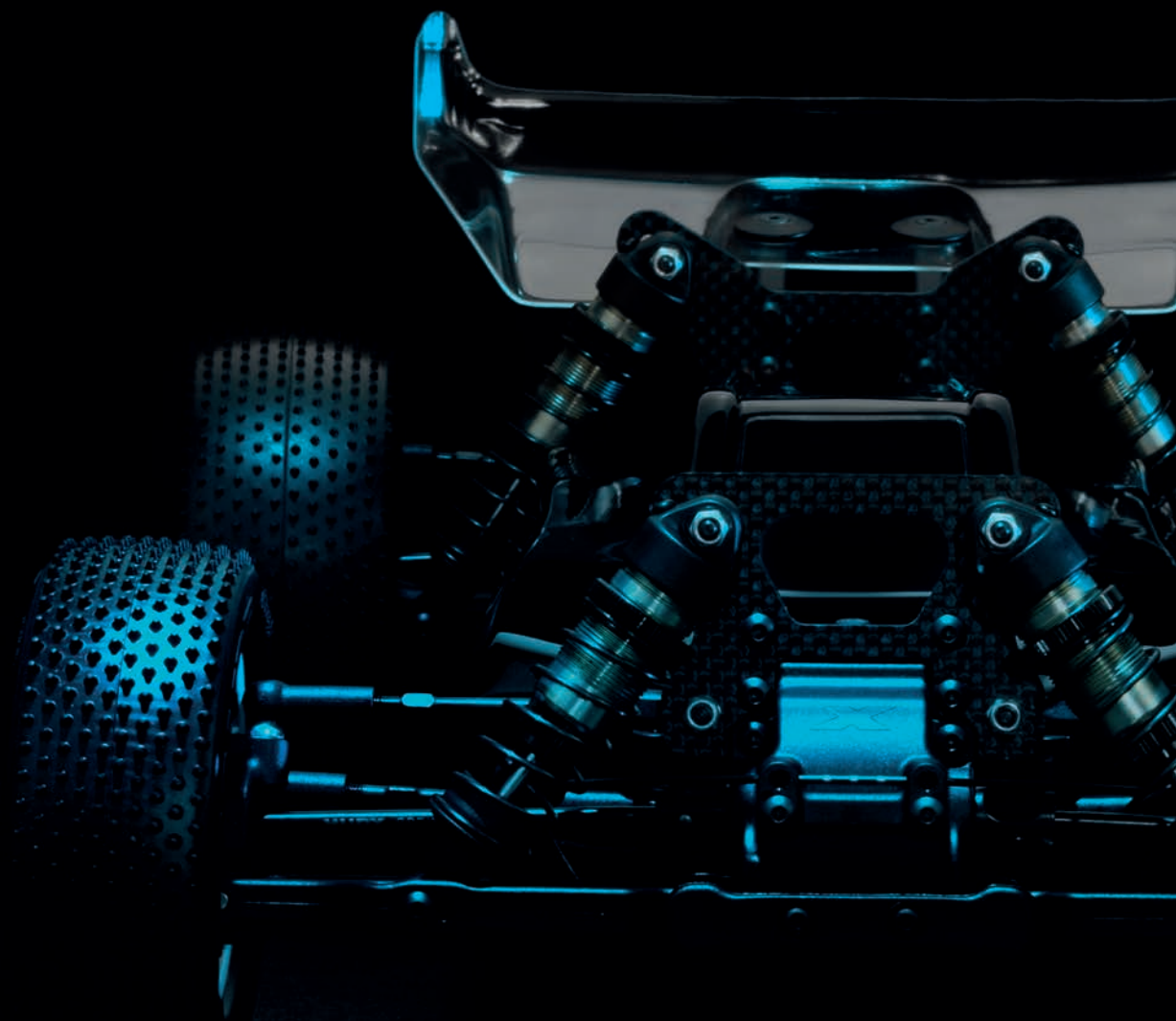


1/10 ELECTRIC OFF-ROAD BUGGY 4WD

XRAY XB4



INSTRUCTION MANUAL
FOR XB4C'26 & XB4D'26 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.

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

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.

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 NEGLIGENCE

SAFETY PRECAUTIONS

Contains:

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

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

CAUTION: CANCER HAZARD

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

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

Take appropriate safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation! Please read the instruction manual before building and operating this model and follow all safety precautions. Always keep the instruction manual at hand for quick reference, even after completing the assembly. Use only genuine and original

authentic XRAY parts for maximum performance. Using any third party parts on this model will void warranty immediately.

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



IMPORTANT NOTES – GENERAL

- This product is NOT suitable for children under 16 years of age without the direct supervision of a responsible and knowledgeable adult.
 - Carefully read all manufacturers warnings and cautions for any parts used in the construction and use of your model.
 - Assemble this kit only in places away from the reach of very small children.
 - First-time builders and users should seek advice from people who have building experience in order to assemble the model correctly and to allow the model to reach its performance potential.
 - Exercise care when using tools and sharp instruments.
 - Take care when building, as some parts may have sharp edges.
 - Keep small parts out of reach of small children. Children must NOT be allowed to put any parts in their mouth, or pull vinyl bag over their head.
 - Read and follow instructions supplied with paints and/or cement, if used (NOT included in kit).
 - Immediately after using your model, DO NOT touch equipment on the model such as the motor and speed controller, because they generate high temperatures. You may seriously burn yourself seriously touching them.
 - Follow the operating instructions for the radio equipment at all times.
 - DO NOT put fingers or any objects inside rotating and moving parts, as this may cause damage or serious injury as your finger, hair, clothes, etc. may get caught.
 - Be sure that your operating frequency is clear before turning on or running your model, and never share the same frequency with somebody else at the same time. Ensure that others are aware of the operating frequency you are using and when you are using it.
 - Use a transmitter designed for ground use with RC cars. Make sure that no one else is using the same frequency as yours in your operating area. Using the same frequency at the same time, whether it is driving, flying or sailing, can cause loss of control of the RC model, resulting in a serious accident.
 - Always turn on your transmitter before you turn on the receiver in the car. Always turn off the receiver before turning your transmitter off.
 - Keep the wheels of the model off the ground when checking the operation of the radio equipment.
 - Disconnect the battery pack before storing your model.
 - When learning to operate your model, go to an area that has no obstacles that can damage your model if your model suffers a collision.
 - Remove any sand, mud, dirt, grass or water before putting your model away.
 - If the model behaves strangely, immediately stop the model, check and clear the problem.
 - To prevent any serious personal injury and/or damage to property, be responsible when operating all remote controlled models.
 - The model car is NOT intended for use on public places and roads or areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.
 - Because the model car is controlled by radio, it is subject to radio interference from many sources that are beyond your control. Since radio interference can cause momentary loss of control, always allow a safety margin in all directions around the model in order to prevent collisions.
 - DO NOT use your model:
 - Near real cars, animals, or people that are unaware that an RC car is being driven.
 - In places where children and people gather
 - In residential districts and parks
 - In limited indoor spaces
 - In wet conditions
 - In the street
 - In areas where loud noises can disturb others, such as hospitals and residential areas.
 - At night or anytime your line of sight to the model may be obstructed or impaired in any way.
- To prevent any serious personal injury and/or damage to property, please be responsible when operating all remote controlled models.

IMPORTANT NOTES – ELECTRICAL

- Insulate any exposed electrical wiring (using heat shrink tubing or electrical tape) to prevent dangerous short circuits. Take maximum care in wiring, connecting and insulating cables. Make sure cables are always connected securely. Check connectors for if they become loose. And if so, reconnect them securely. Never use RC models with damaged wires. A damaged wire is extremely dangerous, and can cause short-circuits resulting in fire. Please have wires repaired at your local hobby shop.
- Low battery power will result in loss of control. Loss of control can occur due to a weak battery in either the transmitter or the receiver. Weak running battery may also result in an out of control car if your car's receiver power is supplied by the running battery. Stop operation immediately if the car starts to slow down.
- When NOT using RC model, always disconnect and remove battery.
- DO NOT disassemble battery or cut battery cables. If the running battery short-circuits, approximately 300W of electricity can be discharged, leading to fire or burns. Never disassemble battery or cut battery cables.
- Use a recommended charger for the receiver and transmitter batteries and follow the instructions correctly. Over-charging, incorrect charging, or using inferior chargers can

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

- Regularly check the charger for potential hazards such as damage to the cable, plug, casing or other defects. Ensure that any damage is rectified before using the charger again. Modifying the charger may cause short-circuit or overcharging leading to a serious accident. Therefore DO NOT modify the charger.
- Always unplug charger when recharging is finished.
- DO NOT recharge battery while battery is still warm. After use, battery retains heat. Wait until it cools down before charging.
- DO NOT allow any metal part to short circuit the receiver batteries or other electrical/electronic device on the model.
- Immediately stop running if your RC model gets wet as may cause short circuit.
- Please dispose of batteries responsibly. Never put batteries into fire.

R/C & BUILDING TIPS

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

- Ask your local hobby shop for any advice.

Please support your local hobby shop. We at XRAY Model Racing Cars support all local hobby dealers. Therefore we ask you, if at all possible, to purchase XRAY products at your hobby dealer and give them your support like we do.

If you have difficulty finding XRAY products, please check out www.teamxray.com to get advice, or contact us via email at info@teamxray.com, or contact the XRAY distributor in your country.

WARRANTY

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

Due to the high performance level of this model car you will need to periodically maintain and replace consumable components. Any and all warranty coverage will NOT cover replacement of any part or component damaged by neglect, abuse, or improper or unreasonable use. This includes but is NOT limited to damage from crashing, chemical and/or water damage, excessive moisture, improper or no maintenance, or user modifications which compromise the

integrity of components. Warranty will NOT cover components that are considered consumable on RC vehicles. XRAY DOES NOT pay nor refund shipping on any component sent to XRAY or its distributors for warranty. XRAY reserves the right to make the final determination of the warranty status of any component or part.

LIMITATIONS OF LIABILITY

XRAY makes no other warranties expressed or implied. XRAY shall NOT be liable for any loss, injury or damages, whether direct, indirect, special, incidental, or consequential, arising from the use, misuse, or abuse of this product and/or any product or accessory required to operate this product. In no case shall XRAY's liability exceed the monetary value of this product.

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

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

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

All rights reserved.

QUALITY CERTIFICATE

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

competition, we cannot guarantee any parts once you start racing the car. Products which have been worn out, abused, neglected or improperly operated will NOT be covered under warranty. We wish you enjoyment of this high-quality and high-performance RC car and wish you best success on the track!

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

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

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)

Scissors (HUDY #188990)

Professional Multi Tool (HUDY #183011)

Ball Joint Wrench (HUDY #181110)

EQUIPMENT INCLUDED

300cSt (#106330) HUDY Premium Silicone Oils	350cSt (#106335) HUDY Premium Silicone Oils	30.000cSt (#106530) HUDY Premium Silicone Oils	40.000cSt (#106540) HUDY Premium Silicone Oils	10.000cSt (#106510) HUDY Premium Silicone Oils	100.000cSt (#106610) HUDY Premium Silicone Oils	(HUDY #106210) Premium Graphite Grease
SILICONE OIL	SILICONE OIL	SILICONE OIL	SILICONE OIL	SILICONE OIL	SILICONE OIL	GRAPHITE GREASE
CARPET DIRT	CARPET DIRT	CARPET	CARPET	DIRT	DIRT	CARPET DIRT

EQUIPMENT REQUIRED

Transmitter	Receiver	Speed Controller	Steering Servo	Electric Motor & Pinion Gear with Setscrew	LiPo Battery
Battery Charger	Double-sided Tape (HUDY #107875) OPTION	Lexan™ Paint	4x Tires & Inserts	Bearing Oil (HUDY #106230) OPTION	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.

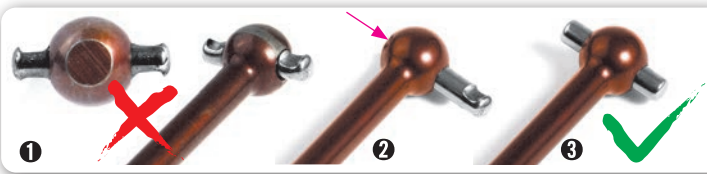
The part descriptions are color-coded to make it easier for you to identify the source of a part. Here are what the different colors mean:

- 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.

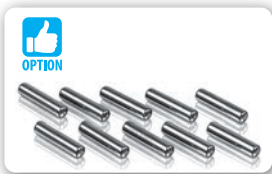
TECH TIPS

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.



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



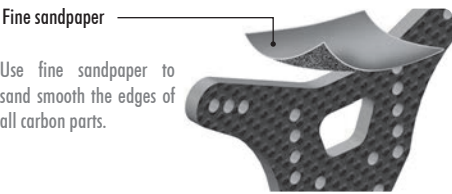
To replace the worn pins use only premium HUDY drive pins (#106053 2.5mm dia x 10mm length)

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



MANUAL PAGE MARKING

MANUAL STEPS ONLY FOR DIRT

1. BALL DIFFERENTIAL

DIRT

DIRT

SAG

MANUAL STEPS ONLY FOR CARPET

1. GEAR DIFFERENTIAL

CARPET

CARPET

SAG

MANUAL DUAL STEPS FOR CARPET AND DIRT

3. REAR DRIVETRAIN

CARPET

DIRT

CARPET

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			HUDY PREMIUM SILICONE OILS		
FOR CENTER GEAR DIFFERENTIAL			FOR SHOCK ABSORBERS		
#106610	100.000cSt - 50ml	INCLUDED	#106321	200cSt - 100ml	OPTION
#106620	200.000cSt - 50ml	OPTION	#106326	250cSt - 100ml	OPTION
#106630	300.000cSt - 50ml	OPTION	#106331	300cSt - 100ml	INCLUDED
#106650	500.000cSt - 50ml	OPTION	#106336	350cSt - 100ml	INCLUDED
#106692	1 000.000cSt - 50ml	OPTION	#106338	375cSt - 100ml	OPTION
#106694	2 000.000cSt - 50ml	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

Ø 5.4mm



HUDY TITANIUM 4.9mm BALL STUDS

Ø 4.9mm



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



1. FRONT & REAR DIFFERENTIAL

CARPET

DIRT

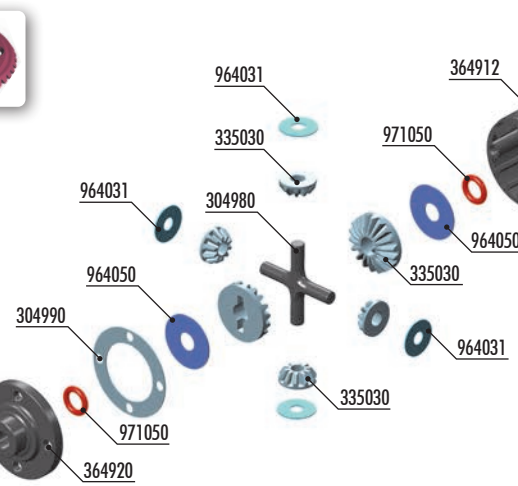
#364941
STEEL DIFFERENTIAL BEVEL GEAR
FOR LARGE VOLUME DIFF 41T



#335080
STEEL DIFFERENTIAL PIN
HARDCOATED (2)



#335081
ALU DIFFERENTIAL PIN
HARDCOATED (2)



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



ACTIVE DIFF SEGMENTS

#	Angle	Image	Option
#325123	60°		OPTION
#325125	90°		OPTION
#325127	120°		OPTION

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



OPTION

GEAR DIFF CASE & COVER

#	Part	Material	Included
#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.

2x



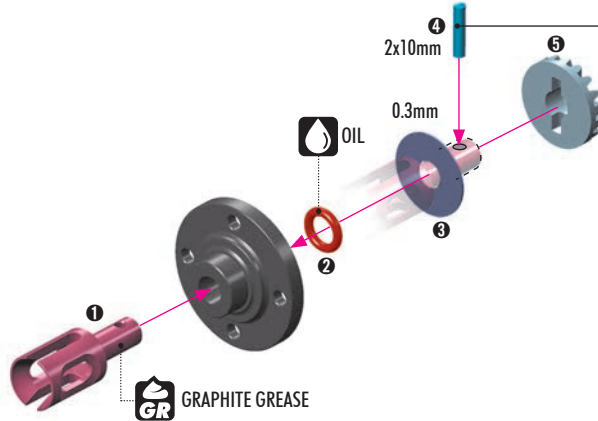
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S 5x15x0.3



1x 971050
O 5x1.5

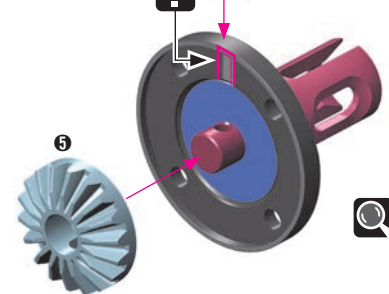


1x 981210
P 2x10



STEP 4 & 5 DETAIL

NOTE ORIENTATION



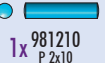
2x



1x 964050
S 5x15x0.3

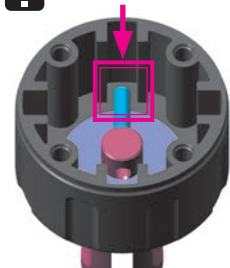


1x 971050
O 5x1.5

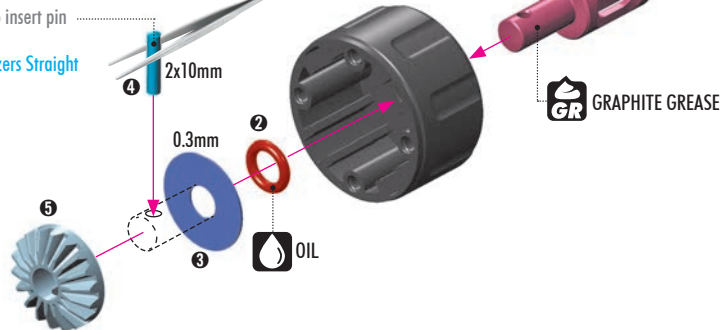


1x 981210
P 2x10

NOTE ORIENTATION

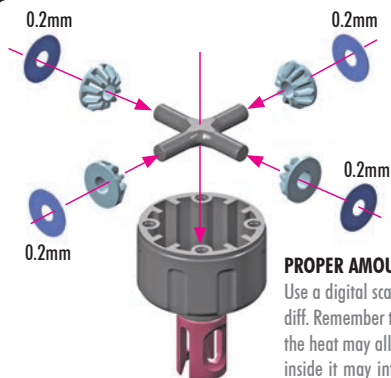


Use tweezers to insert pin
#188970
HUDY Tweezers Straight
OPTION





4x 964031
S 3.5x10x0.2



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.

Front diff

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

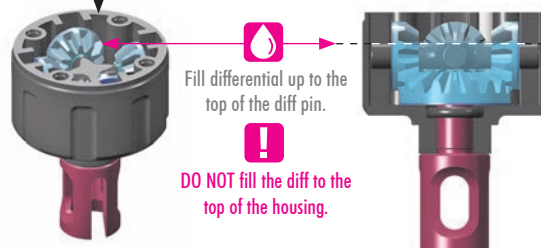


Rear diff

Silicone oil
CARPET 30.000cSt
DIRT 10.000cSt
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.

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



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

#107865
OPTION

HUDY Professional Digital Pocket Scale 300g/0.01g



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

#107866
OPTION

HUDY Professional Digital Pocket Scale 3000g/0.1g

$$16.97g + 1.80g = 18.77g$$

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.

TIP 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)

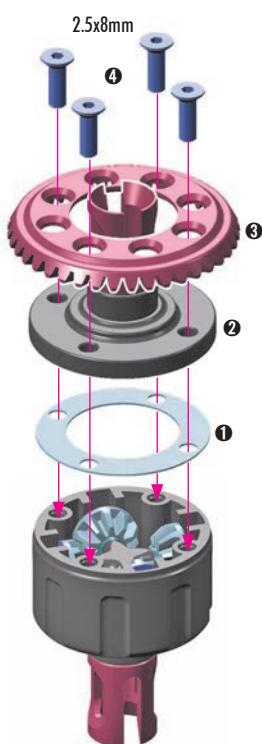


4x 903258
SFH M2.5x8



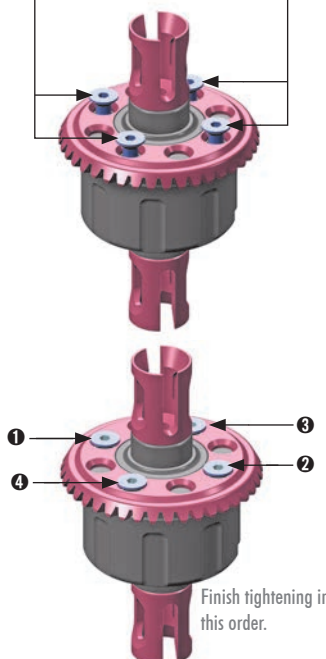
2x 941014
BB 10x15x4

2x

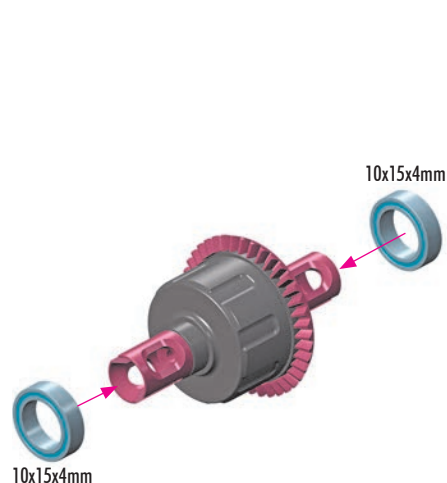


2x

Tighten the screws equally but DO NOT tighten them completely.



