)
940513 BALL-BEARING 5x12x4 RUBBER SEALED - GREASE (2)
960030 NUT M3 (10)
980210 PIN 2x10 (10)

CARPET
365227 ECS DRIVE SHAFT 84mm WITH 2.5mm PIN - HUDY SPRING STEEL™
365231 ECS DRIVE SHAFT COUPLING - HUDY SPRING STEEL™
365241 FRONT ECS DRIVE AXLE - HUDY SPRING STEEL™
365250 ECS DRIVE SHAFT CASE - HUDY SPRING STEEL™
365355 ALU WHEEL HUB 12mm - OFFSET (+0.75mm) - (2)
305394 ECS DRIVE SHAFT PIN 2 x 9 WITH FLAT SPOT (2)
901302 HEX SCREW SB M3x2.5 (10)

DIRT
365226 FRONT DRIVE SHAFT 84mm WITH 2.5mm PIN - HUDY SPRING STEEL™
365230 DRIVE SHAFT COUPLING - HUDY SPRING STEEL™
365240 FRONT DRIVE AXLE - HUDY SPRING STEEL™
365353 ALU WHEEL HUB 12mm (0mm) - (2)
365470 COMPOSITE DRIVE SHAFT SAFETY COLLAR (3)

368102-S SHOCK ABSORBERS 30mm - SHORT CAP - BIG BORE - SET (2)

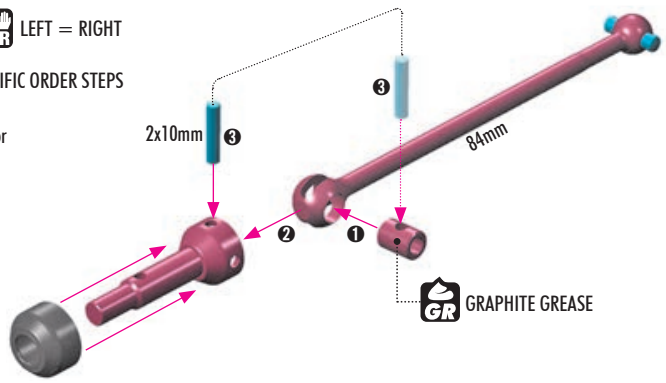
Numbers in parentheses ( ) refer to quantities when purchased separately.

2x 980210 P 2x10

2x LEFT = RIGHT

SPECIFIC ORDER STEPS

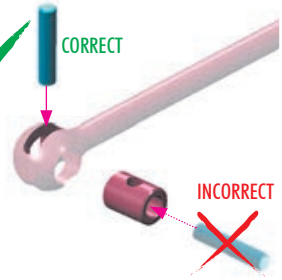
Steps only for DIRT Edition



EXTREMELY IMPORTANT

CORRECT

INCORRECT

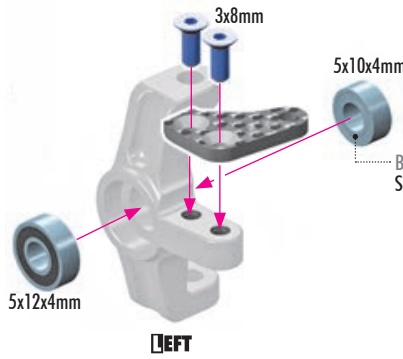


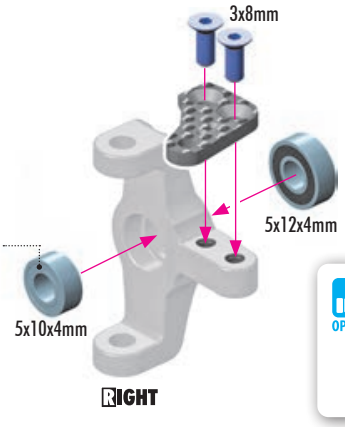
4x 903308 SFH M3x8

2x 359050 BB 5x10x4

2x 940513 BB 5x12x4

2x







OPTION

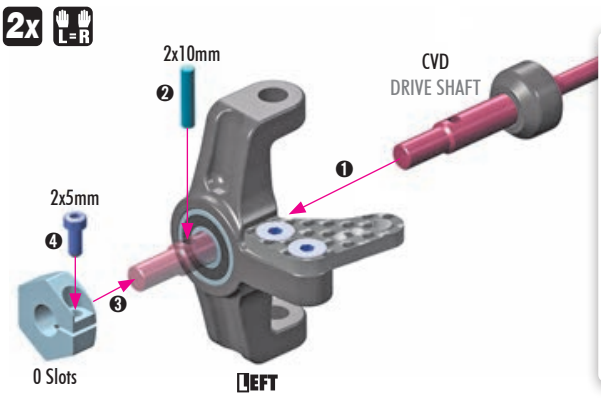
STEERING BLOCKS		
#362251-M	MEDIUM	OPTION
#362251-G	GRAPHITE	INCLUDED
#362261	ALU	OPTION



2x 902205 SH M2x5

2x 980210 P 2x10

2x



OPTION

WHEEL 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

OPTIONAL HEX HUB EFFECTS

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

LESS OFF-SET

Rear - more traction

Front - more steering

MORE OFF-SET

Rear - less traction

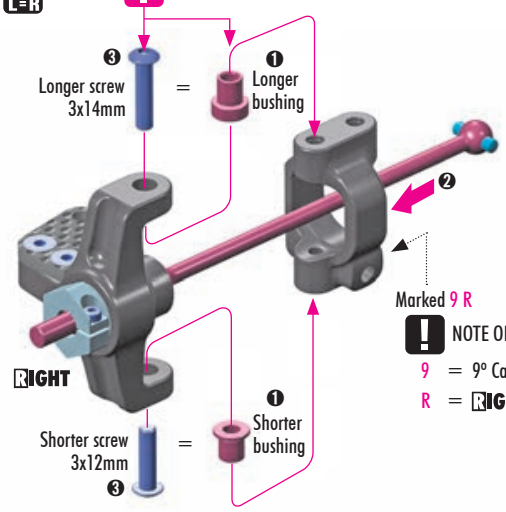
Front - less steering

2x 902312 SH M3x12

2x 902314 SH M3x14

2x

Be sure to use the shorter screw with shorter bushing and longer screw with longer bushing.



NOTE ORIENTATION

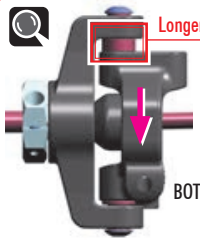
9 = 9° Caster

R = RIGHT Transmission

When inserting the bushings, make sure that bushings are inserted equally on both RIGHT and LEFT hub to give the same roll center position.

OPTION #360901 ALU STEER. BLOCKS & 7° C-HUBS - SET





INITIAL SETTING DIRT

LOWER ROLL CENTER

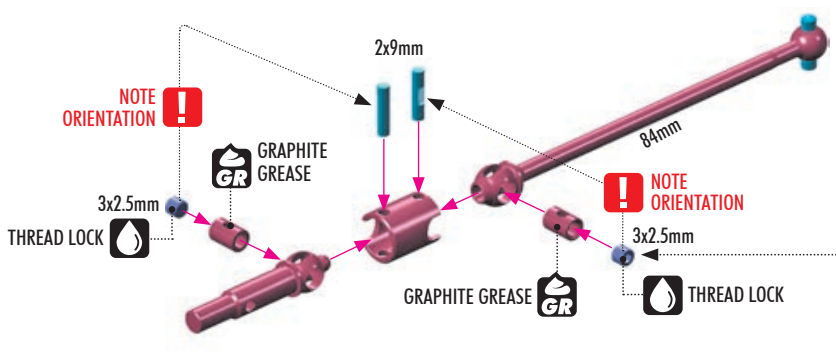
TOP = LONGER bushing & 3x14 screw

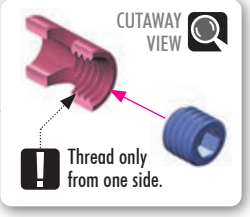
BOTTOM = SHORTER bushing & 3x12 screw

4x 901302 SB M3x2.5
4x 305394 P 2x9

2x L=R

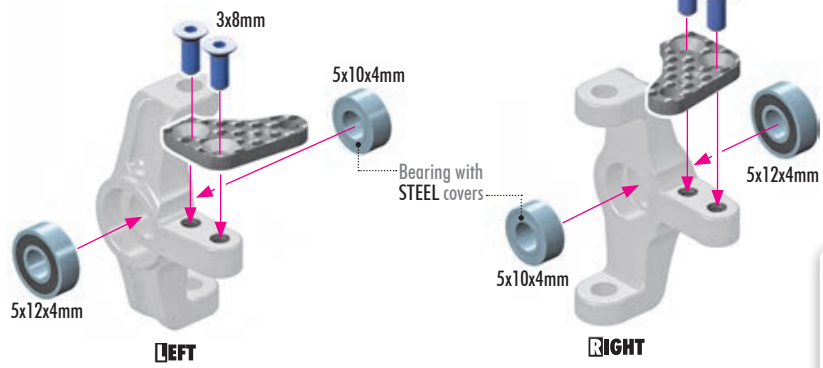
Steps only for CARPET Edition





4x 903308 SFH M3x8
2x 359050 BB 5x10x4
2x 940513 BB 5x12x4

2x L=R





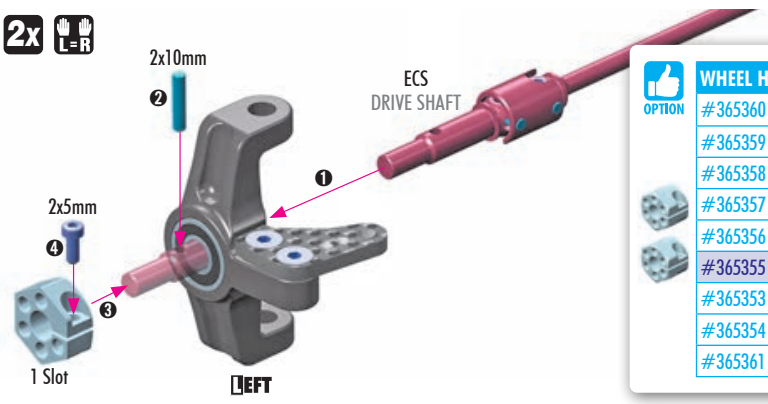
OPTION

STEERING BLOCKS		
#362251-M	MEDIUM	OPTION
#362251-G	GRAPHITE	INCLUDED
#362261	ALU	OPTION



2x 902205 SH M2x5
2x 980210 P 2x10

2x L=R



OPTION

WHEEL 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	INCLUDED
#365353	0mm	0 SLOTS	OPTION
#365354	-0.75mm	Lightw.	OPTION
#365361	-1.25mm	Lightw.	OPTION

OPTIONAL HEX HUB EFFECTS

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

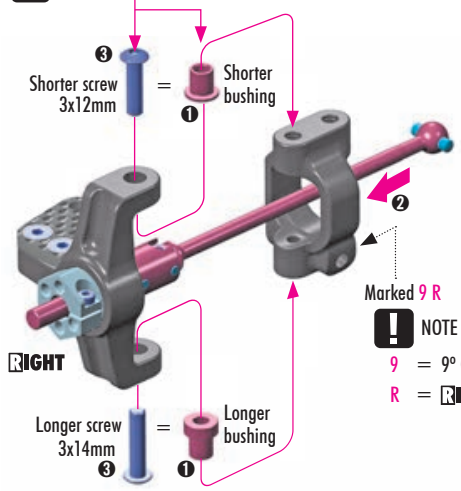
LESS OFF-SET
Rear - more traction
Front - more steering

MORE OFF-SET
Rear - less traction
Front - less steering

2x 902312 SH M3x12
2x 902314 SH M3x14

2x L=R

Be sure to use the shorter screw with shorter bushing and longer screw with longer bushing.

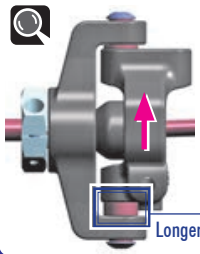


Marked 9 R
NOTE ORIENTATION
9 = 9° Caster
R = RIGHT Transmission

When inserting the bushings, make sure that bushings are inserted equally on both RIGHT and LEFT hub to give the same roll center position.

OPTION #360901 ALU STEER. BLOCKS & 7° C-HUBS - SET



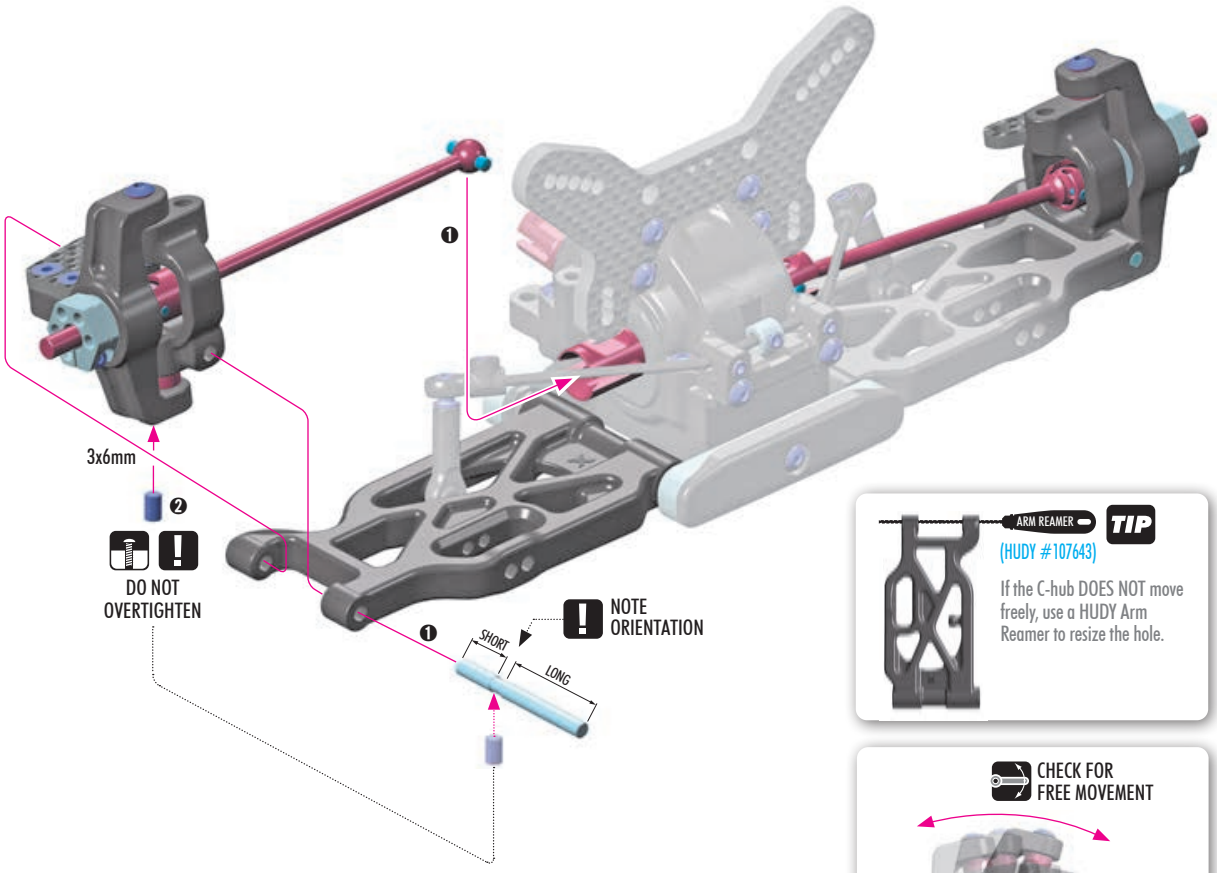


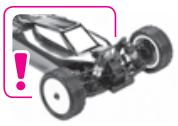
TOP = SHORTER bushing & 3x12 screw
BOTTOM = LONGER bushing & 3x14 screw

HIGHER ROLL CENTER
INITIAL SETTING CARPET

2x 901306 SB M3x6

2x L=R LEFT = RIGHT

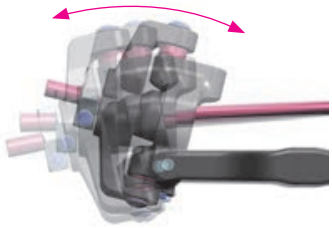




(HUDY #107643)

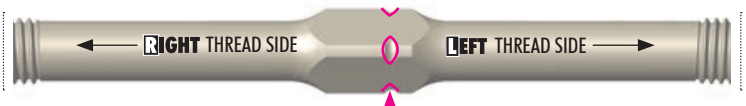
If the C-hub DOES NOT move freely, use a HUDY Arm Reamer to resize the hole.

CHECK FOR FREE MOVEMENT

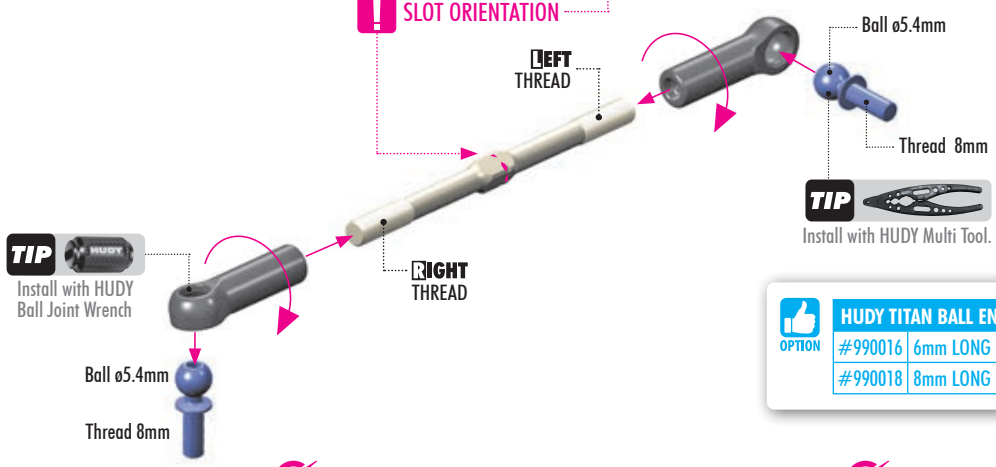


ROLL CENTER LINKS

2x L=R LEFT = RIGHT



SLOT ORIENTATION



OPTION

HUDY TITAN BALL ENDS 5.4mm		
#990016	6mm LONG	OPTION
#990018	8mm LONG	OPTION



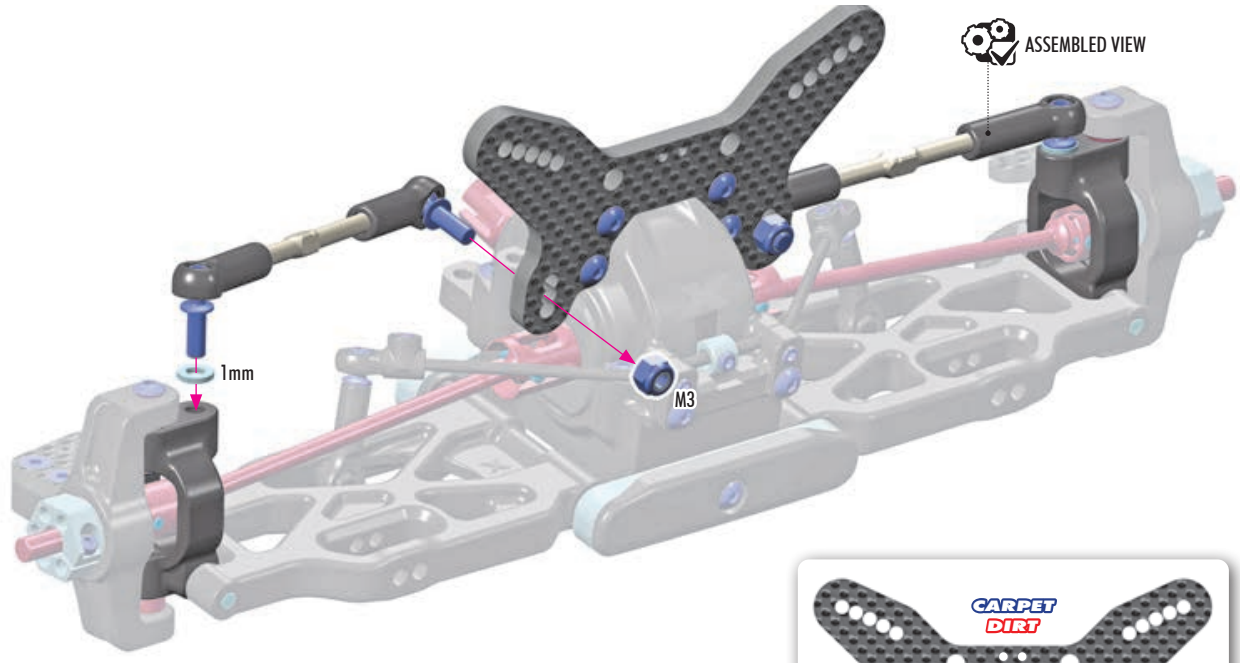


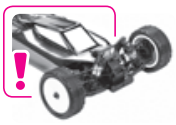


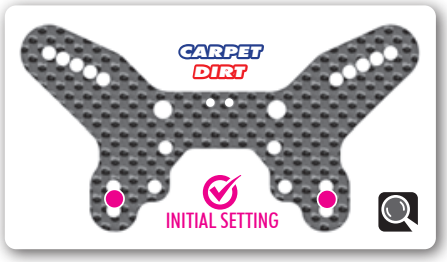
2x 960030 N M3

2x 303122 SHIM 3x6x1

2x L=R LEFT = RIGHT



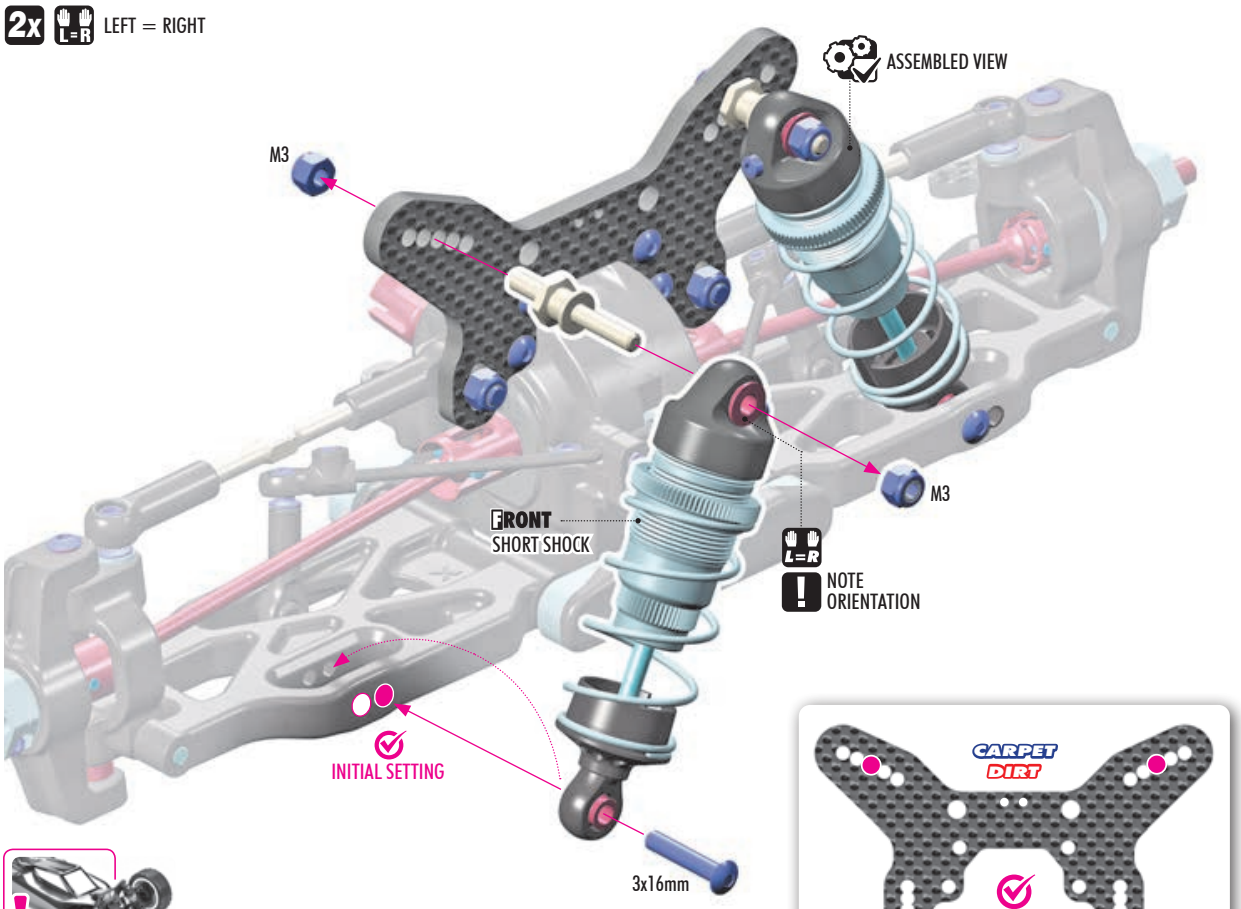


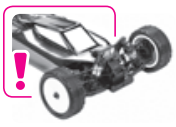


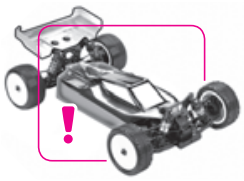
2x 902316 SH M3x16

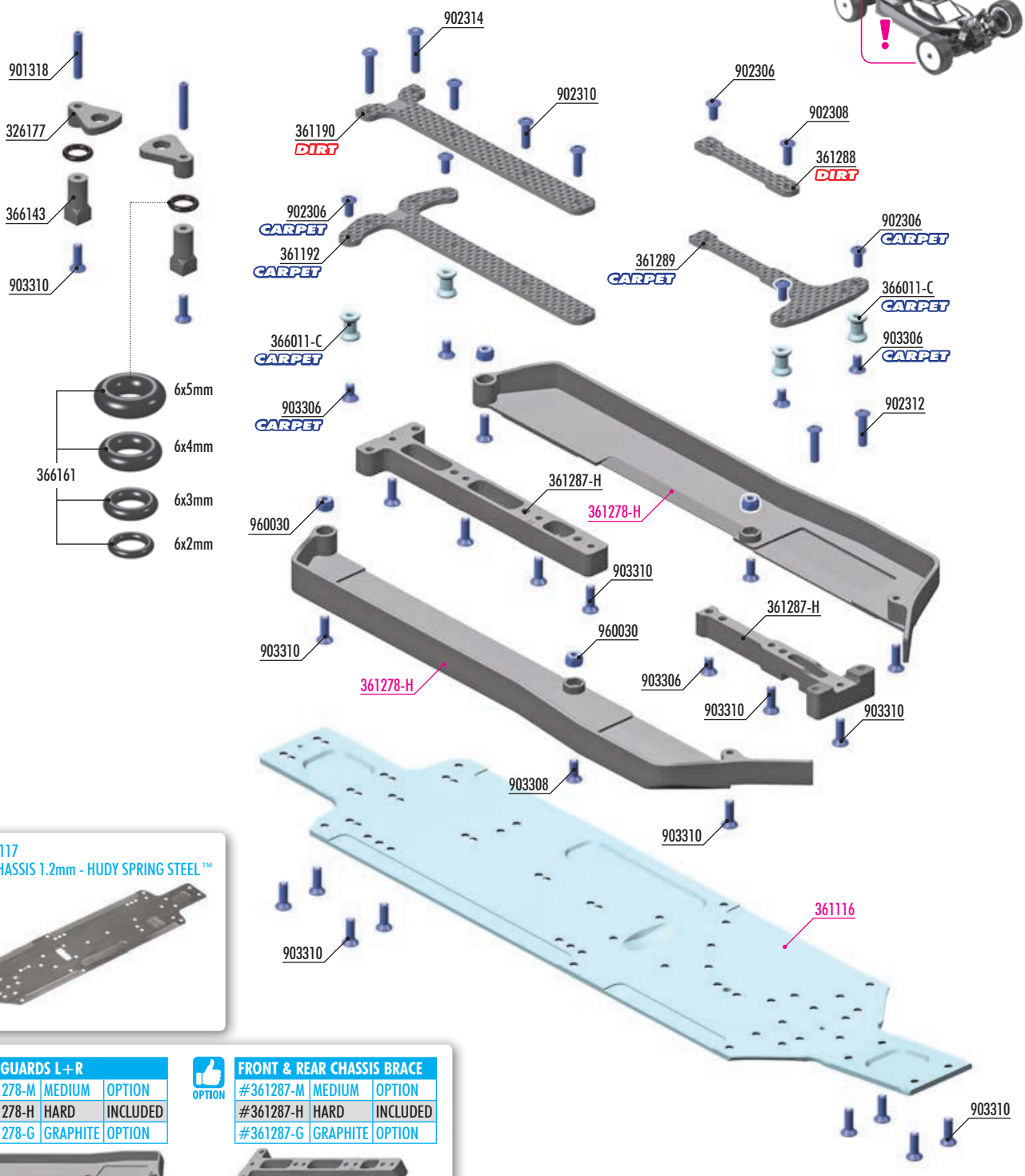
4x 960030 N M3

2x L=R LEFT = RIGHT









OPTION

#361117
XB4 CHASSIS 1.2mm - HUDY SPRING STEEL™

OPTION

SIDE GUARDS L+R		
#361278-M	MEDIUM	OPTION
#361278-H	HARD	INCLUDED
#361278-G	GRAPHITE	OPTION



OPTION

FRONT & REAR CHASSIS BRACE		
#361287-M	MEDIUM	OPTION
#361287-H	HARD	INCLUDED
#361287-G	GRAPHITE	OPTION



BAG 10

326177	COMPOSITE BATTERY CLAMP (2)
361287-H	COMPOSITE CHASSIS BRACE FRONT & REAR - NARROW - HARD
366143	COMPOSITE BATTERY HOLDER STAND (2)
366161	SET OF O-RINGS (6x2, 6x3, 6x4, 6x5mm)
901318	HEX SCREW SB M3x18 (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)
903306	HEX SCREW SFH M3x6 (10)
903308	HEX SCREW SFH M3x8 (10)
903310	HEX SCREW SFH M3x10 (10)
960030	NUT M3 (10)

CARPET

361192	CARBON CHASSIS T-BRACE - REAR
361289	CARBON CHASSIS T-BRACE - FRONT
366011-C	ALU BRACE MOUNT - SWISS 7075 T6 (2)

DIRT

361190	CARBON CHASSIS BRACE
361288	CARBON CHASSIS WIRE COVER

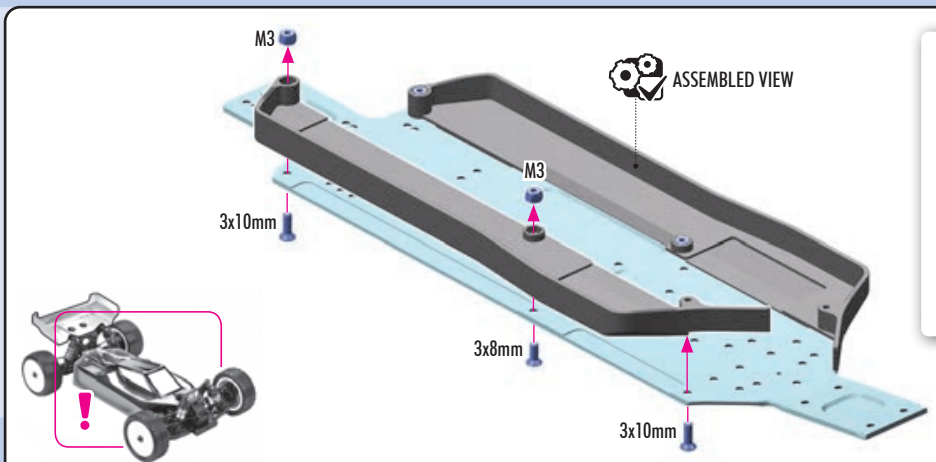
361116	ALU CHASSIS 2.0mm - SWISS 7075 T6
361278-H	COMPOSITE CHASSIS SIDE GUARDS L+R - NARROW FRONT - V3 - HARD

Numbers in parentheses ( ) refer to quantities when purchased separately.

2x 903308 SFH M3x8

4x 903310 SFH M3x10

4x 960030 N M3



OPTION

SIDE GUARDS L+R		
#361278-M	MEDIUM	OPTION
#361278-H	HARD	INCLUDED
#361278-G	GRAPHITE	OPTION



CARPET HARDWARE

5x 902306 SH M3x6

1x 902308 SH M3x8

3x 902310 SH M3x10

5x 903306 SFH M3x6

6x 903310 SFH M3x10

DIRT HARDWARE

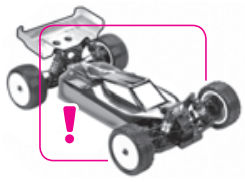
1x 902306 SH M3x6

1x 902308 SH M3x8

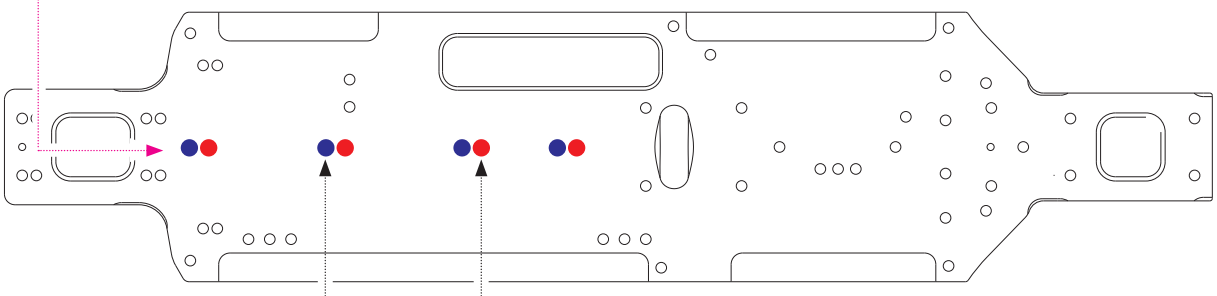
3x 902310 SH M3x10

1x 903306 SFH M3x6

6x 903310 SFH M3x10



DO NOT fully tighten the screws during assembly. Fully tighten the screws only after both front and rear suspension assemblies are mounted to the chassis.

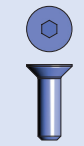


CARPET
COMPOSITE CHASSIS BRACE
STANDARD POSITION
INITIAL SETTING

DIRT
COMPOSITE CHASSIS BRACE
SHORT POSITION
INITIAL SETTING



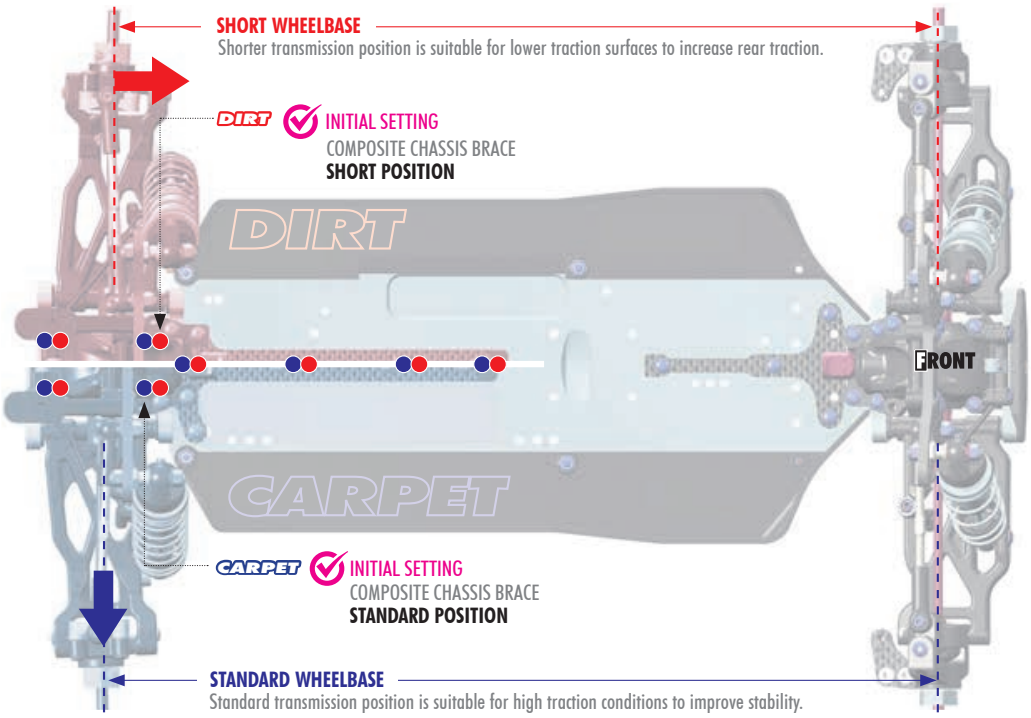
2x 902314
SH M3x14



4x 903310
SFH M3x10

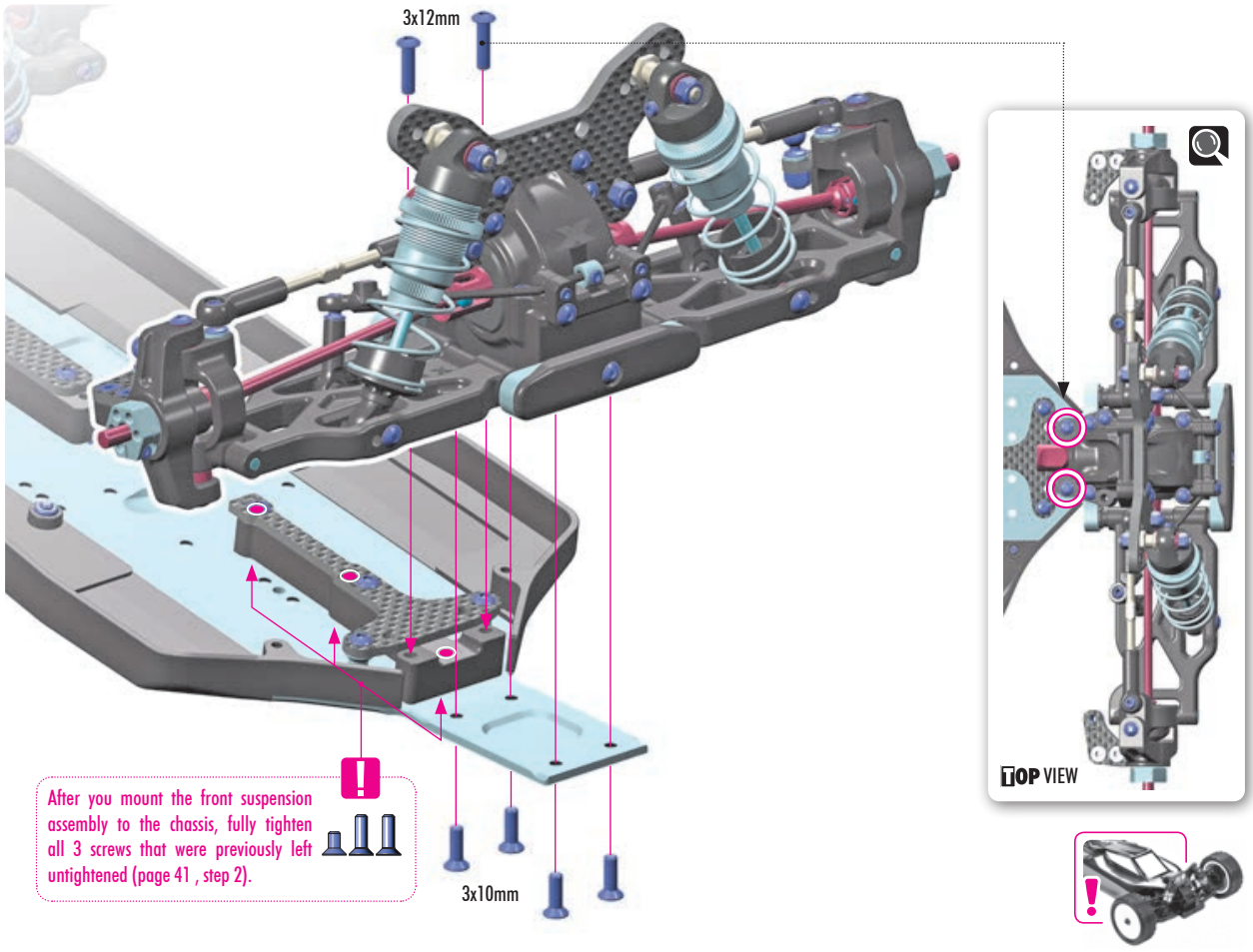


After you mount the rear suspension assembly to the chassis, fully tighten all 4 screws 3x10mm that were previously left untightened (page 41 , step 2).



2x 902312 SH M3x12

4x 903310 SFH M3x10

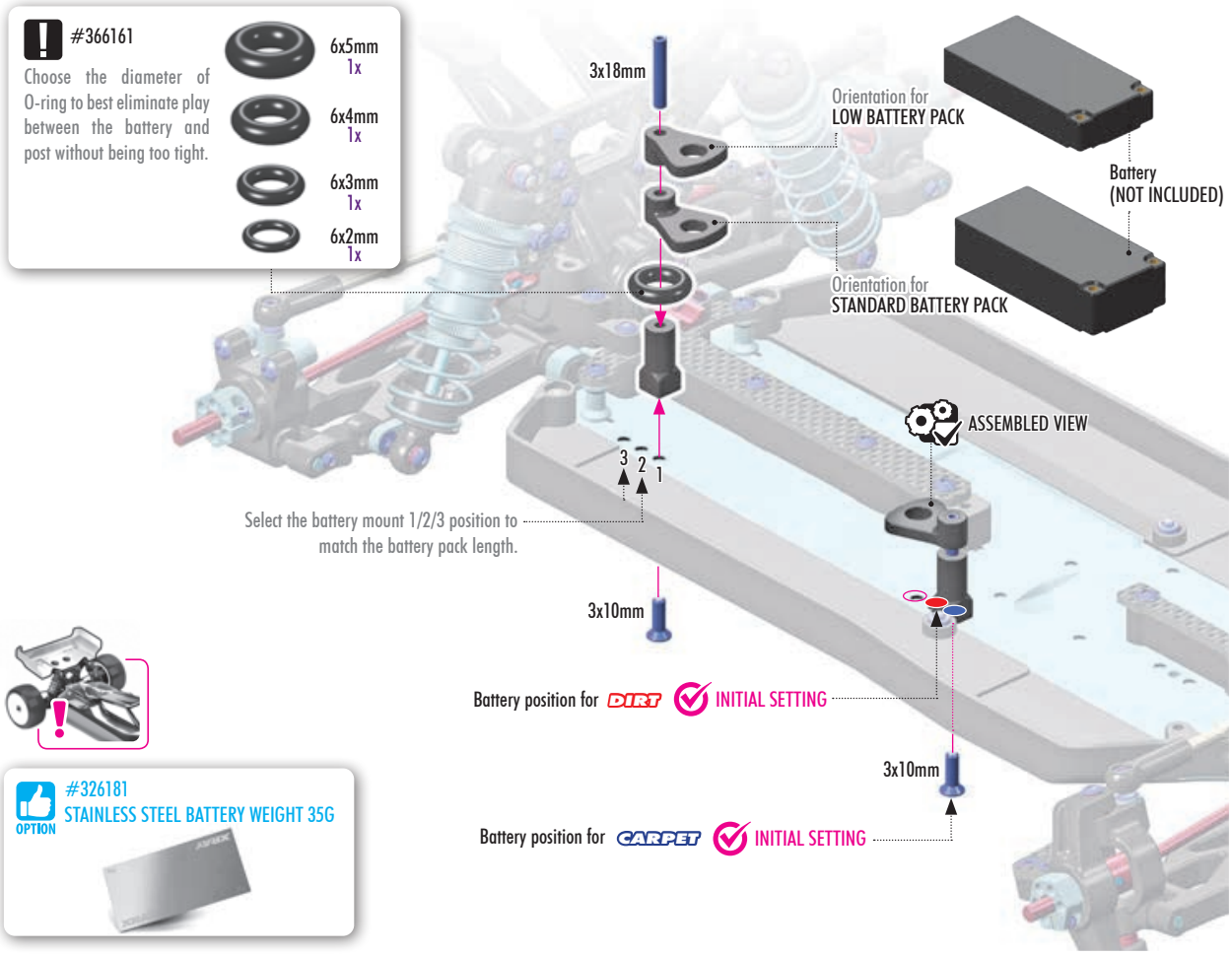


2x 901318 SB M3x18

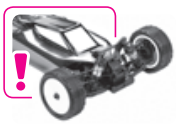
2x 903310 SFH M3x10

#366161
Choose the diameter of O-ring to best eliminate play between the battery and post without being too tight.