2x



#365101 XRAY XB4 Active Diff Center -Set

including #325125-Active Diff Segment 90°

OPTION

ACTIVE DIFF SEGMENTS

#325123	60°		OPTION
#325125	90°		OPTION
#325127	120°		OPTION

964031

304930

304980

304930

964050

971050

364912

304990

971050

980210

364966 SHORT

902306

364975 75T

364966 LONG

903258

#364912-G

GEAR DIFFERENTIAL CASE - LARGE VOLUME - GRAPHITE

OPTION

OPTION

CENTER DIFF SPUR GEARS 48T

#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.

#335031

DIFF BEVEL & SATELLITE GEARS FOR O-RINGS - SET

OPTION

1x 964050

S 5x15x0.3

1x 971050

O 5x1.5

1x 980210

P 2x10

STEP 4 & 5 DETAIL

2x10mm

0.3mm

4

3

5

LONG

GRAPHITE GREASE

NOTE ORIENTATION

4

5

#188970

HUDY Tweezers Straight

OPTION

Use tweezers to insert pin

1x 964050

S 5x15x0.3

1x 971050

O 5x1.5

1x 980210

P 2x10

NOTE ORIENTATION

2x10mm

0.3mm

4

3

5

SHORT

GRAPHITE GREASE

NOTE ORIENTATION

4

5

XB4'26

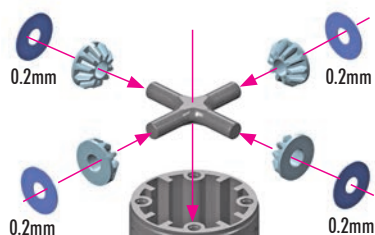
9

2. CENTER GEAR DIFFERENTIAL

DIRT



4x 964031
S 3.5x10x0.2



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.

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.



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



① Put the diff (without oil) on the scale and check the weight (approximately 11.72g)

CENTER Diff. 11.72g + 1.50g = 13.22g



② Slowly pour oil into the diff and watch the weight.

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

#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:

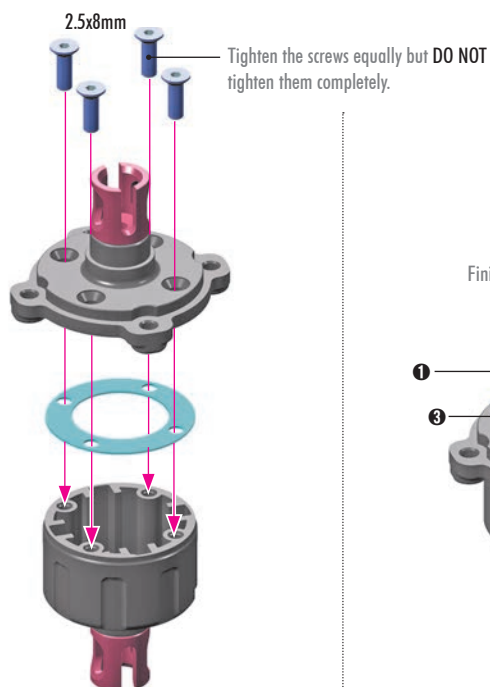
Softer oil increases steering, harder oil increases stability.



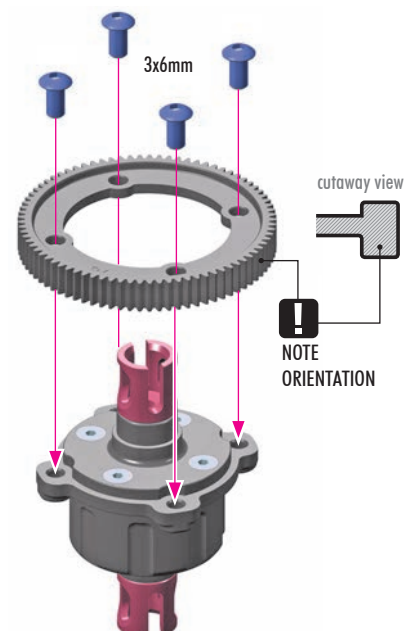
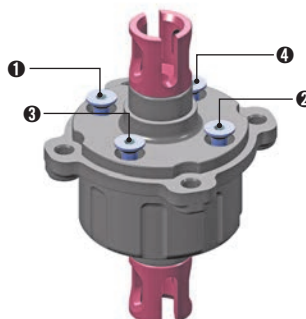
4x 902306
SH M3x6

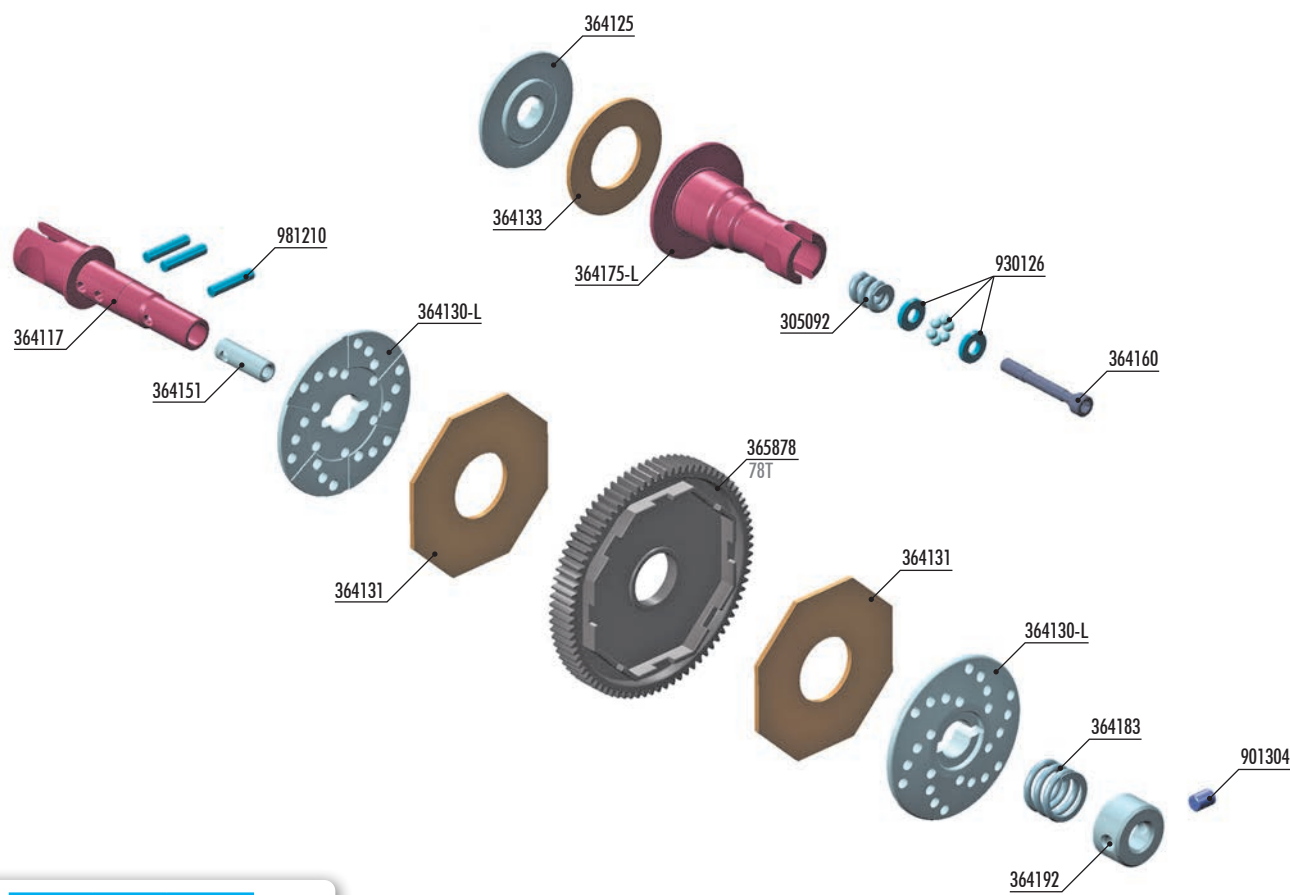


4x 903258
SFH M2.5x8



Finish tightening in this order.





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

BAG

02

- 305092

BALL DIFFERENTIAL SPRING
- 364101-S

ONE-WAY SLIPPER CLUTCH SET - LIGHTWEIGHT & SHORT
- 364117

ONE-WAY SLIPPER CLUTCH SHAFT - LIGHTWEIGHT & SHORT
- 364130-L

ALU ONE-WAY SLIPPER CLUTCH PLATES - VENTILATED - SET
- 364125

ALU PLATE FOR ONE-WAY SLIPPER CLUTCH FOR OUTDRIVE - SWISS 7075 T6
- 364131

SLIPPER CLUTCH PAD SLS - SOFT (3)
- 364133

SLIPPER CLUTCH ONE-WAY OUTDRIVE PAD SLS - SOFT (2)
- 364151

STEEL BUSHING FOR ONE-WAY SLIPPER CLUTCH
- 364160

SCREW FOR ONE-WAY SLIPPER CLUTCH ADJUSTMENT - HUDY SPRING STEEL™
- 364175-L

OUTDRIVE ADAPTER WITH PRESSED ONE-WAY BEARING - LIGHTWEIGHT
- 364183

SLIPPER CLUTCH SPRING C=50 - BLACK
- 364192

ALU NUT FOR ONE-WAY SLIPPER CLUTCH
- 365878

COMPOSITE SLIPPER CLUTCH SPUR GEAR 78T / 48
- 901304

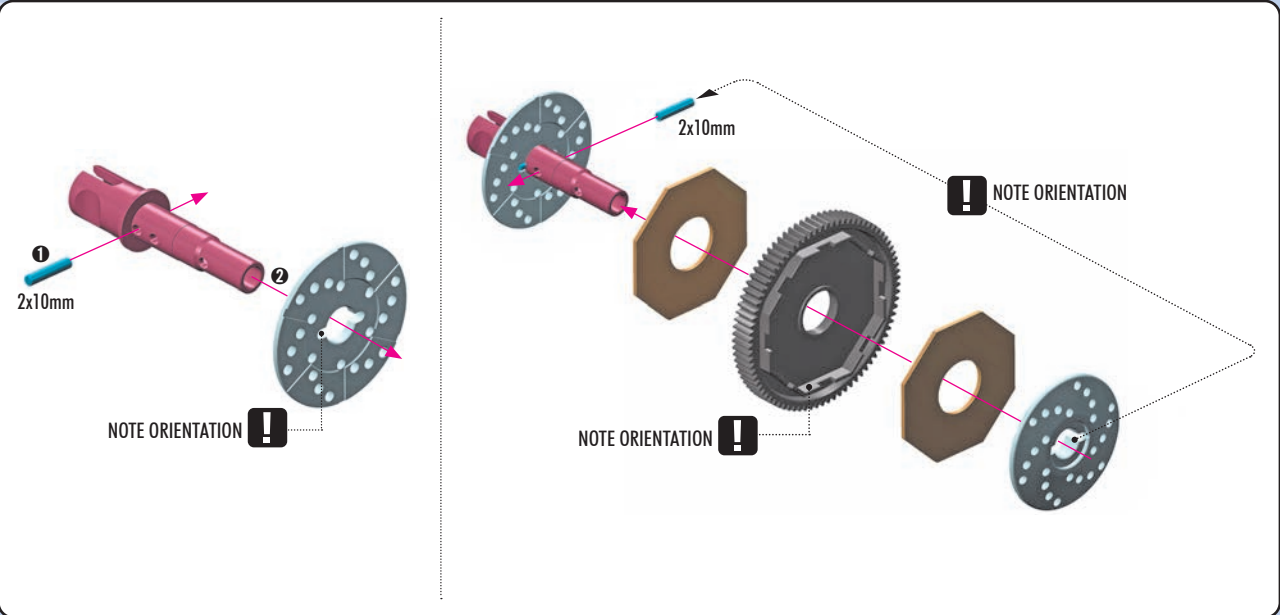
HEX SCREW SB M3x4 (10)
- 930126

CARBIDE BALL-BEARING AXIAL 2.6x6x1
- 981210

PIN 2x10 (10)

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

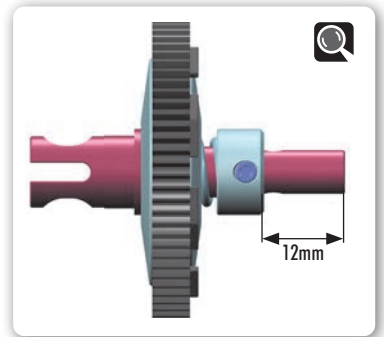
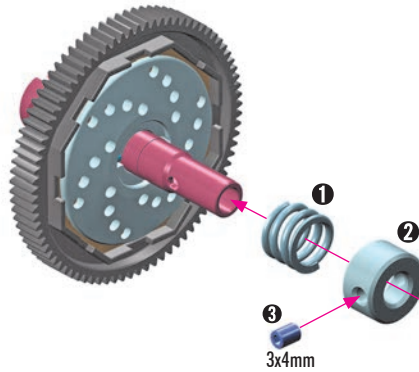
2x 981210
P 2x10



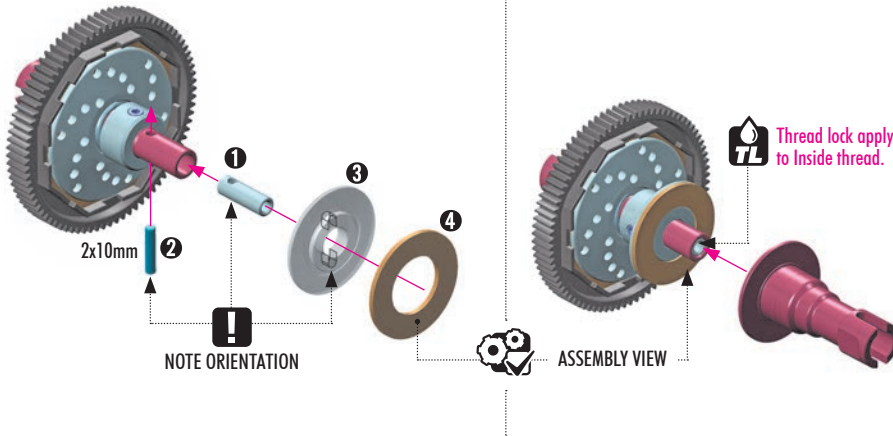
2. SLIPPER CLUTCH

CARPET

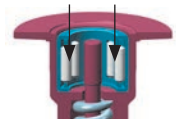
1x 901304
SB M3x4



1x 980210
P 2x10

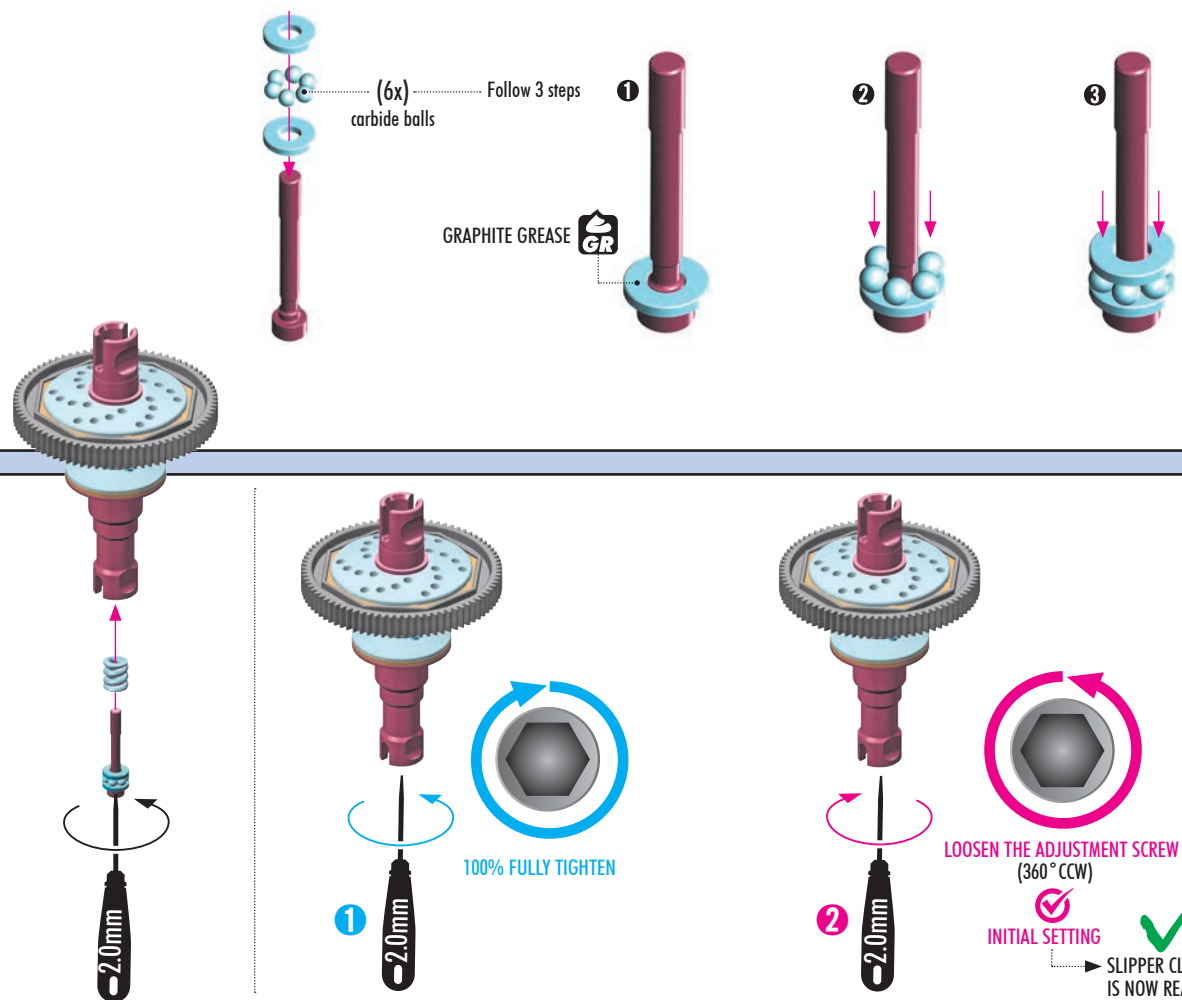


#106231
HUDY ONE-WAY BEARING OIL



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

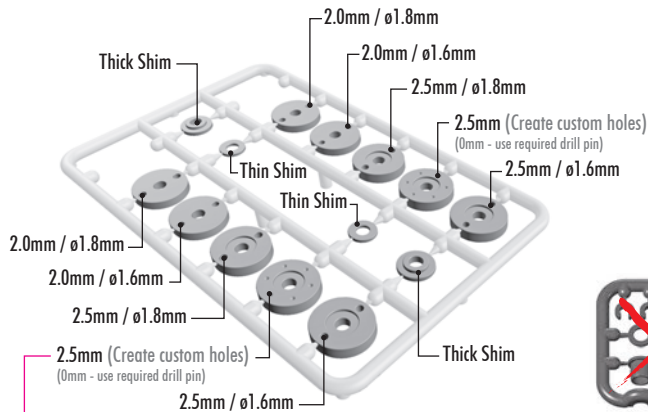
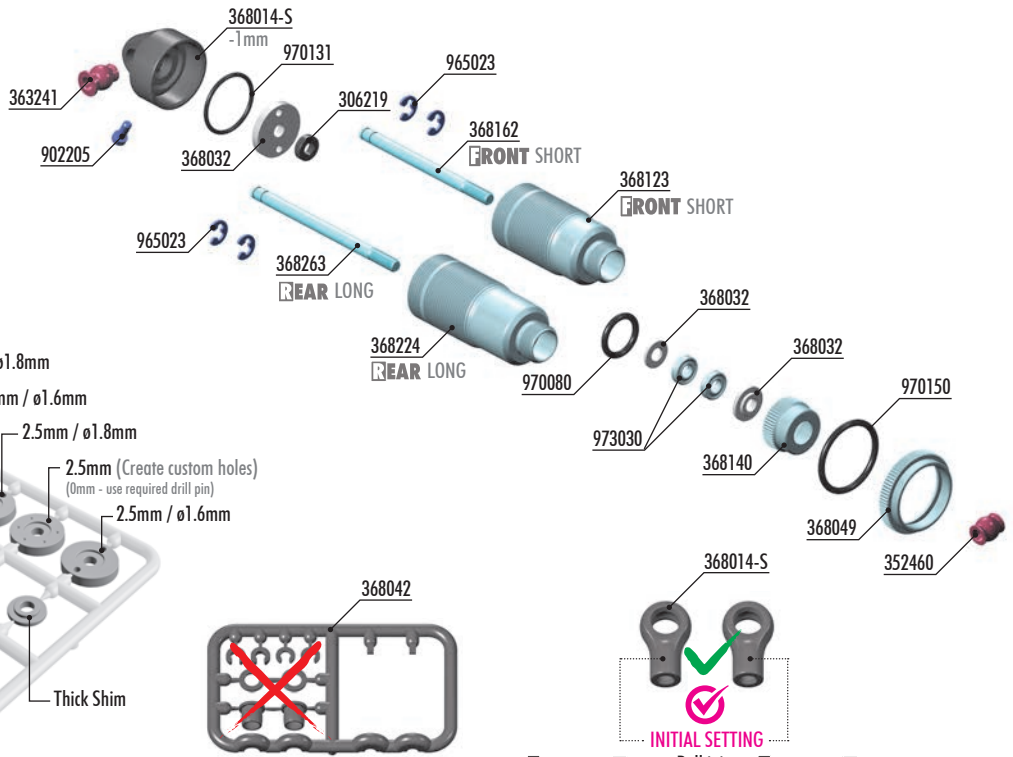


3. SHOCK ABSORBERS

CARPET

DIRT

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



! 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 Ball joint **FRONT & REAR**
CARPET 0mm **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)
- 902205 HEX SCREW SH M2x5 (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

368384 **CARPET** ...
FRONT SPRINGS

... 368484 **CARPET**
REAR SPRINGS

DO NOT use
Retaining collar
for initial setting
0mm

INITIAL SETTING
Retaining collar
-6mm
REAR

INITIAL SETTING
Retaining collar
-2mm
FRONT

DO NOT use
Retaining collar
for initial setting
-4mm

368024

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

368383 **DIRT** ...
FRONT SPRINGS

.. 368482 **DIRT**
REAR SPRINGS

INITIAL SETTING
Retaining collar
0mm
FRONT

DO NOT use
Retaining collar
for initial setting
-6mm

INITIAL SETTING
Retaining collar
-2mm
REAR

DO NOT use
Retaining collar
for initial setting
-4mm

368024

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)

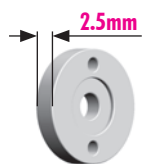
2. SHOCK ABSORBERS

CARPET

DIRT

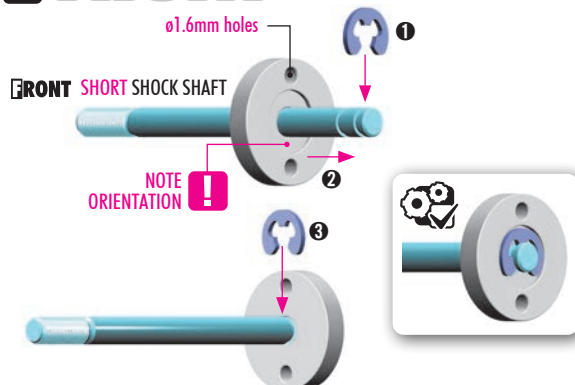
PISTONS ALTERNATIVE 1

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



CARPET
INITIAL PISTON
SETTING

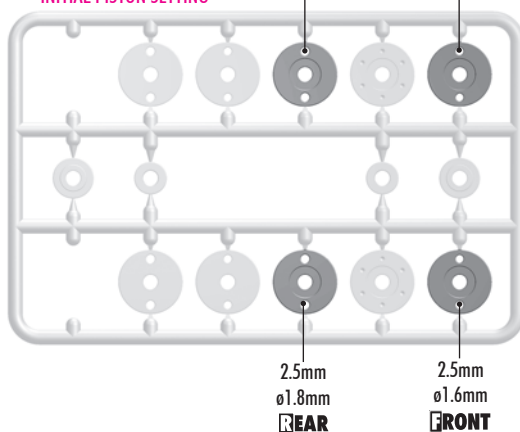
2x FRONT



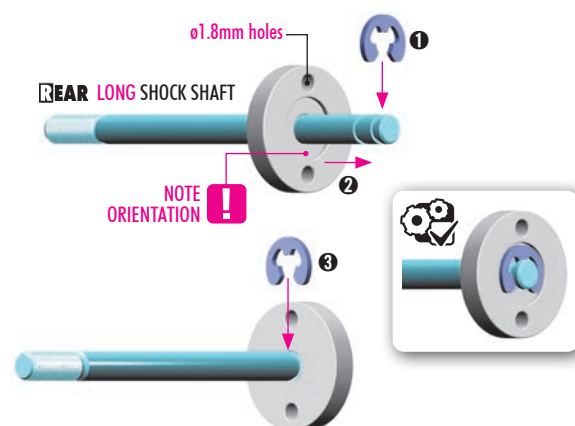
INITIAL PISTON SETTING

REAR
2.5mm
ø1.8mm

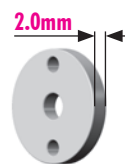
FRONT
2.5mm
ø1.6mm



2x REAR



DIRT
INITIAL PISTON
SETTING



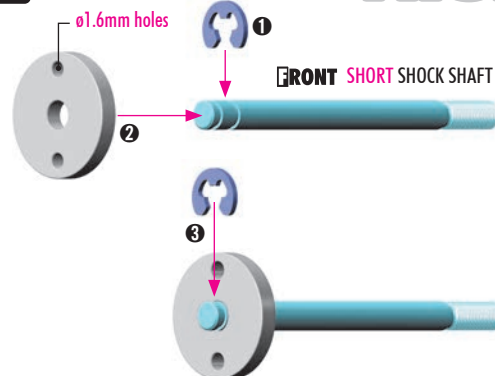
PISTONS ALTERNATIVE 2

We recommend for these types of surfaces and traction levels:

- ASTRO
- DIRT

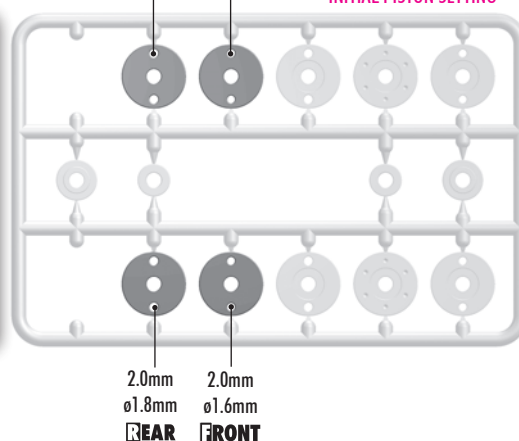
2x

FRONT



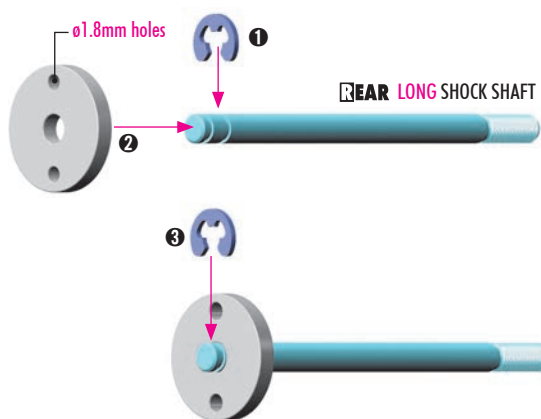
REAR
2.0mm
ø1.8mm

FRONT
2.0mm
ø1.6mm



2x

REAR



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



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



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



Use drill bits to create your own piston holes



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

2. SHOCK ABSORBERS

CARPET

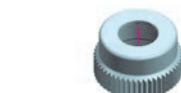
DIRT



2x FRONT

2x REAR

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



Silicone X-ring

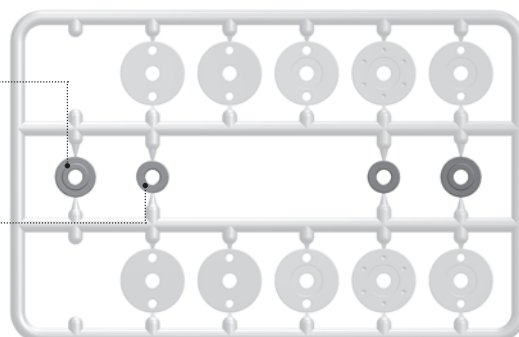
Silicone X-ring

THICK Shim

SILICONE OIL

THIN Shim

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



REAR
LONG SHOCK BODY



FRONT
SHORT SHOCK BODY



2x

SHORT SHOCK SHAFT

2x

LONG SHOCK SHAFT

FRONT
SHORT SHOCK BODY



REAR
LONG SHOCK BODY



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.

EXTREMELY IMPORTANT

INCORRECT

CORRECT

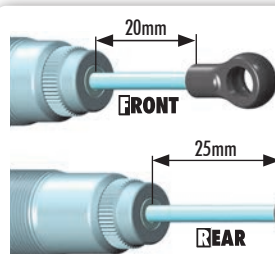


Install the pivot balls with #183011 HUDY Multi Tool

4x

0mm Ball Joint
FRONT & REAR
CARPET
DIRT

Pivot Ball in LOWER Ball Joint



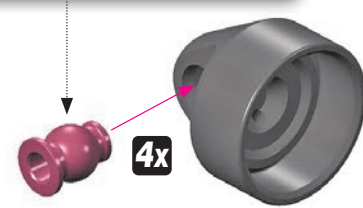
Check that Front and Rear shock pairs are the same overall length.



IMPORTANT

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

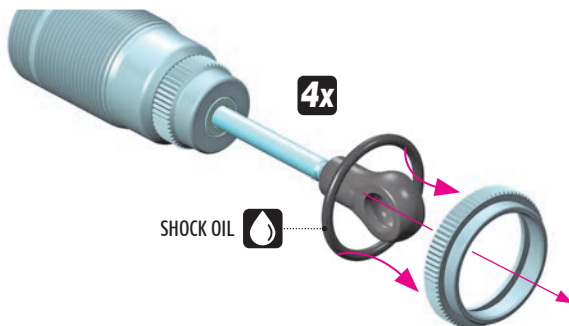
TIP
Install with HUDY Multi Tool.



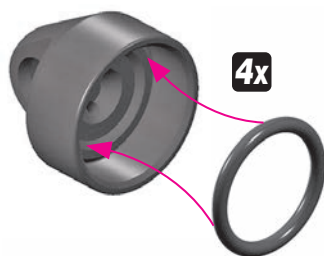
4x



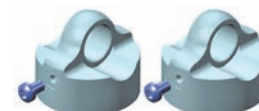
4x 970150
0 15x1.5



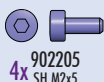
4x 970131
0 13x1



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



Alu 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 902205
SH M2x5



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

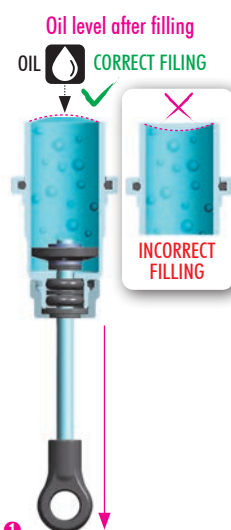
INITIAL SHOCK REBOUND SETTING 0% REBOUND



INITIAL SETTING

4x

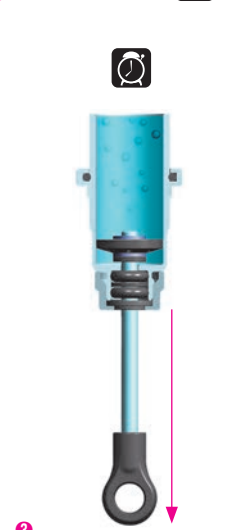
Follow the steps below to set the shock rebound to the default setting of 0%.



1 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.



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



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



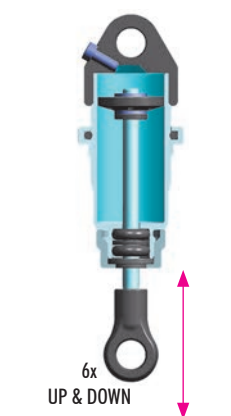
4 Gently place the shock cap onto the filled shock body and start to tighten the cup. Tighten the cap fully.



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



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



7 6x push the shaft up and down.



8 Untighten the screw.

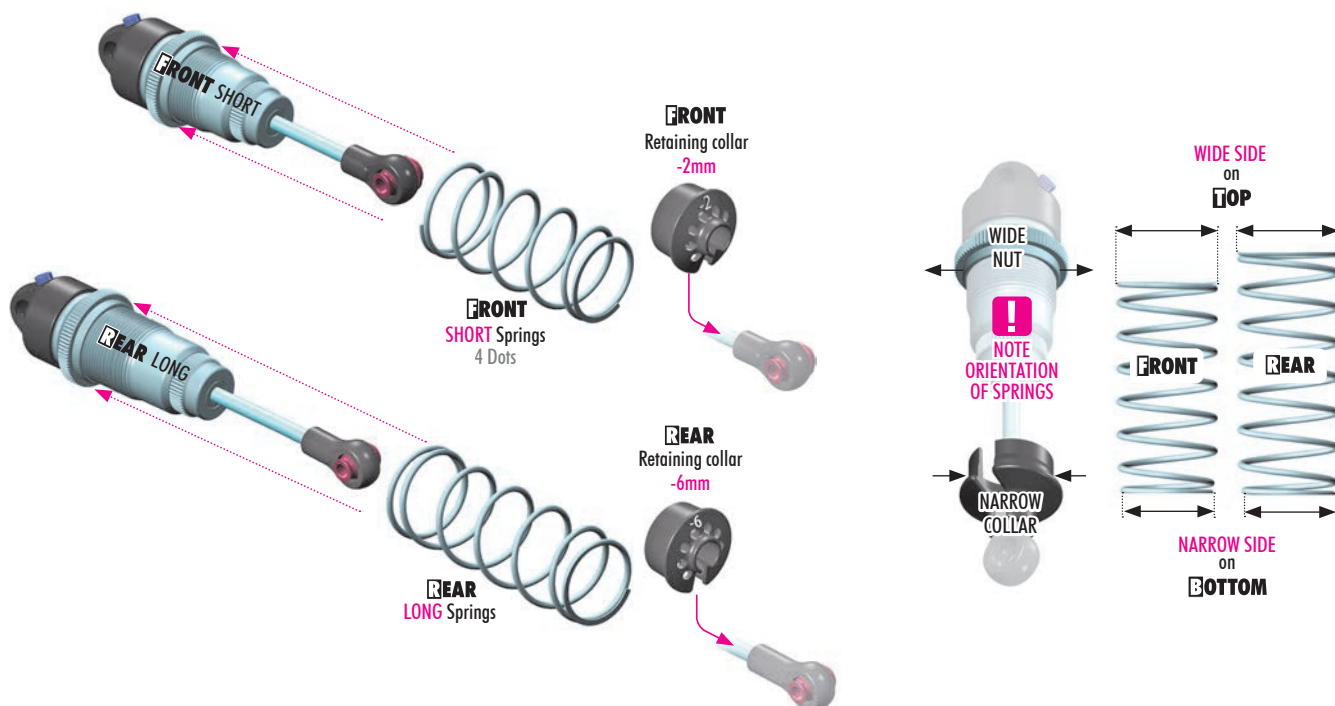


9 Gently push the shock shaft completely into the shock body. Excess oil will flow through the hole in the shock cap.



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

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.

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



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



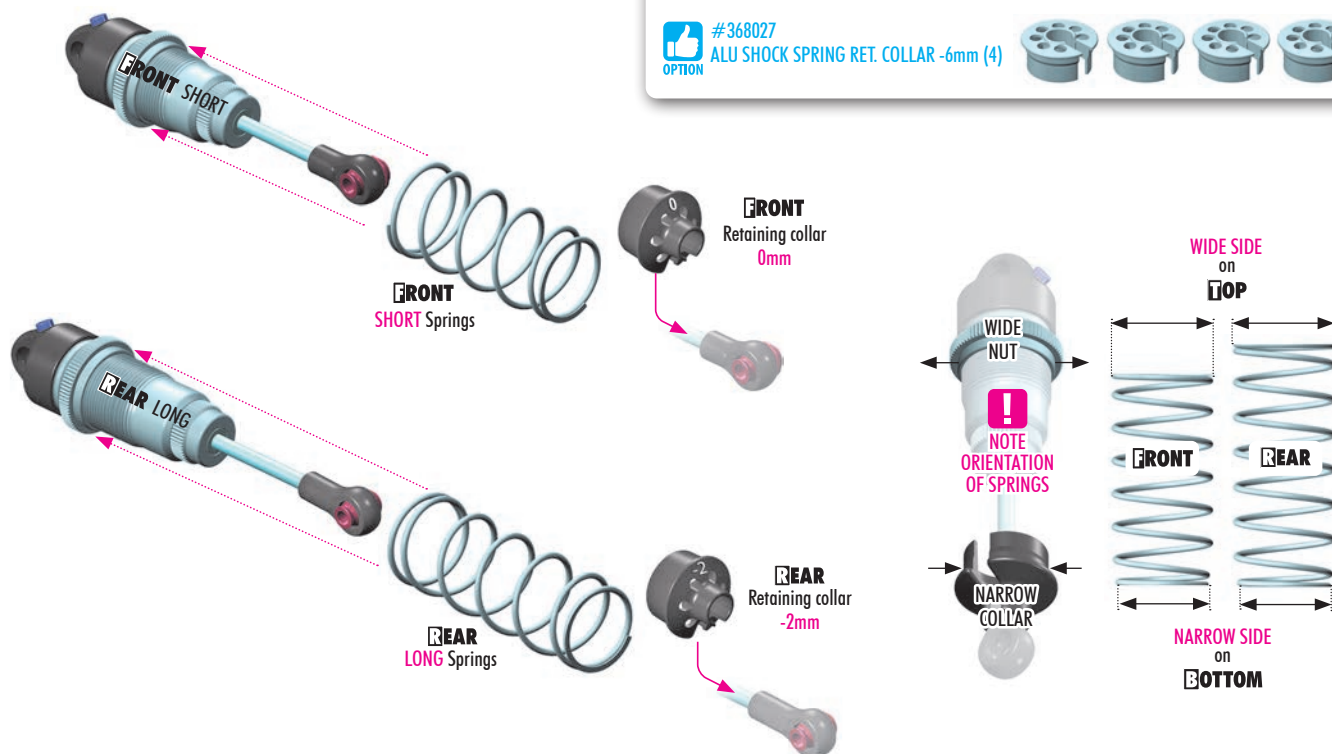
#368023
ALU SHOCK SPRING RET. COLLAR -4mm (4)
OPTION

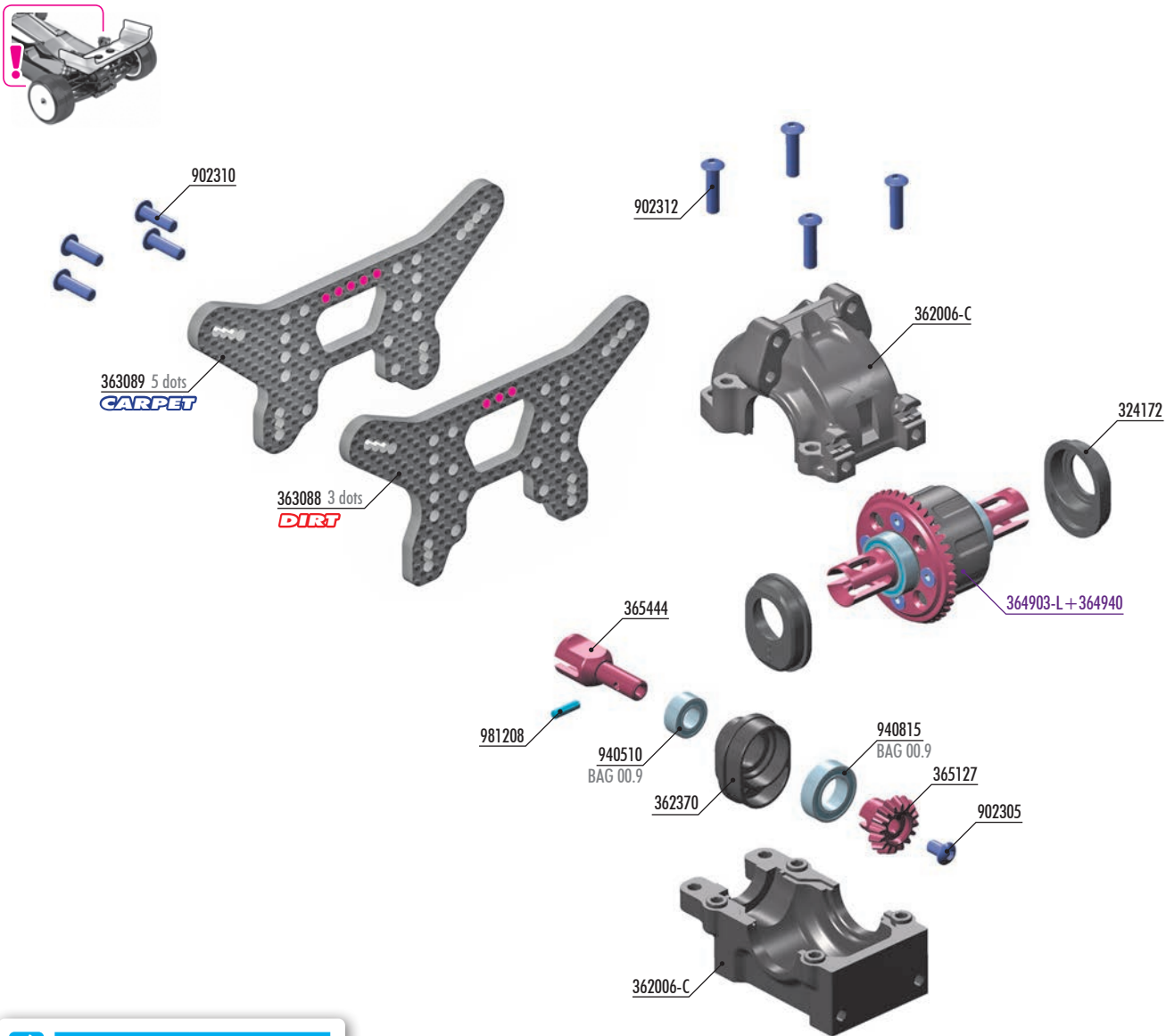


#368027
ALU SHOCK SPRING RET. COLLAR -6mm (4)
OPTION



DIRT INITIAL PARTS CONFIGURATION





XRAY BALL-BEARINGS

#359050	5x10x4	GREASE	OPTION
#940510	5x10x4	OIL	INCLUDED
#940814	8x14x4	GREASE	OPTION
#940815	8x14x4	OIL	INCLUDED



BALL-BEARING HUBS

#324172	1 DOT	OPTION
#324172	2 DOTS	OPTION
#324172	3 DOTS	INCLUDED



INLINE HUBS - REAR

#362370	1 DOT	OPTION
#362370	2 DOTS	OPTION
#362370	3 DOTS	INCLUDED



#365100
XRAY XB4 ACTIVE DIFFERENTIAL
FRONT/REAR - SET



ACTIVE DIFF SEGMENTS

#325123	60°	OPTION
#325125	90°	INCLUDED
#325127	120°	OPTION

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.