6x5mm 1x
6x4mm 1x
6x3mm 1x
6x2mm 1x



OPTION #326181
STAINLESS STEEL BATTERY WEIGHT 35G



OPTION #362560-C
ADJ. MULTI-FLEX STEERING SYSTEM
BRACE-SET

OPTION #362512-G
COMPOSITE SERVO SAVER - GRAPHITE

BAG 11

303122	ALU SHIM 3x6x1.0mm (10)
322591	ALU SHIM 3x4.7x0.5mm (10)
322660-G	COMPOSITE BALL JOINT 5.4mm (12+1+1) - GRAPHITE
332540	ALU SERVO SAVER ADJUSTABLE NUT
332561	SERVO SAVER SPRING C=14
361322	BODY MOUNT - EXTRA-SHORT
362512	COMPOSITE SERVO SAVER FOR BALL-BEARINGS
362540	ALU SERVO SAVER MAIN SHAFT
362552-C	SERVO SAVER PIVOT SHAFT +5mm (2)
362581	CARBON STEERING BRACE
362658	HARD STEEL BALL END 5.4mm WITH THREAD 8mm - NICKEL COATED (2)
992380	HUDY TITANIUM ADJUSTABLE TURNBUCKLE 50MM M3.5 L/R (2)
902308	HEX SCREW SH M3x8 (10)
902310	HEX SCREW SH M3x10 (10)
903308	HEX SCREW SFH M3x8 (10)
903312	HEX SCREW SFH M3x12 (10)
930306	BALL-BEARING 3x6x2.5mm STEEL SEALED - OIL (2)
940508	BALL-BEARING 5x8x2.5 RUBBER SEALED - OIL (2)
960030	NUT M3 (10)
962034	STEEL WASHER S 3x4.7x1 (10)
970100	O-RING 10 x 1.5 (10)

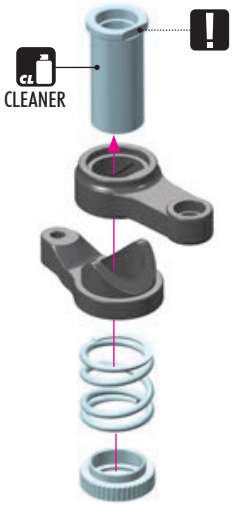
CARPET
362575 ALU STEERING PLATE 2-H. - 6mm PROFILED SHAPE - SWISS 7075 T6

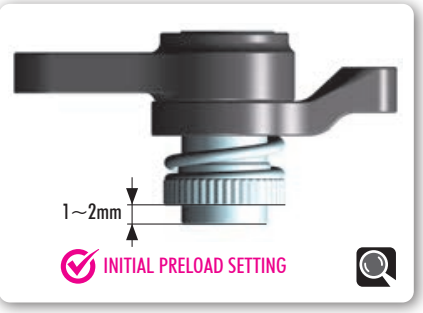
DIRT
362571-G COMPOSITE STEERING PLATE - GRAPHITE

Numbers in parentheses ( ) refer to quantities when purchased separately.

1x 970100 O 10x1.5







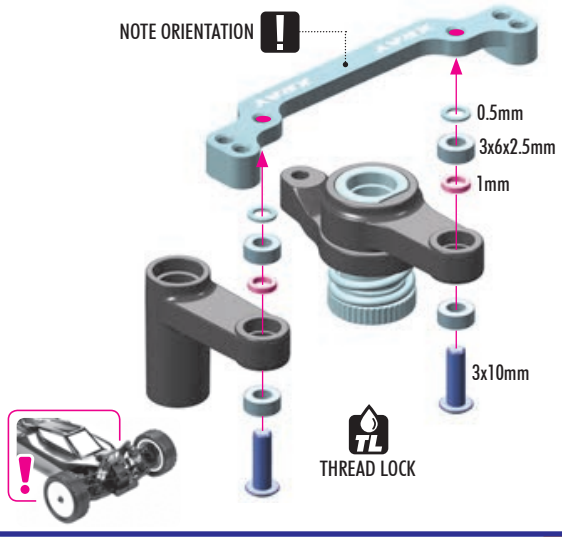
2x 322591 SHIM 3x4.7x0.5

2x 902310 SH M3x10

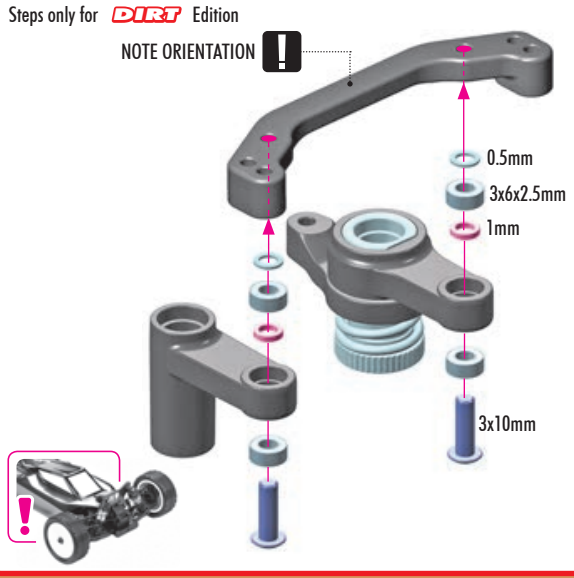
4x 930306 BB 3x6x2.5

2x 962034 S 3x4.7x1

Steps only for CARPET Edition



Steps only for DIRT Edition

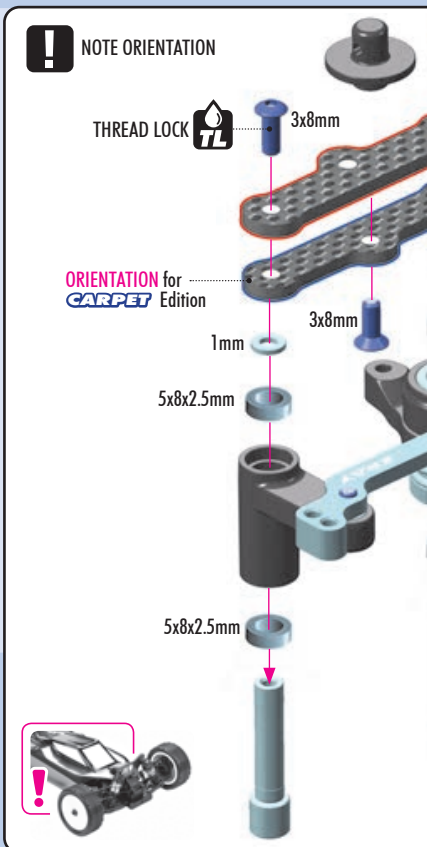


2x 303122 SHIM 3x6x1

2x 902308 SH M3x8

1x 903308 SFH M3x8

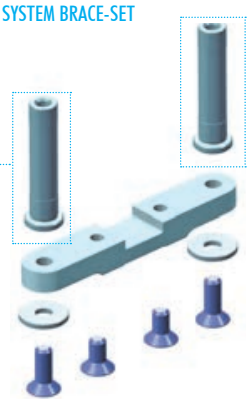
4x 940508 BB 5x8x2.5

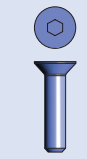




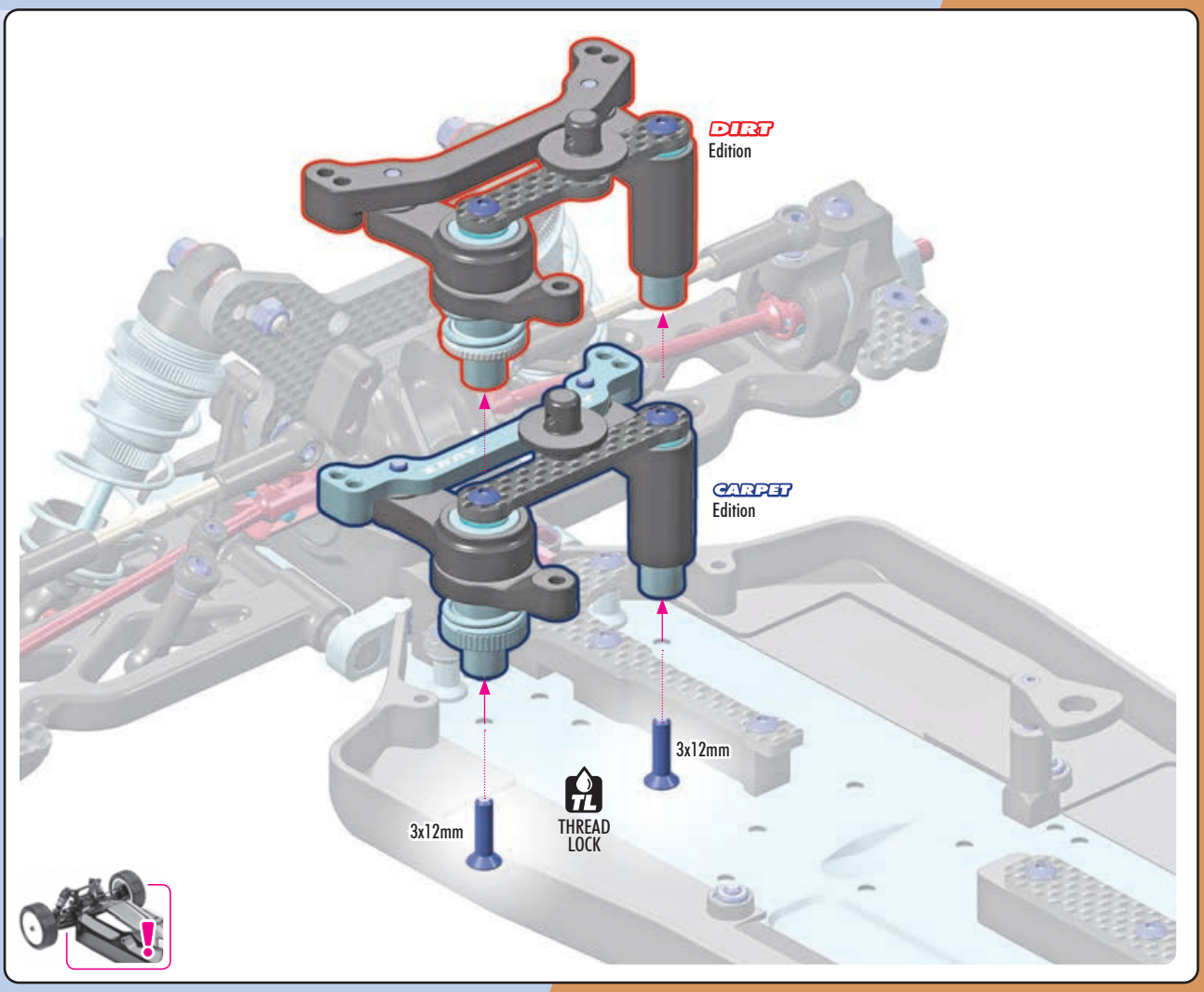
Replace Pivot Shafts if you use OPTION #362560-C
Follow assembly steps on page 46 step 2 to check multi-flex adjustments.

OPTION #362560-C
ADJUSTABLE MULTI-FLEX STEERING SYSTEM BRACE-SET





2x 903312
SFH M3x12



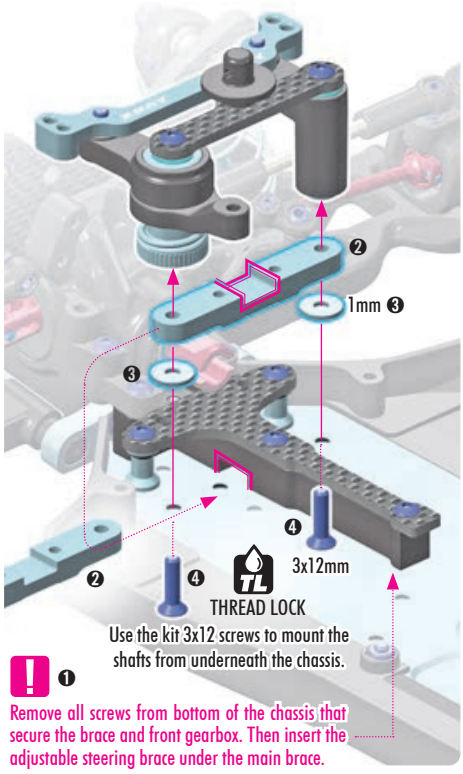
OPTION #362560-C
ADJUSTABLE MULTI-FLEX
STEERING SYSTEM BRACE-SET



The Adjustable Multi-Flex Steering System Brace allows precise adjustment of steering characteristics by changing the mounting position of the servo saver pivot shafts to the chassis.

ALTERNATIVE – FIXED

Mounting through the outside holes with shims between the brace and chassis provides greater stability and smoother steering, making the car easier to control.

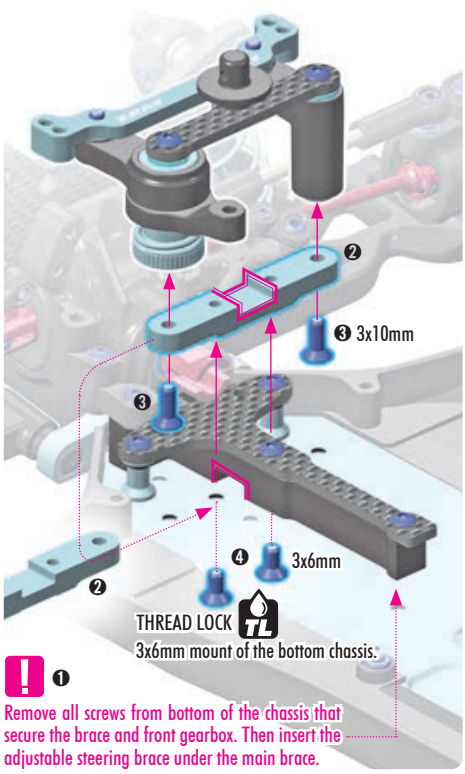


Use the kit 3x12 screws to mount the shafts from underneath the chassis.

❗ ❶ Remove all screws from bottom of the chassis that secure the brace and front gearbox. Then insert the adjustable steering brace under the main brace.

ALTERNATIVE - FLEX

Using the center mounting holes, therefore attaching the shafts only to the aluminum brace, results in more aggressive steering response.



3x6mm mount of the bottom chassis.

❗ ❶ Remove all screws from bottom of the chassis that secure the brace and front gearbox. Then insert the adjustable steering brace under the main brace.

2x L=R

RIGHT THREAD SIDE — LEFT THREAD SIDE

SLOT ORIENTATION

Thread 8mm
Ball ø5.4mm
TIP
Install with HUDY Multi Tool.

LEFT THREAD

TIP
Install with HUDY Ball Joint Wrench

RIGHT THREAD

OPTION | HUDY TITAN BALL ENDS 5.4mm | #990018 | 8mm LONG | OPTION

INITIAL SETTING
21mm

CARPET DIRT

INITIAL SETTING
21mm

4x 303122 SHIM 3x6x1

2x 960030 N M3

2x L=R LEFT = RIGHT

DIRT Edition
1mm
ASSEMBLY VIEW
Ball joint NOTE ORIENTATION
CARPET Edition
1mm
1mm
M3

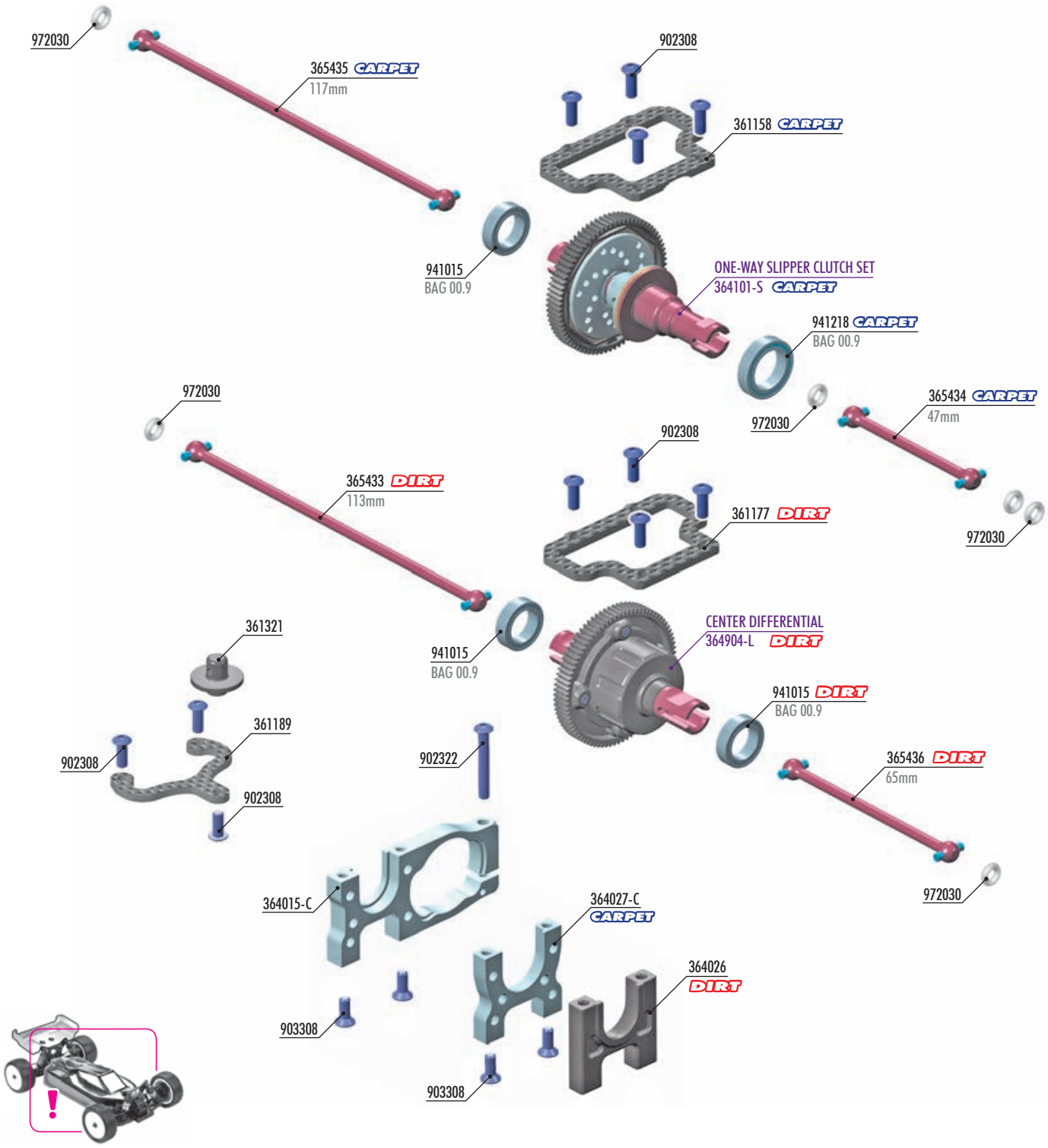
CHECK FOR FREE MOVEMENT
CHECK FOR FREE MOVEMENT

INITIAL SETTING
DIRT

INITIAL SETTING
XRAY XRAY
CARPET

COMPATIBILITY CARPET DIRT

Please note that all center transmission components are interchangeable between the Carpet and Dirt versions, but this is only applicable when the entire center transmission assembly is replaced.



BAG 12

361189	CARBON REAR BODY POST HOLDER
361321	BODY MOUNT - SHORT + SHIMS - SET
364015-C	ALU MOTOR BULKHEAD - EXTRA LOW
902308	HEX SCREW SH M3x8 (10)
902322	HEX SCREW SH M3x22 (10)
903308	HEX SCREW SFH M3x8 (10)
941015	BALL-BEARING 10x15x4 RUBBER SEALED - OIL (2)
972030	SILICONE O-RING 3x2 (10)

CARPET

361158	CARBON CENTER SLIPPER UPPER DECK - EXTRA LOW BULKHEAD
364027-C	ALU CENTER SLIPPER BULKHEAD - EXTRA LOW - SWISS 7075 T6
365434	CENTER DOGBONE DRIVE SHAFT 47mm - HUDY SPRING STEEL™
365435	CENTER DOGBONE DRIVE SHAFT 117mm - HUDY SPRING STEEL™
941218	BALL-BEARING 12x18x4 RUBBER SEALED - OIL (2)
364101-S	ONE-WAY SLIPPER CLUTCH SET - LIGHTWEIGHT & SHORT

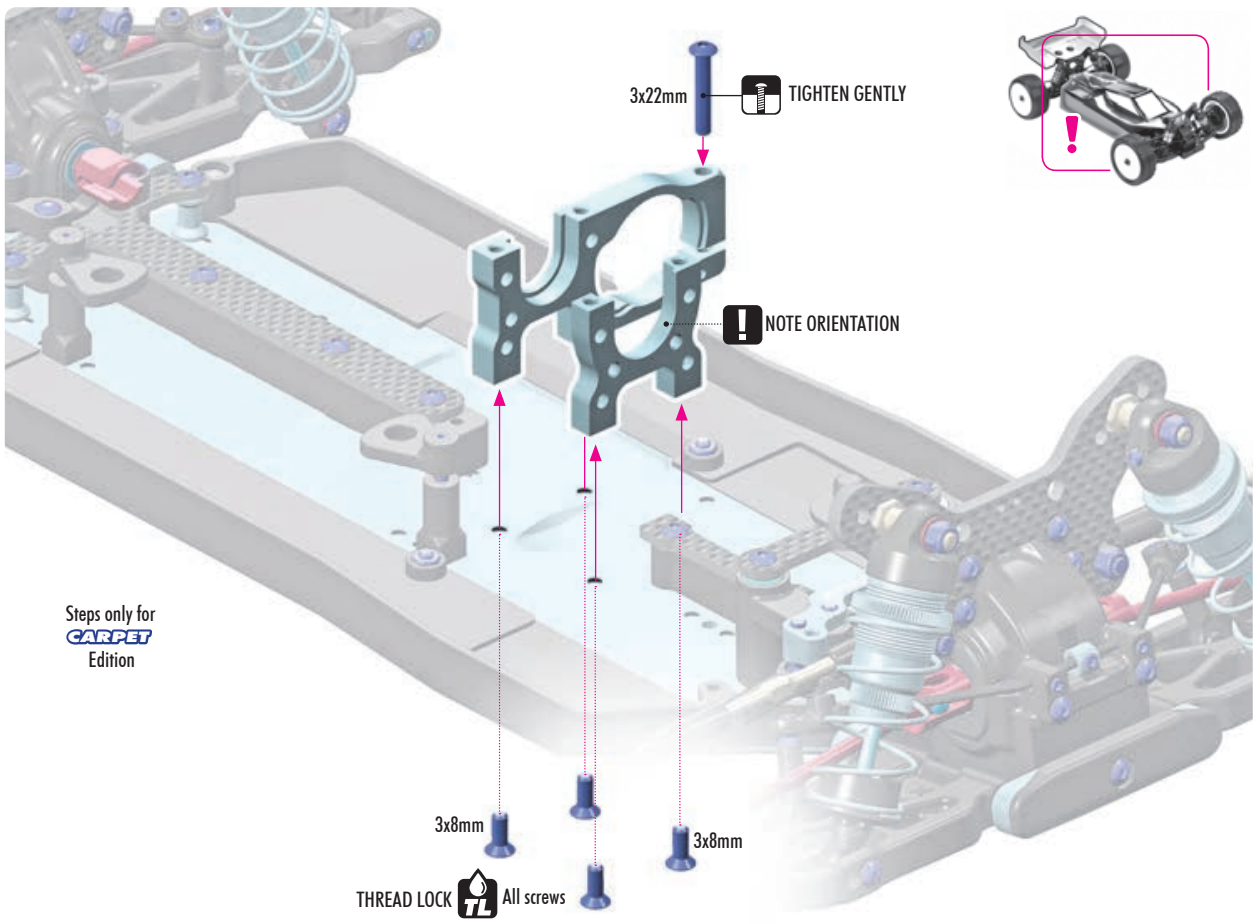
DIRT

361177	CARBON CENTER DIFFERENTIAL UPPER DECK - EXTRA LOW BULKHEAD
364026	COMPOSITE CENTER DIFFERENTIAL BULKHEAD - EXTRA LOW
365433	CENTER DOGBONE DRIVE SHAFT 113mm - HUDY SPRING STEEL™
365436	CENTER DOGBONE DRIVE SHAFT 65mm - HUDY SPRING STEEL™
364904-L	GEAR CENTER DIFFERENTIAL - LIGHTWEIGHT - SET

Numbers in parentheses ( ) refer to quantities when purchased separately.

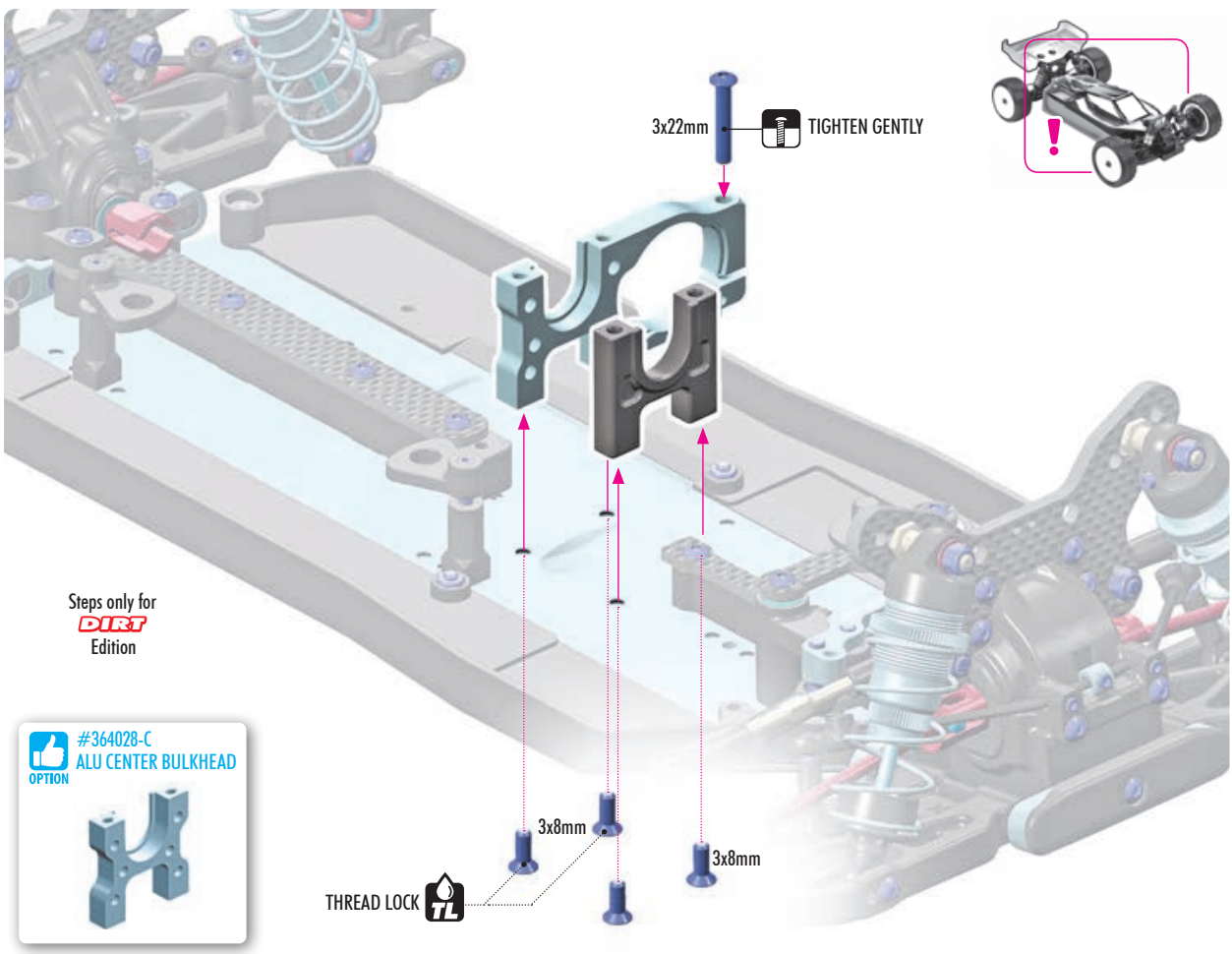
1x 902322 SH M3x22

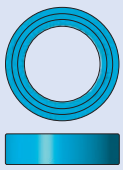
4x 903308 SFH M3x8



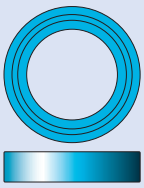
1x 902322 SH M3x22

4x 903308 SFH M3x8





1x 941015
BB 10x15x4

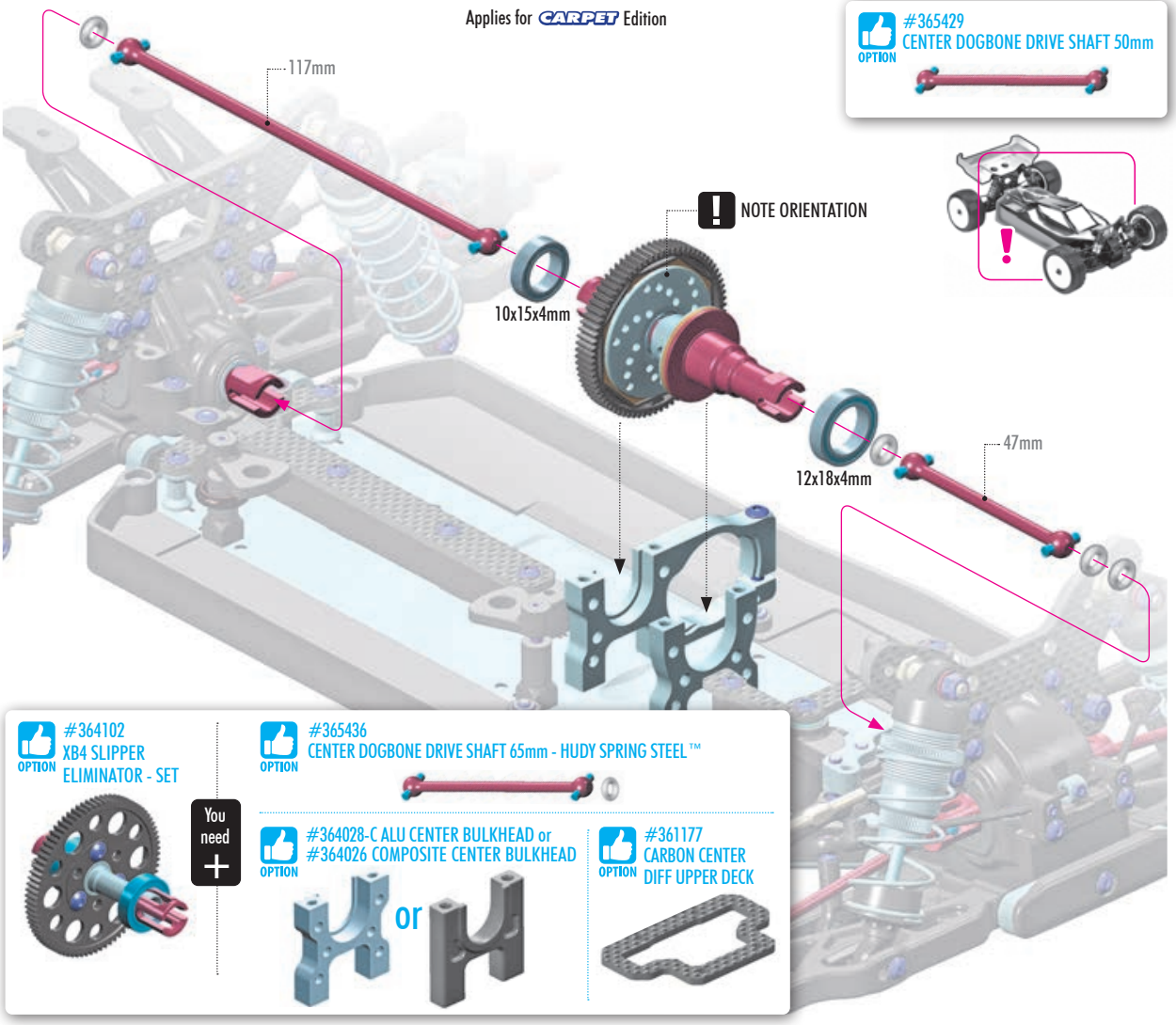


1x 941218
BB 12x18x4



4x 972030
O 3x2

Applies for CARPET Edition



OPTION #365429
CENTER DOGBONE DRIVE SHAFT 50mm

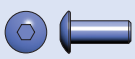
OPTION #364102
XB4 SLIPPER ELIMINATOR - SET

You need +

OPTION #365436
CENTER DOGBONE DRIVE SHAFT 65mm - HUDY SPRING STEEL™

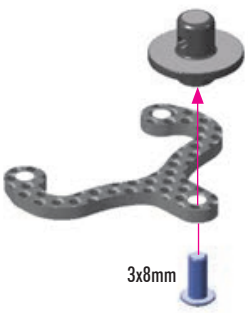
OPTION #364028-C ALU CENTER BULKHEAD or
#364026 COMPOSITE CENTER BULKHEAD

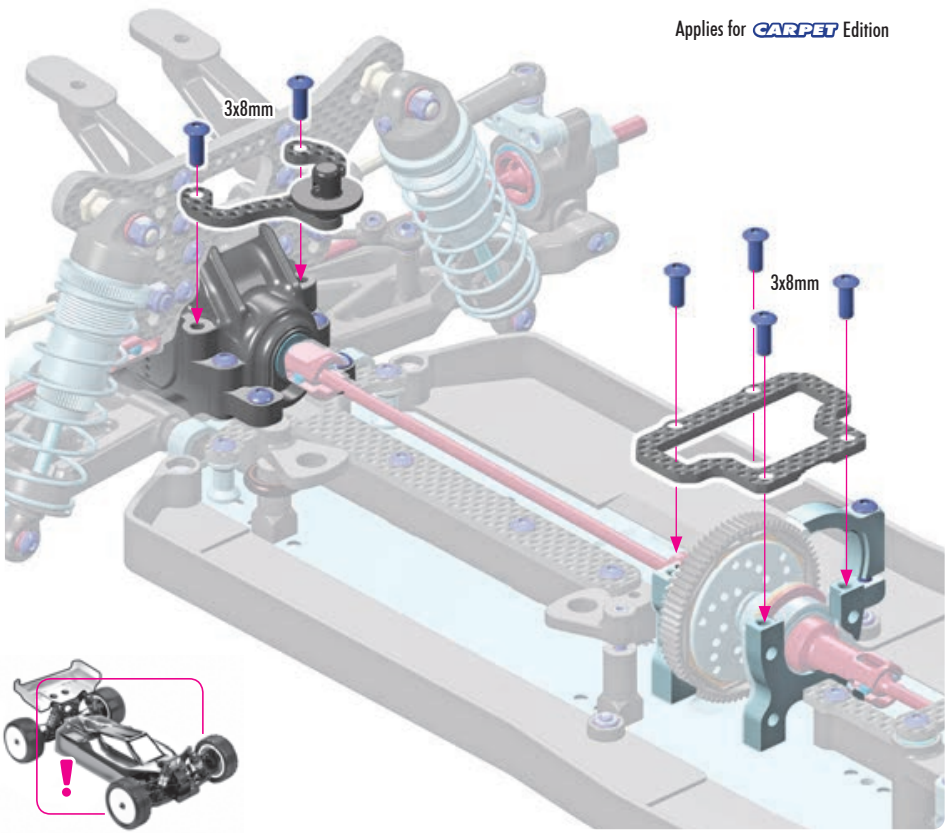
OPTION #361177
CARBON CENTER DIFF UPPER DECK



7x 902308
SH M3x8

Applies for CARPET Edition





Applies for CARPET Edition

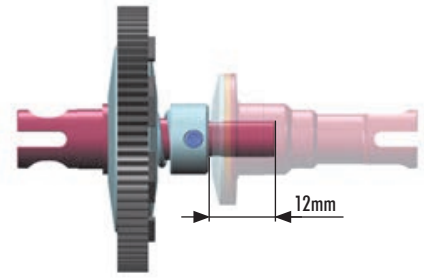
TIP CENTER SLIPPER CLUTCH ADJUSTMENT

VERY IMPORTANT!
It is very important that you NEVER FULLY TIGHTEN the Slipper Clutch. Overtightening the Slipper Clutch may result in breakage of the diff crown gear and pinion gear.

The Slipper Clutch can be adjusted by loosening the set-screw and then, while keeping the tool in the set-screw to prevent movement of the collar, rotating the spur gear by hand as indicated in the drawing.

To LOOSEN: Rotate the spur gear in the counterclockwise (CCW) direction.
- Smoother acceleration on power
- Easier to drive

To TIGHTEN: Rotate the spur gear in the clockwise (CW) direction.
- More forward drive
- Less forgiving

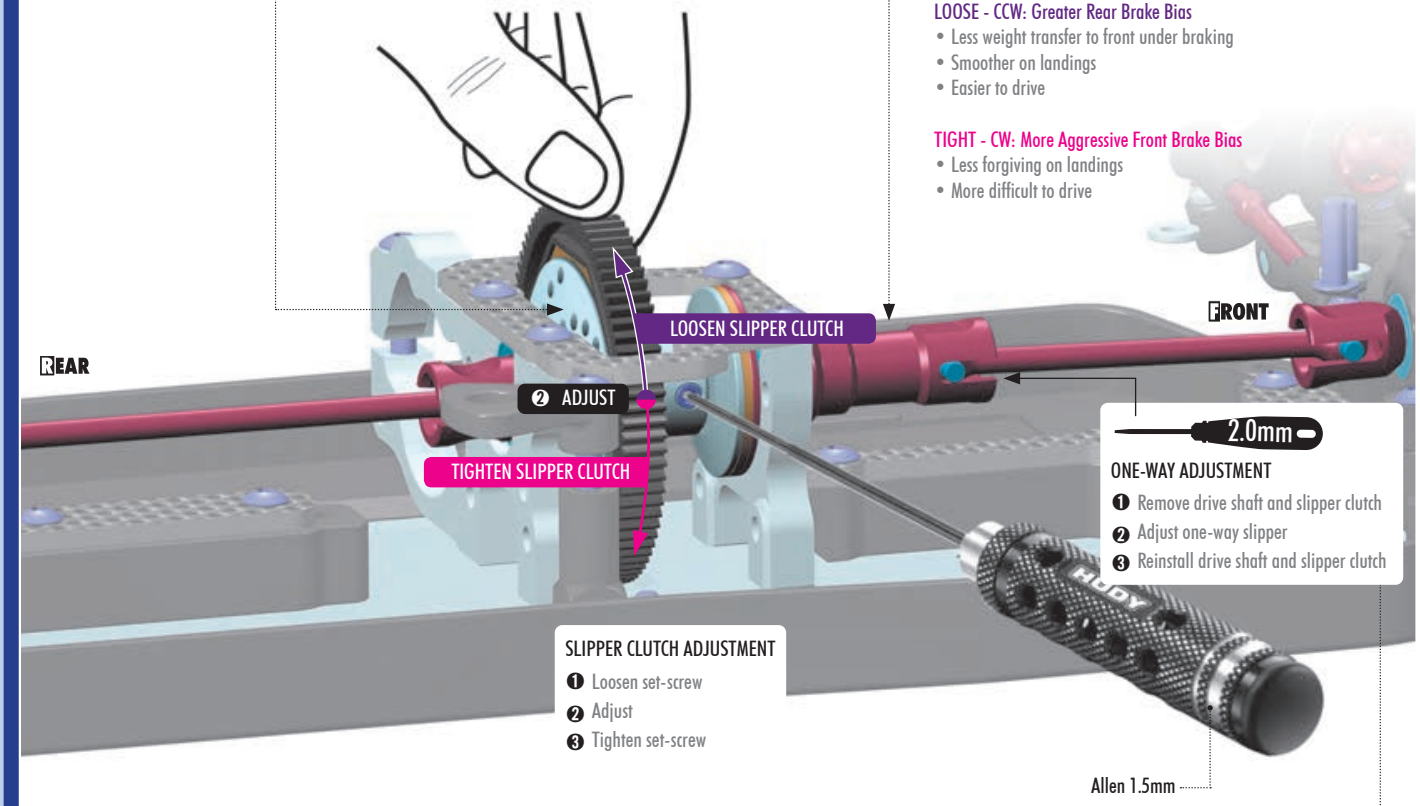


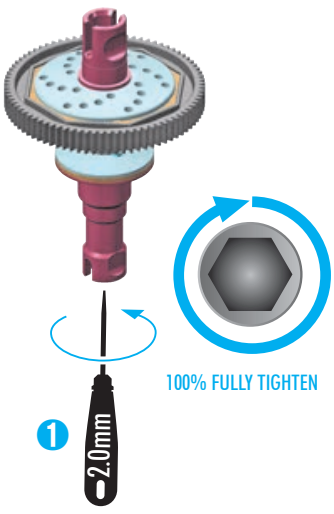
ONE-WAY SLIPPER CLUTCH ADJUSTMENT

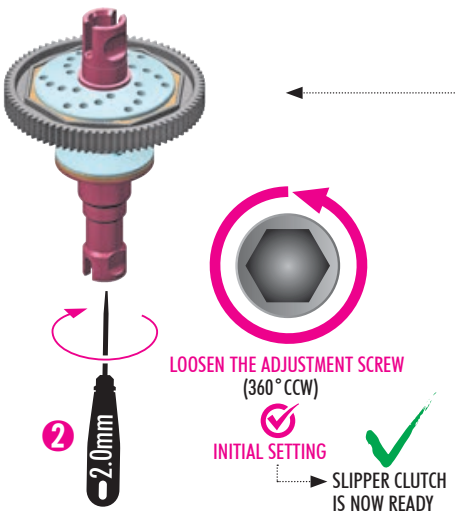
For adjusting the front one-way slipper clutch, remove the slipper assembly from car and turn the screw inside the front outdrive using a 2.0mm wrench.

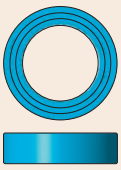
LOOSE - CCW: Greater Rear Brake Bias
- Less weight transfer to front under braking
- Smoother on landings
- Easier to drive

TIGHT - CW: More Aggressive Front Brake Bias
- Less forgiving on landings
- More difficult to drive