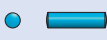
1x 902305
SH M3x5



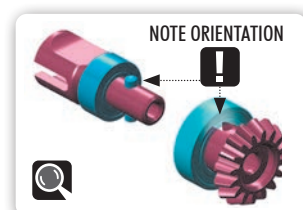
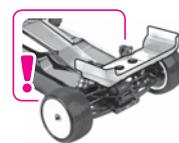
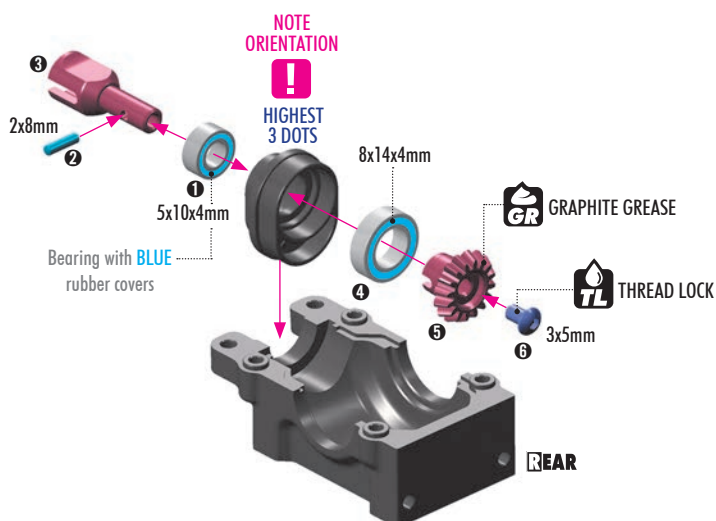
1x 940510
BB 5x10x4



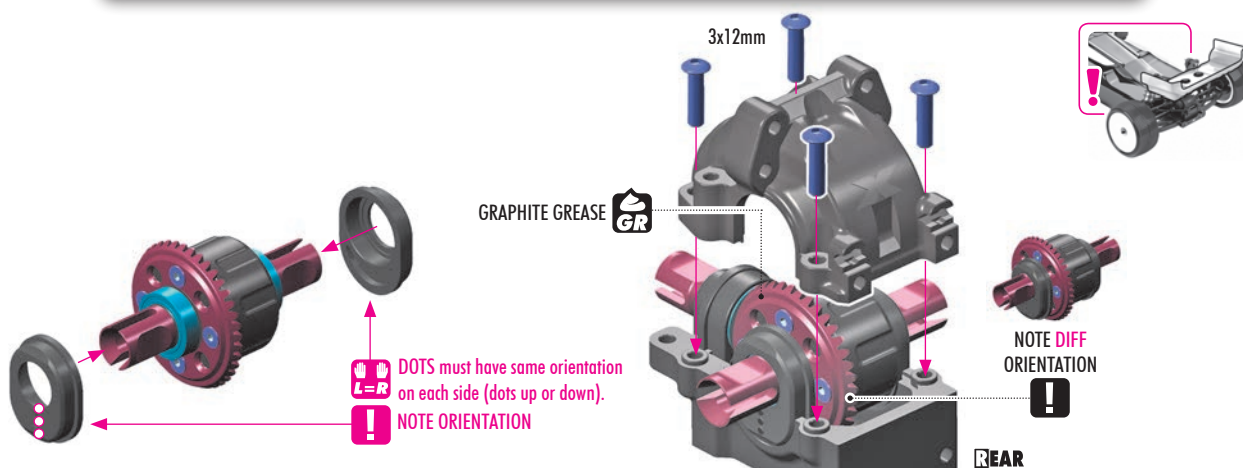
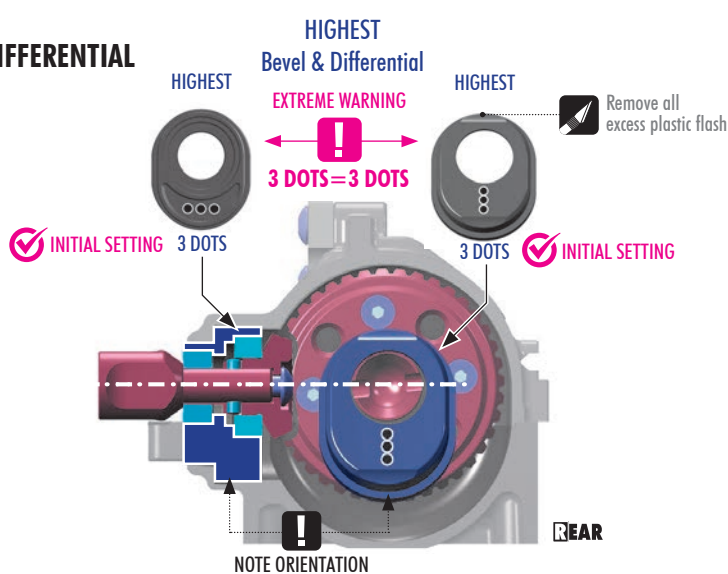
1x 940815
BB 8x14x4



1x 981208
P 2x8

**CARPET**

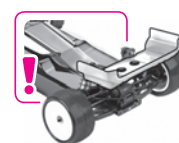
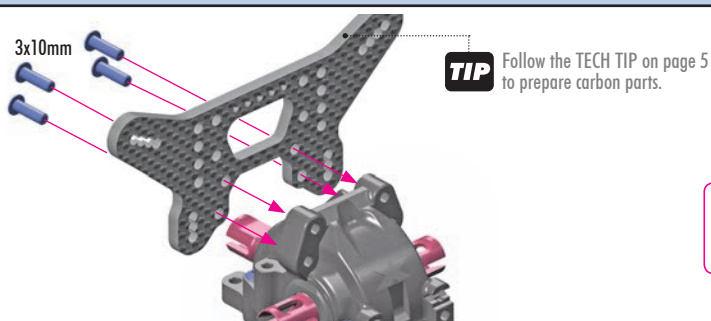
BEVEL DRIVE GEAR & DIFFERENTIAL HEIGHT ADJUSTMENT

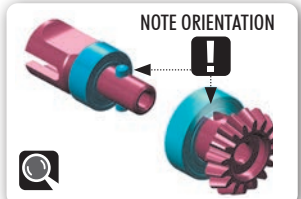
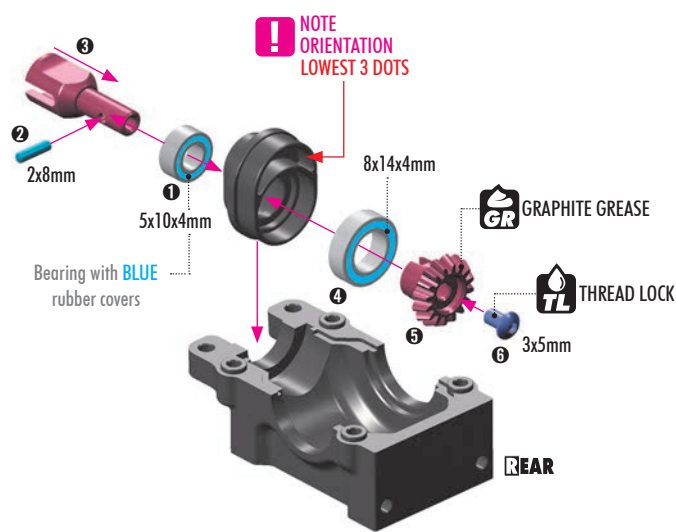
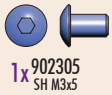


4x 902312
SH M3x12



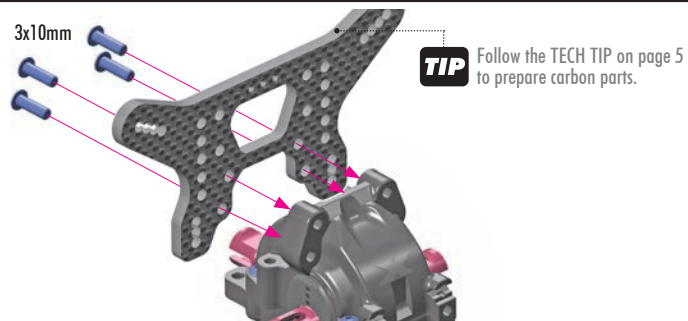
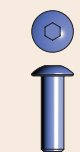
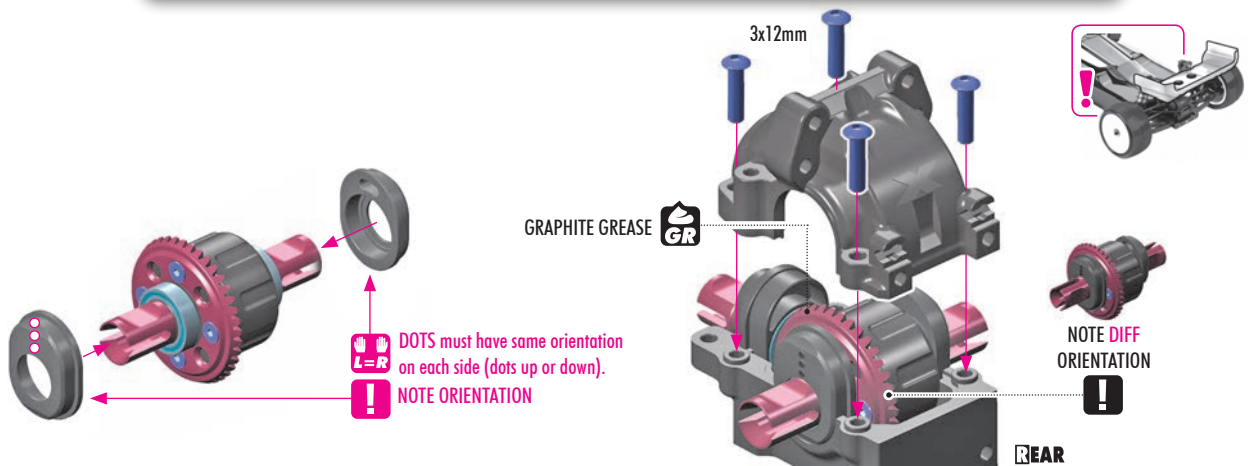
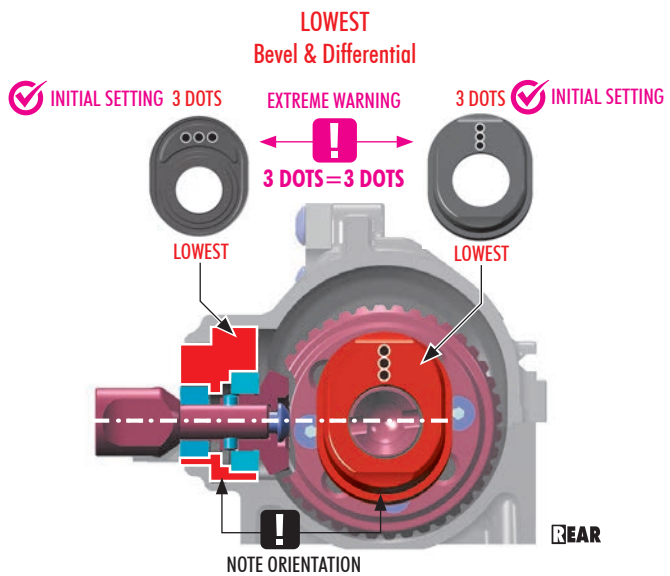
4x 902310
SH M3x10

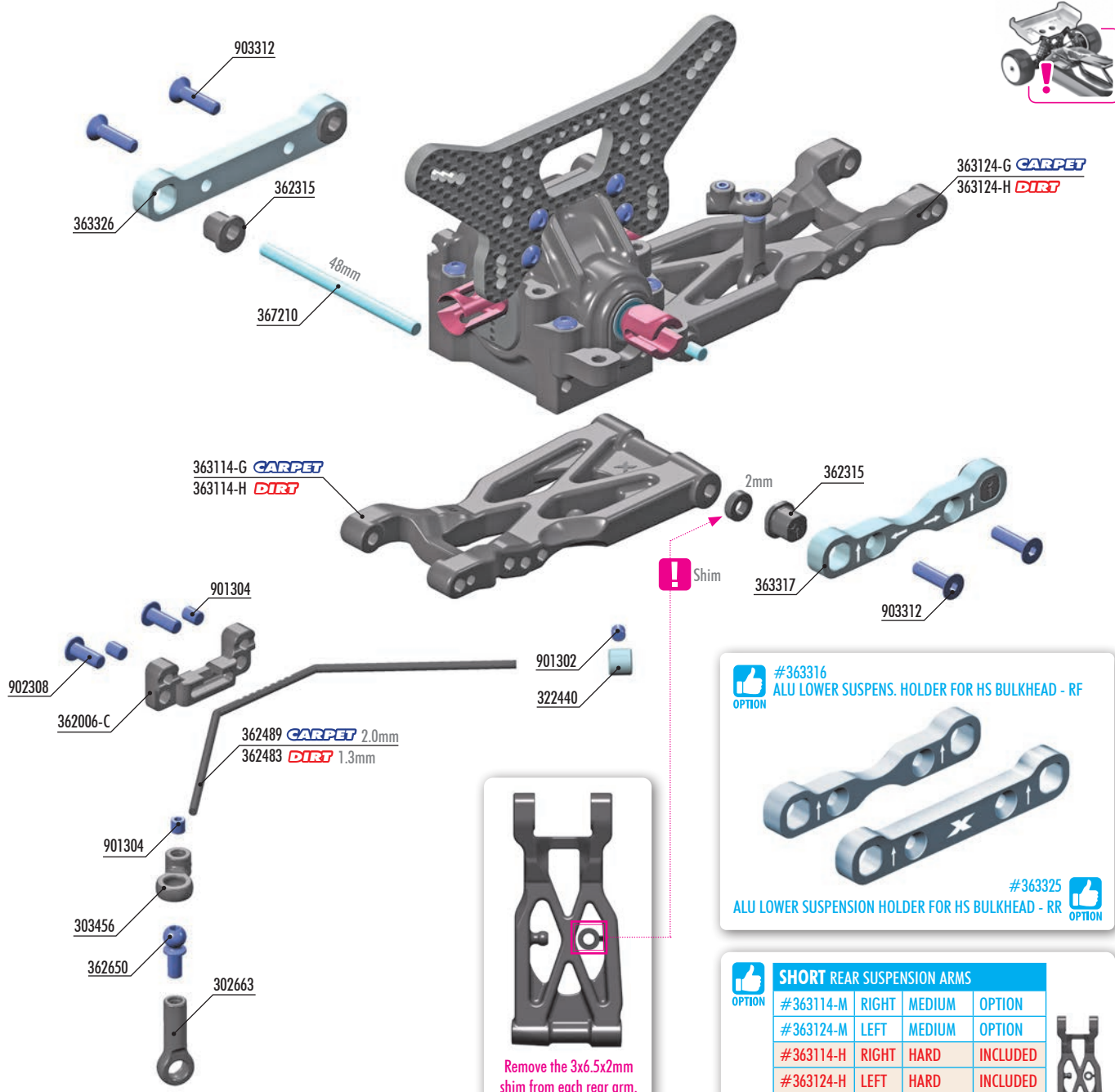




DIRT

REAR BEVEL DRIVE GEAR & DIFFERENTIAL HEIGHT ADJUSTMENT





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



REAR ANTI-ROLL BARS

#	THICKNESS	STATUS
#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



HUDY TITAN BALL ENDS

#	SIZE	STATUS
#990006	6mm Thread	OPTION



#363316

ALU LOWER SUSPENS. HOLDER FOR HS BULKHEAD - RF



#363325

ALU LOWER SUSPENSION HOLDER FOR HS BULKHEAD - RR



SHORT REAR SUSPENSION ARMS

#	TYPE	THICKNESS	STATUS
#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



LONG REAR SUSPENSION ARMS

#	TYPE	THICKNESS	STATUS
#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



BAG

05

- 302663 COMPOSITE BALL JOINT 4.9mm - OPEN - V2 (8)
- 303456 COMPOSITE ANTI-ROLL BAR ø2.0mm 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

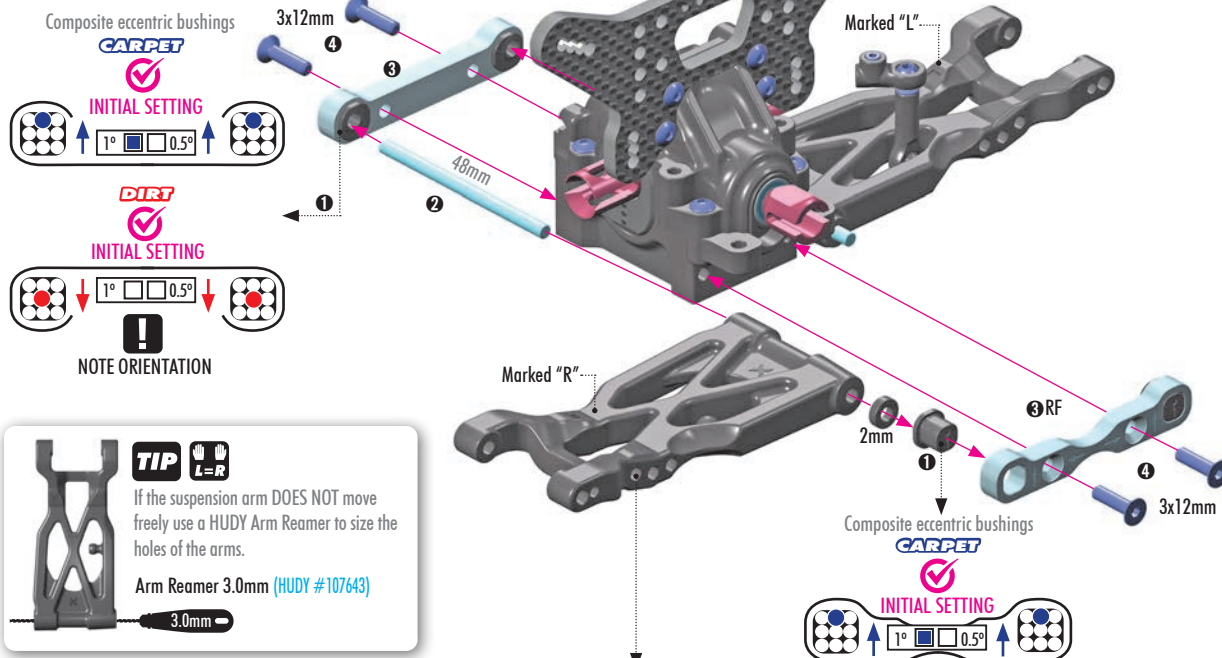
CARPET

- 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.

10
2x From Rear Arm
SHIM 3x6.5x2

4x 903312
SFH M3x12



SHORT REAR SUSPENSION ARMS

OPTION	Part Number	Side	Material	Status
	#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



LONG REAR SUSPENSION ARMS

OPTION	Part Number	Side	Material	Status
	#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



ALU LOWER SUSPENS. HOLDER FOR HS BULKHEAD - RF



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 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

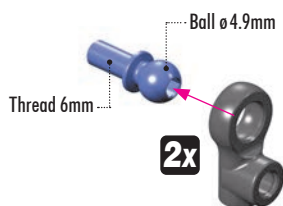
TRACK-WIDTH		
RR	RF	(mm)
		=+1.5mm
		=0mm
		=-1.5mm

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.

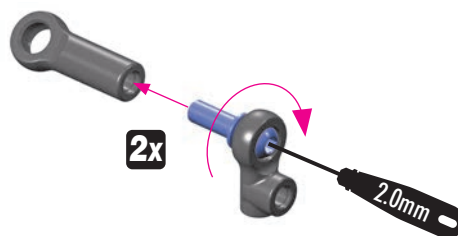
TOE-IN		
RR	RF	(°)
		=3°
		=4°
		=2°
		=2°
		=3°
		=1°
		=4°
		=5°
		=3°

L=R LEFT = RIGHT

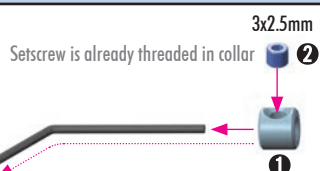


TIP Install with HUDY Multi Tool.