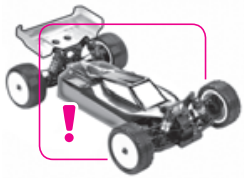


2x 941015
BB 10x15x4



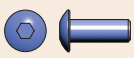
2x 972030
O 3x2

Applies for DIRT Edition

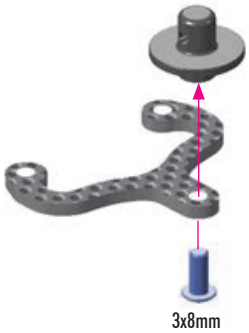


OPTION #364102
XB4 SLIPPER ELIMINATOR - SET

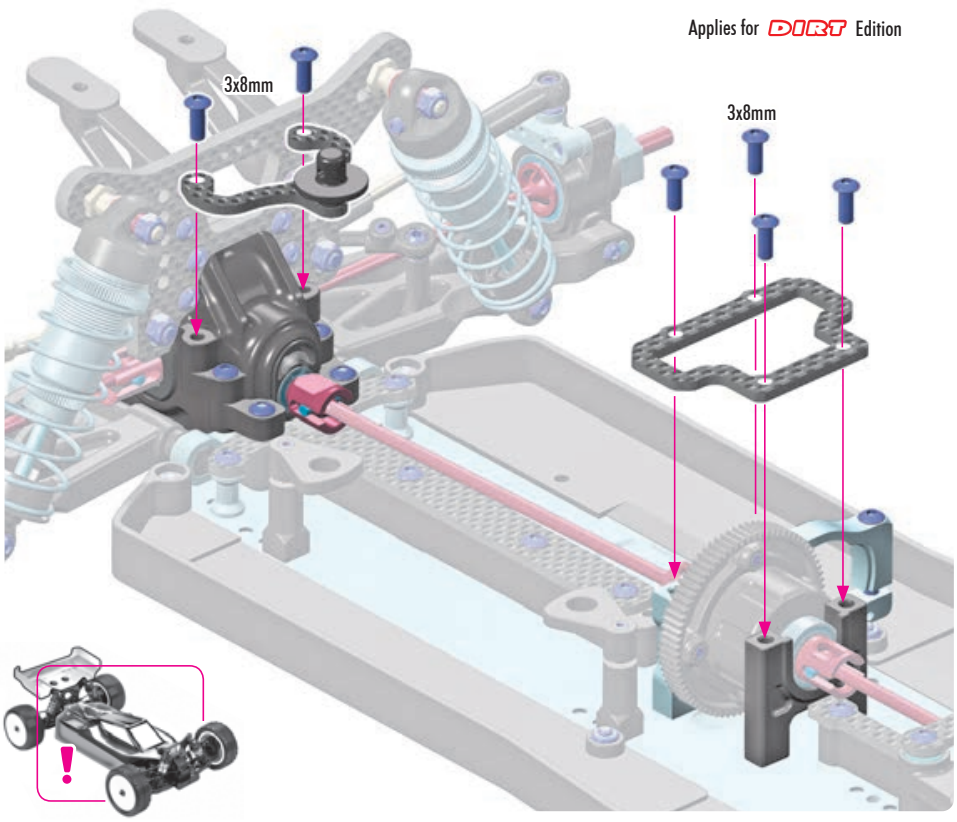
Applies for DIRT Edition

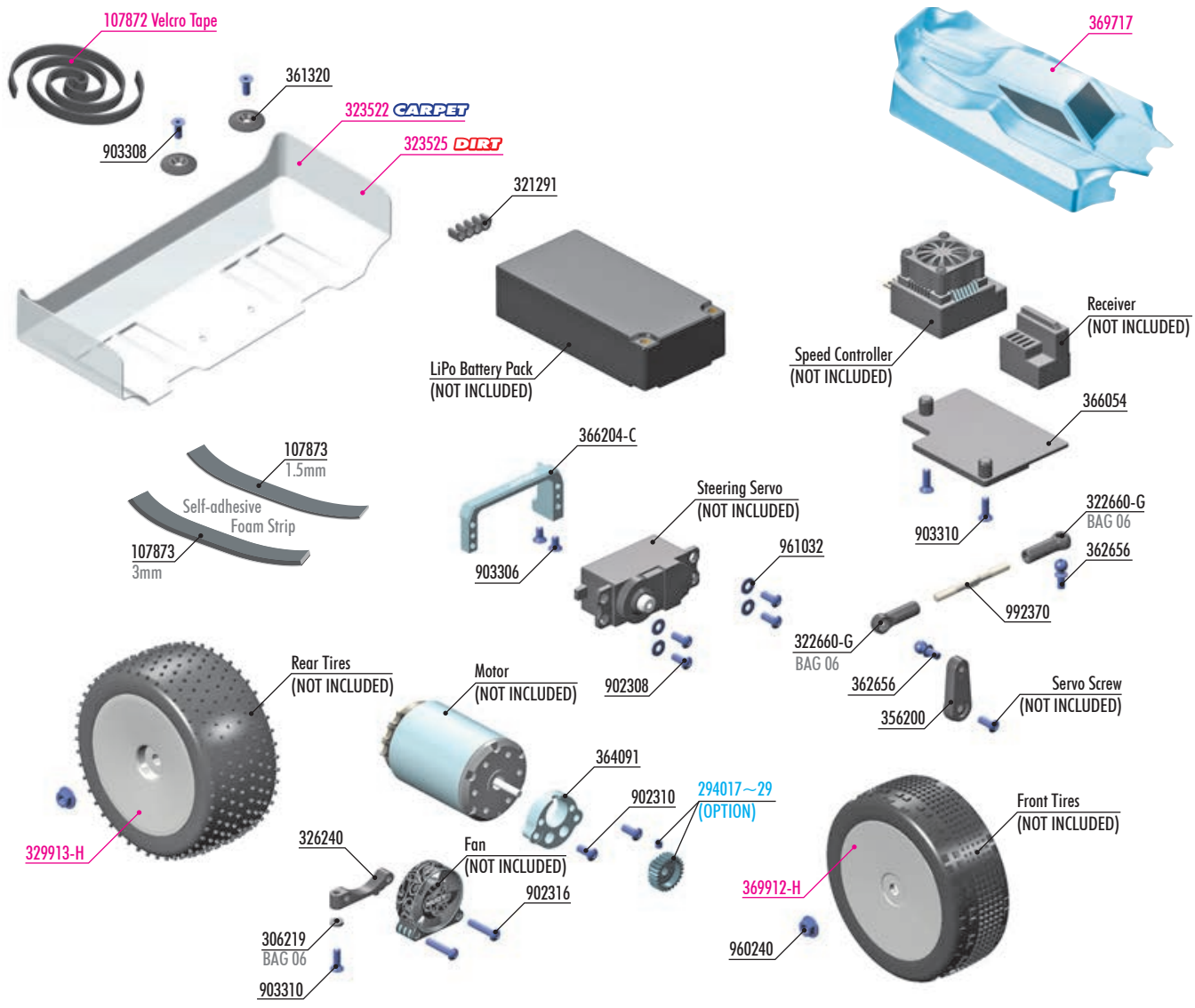


7x 902308
SH M3x8



Applies for DIRT Edition





BAG 13

294017~365729 PINION GEAR HARDCOATED 17~38T/48P (OPTION)
369713 BODY FOR 1/10 4WD OFF-ROAD BUGGY - DELTA 4C - LIGHT (OPTION)
107873 HUDY BUMPER & BODY SPACE SPONGE SET
306219 COMPOSITE SET OF SERVO SHIMS (4)
321291 COMPOSITE 5-WIRES HOLDER - SET
322660-G COMPOSITE BALL JOINT 5.4mm (12+1+1) - GRAPHITE
326240 COMPOSITE FAN HOLDER
356200 BRAKE/THROTTLE ARMS & STEERING SERVO ARMS - SET
361320 BODY MOUNT, BATTERY MOUNT - V2 & WING SHIM (2)
362656 BALL END 5.4mm WITH THREAD 6mm (2)
364091 ALU ECCENTRIC INSERT FOR NARROW MOTOR BULKHEAD
366054 COMPOSITE RADIO PLATE - SHORT
366204-C ALU MONOBLOCK SERVO HOLDER - SWISS 7075 T6
369717 BODY FOR 1/10 4WD OFF-ROAD BUGGY - EPSILON 4D - LIGHT
992370 HUDY TITANIUM ADJUSTABLE TURNBUCKLE 40mm M3.5 L/R (2)

902308 HEX SCREW SH M3x8 (10)
902310 HEX SCREW SH M3x10 (10)
902316 HEX SCREW SH M3x16 (10)
903306 HEX SCREW SFH M3x6 (10)
903308 HEX SCREW SFH M3x8 (10)
903310 HEX SCREW SFH M3x10 (10)
961032 WASHER S 3.2 (10)
960240 NUT M4 WITH SERRATED FLANGE (10)

CARPET
323522 LEXAN REAR WING - LUSH

DIRT
323525 LEXAN REAR WING - LUSH - WIDE

107872 VELCRO TAPE WITH DOUBLE SIDED TAPE 8x500mm
329913-H REAR WHEEL AERODISK WITH 12mm HEX IFMAR - WHITE - HARD (2)
369912-H FRONT WHEEL AERODISK WITH 12mm HEX IFMAR - WHITE - HARD (2)

Included only in CARPET Edition



BAG 13.1

XB4 FINAL SHOCK ASSEMBLY SET CARPET

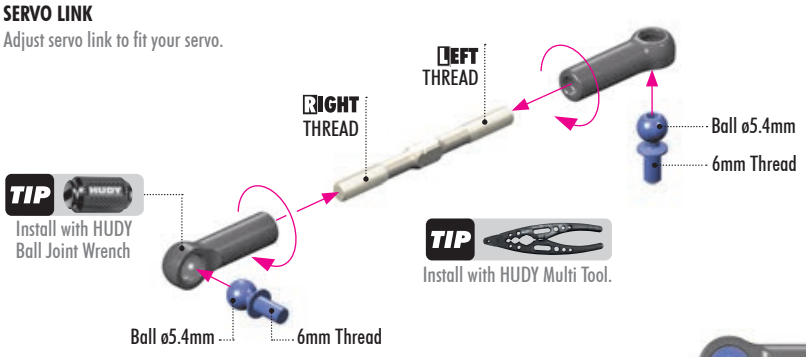
322051 COMPOSITE FRONT SHOCK TOWER INSERT (2)
363519 LEXAN FRONT WING

902255 HEX SCREW SH M2.5x5 (10)
961025 WASHER S 2.5 (10)

Numbers in parentheses ( ) refer to quantities when purchased separately.

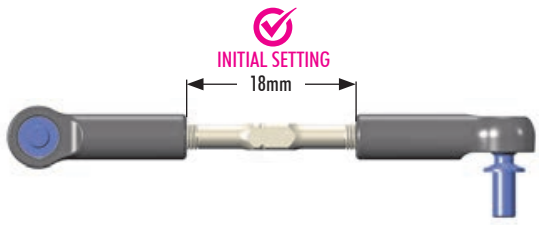
SERVO LINK

Adjust servo link to fit your servo.



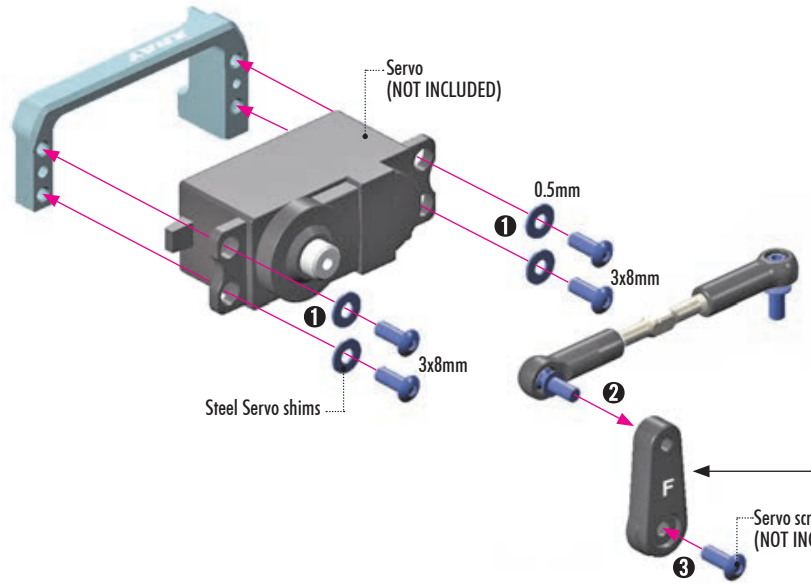
OPTION

HUDY TITAN BALL ENDS 5.4mm		
#990016	6mm LONG	OPTION



4x 902308 SH M3x8

4x 961032 SHIM S 3.2



OPTION

HUDY ALU SERVO HORNS	
#293497	23T
#293498	24T
#293499	25T

OPTION

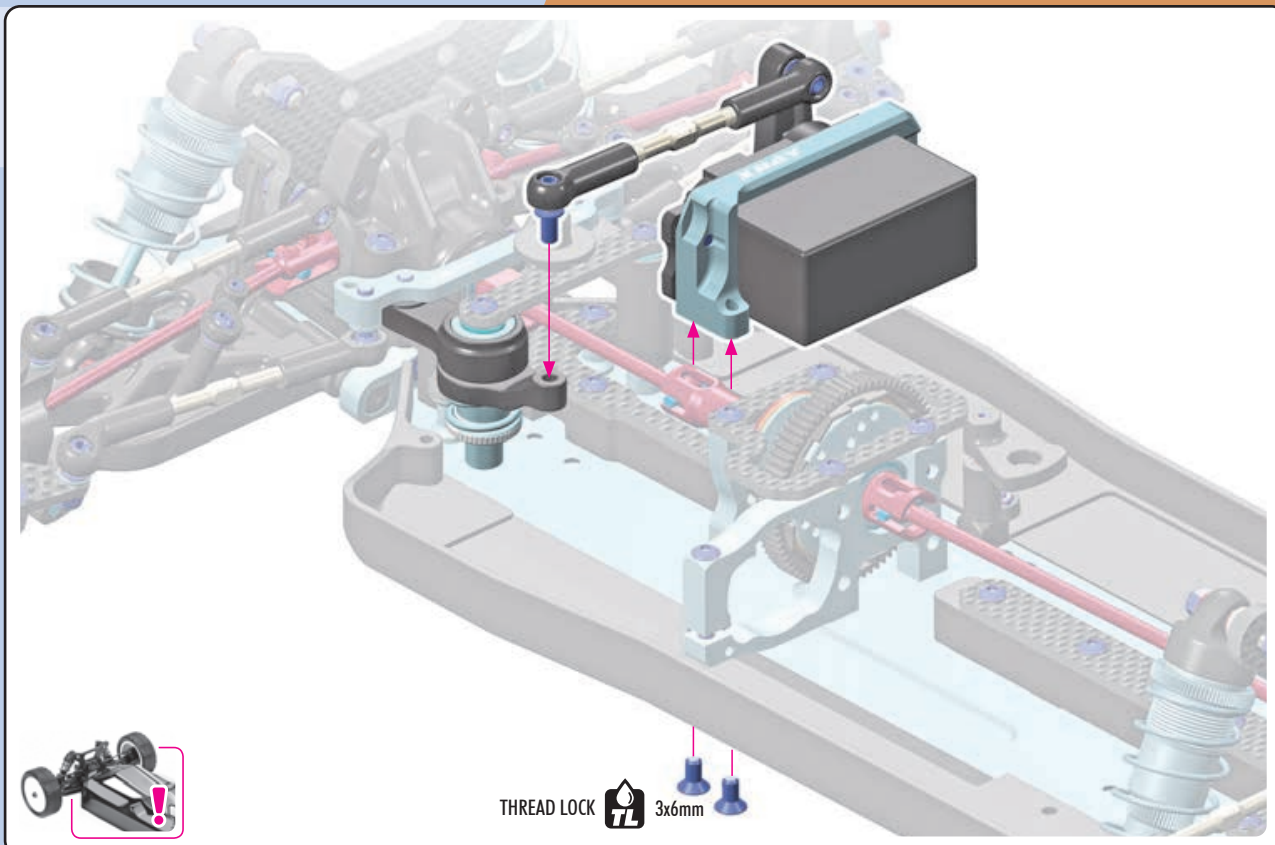
HUDY CLAMP ALU SERVO HORNS	
#293404	23T
#293405	24T
#293406	25T

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

USE APPROPRIATE SERVO ARM:

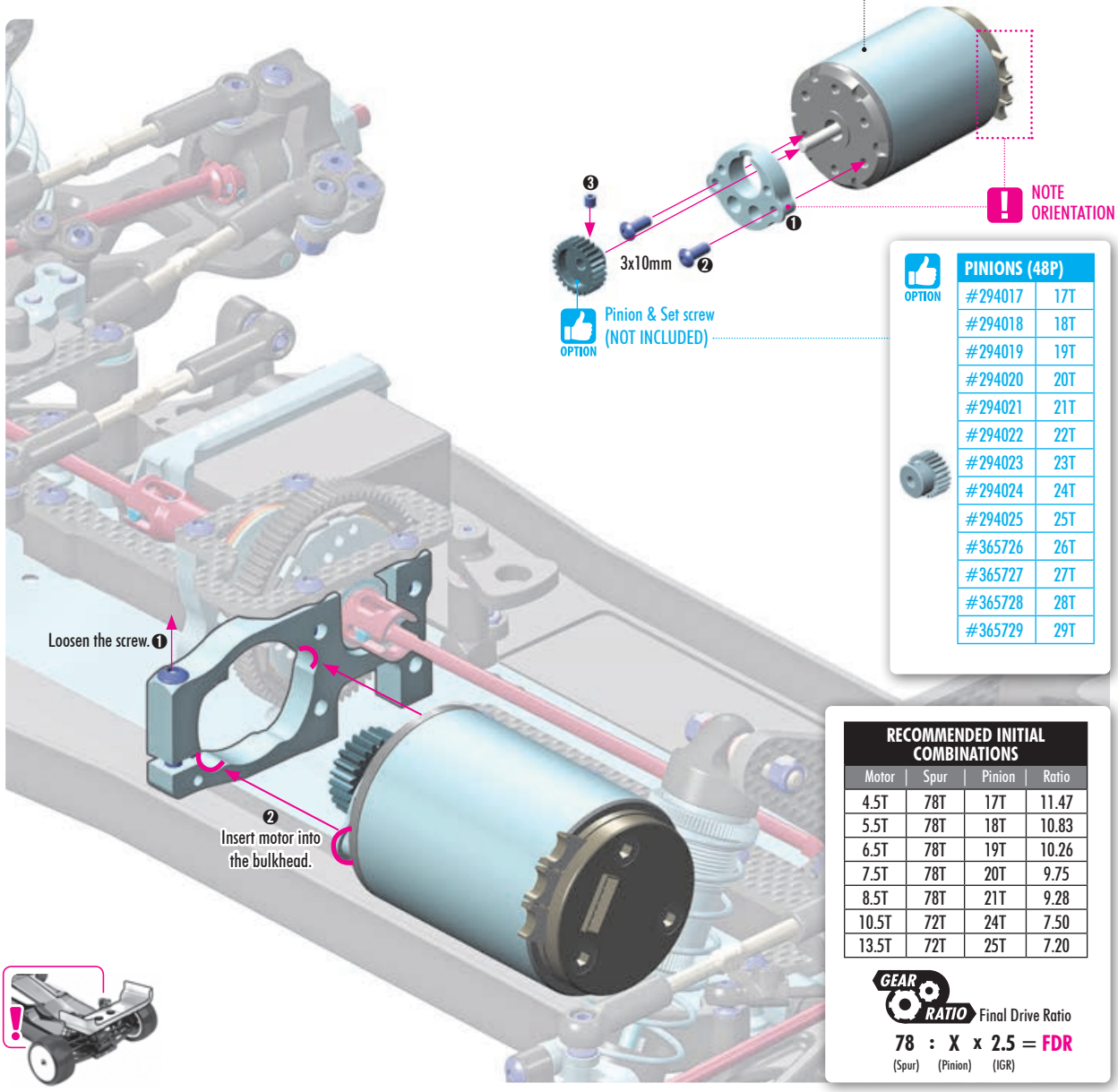


2x 903306 SFH M3x6





2x 902310 SH M3x10



PINIONS (48P)	
#294017	17T
#294018	18T
#294019	19T
#294020	20T
#294021	21T
#294022	22T
#294023	23T
#294024	24T
#294025	25T
#365726	26T
#365727	27T
#365728	28T
#365729	29T

RECOMMENDED INITIAL COMBINATIONS

Motor	Spur	Pinion	Ratio
4.5T	78T	17T	11.47
5.5T	78T	18T	10.83
6.5T	78T	19T	10.26
7.5T	78T	20T	9.75
8.5T	78T	21T	9.28
10.5T	72T	24T	7.50
13.5T	72T	25T	7.20

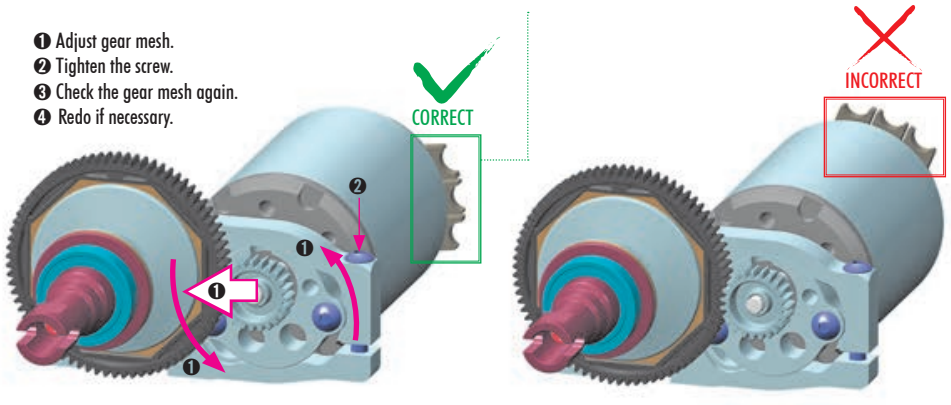
GEAR RATIO Final Drive Ratio

78 : X x 2.5 = FDR
(Spur) (Pinion) (IGR)

GEAR MESH

❶ Adjust gear mesh.
❷ Tighten the screw.
❸ Check the gear mesh again.
❹ Redo if necessary.

Note orientation of the motor soldering tabs to install cables as low as possible.



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.

1x 306219 SHIM 3x6x2

2x 902316 SH M3x16

3x 903310 SFH M3x10

Speed Controller (NOT INCLUDED)

OPTION #107876 HUDY ULTRA THIN DOUBLE-SIDED TAPE - SINGLE STRIP (5)

OPTION #107875 DOUBLE-SIDED TAPE

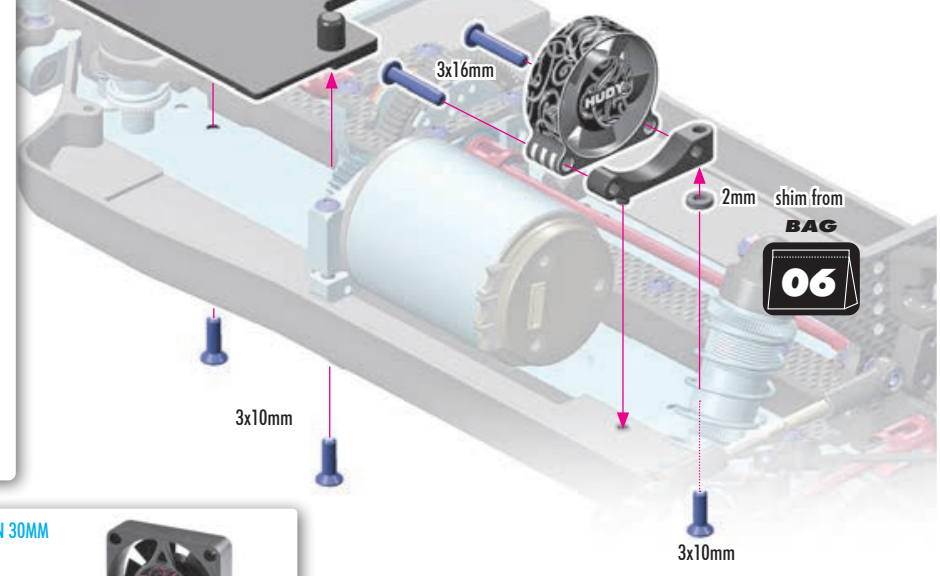


OPTION #293101 HUDY ALU RC FAN 30MM SIDE MOUNT 2 HOLE



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

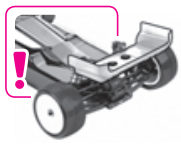




OPTION #293110 HUDY BRUSHLESS RC FAN 30MM WITH EXTERNAL SOLDERING TABS

OPTION #293112 HUDY BRUSHLESS RC FAN 30MM WITH INTERNAL SOLDERING TABS





OPTION #293081 HUDY PURE TUNGSTEN WEIGHT 5g

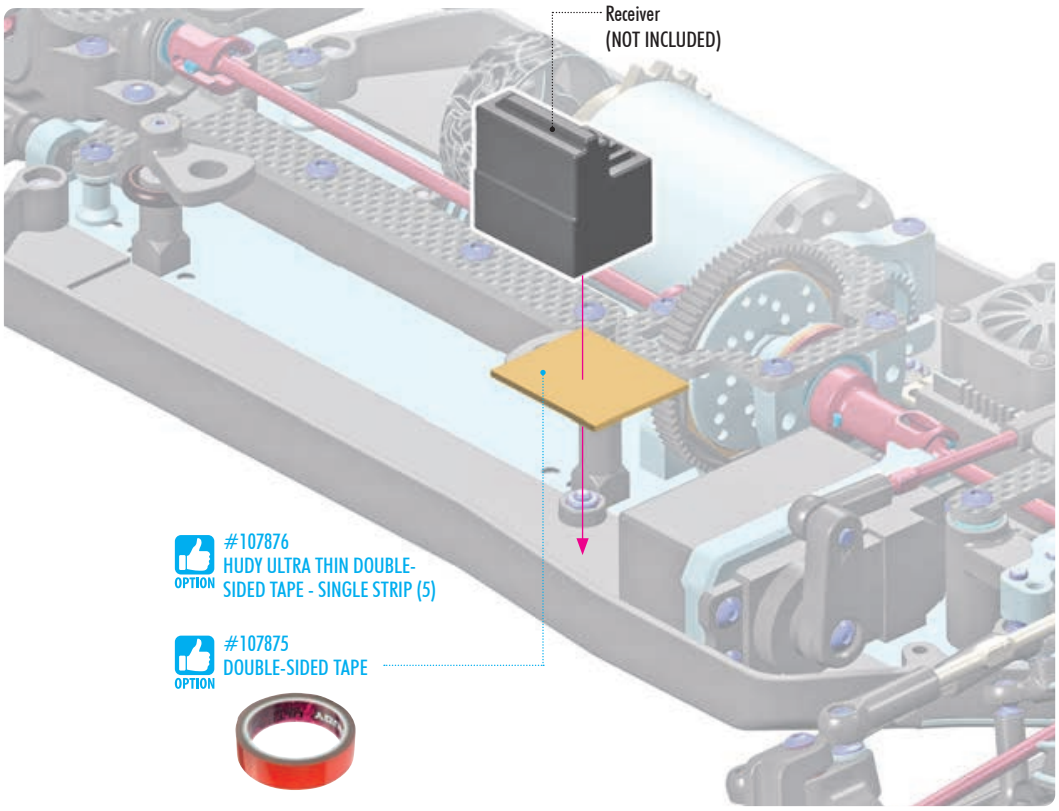


OPTION #293082 HUDY PURE TUNGSTEN WEIGHT 10g



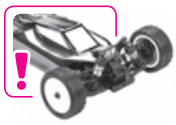
OPTION #293083 HUDY PURE TUNGSTEN WEIGHT 15g

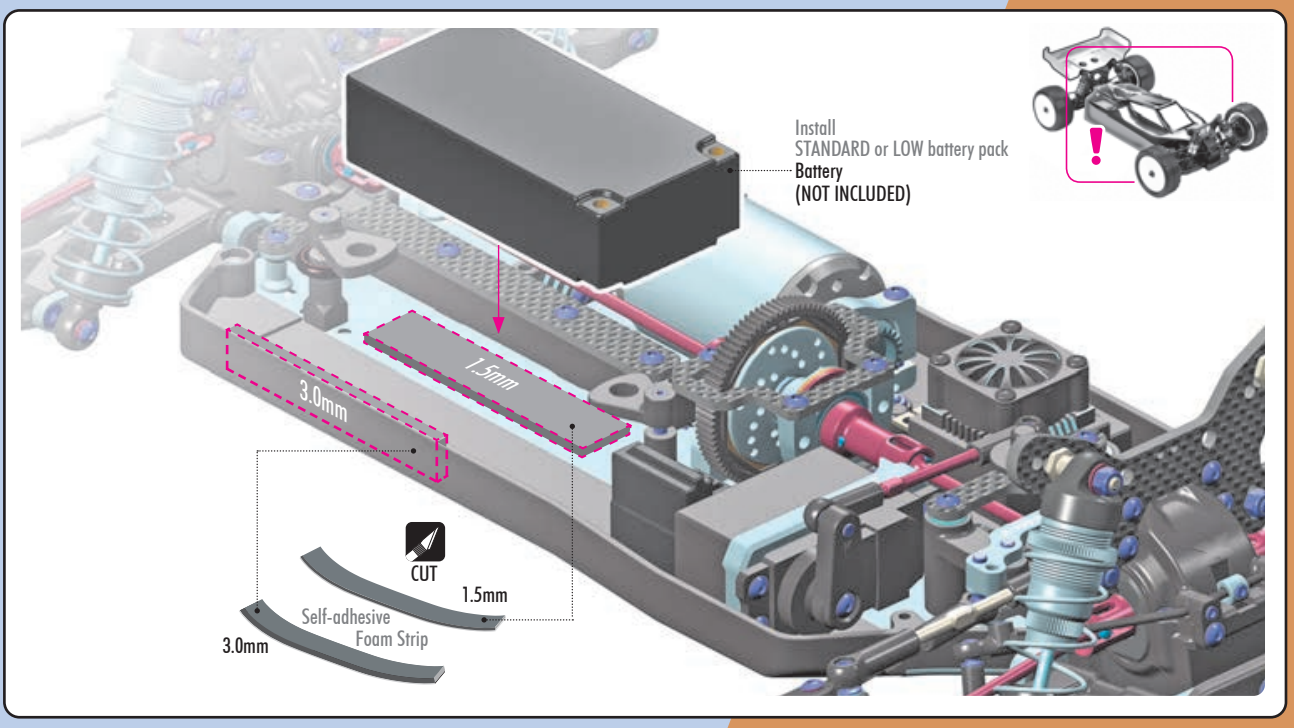




OPTION #107876 HUDY ULTRA THIN DOUBLE-SIDED TAPE - SINGLE STRIP (5)

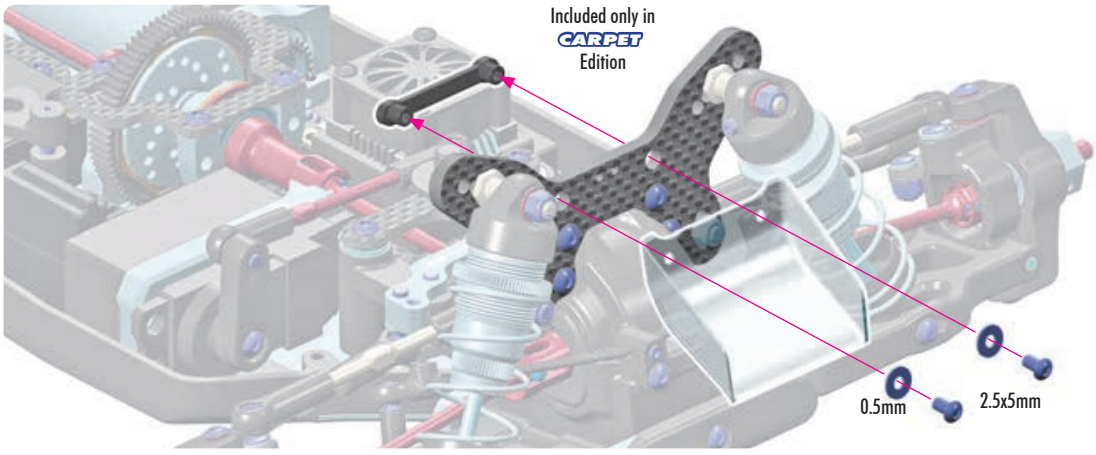
OPTION #107875 DOUBLE-SIDED TAPE



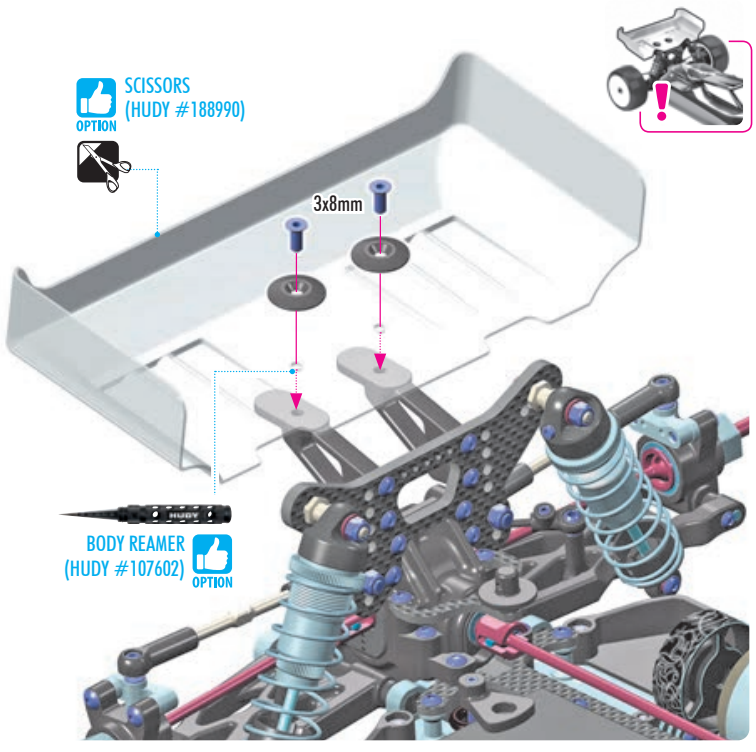


2x 961025 S 2.5

2x 902255 SH M2.5x5



2x 903308 SFH M3x8



OPTION #323560 CARBON REAR WING SHIM



OPTION

XRAY LEXAN REAR WINGS			
#323510	1.0mm		OPTION
#323511	1.5mm		OPTION
#323513	1.0mm	RANK	OPTION
#323517	1.0mm	TEC	OPTION
#323522	Std.	LUSH	INCLUDED
#323523	Thick	LUSH	OPTION
#323525	Std.	LUSH WIDE	INCLUDED
#323526	Thick	LUSH WIDE	OPTION
#363510	1.0mm		OPTION
#363511	1.5mm		OPTION
#363512	2.0mm		OPTION
XRAY LEXAN CENTER FIN			
#323515	1.0mm	ZAP	OPTION



OPTION

REAR WING SHIMS		
#293561	SILVER	OPTION
#293561-O	ORANGE	OPTION
#293561-K	BLACK	OPTION



❶ 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.

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

❸ Mask all windows.

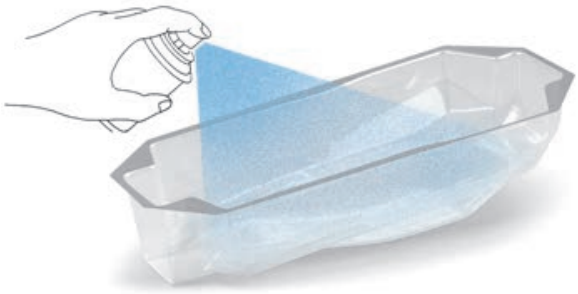
❹ Apply paint masks as appropriate.

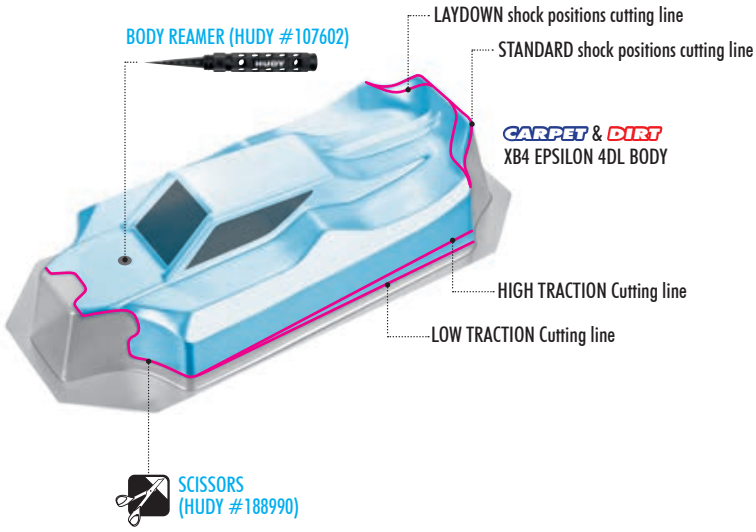
❺ Paint the body using paints formulated for polycarbonate bodies.

❻ When the paint is dry, remove the masking.

❼ Carefully cut out the body using appropriate scissors or cutting tools.

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





OPTION

XRAY LEXAN BODY			
#369712	THICK	DELTA 4C	OPTION
#369713	THIN	DELTA 4CL	OPTION
#369714	THICK	DELTA 4D	OPTION
#369715	THIN	DELTA 4DL	OPTION
#369716	THICK	EPSILON 4D	OPTION
#369717	THIN	EPSILON 4DL	INCLUDED



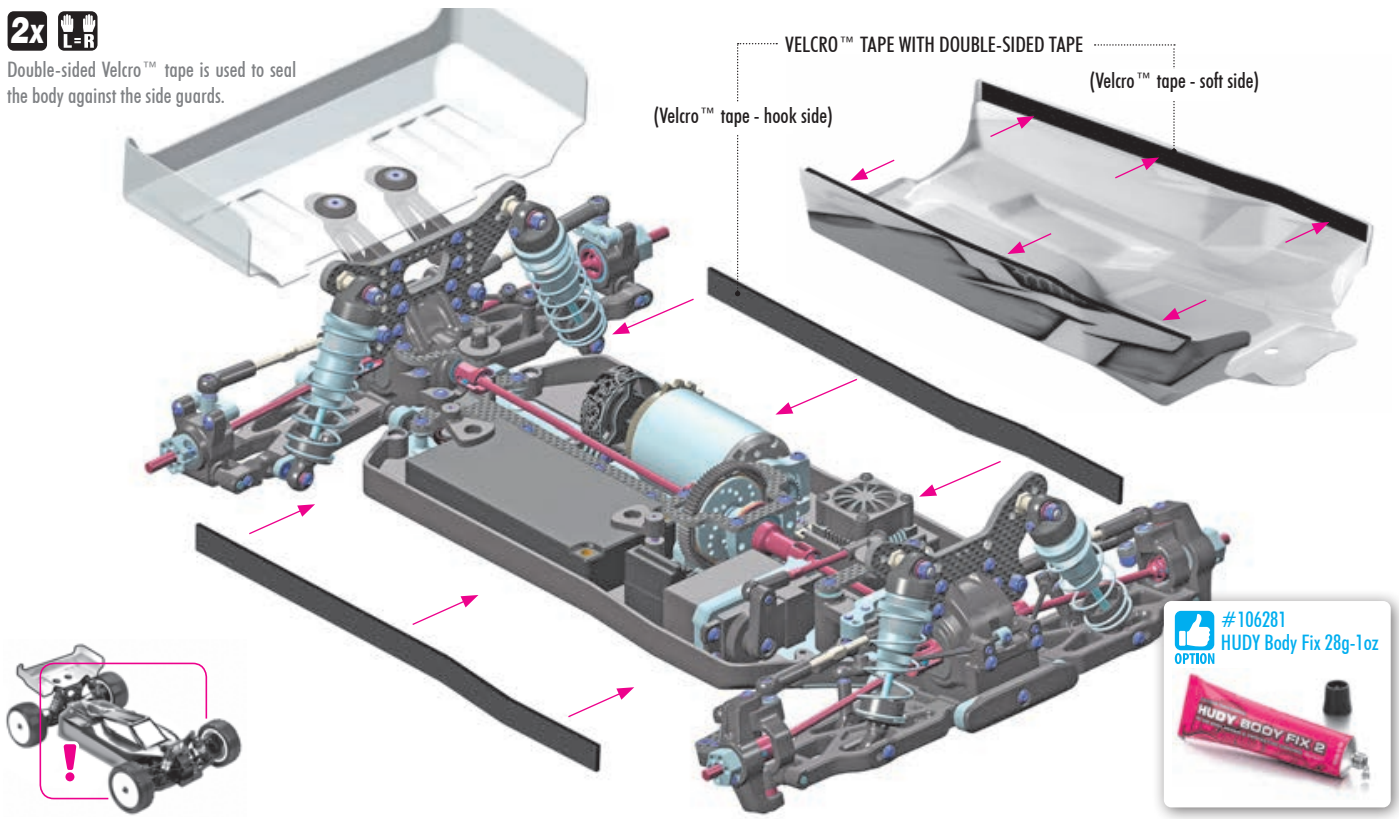
OPTION

#209240
HUDY BODY POST HOLE PROTECTOR VINYL STICKER 7x16x0.5mm (8)



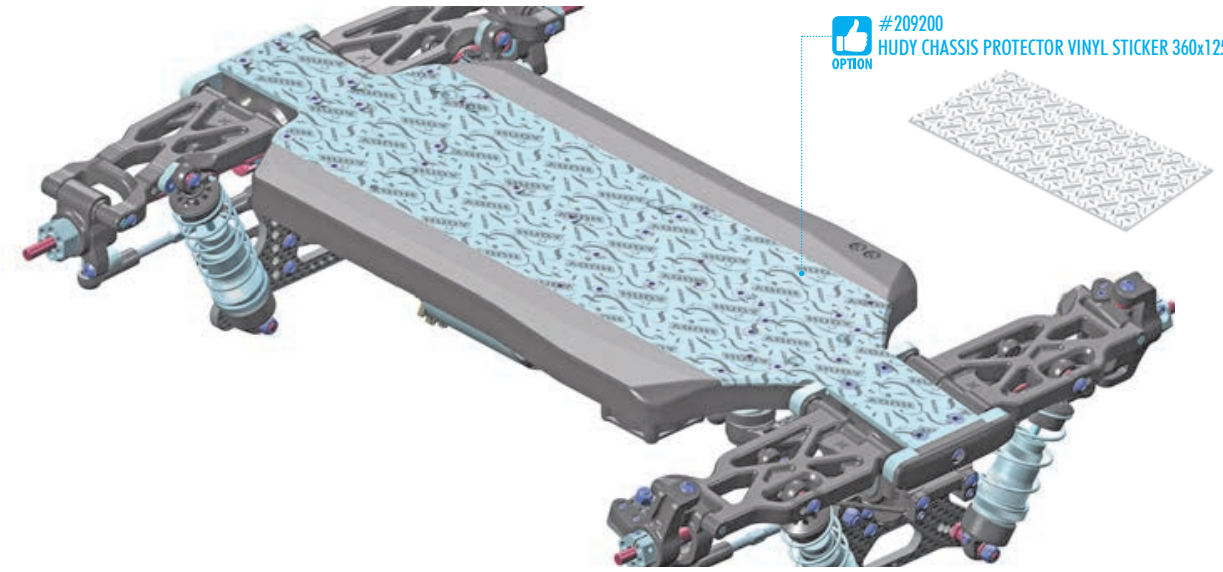
2x L=R

Double-sided Velcro™ tape is used to seal the body against the side guards.

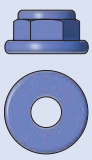


OPTION

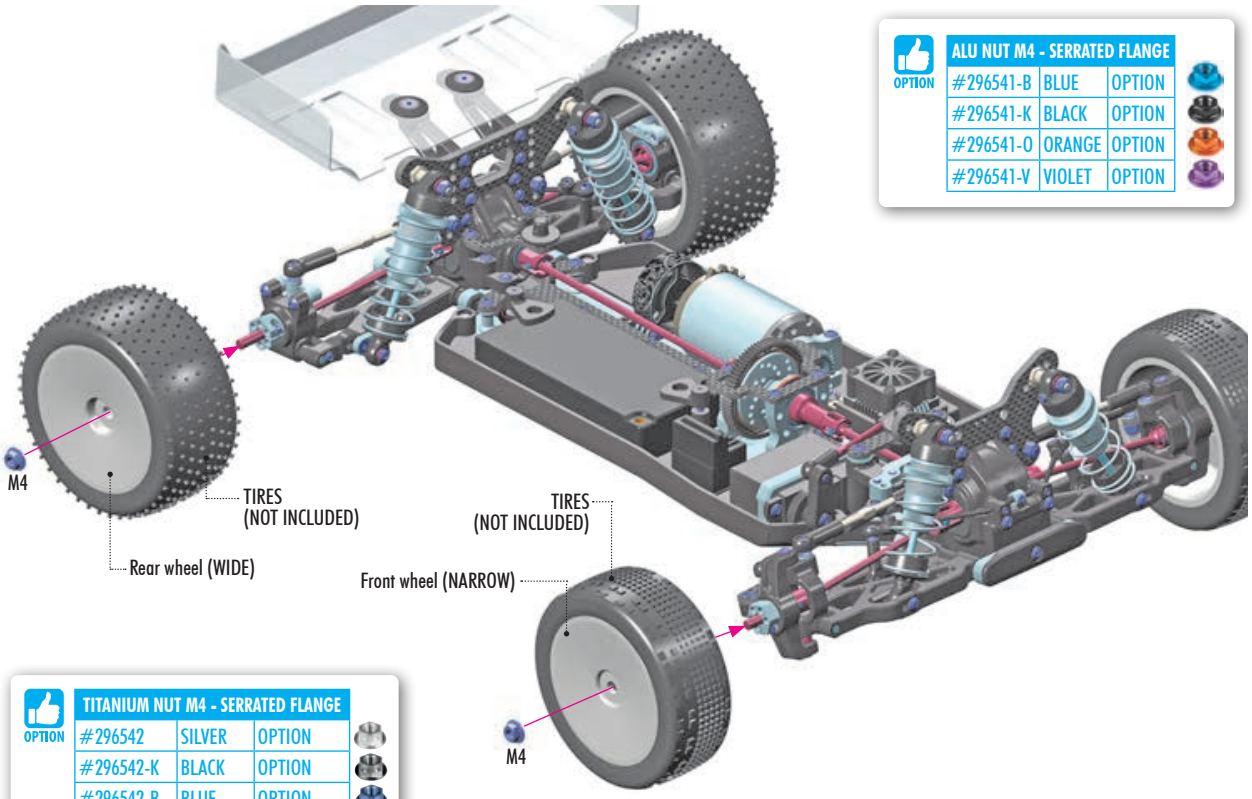
#106281
HUDY Body Fix 28g-1oz



OPTION #209200
HUDY CHASSIS PROTECTOR VINYL STICKER 360x125MM



4x 960240
N M4



OPTION

ALU NUT M4 - SERRATED FLANGE		
#296541-B	BLUE	OPTION
#296541-K	BLACK	OPTION
#296541-O	ORANGE	OPTION
#296541-V	VIOLET	OPTION

OPTION

TITANIUM NUT M4 - SERRATED FLANGE		
#296542	SILVER	OPTION
#296542-K	BLACK	OPTION
#296542-B	BLUE	OPTION
#296542-G	GREEN	OPTION
#296542-Y	GOLD	OPTION
#296542-V	VIOLET	OPTION
#296542-C	RAINBOW	OPTION

OPTION

XRAY FRONT AERODISK WHEELS 12mm				
#369902-H	HARD	WHITE	10pcs	OPTION
#369912-H	HARD	WHITE	2pcs	INCLUDED
#369912-Y	HARD	YELLOW	2pcs	OPTION



OPTION

XRAY REAR AERODISK WHEELS 12mm				
#329901-H	HARD	WHITE	10pcs	OPTION
#329913-H	HARD	WHITE	2pcs	INCLUDED



HUDY FRONT AERODISK WHEELS

OPTION

803230	HUDY 1/10 OFF-ROAD WHEEL - 4WD FRONT WHITE (2)
803230-G	HUDY 1/10 OFF-ROAD WHEEL - 4WD FRONT GREEN (2)
803230-O	HUDY 1/10 OFF-ROAD WHEEL - 4WD FRONT ORANGE (2)
803230-Y	HUDY 1/10 OFF-ROAD WHEEL - 4WD FRONT YELLOW (2)
803231	HUDY 1/10 OFF-ROAD WHEEL - 4WD FRONT WHITE (10)
803231-G	HUDY 1/10 OFF-ROAD WHEEL - 4WD FRONT GREEN (10)
803231-O	HUDY 1/10 OFF-ROAD WHEEL - 4WD FRONT ORANGE (10)
803231-Y	HUDY 1/10 OFF-ROAD WHEEL - 4WD FRONT YELLOW (10)