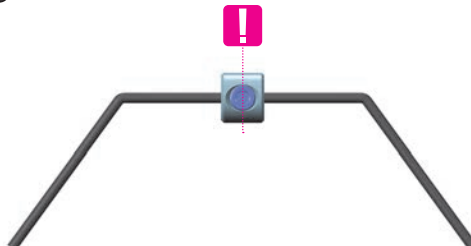
HUDY TITAN BALL ENDS
 OPTION #990006 6mm Thread OPTION



1x 901302
SB M3x2.5



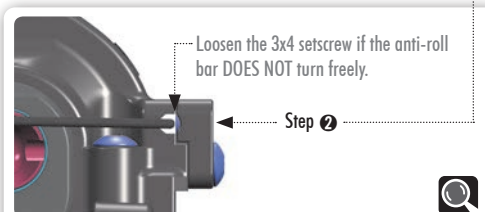
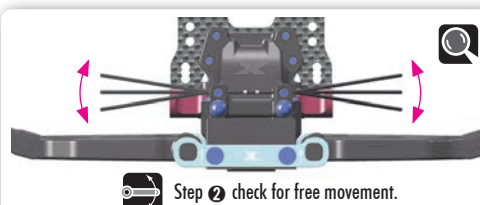
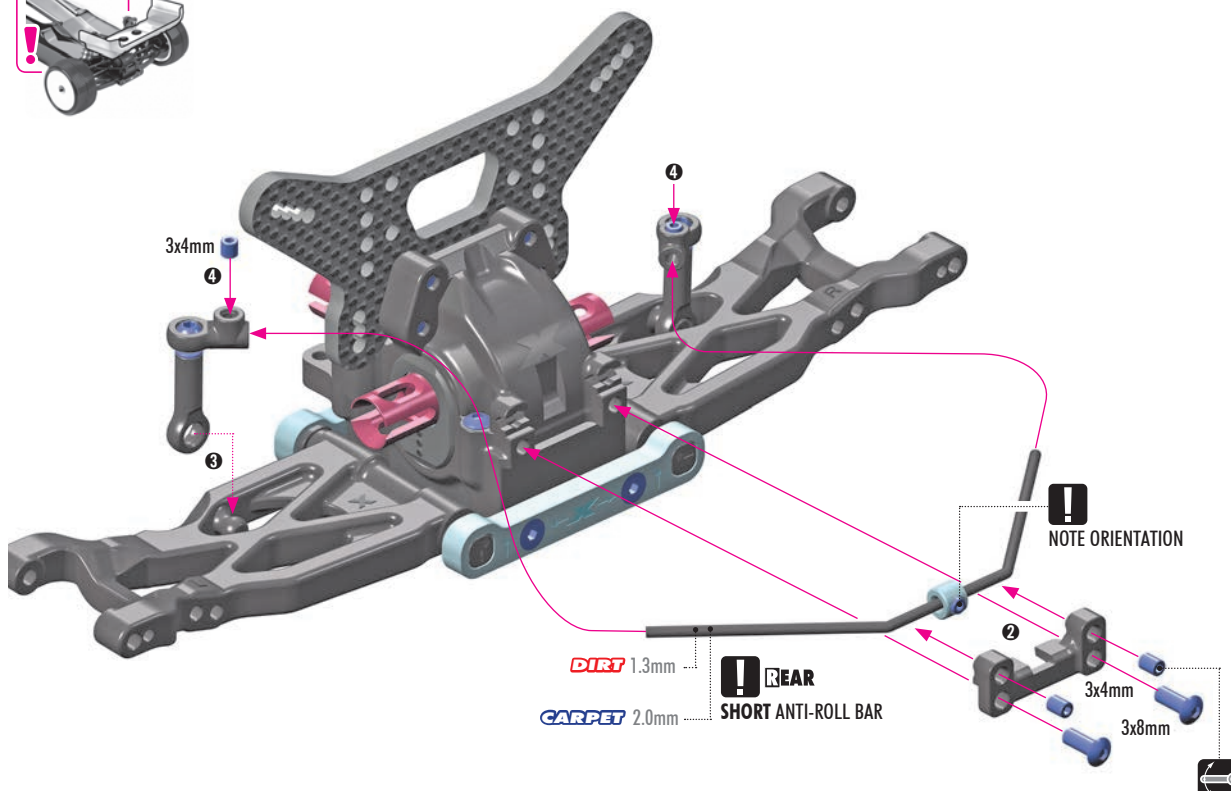
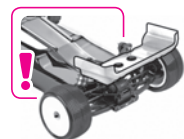
Set the collar into the **CENTER** of rear anti-roll bar.

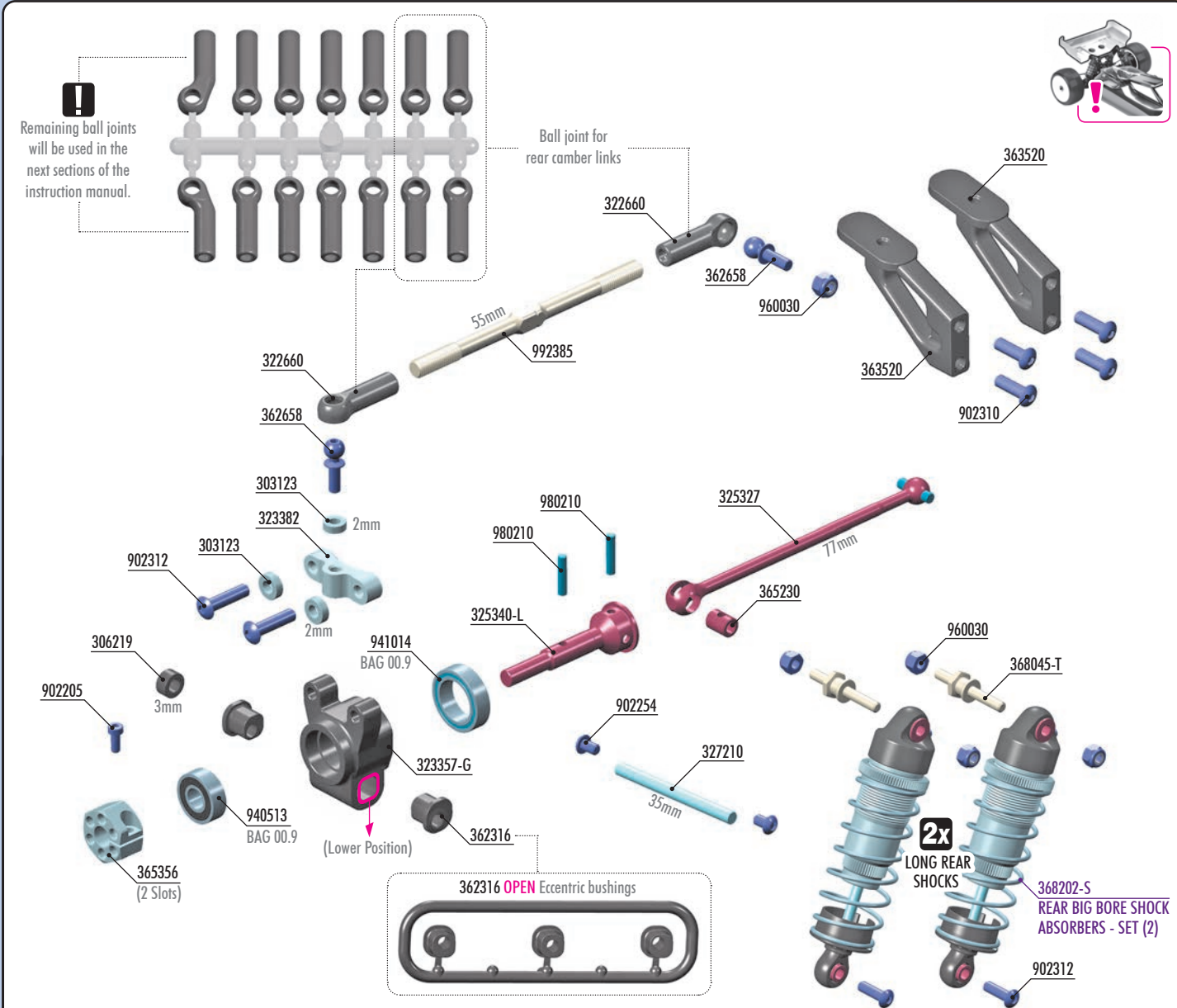


OPTION	REAR ANTI-ROLL BARS	
#362481	1.1mm	OPTION
#362482	1.2mm	OPTION
#362483	1.3mm	INCLUDED
#362484	1.4mm	OPTION
#362486	1.6mm	OPTION
#362488	1.8mm	OPTION
#362489	2.0mm	INCLUDED

4x 901304
SB M3x4

2x 902308
SH M3x8



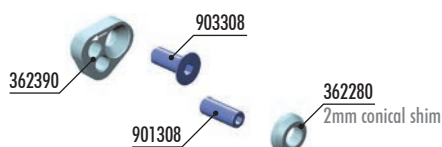
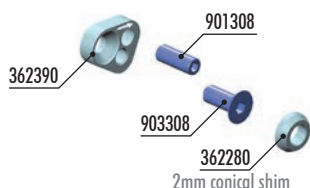


- 303123 ALU SHIM 3x6x2.0mm (10)
- 306219 COMPOSITE SET OF SERVO SHIMS (4)
- 322660 COMPOSITE BALL JOINT 5.4mm (12+1+1)
- 323357-G COMPOSITE UPRIGHT REAR - LOWER POSITION - GRAPHITE
- 323382 ALU REAR HUB PLATE FOR MULTI ADJ. UPRIGHT - 1-HOLE
- 325327 REAR DRIVE SHAFT 77mm WITH 2.5mm PIN - SPRING STEEL™
- 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

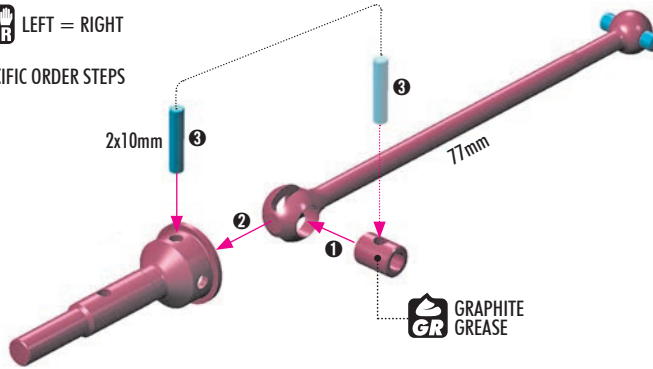


- XB4 FINAL SHOCK ASSEMBLY SET** CARPET
- 362280 ALU CONICAL SHIM 3x6x2.0MM (10)
 - 362390 ALU REAR SHOCK ABSORBER ADAPTER (1+1) - SET

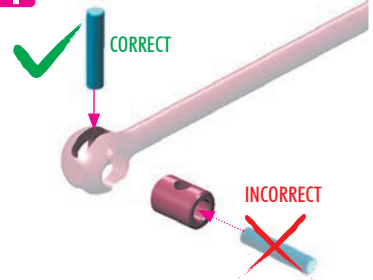
- 901308 HEX SCREW SB M3x8 (10)
- 903308 HEX SCREW SFH M3x8 (10)

2x 980210
P 2x10

2x LEFT = RIGHT
SPECIFIC ORDER STEPS



EXTREMELY IMPORTANT



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



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

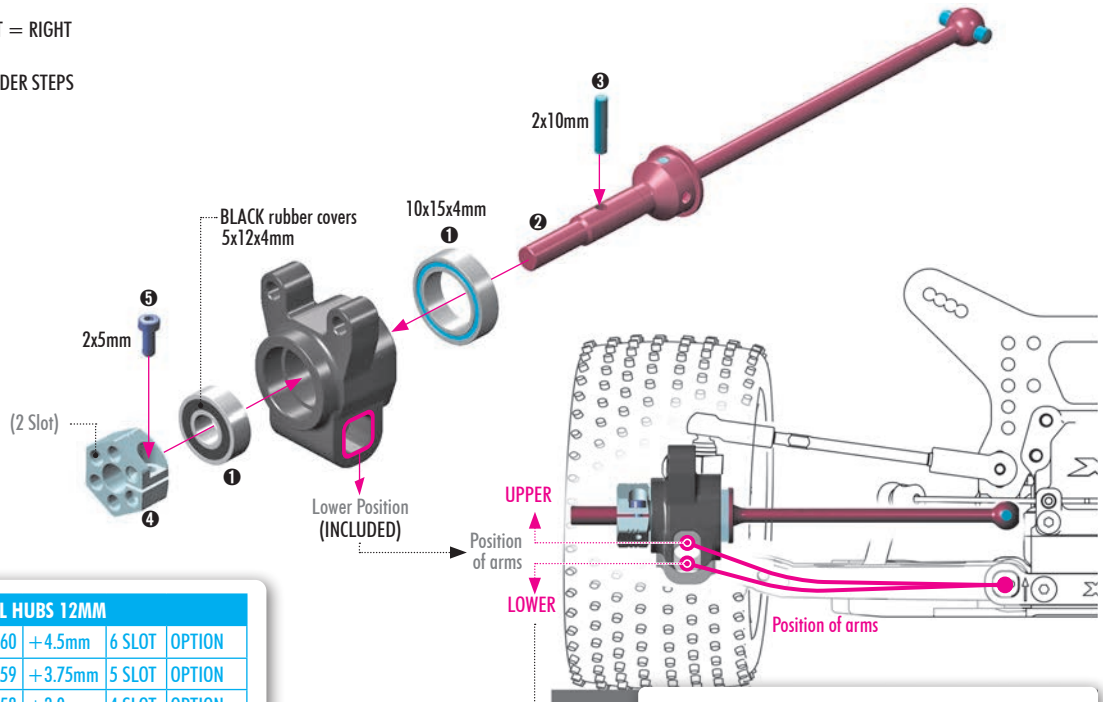
2x 902205
SH M2x5

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 LEFT = RIGHT

4x **OPEN**
Eccentric bushings

INITIAL SETTING ORIENTATION

SIDE orientation
CENTER orientation
CORNER orientation

2x LEFT = RIGHT

Open bushings must have same orientation on each side.

4x 303123
SHIM 3x6x2

4x 902312
SH M3x12

2x LEFT = RIGHT

INITIAL SETTING ORIENTATION

Alternative orientation

2mm

3x12mm

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.

SHORTER WHEELBASE
DIRT

LONGER WHEELBASE
CARPET

INITIAL SETTING
Shim behind hub 3mm

INITIAL SETTING
Shim in front of hub 3mm

2.5x4mm

TIGHTEN GENTLY

35mm

TIGHTEN GENTLY

ASSEMBLED VIEW

CHECK FOR FREE MOVEMENT

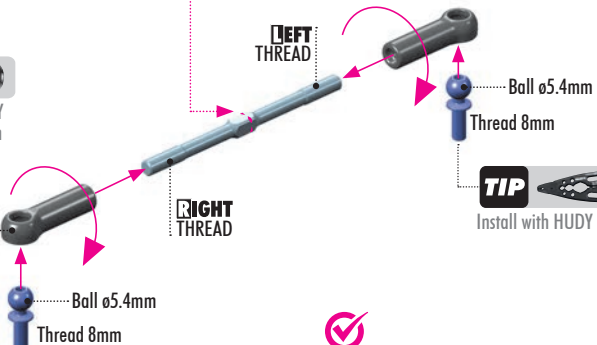
2x

 LEFT = RIGHT

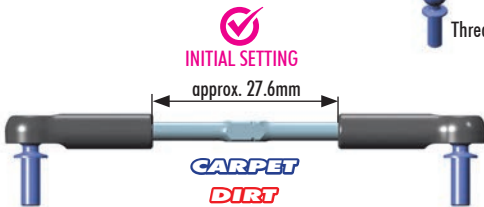


! SLOT ORIENTATION

TIP 
Install with HUDY Ball Joint Wrench

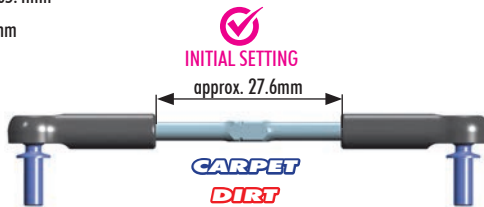


TIP 
Install with HUDY Multi Tool.



INITIAL SETTING
approx. 27.6mm

CARPET
DIRT



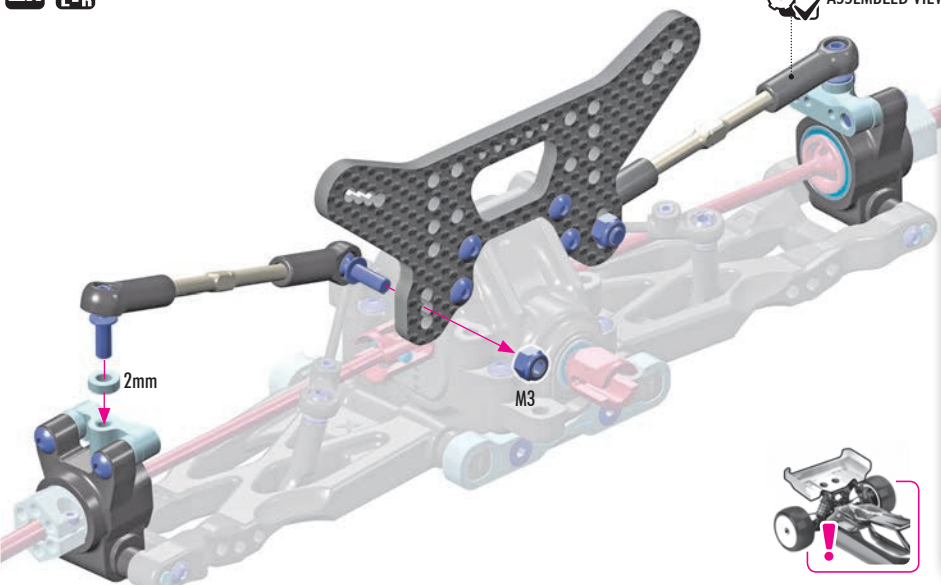
INITIAL SETTING
approx. 27.6mm

CARPET
DIRT

- 
2x 303123 SHIM 3xøx2
- 
2x 960030 N M3

2x

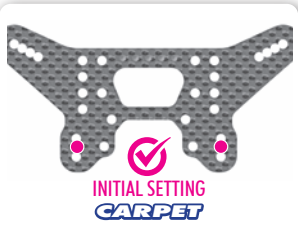
 LEFT = RIGHT



2mm

M3

ASSEMBLED VIEW



INITIAL SETTING
CARPET



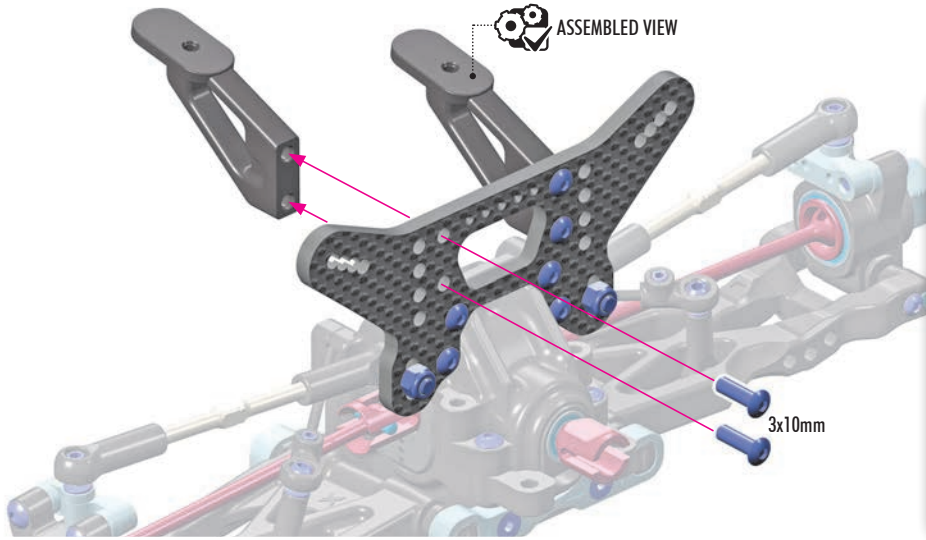
INITIAL SETTING
DIRT



- 
4x 902310 SH M3x10

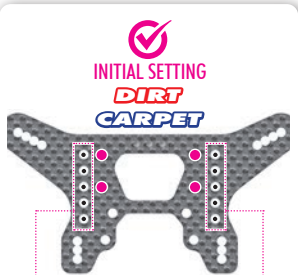
2x

 LEFT = RIGHT



ASSEMBLED VIEW

3x10mm



INITIAL SETTING
DIRT



REAR WING POST

When using the LUSH WIDE wing, do not use the outer holes for lowering the wing. Use only the initial setting.