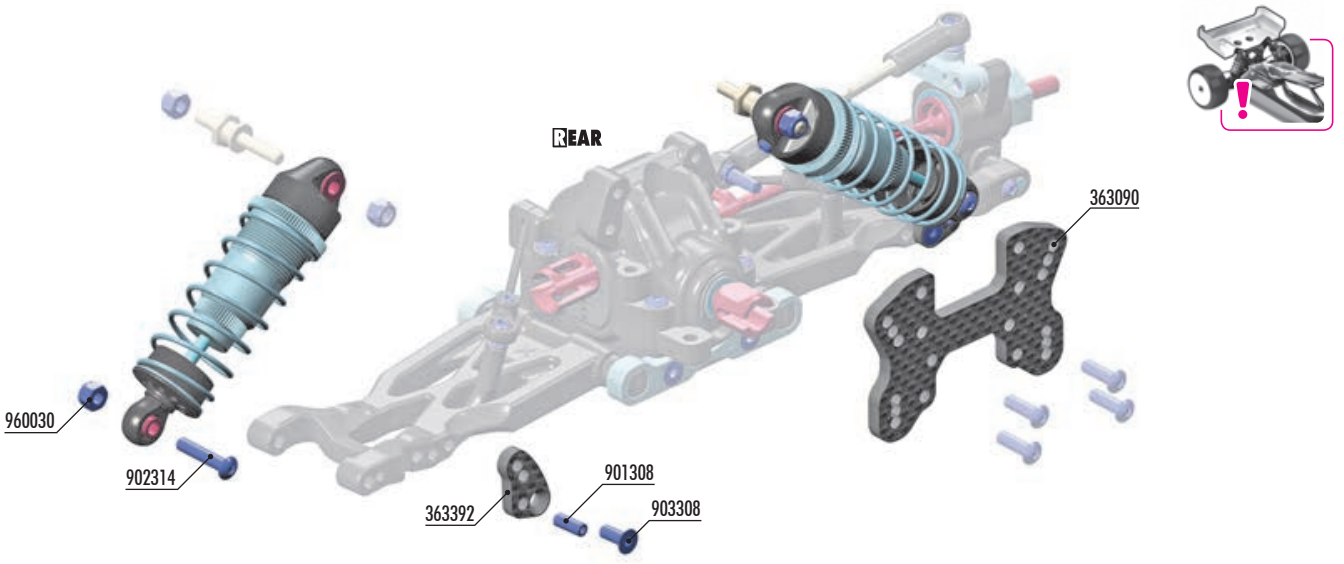
HUDY REAR AERODISK WHEELS

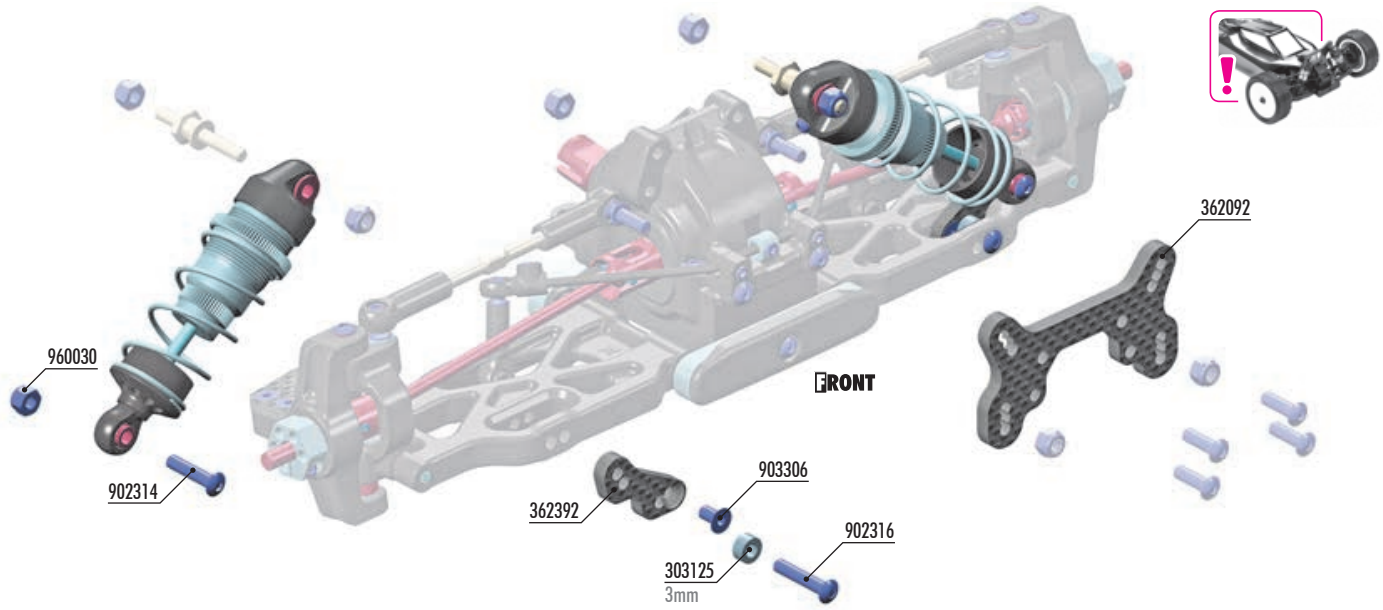
OPTION

803240	HUDY 1/10 OFF-ROAD WHEEL - 2WD/4WD REAR WHITE (2)
803240-G	HUDY 1/10 OFF-ROAD WHEEL - 2WD/4WD REAR GREEN (2)
803240-O	HUDY 1/10 OFF-ROAD WHEEL - 2WD/4WD REAR ORANGE (2)
803240-Y	HUDY 1/10 OFF-ROAD WHEEL - 2WD/4WD REAR YELLOW (2)
803241	HUDY 1/10 OFF-ROAD WHEEL - 2WD/4WD REAR WHITE (10)
803241-G	HUDY 1/10 OFF-ROAD WHEEL - 2WD/4WD REAR GREEN (10)
803241-O	HUDY 1/10 OFF-ROAD WHEEL - 2WD/4WD REAR ORANGE (10)
803241-Y	HUDY 1/10 OFF-ROAD WHEEL - 2WD/4WD REAR YELLOW (10)

04.1 LAYDOWN SHOCK MOUNTING

CARPET DIRT





BAG 04.1

303125	ALU SHIM 3x6x3.0mm (10)
362092	CARBON SHOCK TOWER LSM - FRONT
362392	CARBON FRONT SHOCK ABSORBER ADAPTER LSM (1+1)
363090	CARBON SHOCK TOWER LSM - REAR
363392	CARBON REAR SHOCK ABSORBER ADAPTER LSM (1+1)
901308	HEX SCREW SB M3x8 (10)
902314	HEX SCREW SH M3x14 (10)
902316	HEX SCREW SH M3x16 (10)
903306	HEX SCREW SFH M3x6 (10)
903308	HEX SCREW SFH M3x8 (10)
960030	NUT M3 (10)

2x 901308 SB M3x8

2x 903308 SFH M3x8

4x 902310 SH M3x10

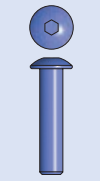
2x 960030 N M3





04.1 LAYDOWN SHOCK MOUNTING

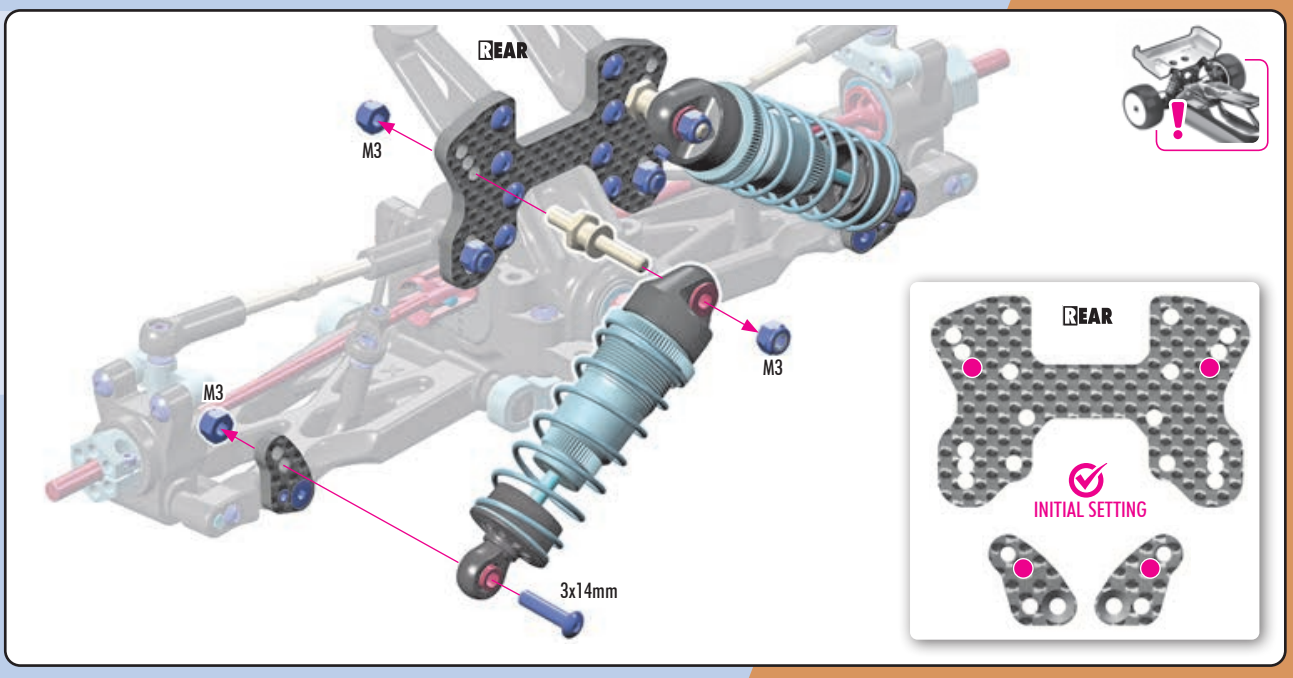
CARPET DIRT



2x 902314
SH M3x14

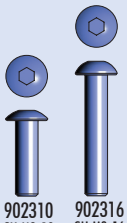


6x 960030
N M3





2x 303125
SHIM 3x6x3



902310
SH M3x10
4x

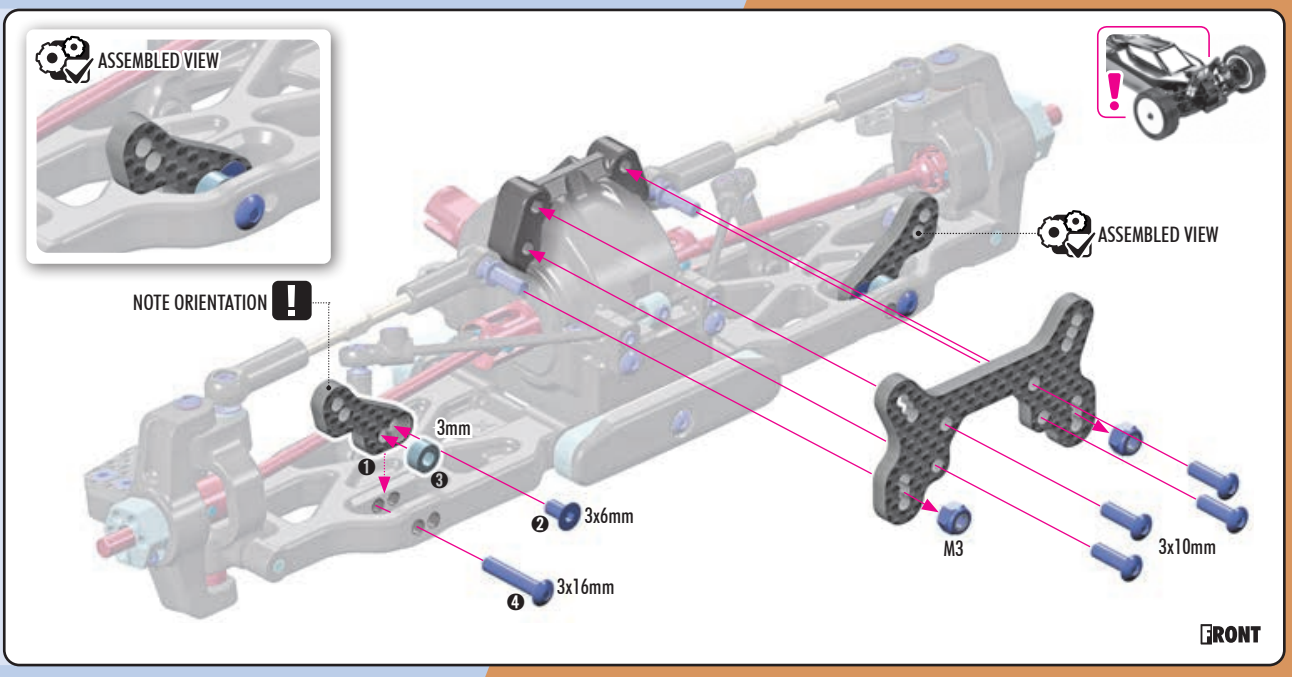
902316
SH M3x16
2x



2x 903306
SFH M3x6



2x 960030
N M3

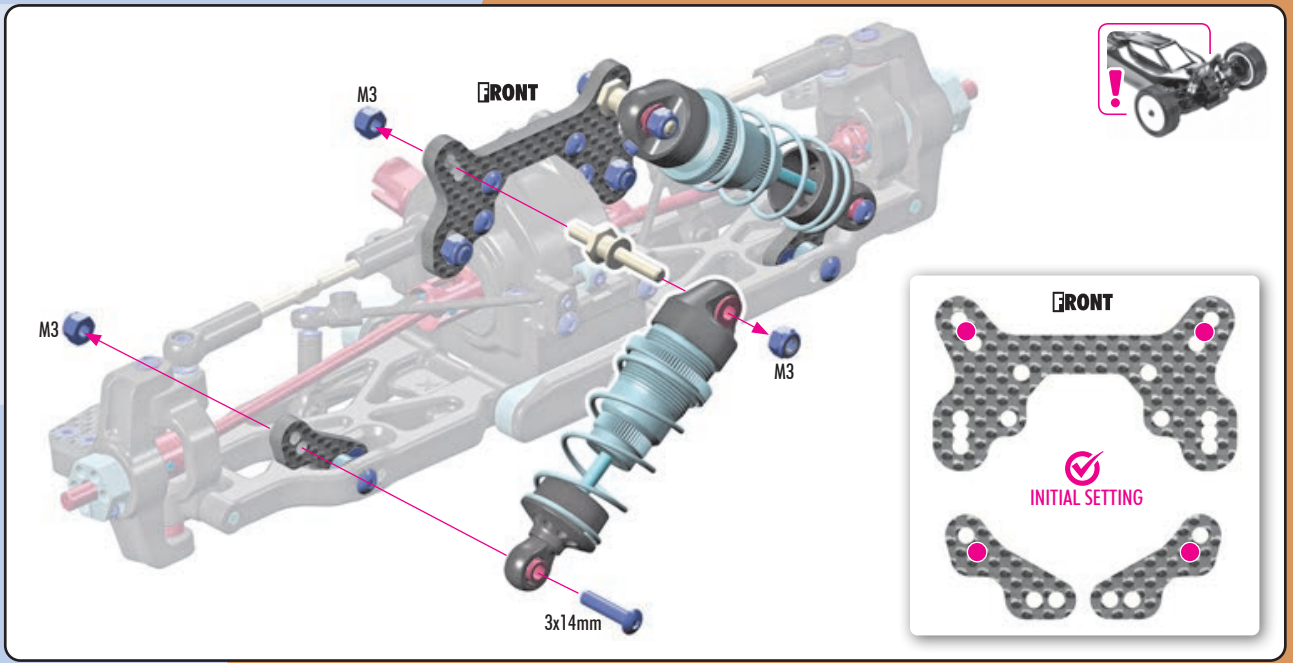




2x 902314
SH M3x14

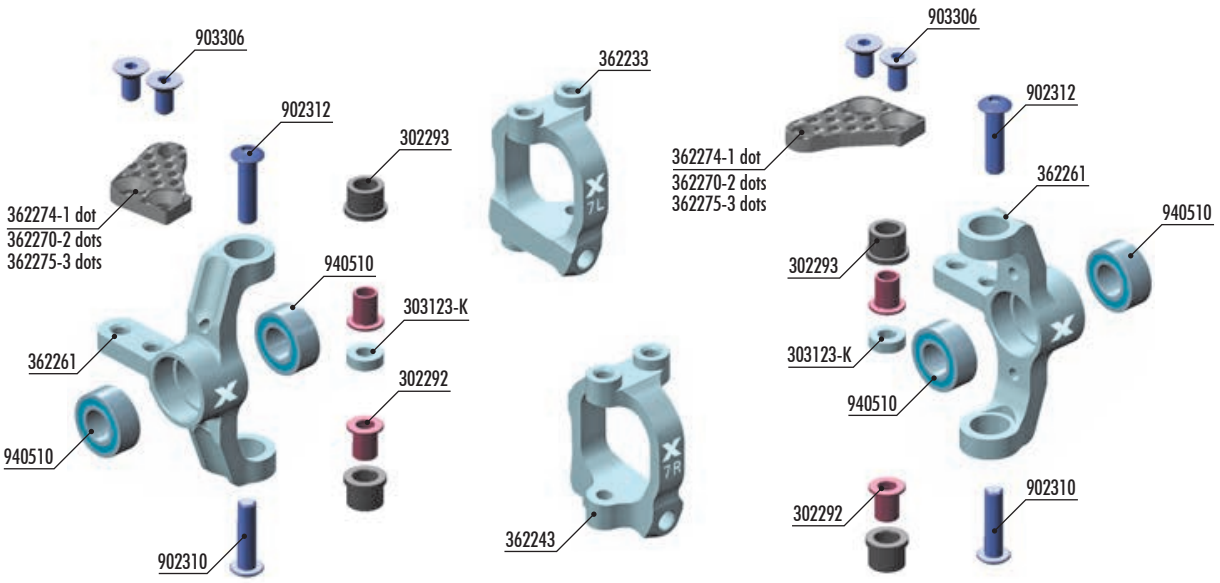


6x 960030
N M3



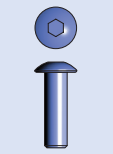
XRAY TUNING PARTS - ASSEMBLY DETAILS
(NOT INCLUDED)

#360901
OPTION **ALU STEERING BLOCKS & 7° C-HUBS - SET**



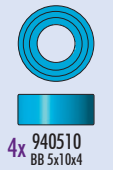
302292	STEEL STEERING BUSHING LONG (4)
302293	C-HUB BUSHING COMPOSITE - V2 (4)
303123-K	ALU SHIM 3x6x2.0mm - BLACK (10)
362233	ALU C-HUB 7° RIGHT - SWISS 7075 T6
362243	ALU C-HUB 7° LEFT - SWISS 7075 T6
362270	GRAPHITE EXTENSION FOR ALU STEERING BLOCK (L+R) - 2 DOTS
362274	GRAPHITE EXTENSION FOR ALU STEERING BLOCK (L+R) - 1 DOT
362275	GRAPHITE EXTENSION FOR ALU STEERING BLOCK (L+R) - 3 DOTS
362261	ALU STEERING BLOCK - SWISS 7075 T6
902310	HEX SCREW SH M3x10 (10)
902312	HEX SCREW SH M3x12 (10)
903306	HEX SCREW SFH M3x6 (10)
940510	BALL-BEARING 5x10x4 RUBBER SEALED - OIL (2)


2x 303123-K
SHIM 3x6x2

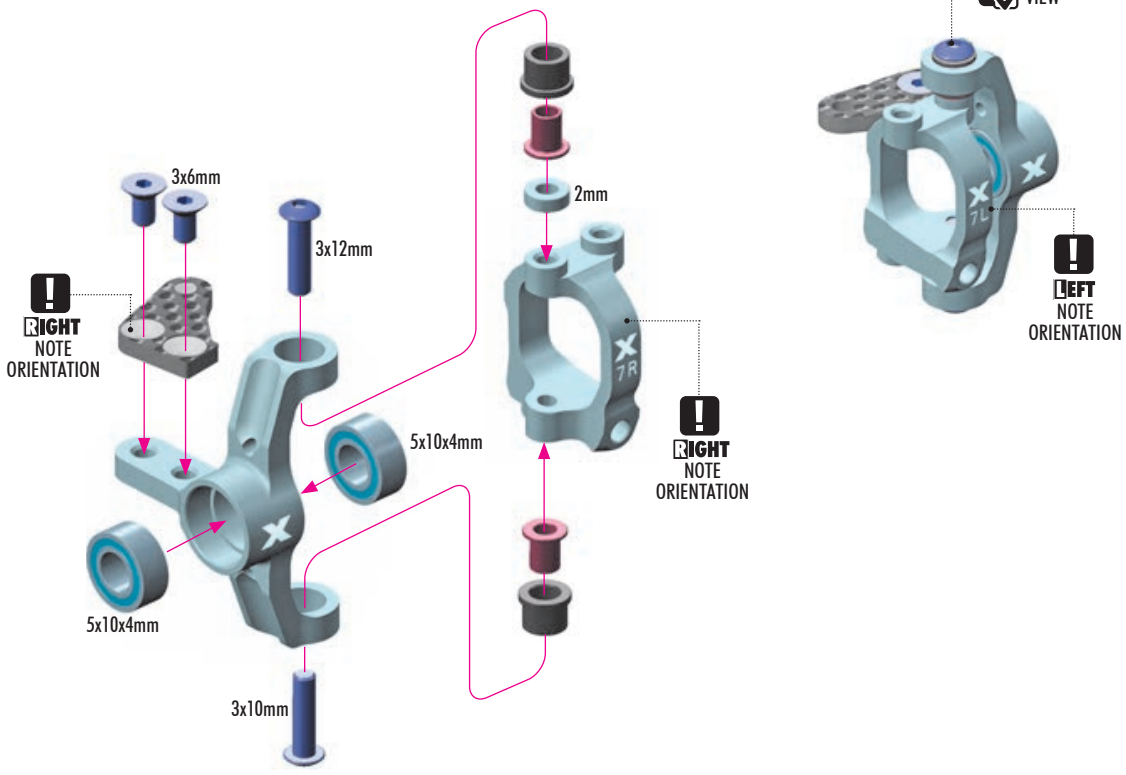

2x 902310
SH M3x10


2x 902312
SH M3x12

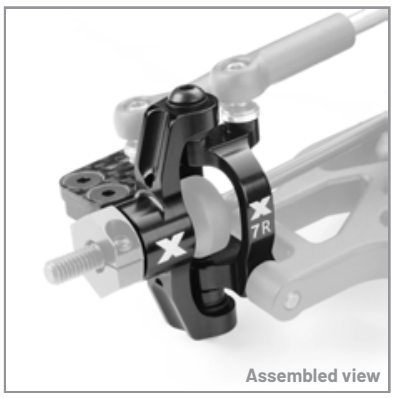

4x 903306
SFH M3x6


4x 940510
BB 5x10x4

2x L=R







#360901

Alu Steering Blocks & 7° C-Hubs - Lightweight - Set

- Lightweight complete alu set
- Steering blocks & 7° C-hubs
- Ultra strong
- Reduces flex
- Improves consistency
- Mainly for high traction conditions
- Increases stability
- Premium Swiss 7075 T6 aluminum

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#323355 #323356 #323358

Alu Multi Adjustable Rear Uprights Swiss 7075 T6

- Alu rear upright with lower or upper arm mounting
- Multi adjustable roll centers and track width
- Increases stability
- Premium Swiss 7075 T6 aluminum
- For high & very high traction tracks where increased stability is needed

OTHER VARIANTS:

Rear Uprights		
Part number	Material	Position
#323354-M	Medium	High
#323357-M	Medium	Low
#323354-H	Hard	High
#323354-G	Graphite	High
#323357-G	Graphite	Low
#323355	Alu	High
#323356	Alu	Low
#323358	Alu	Extra Low

UPPER position
We recommend for these types of surfaces and traction:
• DIRT low & high traction • Wet ASTRO

LOWER position
We recommend for these types of surfaces and traction:
• CARPET • Dry ASTRO • DIRT very high traction

EXTRA LOWER position
We recommend for these types of surfaces and traction:
• CARPET very high traction • ASTRO very high traction

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#361117

CHASSIS 1.2mm - HUDY SPRING STEEL™

- Generates more stability & consistency
- For ultra-low CG
- Reduces traction rolling
- For medium to high traction tracks
- Made from world-renowned Hudy Spring steel material

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#362560-C

Adjustable Multi-Flex™ Steering System Brace - Set

- Adjusts steering response
- Multiple mounting positions for servo saver pivot shafts
- Influences steering aggressivity & stability
- Improves control & consistency
- Quick & simple attachment
- Durable
- Premium Swiss 7075 T6 aluminum

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING

XRAY TUNING PARTS
(NOT INCLUDED)



C-Hubs

- Durable
- Reliable
- Increased stability
- More predictable handling
- For all traction alternatives

MEDIUM:
For low traction. More steering on low traction.