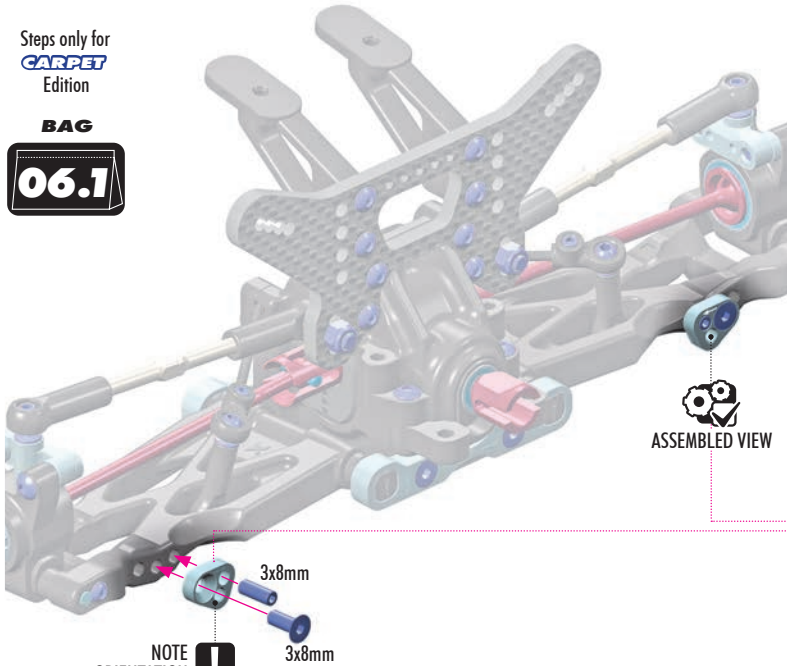


2x LEFT = RIGHT

Steps only for
CARPET
Edition

BAG

06.1



ASSEMBLED VIEW

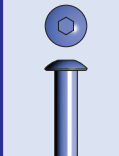
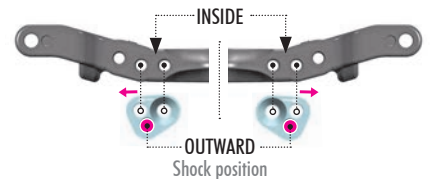
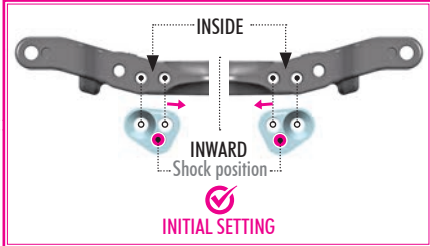
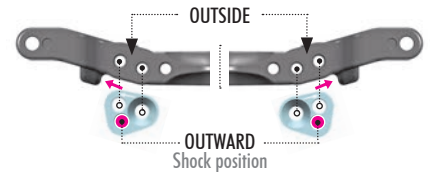
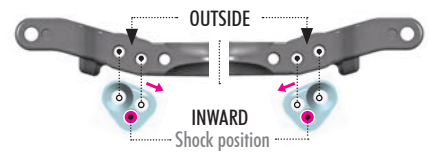
NOTE
ORIENTATION



SHOCK POSITION ALTERNATIVES

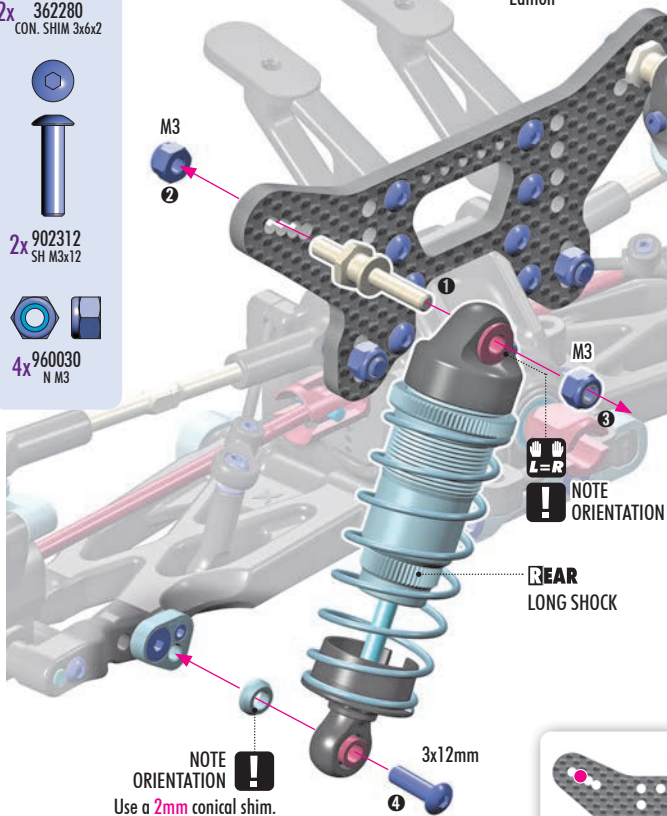
RIGHT ARM

LEFT ARM



2x LEFT = RIGHT

Steps only for
CARPET
Edition

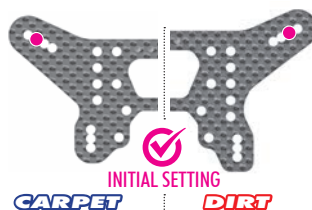


NOTE
ORIENTATION
Use a 2mm conical shim.

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

NOTE
ORIENTATION

REAR
LONG SHOCK

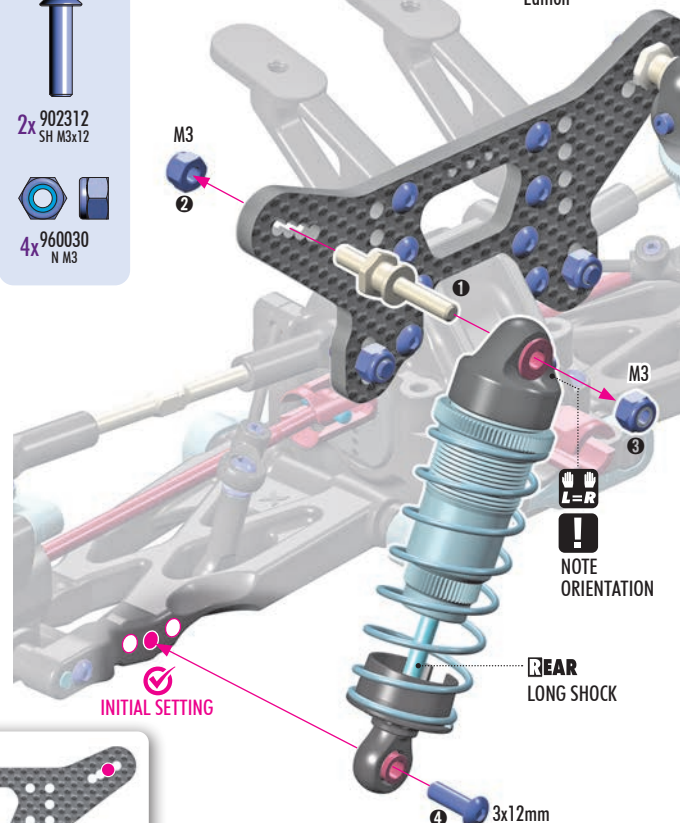


INITIAL SETTING
CARPET **DIRT**



2x LEFT = RIGHT

Steps only for
DIRT
Edition



INITIAL SETTING

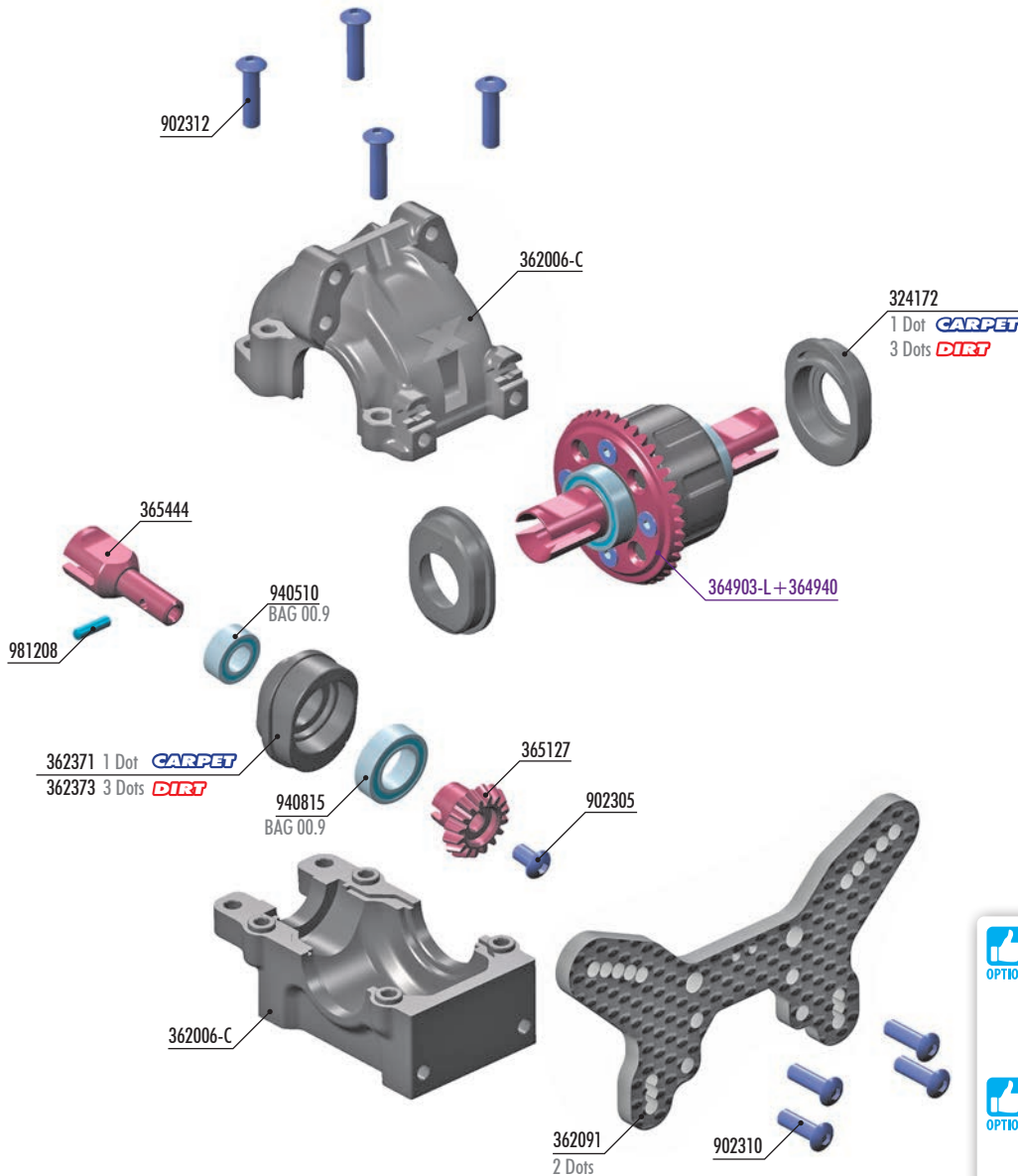
REAR
LONG SHOCK

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



ACTIVE DIFF SEGMENTS

#325123	60°		OPTION
#325125	90°		INCLUDED
#325127	120°		OPTION



 OPTION

BALL-BEARING HUBS

#324172	1 DOT	INCLUDED
#324172	2 DOTS	OPTION
#324172	3 DOTS	INCLUDED



 OPTION

ANGLE HUBS - FRONT

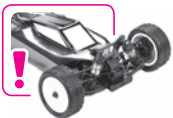
#362371	1 DOT	INCLUDED
#362372	2 DOTS	OPTION
#362373	3 DOTS	INCLUDED



 OPTION

XRAY BALL-BEARINGS

#359050	5x10x4	GREASE	OPTION
#940510	5x10x4	OIL	INCLUDED
#940814	8x14x4	GREASE	OPTION
#940815	8x14x4	OIL	INCLUDED



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

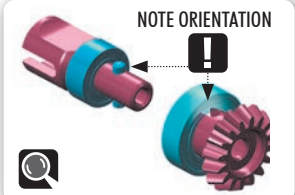
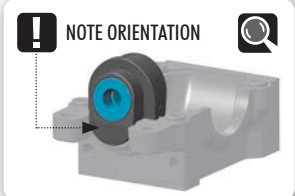
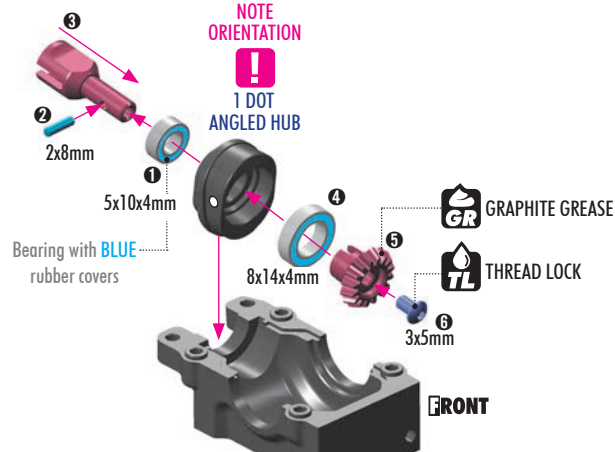
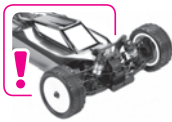
CARPET

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

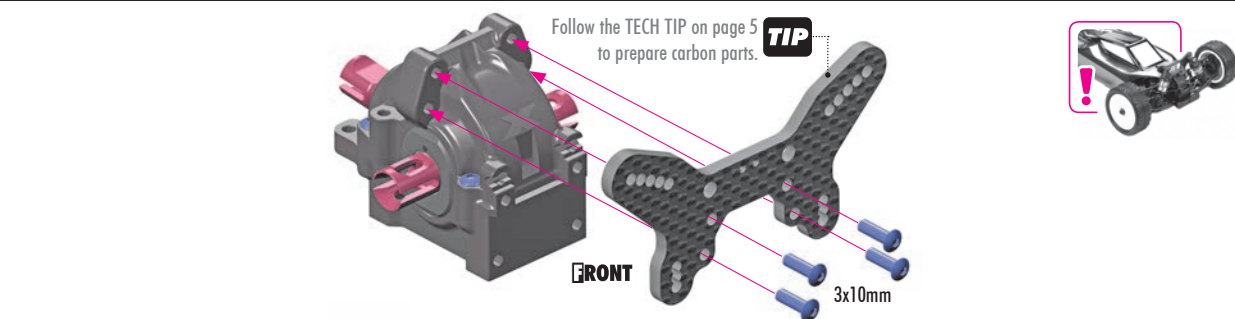
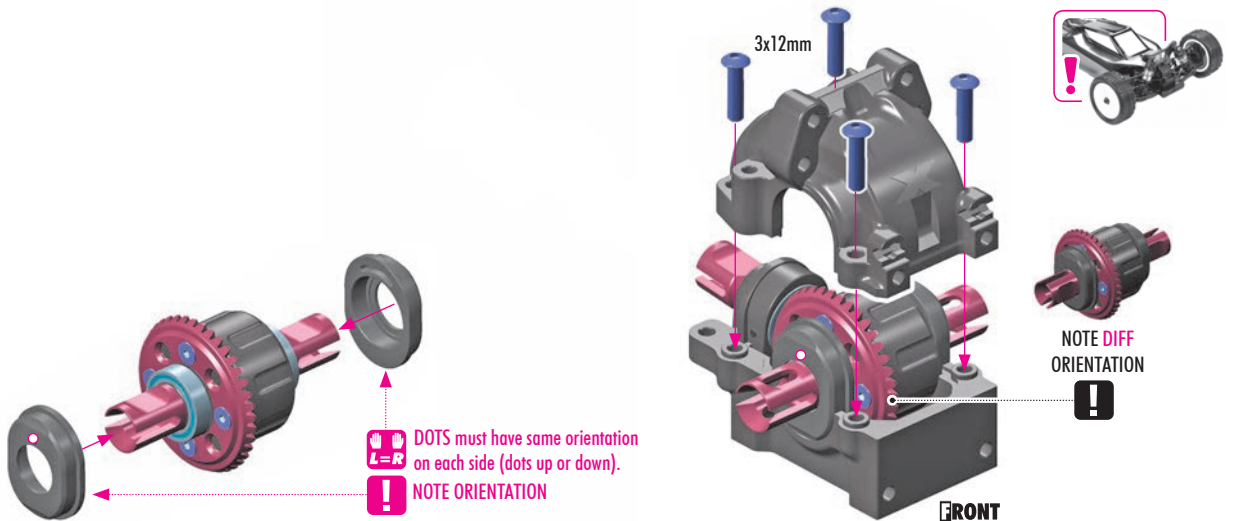
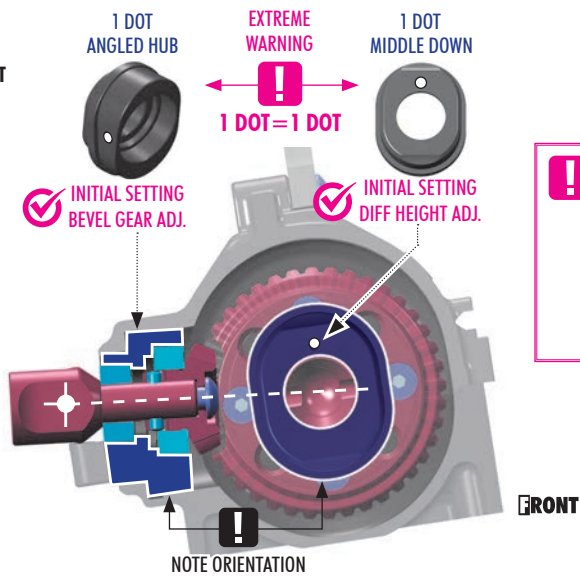
DIRT

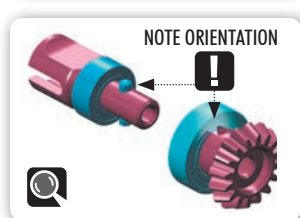
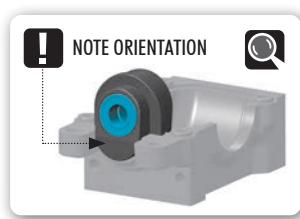
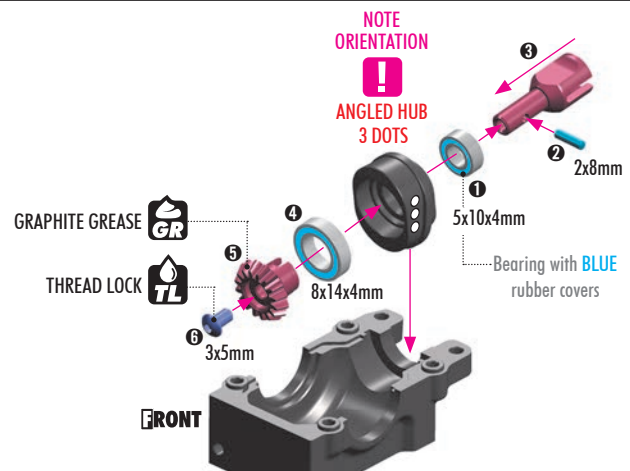
362373 ANGLED HUB FOR BEVEL DRIVE GEAR - FRONT HS BULKHEAD - 3 DOTS
324172 COMPOSITE ADJUSTMENT BALL-BEARING HUB - 3 DOTS (2)

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

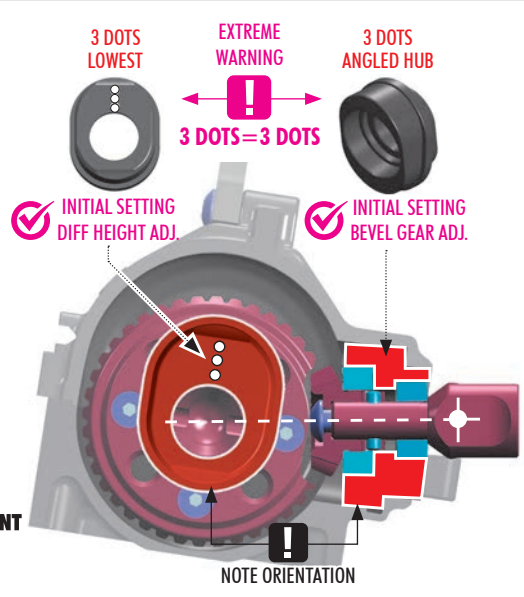


FRONT BEVEL DRIVE GEAR & DIFFERENTIAL HEIGHT ADJUSTMENT

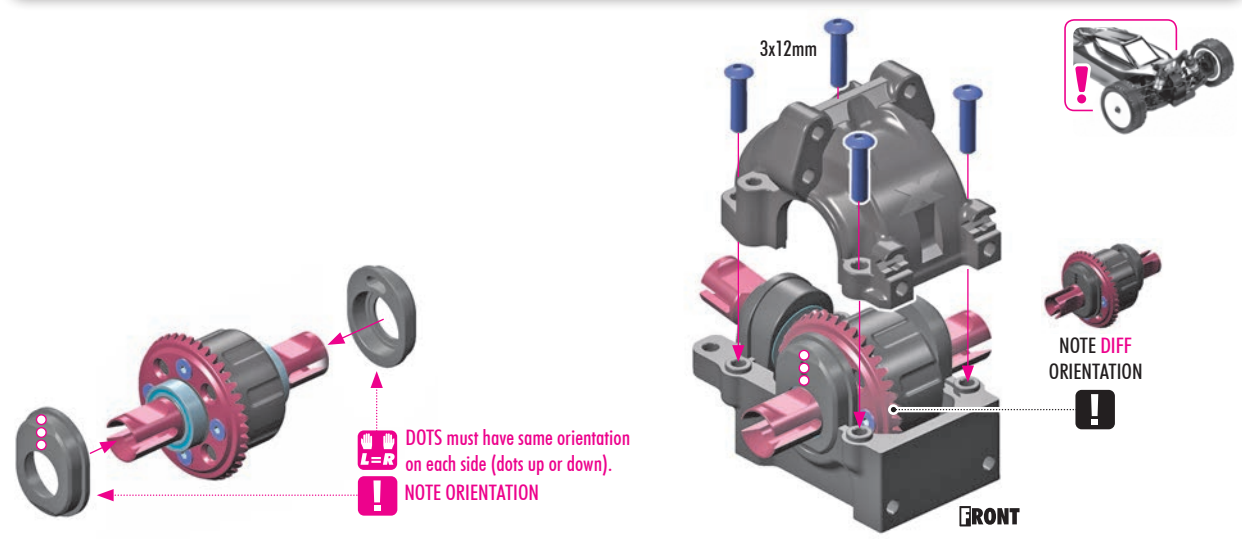




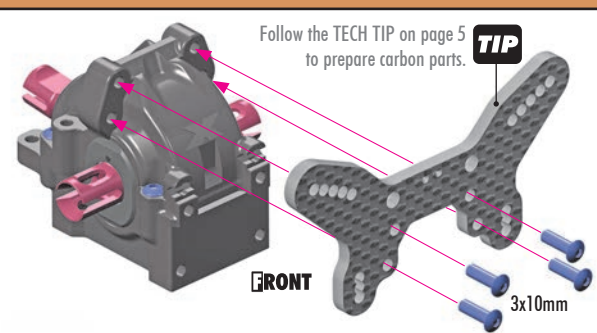
DIRT
FRONT BEVEL DRIVE GEAR & DIFFERENTIAL HEIGHT ADJUSTMENT

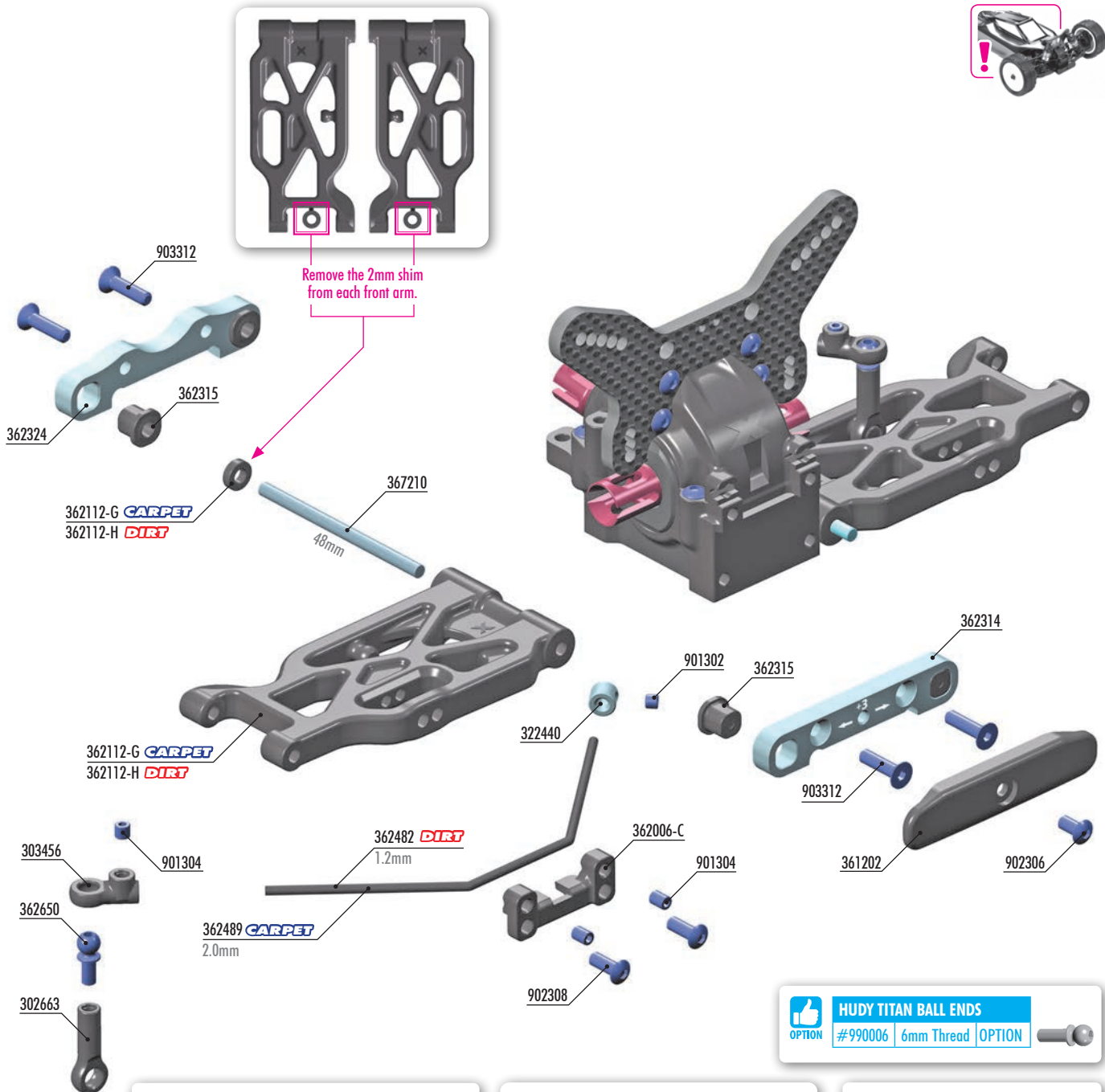
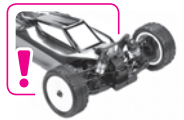


4x 902312 SH M3x12



4x 902310 SH M3x10





HUDY TITAN BALL ENDS
 OPTION #990006 6mm Thread OPTION

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

NARROW NARROW

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

SHORT FRONT SUSPENSION ARMS
 OPTION

#362112	MEDIUM	OPTION
#362112-H	HARD	INCLUDED
#362112-G	GRAPHITE	INCLUDED

LONG FRONT SUSPENSION ARMS
 OPTION

#362113-H	HARD	OPTION
#362113-G	GRAPHITE	OPTION

FRONT ANTI-ROLL BARS
 OPTION

#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



- 302663 COMPOSITE BALL JOINT 4.9mm - OPEN - V2 (8)
- 303456 COMPOSITE ANTI-ROLL BAR ø2.0mm 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)

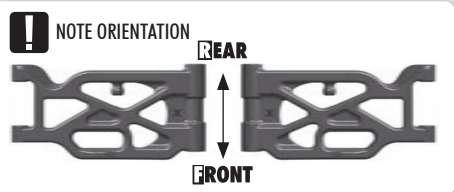
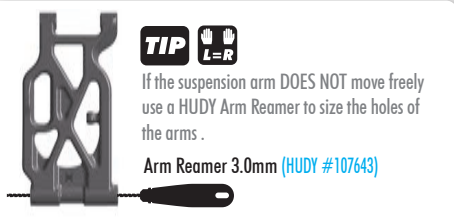
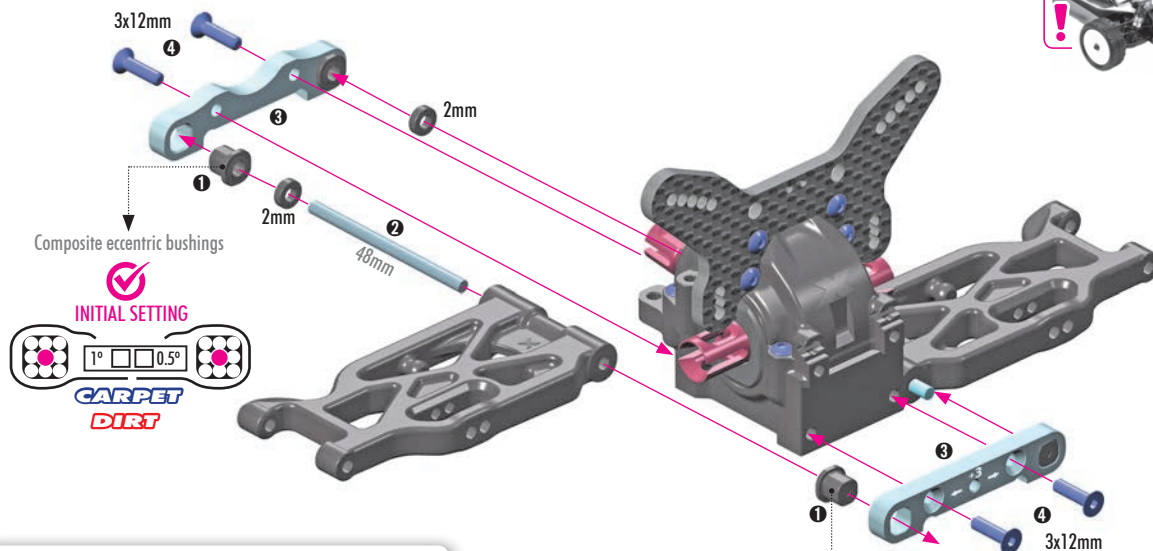
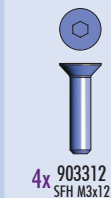
- 901304 HEX SCREW SB M3x4 (10)
- 902306 HEX SCREW SH M3x6 (10)
- 902308 HEX SCREW SH M3x8 (10)
- 903312 HEX SCREW SFH M3x12 (10)

- 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



SHORT FRONT SUSPENSION ARMS				
OPTION				
#362112	MEDIUM	OPTION		
#362112-H	HARD	INCLUDED		
#362112-G	GRAPHITE	INCLUDED		
LONG FRONT SUSPENSION ARMS				
OPTION				
#362113-H	HARD	OPTION		
#362113-G	GRAPHITE	OPTION		

ECCENTRIC BUSHINGS HAVE TWO DIFFERENT OFFSETS FROM THE 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.

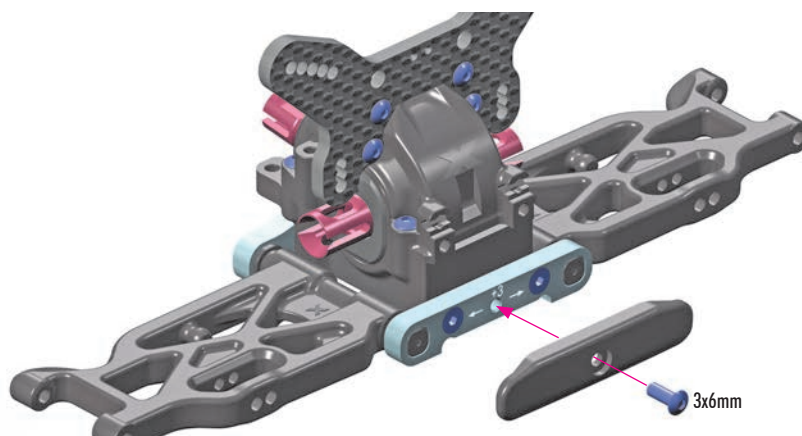
TOTAL CASTER=C-HUB CASTER+KICK UP					
C-HUB CASTER	KICK-UP				
	6°	7°	8°	9°	10°
6°	12°	13°	14°	15°	16°
9°	15°	16°	17°	18°	19°

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 kick up angle effects total caster.

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



1x 902306
SH M3x6



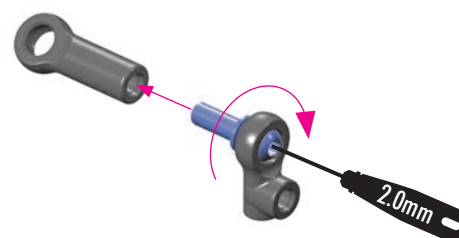
2x



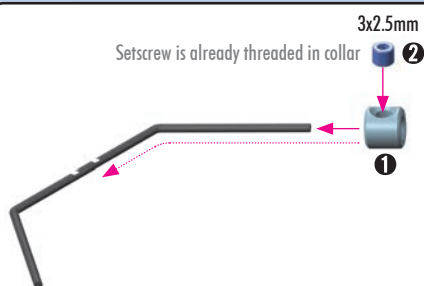
TIP Install with HUDY Multi Tool.

#990006
HUDY TITAN BALL ENDS
OPTION 6mm THREAD

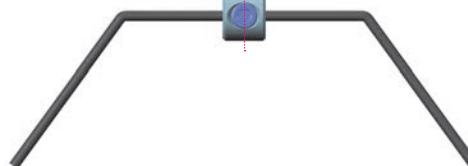
2x



1x 901302
SB M3x2.5



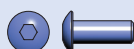
Set the collar into the **CENTER** of rear anti-roll bar.



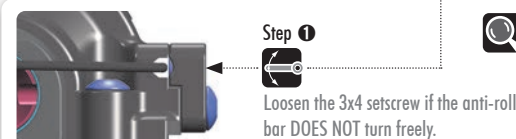
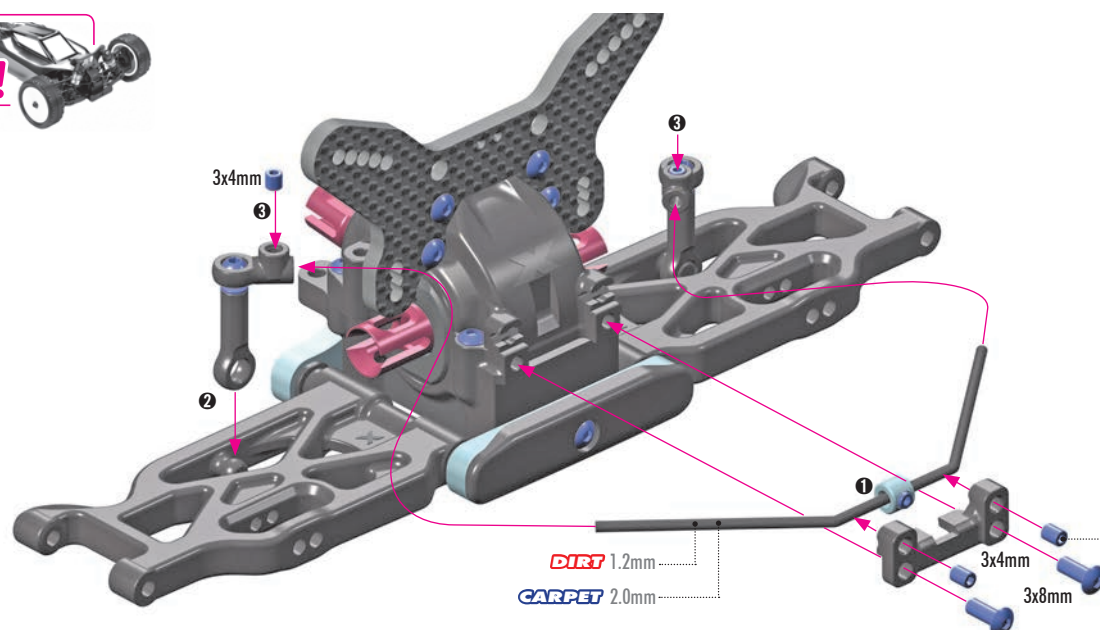
OPTION

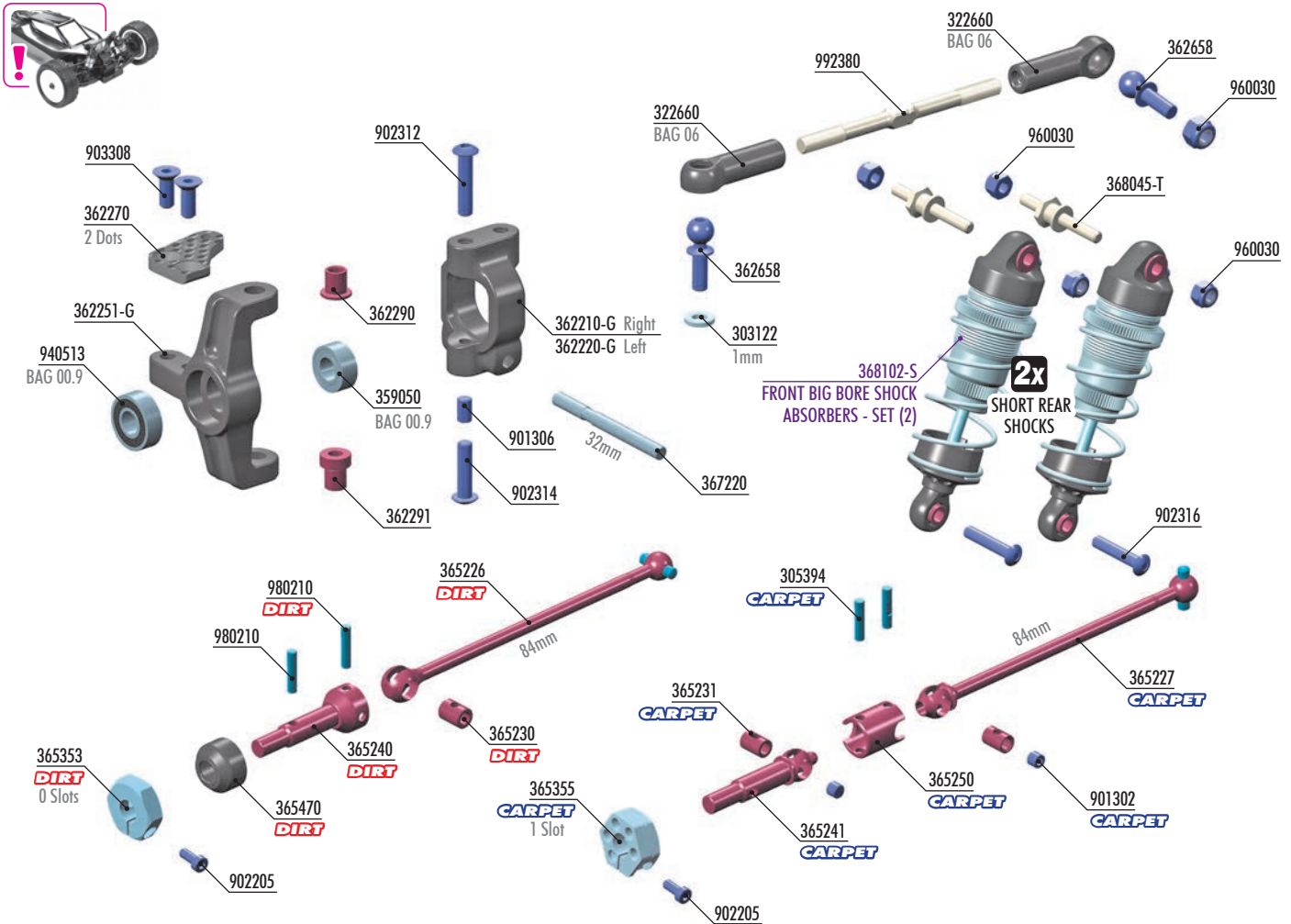
FRONT ANTI-ROLL BARS		
#362481	1.1mm	OPTION
#362482	1.2mm	INCLUDED
#362483	1.3mm	OPTION
#362484	1.4mm	OPTION
#362486	1.6mm	OPTION
#362488	1.8mm	OPTION
#362489	2.0mm	INCLUDED

2x 901304
SB M3x4



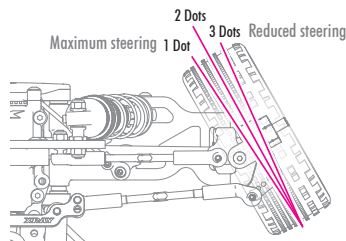
2x 902308
SH M3x8





STEERING BLOCK EXTENSIONS

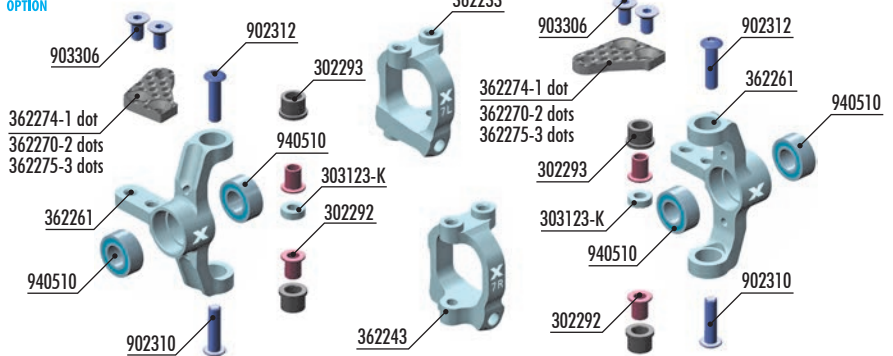
#362274	1 DOT	OPTION
#362270	2 DOTS	INCLUDED
#362275	3 DOTS	OPTION



Steering angle of the outside wheel.