HARD:
For medium traction. More steering, more free in corners.

GRAPHITE:
For high traction. More precise steering, less stopping in corners.

ALUMINIUM:
For maximum precision & rigidity. Delivers instant steering response & consistent geometry on very high-traction or carpet tracks.

OTHER VARIANTS:

C-Hubs		
Part number	Orientation	Hardness
#362210	9° Right	Medium
#362210-H	9° Right	Hard
#362211	6° Right	Medium
#362211-G	6° Right	Graphite
#362220	9° LEFT	Medium
#362220-H	9° LEFT	Hard
#362221	6° LEFT	Medium
#362221-G	6° LEFT	Graphite
#362233	7° RIGHT	Alu
#362234	12° RIGHT	Alu
#362243	7° LEFT	Alu
#362244	12° LEFT	Alu

SET-UP TUNING STRENGTH STYLE PERFORMANCE WEIGHT SAVING



#364103

Slipper Eliminator Set for One-Way Slipper Clutch

- Eliminates slipper effect on-power
- Retains one-way function off-power
- Reduces drivetrain rotating mass
- Improves acceleration and throttle response
- Improves stability on corner entry & jump landings
- Specially designed for stock class

SET-UP TUNING STRENGTH STYLE PERFORMANCE WEIGHT SAVING



#364102

XB4 Solid Axle - Slipper Eliminator - Set

- Eliminates slipper effect
- Specially designed for stock class
- Reduces maximum rotation mass
- Increases acceleration
- Reduces weight of drivetrain
- Ultra lightweight
- Includes 72T spur gear
- Premium Swiss 7075 T6 aluminum

Recommended for stock motor classes. Reduces rotating mass, reduces vehicle weight, and maximizes power throughput by eliminating the slipper clutch.

With the Slipper Eliminator, motor output & driveline impacts are transferred directly through the transmission gears, increasing the potential for transmission gear damage.

OTHER VARIANT:



#325869
Slipper Eliminator Spur Gear 69T / 48P

SET-UP TUNING STRENGTH STYLE PERFORMANCE WEIGHT SAVING



Composite Chassis Side Guards L+R - Narrow Front - V3

- Durable
- Reliable
- Increased stability
- More predictable handling
- For all traction alternatives

MEDIUM:
Increased flex for low-traction tracks to generate more traction.

HARD:
Balanced flex. Most versatile for all conditions.

GRAPHITE:
Reduced flex for high-traction tracks to improve stability.

OTHER VARIANTS:

Side Guards	
Part number	Hardness
#361278-M	Medium
#361278-H	Hard
#361278-G	Graphite

SET-UP TUNING STRENGTH STYLE PERFORMANCE WEIGHT SAVING

XRAY TUNING PARTS
(NOT INCLUDED)



#364941

Steel Differential Bevel Gear For Large Volume Diff 41T

- Overdrive characteristics
- Direct replacement of the kit 40T crown gear
- Lightweight
- Long lifespan
- HUDY Spring Steel™

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#364912-G

Composite Gear Differential Case Large Volume - Graphite

- Durable graphite composite
- Lightweight
- Higher temperature resistance
- Higher wear resistance

SET-UP TUNING | **STRENGTH** | STYLE | PERFORMANCE | **WEIGHT SAVING**



#364920-G

Composite Gear Differential Cover - Large Volume - Graphite

- Durable graphite composite
- Lightweight
- Higher temperature resistance
- Higher wear resistance

SET-UP TUNING | **STRENGTH** | STYLE | PERFORMANCE | **WEIGHT SAVING**



#335031

Diff Bevel & Satellite Gears for O-rings - Set

- Diff gears with self-locking effect
- Improved consistency
- Suitable for higher traction tracks
- Improves forward traction

SET-UP TUNING | **STRENGTH** | STYLE | **PERFORMANCE** | WEIGHT SAVING



#304932

Graphite Gear Diff Bevel & Satellite Gears (2+4)

- Graphite differential gears 2 bevel + 4 satellite gears
- Ultra-strong graphite composite material
- Lightweight
- Enhances drivetrain efficiency & reduces gear wear
- Minimizes risk of tooth stripping or breakage under stress

SET-UP TUNING | STRENGTH | STYLE | **PERFORMANCE** | **WEIGHT SAVING**



Composite Chassis Brace Front & Rear - Narrow

- Optimized flex for different conditions
- Narrow design
- Allows installation of the Adjustable Multi-Flex™ Steering System Brace

MEDIUM:
Increased flex for low-traction tracks to generate more traction.

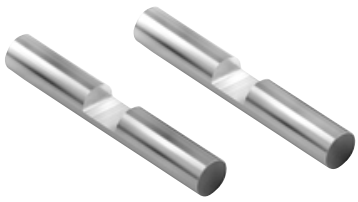
HARD:
Balanced flex. Most versatile for all conditions.

GRAPHITE:
Reduced flex for high-traction tracks to improve stability.

OTHER VARIANTS:

Chassis Brace	
Part number	Hardness
#361287-M	Medium
#361287-H	Hard
#361287-G	Graphite

SET-UP TUNING | STRENGTH | STYLE | **PERFORMANCE** | **WEIGHT SAVING**



#335080

Steel Differential Pin (2)

- Long life
- Extra durable
- CNC-machined

SET-UP TUNING | **STRENGTH** | STYLE | PERFORMANCE | WEIGHT SAVING



#335081

Alu Differential Pin - Hardcoated (2)

- Long life
- Extra durable
- CNC-machined
- Alu hard coated pins
- Light
- Strong
- Premium Swiss 7075 T6 aluminum

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | **WEIGHT SAVING**

XRAY TUNING PARTS
(NOT INCLUDED)

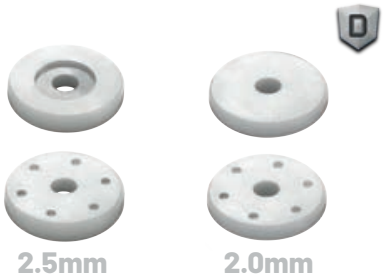


#368054

Alu Shock Cap-Nut With Vent Hole - Big Bore (2)

- Alu upper shock caps for big bore shocks
- Features vent hole
- Increased durability
- Extended life time
- Includes shims for uptravel adjustment
- Premium Swiss 7075 T6 aluminum

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING

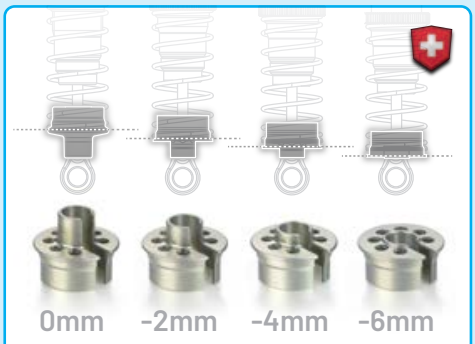


#368033 #368034

Precision Ground Shock Piston Blanks - Big Bore (4)

- Precisely ground for perfectly finished surface for smoother operation
- Made from Delrin
- Shock Piston Blanks for big bore shocks

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



Alu Shock Spring Retaining Collar (4)

- CNC-machined shock spring retaining collars
- Premium Swiss 7075 T6 aluminum
- Lowers ride height and center of gravity
- Improves vehicle stability and handling
- Set includes 4 pieces

ALUMINUM SHOCK COLLARS

Set of lower aluminum shock collars for increased reliability. Stylish and lightweight collars are CNC machined from premium Swiss 7075 T6 aluminum and are strategically lightened. Set of four.



#368021 ALU SHOCK SPRING RET. COLLAR (4)



#368022 ALU SHOCK SPRING RET. COLLAR -2mm (4)

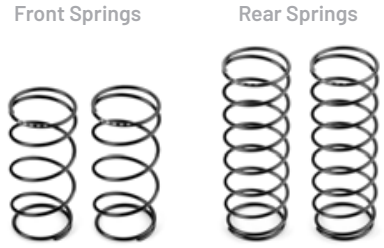


#368023 ALU SHOCK SPRING RET. COLLAR -4mm (4)



#368027 ALU SHOCK SPRING RET. COLLAR -6mm (4)

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



Front & Rear Shock Spring-Set

- Conical springs for big bore shocks
- Manually measured, selected & matched
- Laser engraved
- Matched pairs guarantee equal damping characteristics

OTHER VARIANTS:

Front Springs		
Part number	Length	Marked
#368381	L=42.5mm	1 Dot
#368382	L=42.5mm	2 Dots
#368383	L=42.5mm	3 Dots
#368384	L=42.5mm	4 Dots
#368385	L=42.5mm	5 Dots

Rear Springs		
Part number	Length	Marked
#368481	L=57.5mm	1 Dot
#368482	L=57.5mm	2 Dots
#368483	L=57.5mm	3 Dots
#368484	L=57.5mm	4 Dots
#368485	L=57.5mm	5 Dots

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#364028-C

Alu Center Differential Bulkhead Extra Low

- Reinforced for increased strength & reliability
- Improves handling
- Improves consistency
- Black coated
- CNC-machined

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#362512-G

Composite Servo Saver For Ball-Bearings - Graphite

- Durable graphite composite
- For ball-bearing system
- Reduced friction & lower weight
- More direct & consistent response
- High durability under load
- Improves control & consistency
- Quick & simple attachment
- Durable

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#323560

Carbon Rear Wing Shim

- 1-piece design connects both wing holders
- Reduces flexing & bending
- Prolongs life of rear wing
- Premium look

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING

HUDY SET-UP TOOL & ACCESSORIES
(NOT INCLUDED)



#108951

HUDY Set-up Toolset 1/10 Off-road

- Includes all tools for complete geometry adjustment
- Highest precision & superior quality
- Unmatched value
- Must have for every racer
- All components made by HUDY in Europe
- All components are machined from lightweight aircraft aluminum

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING

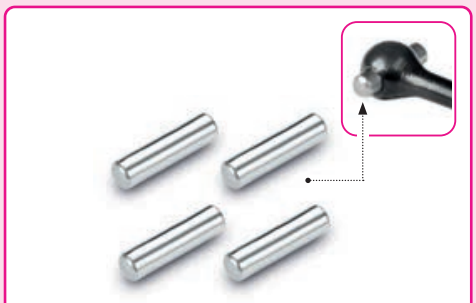


#106059

HUDY Replacement Drive Shaft Pins 2x10mm - Extra Hard (4)

- Extra hard material for prolonged life
- Polished for minimum friction
- Hardened for increased durability
- Extends drive train life time multiple times
- Set of 4

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#106060

HUDY Replacement Drive Shaft Pins 2.5x10mm - Extra Hard (4)

- Extra hard material for prolonged life
- Polished for minimum friction
- Hardened for increased durability
- Extends drive train life time multiple times
- Set of 4

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



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

Alu Clamp Steering Servo Horn

- Increase reliability & strength
- Clamp design
- Easy to access set screw from top
- Maximum steering control
- Drilled & tapped for 3mm linkage
- Zero flex
- Black coated
- Premium Swiss 7075 T6 aluminum

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#104004

HUDY Air Vac - Vacuum Pump 1/10 Off-Road - V2

- Removes air from shock absorbers & diffs in seconds
- Ultra compact & handy design
- Includes holders for shock absorbers & differential
- Included 600mm connecting cable with gold-plated banana plugs
- Premium hard case for safe storage & transport

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



HUDY Titanium Super-Low Head Screw - Centering Diameter

- Titanium material
- Super lightweight
- Centering Diameter on Super-Low Head Screws
- Ultra-precise
- Long life
- High durability
- Made by HUDY
- Made in Europe

OTHER VARIANTS:

Part number	Length	Pcs	Image
#908305-T	5mm	10	
#908306-T	6mm	10	
#908308-T	8mm	10	
#908310-T	10mm	10	
#908312-T	12mm	10	
#908314-T	14mm	4	
#908316-T	16mm	4	
#908318-T	18mm	4	
#908320-T	20mm	4	
#908322-T	22mm	4	
#908325-T	25mm	4	



HUDY Titanium Flat Head Screw

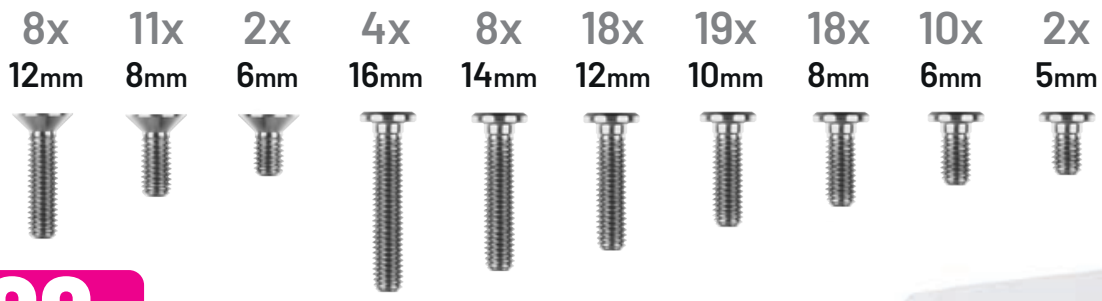
OTHER VARIANTS:

Part number	Length	Pcs	Image
#903305-T	5mm	10	
#903306-T	6mm	10	
#903308-T	8mm	10	
#903310-T	10mm	10	
#903312-T	12mm	10	
#903316-T	16mm	4	

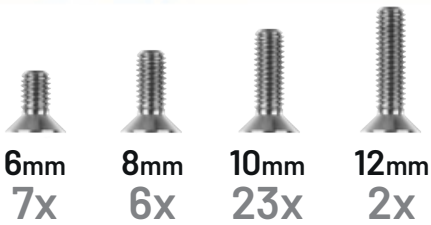
SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING

HUDY SET-UP TOOL & ACCESSORIES
(NOT INCLUDED)

#901004-U HUDY Titanium Screws for XB4 - Upper Set (100)









#901004-L HUDY Titanium Screws for XB4 - Lower Set (38)

HUDY Titanium Screws for XB4 - Set

- Complete set of upper & lower titanium screws for XB4
- Titanium material
- Super lightweight
- Centering diameter on super-low head screws
- Ultra-precise
- Long life
- High durability
- Made by HUDY
- Made in Europe

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#107763

HUDY Adjustable Ride Height Gauge 5-40mm

- Easy & fast ride height adjustment
- Adjustable gauge in range 5-40mm
- Extremely durable and wear resistant
- 1mm increments
- Small & lightweight

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING



#293211

HUDY Alu Bullet Plug Black & Red w 5mm Golden Bullets – Set

- Provide sufficient grip for plugging your battery
- Made of high quality gold-plated copper
- Durable & corrosion resistant
- Lowest resistance for maximum power delivery
- Sharp set screw for maximum reliability
- Easy to solder and install

SET-UP TUNING | STRENGTH | STYLE | PERFORMANCE | WEIGHT SAVING

HUDY TIRES • WHEELS • INSERTS
(NOT INCLUDED)

HUDY 1/10 OFF-ROAD TIRES



HUDY

HUDY 1/10 OFF-ROAD PRE-GLUED TIRES



HUDY

HUDY 1/10 OFF-ROAD INSERTS



HUDY

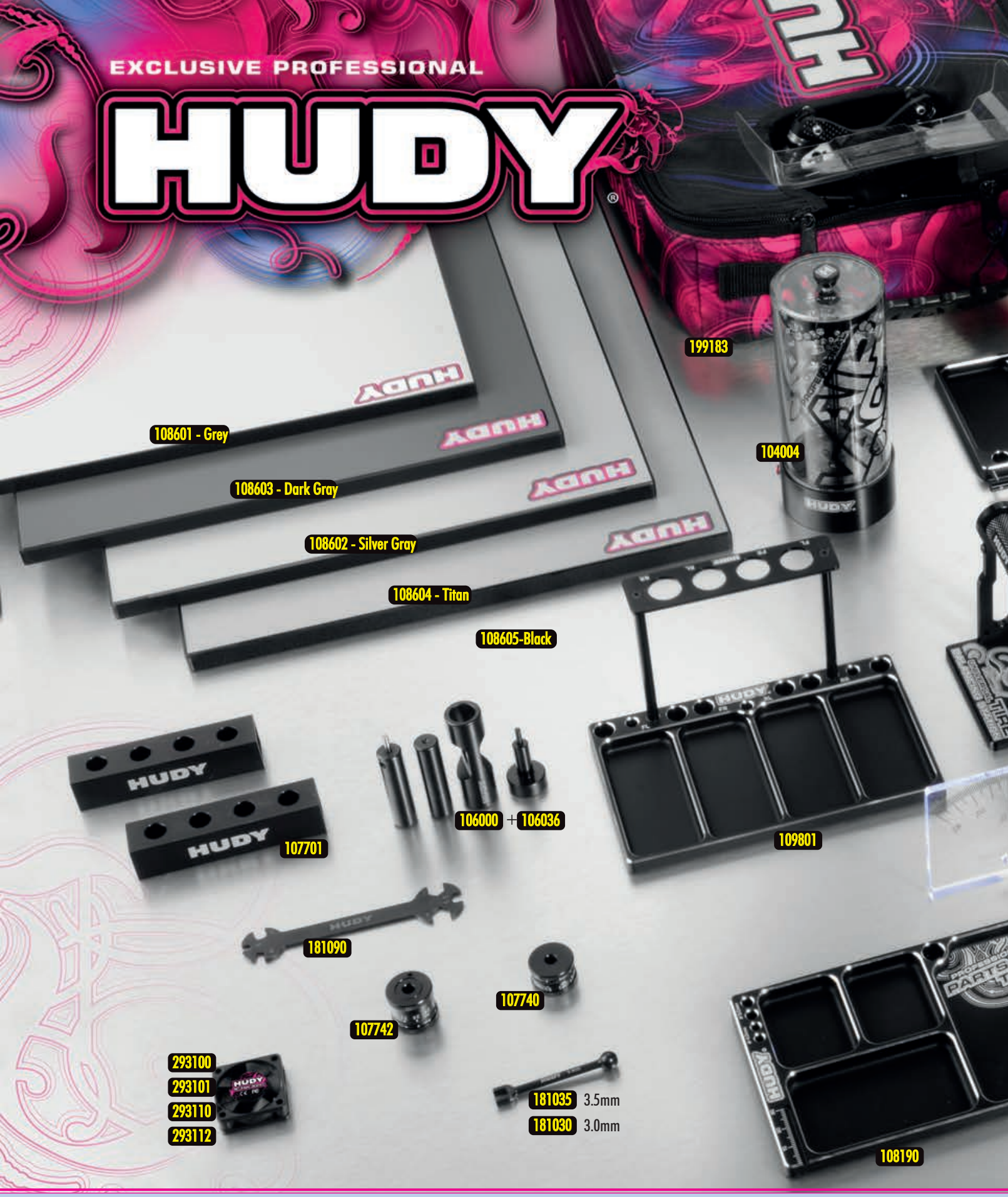
HUDY 1/10 OFF-ROAD WHEELS



HUDY

EXCLUSIVE PROFESSIONAL

HUDY



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



109880	HUDY ALU TRAY FOR ACCESSORIES & PIT LED
111545	LIMITED EDITION - ALLEN WRENCH # 1.5mm
112045	LIMITED EDITION - ALLEN WRENCH # 2.0mm
132045	LIMITED EDITION - ALLEN WRENCH + BALL REPL. TIP # 2.0mm
153055	LIMITED EDITION - SLOTTED SCREWDRIVER # 3.0mm - LONG
175535	LIMITED EDITION - SOCKET DRIVER # 5.5mm
177035	LIMITED EDITION - SOCKET DRIVER # 7.0mm
181030	HUDY SPRING STEEL TURNBUCKLE WRENCH 3mm
181090	HUDY SPECIAL TOOL FOR TURNBUCKLES & NUTS
183011	HUDY PROFESSIONAL MULTI TOOL
188990	HUDY PROFESSIONAL BODY SCISSORS
199060	HUDY ALU TOOL STAND
199183	HUDY CAR BAG - 1/10 OFF-ROAD
199270	HUDY LIPO SAFETY BAG
298100	HUDY TIN ROUND BOX 80x30mm
293100	HUDY ALU RC FAN 30mm - BOTTOM MOUNT 2 HOLE
293101	HUDY ALU RC FAN 30mm - SIDE MOUNT 2 HOLE
293110	HUDY BRUSHLESS RC FAN 30mm - WITH EXTERNAL SOLDERING TABS
293112	HUDY BRUSHLESS RC FAN 30mm - WITH INTERNAL SOLDERING TABS

For more information about tools, set-up equipment and accessories suitable for your car please visit: www.hudy.net

www.teamxray.com

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