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



BAG

09

- 303122 ALU SHIM 3x6x1.0mm (10)
- 322660 COMPOSITE BALL JOINT 5.4mm (12+1+1)
- 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)

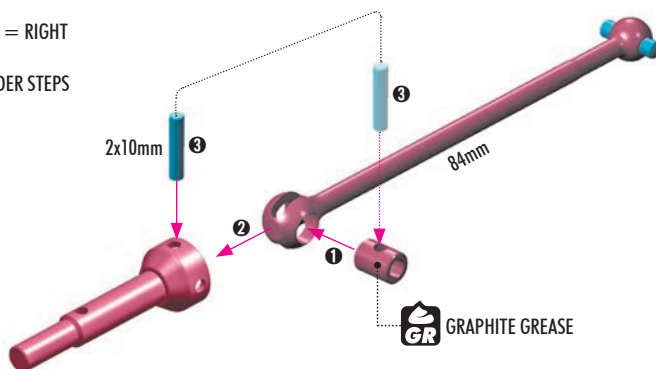
- 368102-S SHOCK ABSORBERS 30mm - SHORT CAP - BIG BORE - SET (2)

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

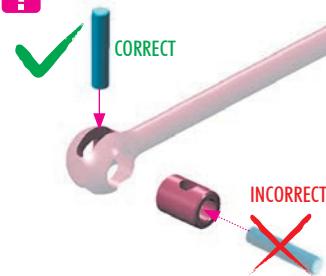


2x LEFT = RIGHT
1 2 3 SPECIFIC ORDER STEPS

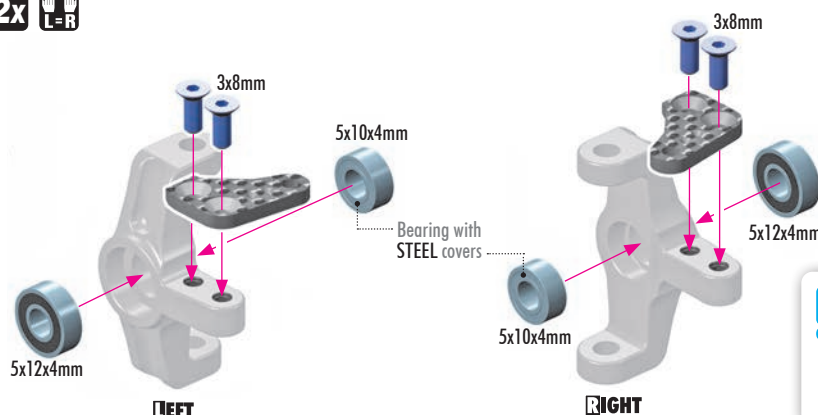
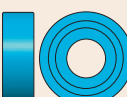
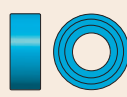
Steps only for
DIRT
Edition



! EXTREMELY IMPORTANT

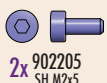
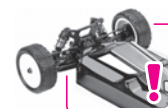


2x LEFT = RIGHT

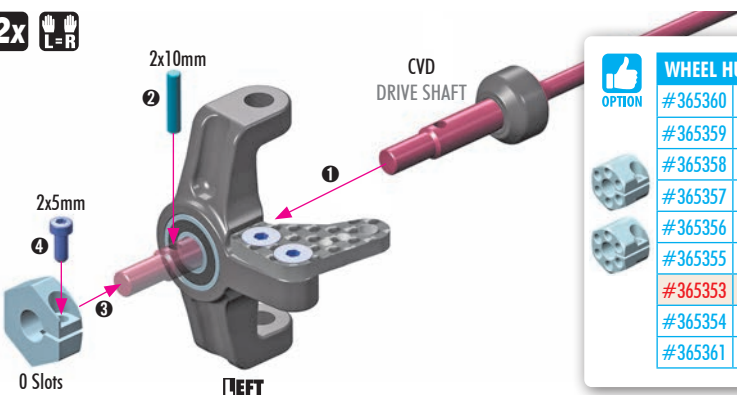


STEERING BLOCKS

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



2x LEFT = RIGHT



WHEEL HUBS 12MM

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

OPTIONAL HEX HUB EFFECTS

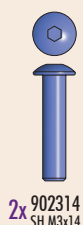
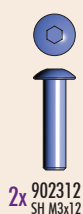
Different off-set hex hubs are used to increase or decrease the track-width.

LESS OFF-SET

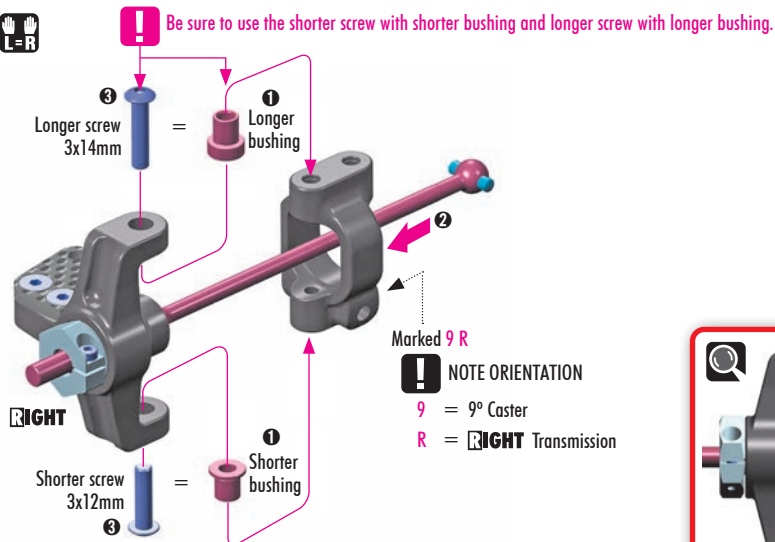
Rear - more traction
Front - more steering

MORE OFF-SET

Rear - less traction
Front - less steering



2x LEFT = RIGHT



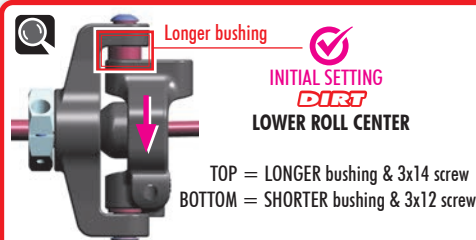
Marked **9 R**

! NOTE ORIENTATION

9 = 9° Caster
R = **R**IGHT Transmission

! L=R When inserting the bushings, make sure that bushings are inserted equally on both **R**IGHT and **L**EFTHUB to give the same roll center position.

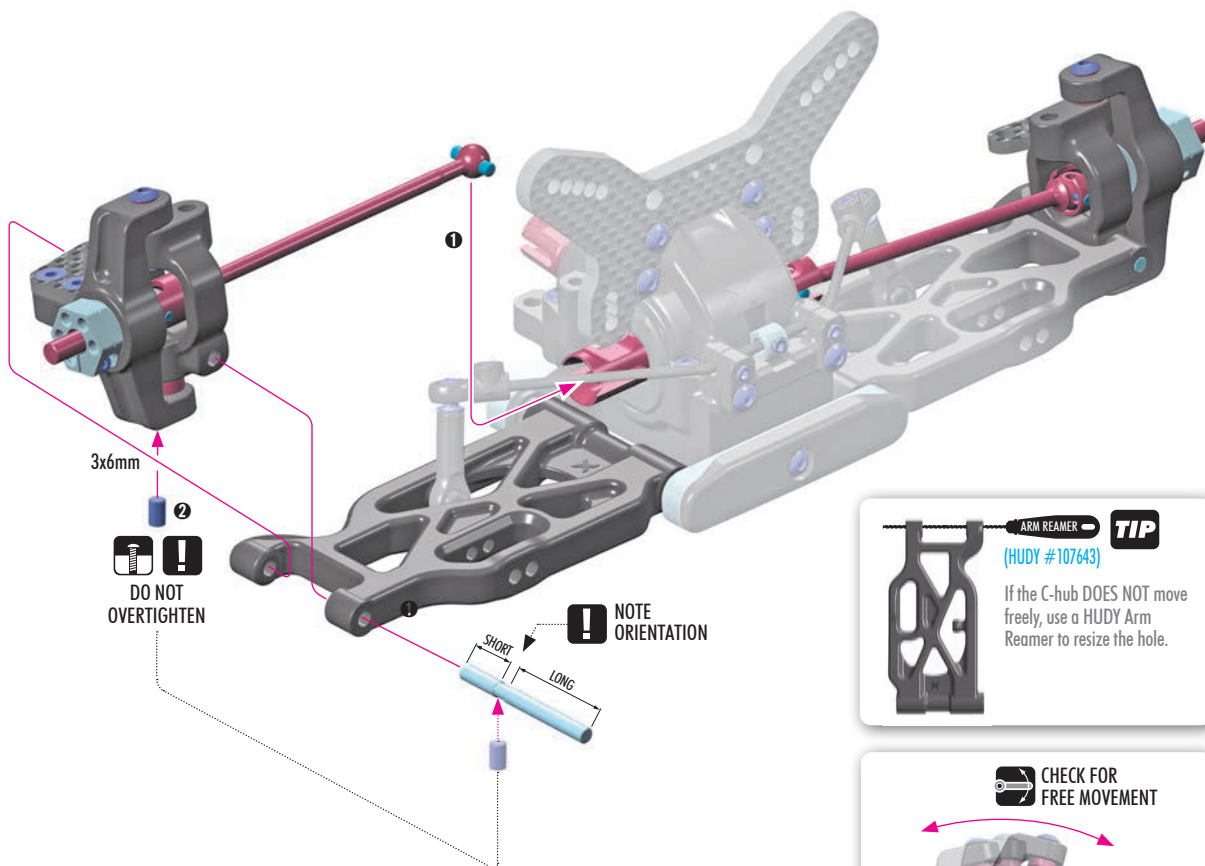
#360901
ALU STEER. BLOCKS & 7° C-HUBS - SET



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

2x 901306
SB M3x6

2x LEFT = RIGHT



ARM REAMER - **TIP**
(HUDY #107643)

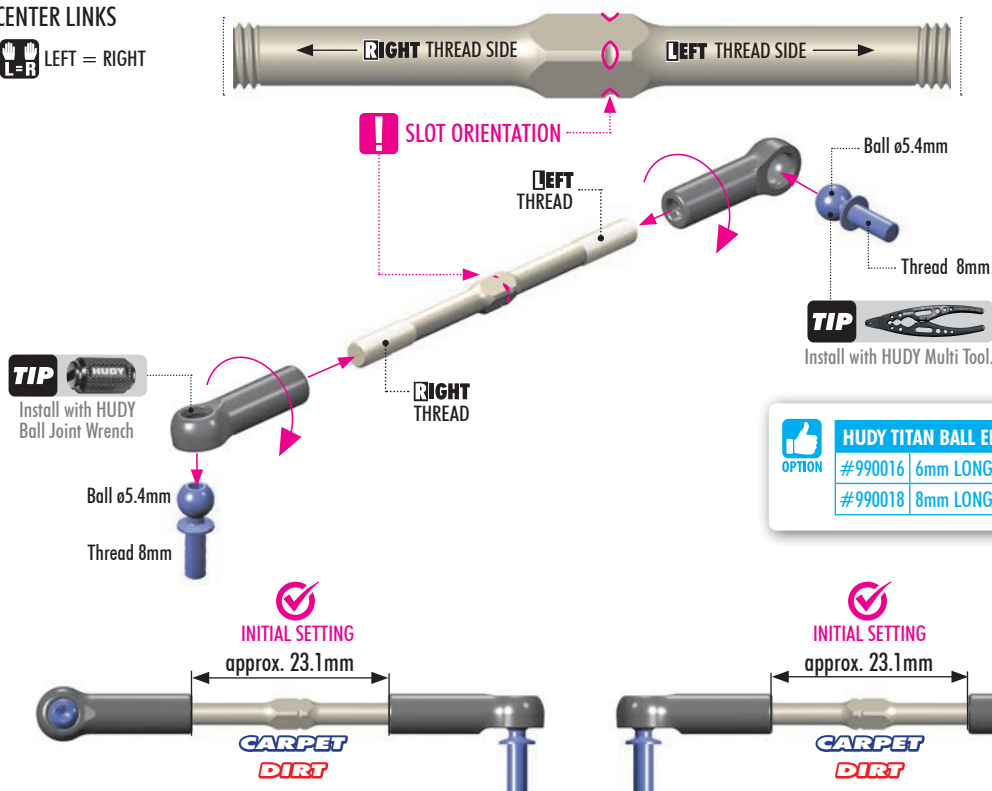
If the C-hub DOES NOT move freely, use a HUDY Arm Reamer to resize the hole.

CHECK FOR FREE MOVEMENT



ROLL CENTER LINKS

2x LEFT = RIGHT



TIP
Install with HUDY Multi Tool.

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

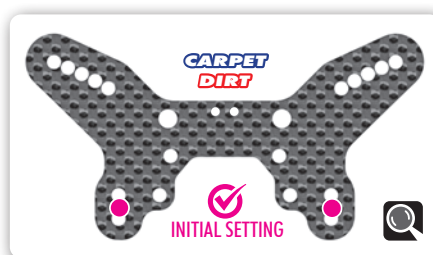
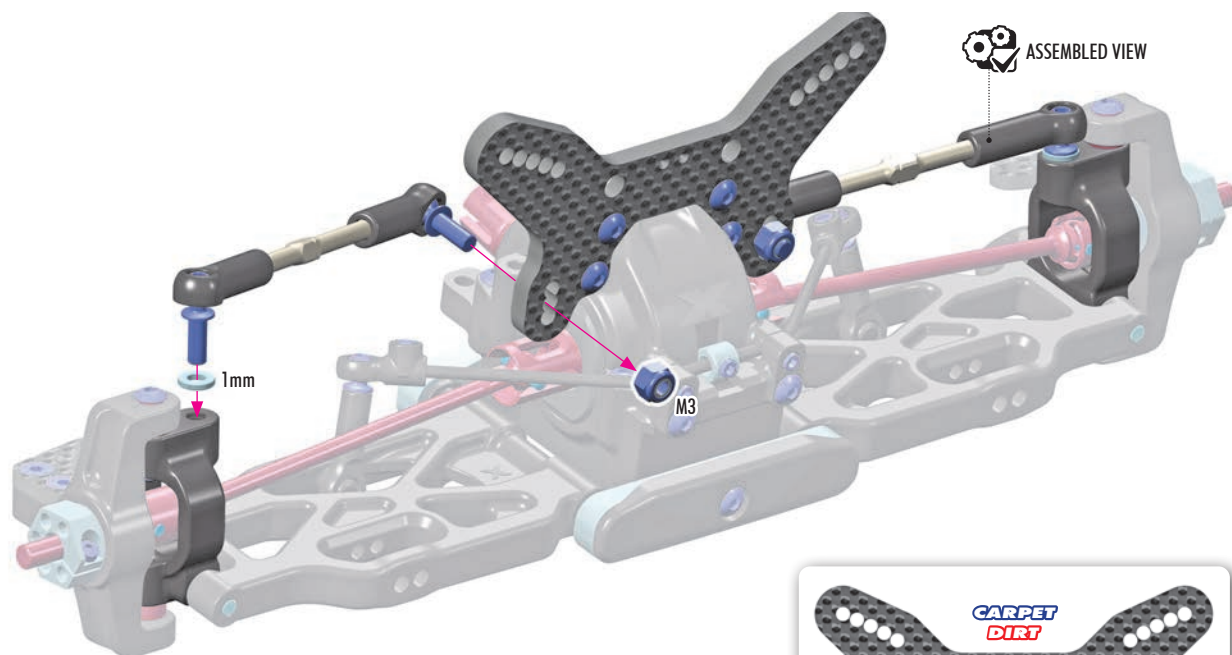


2x 960030
N M3



2x 303122
SHIM 3x6x1

2x LEFT = RIGHT

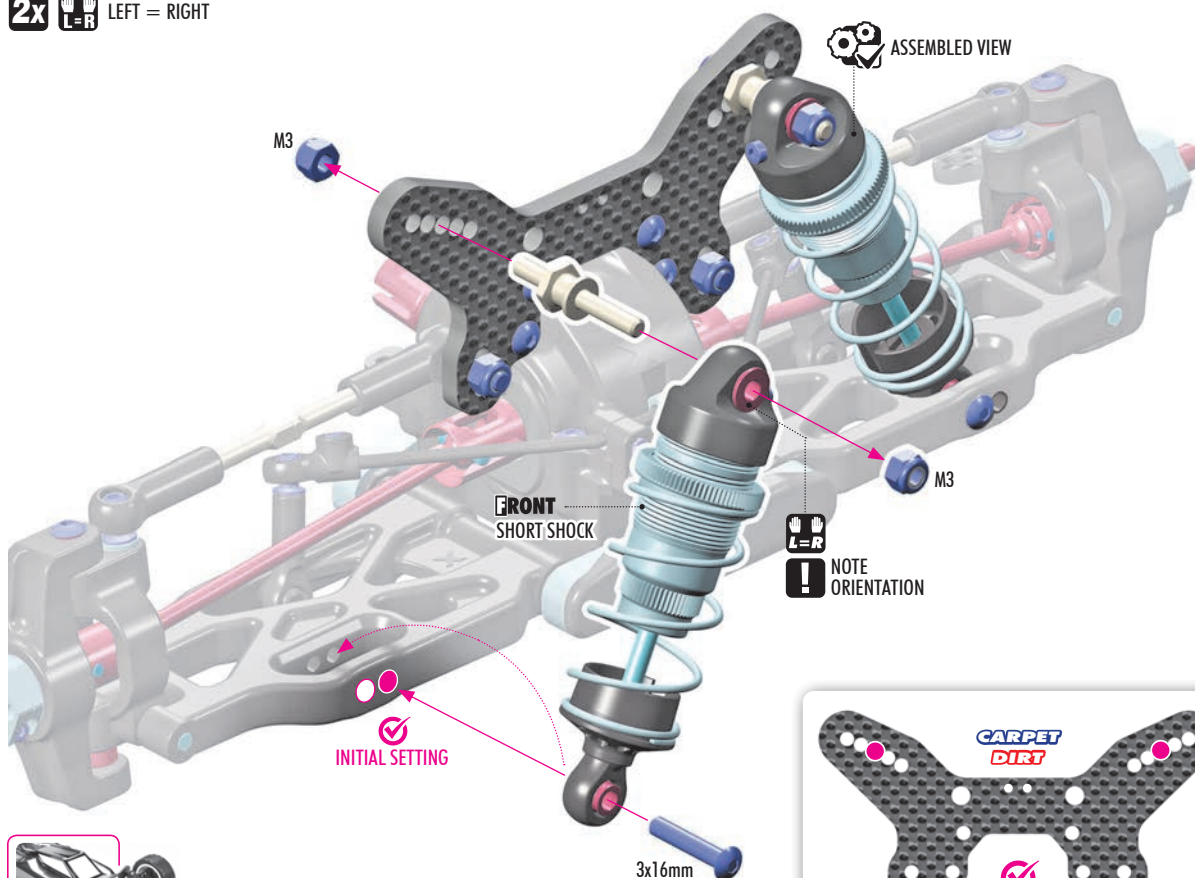


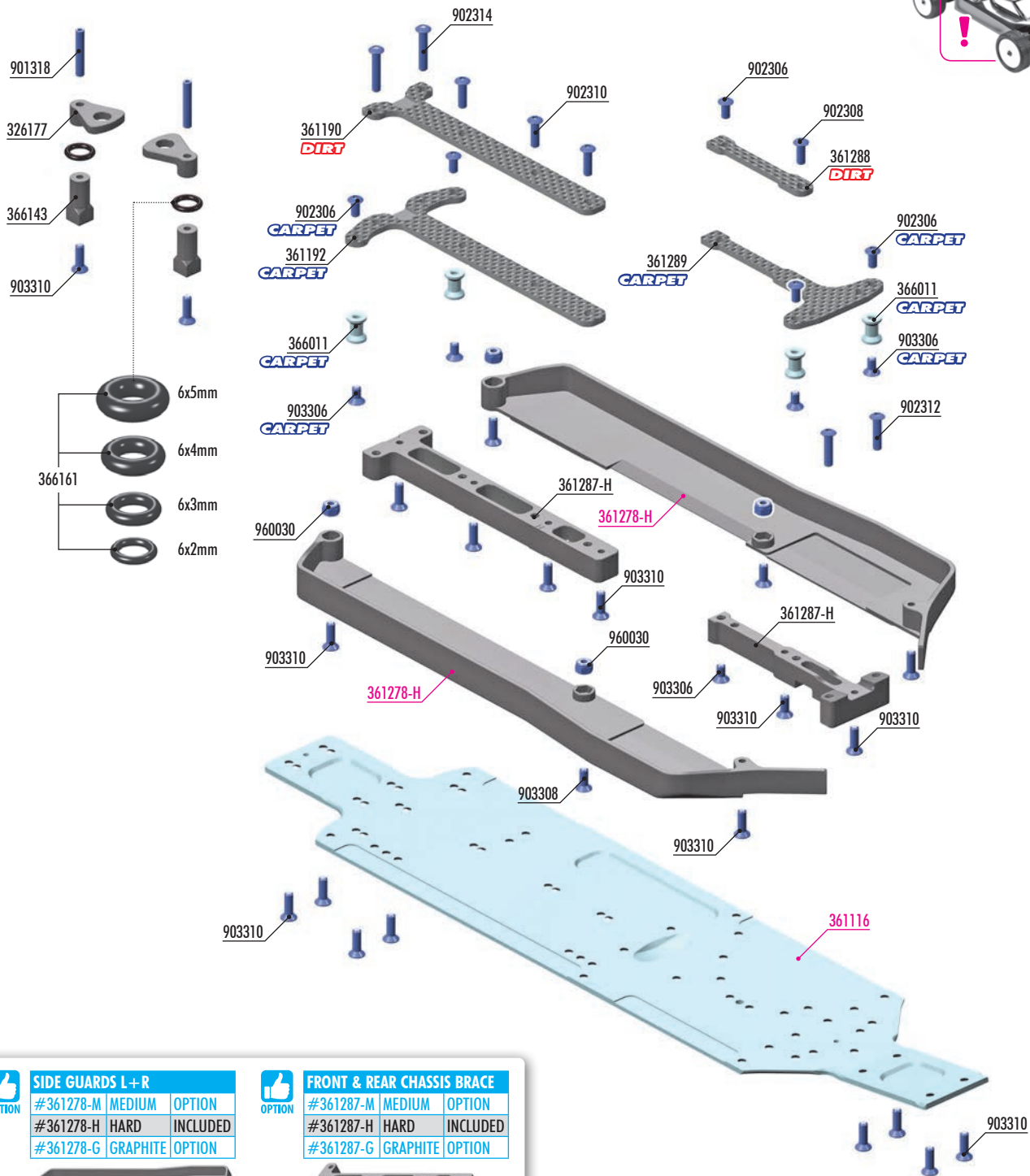
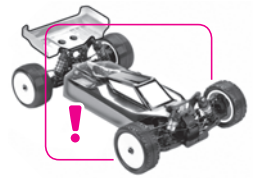
2x 902316
SH M3x16



4x 960030
N M3

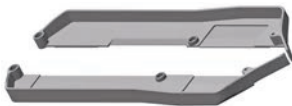
2x LEFT = RIGHT





SIDE GUARDS L+R

#361278-M	MEDIUM	OPTION
#361278-H	HARD	INCLUDED
#361278-G	GRAPHITE	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 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.



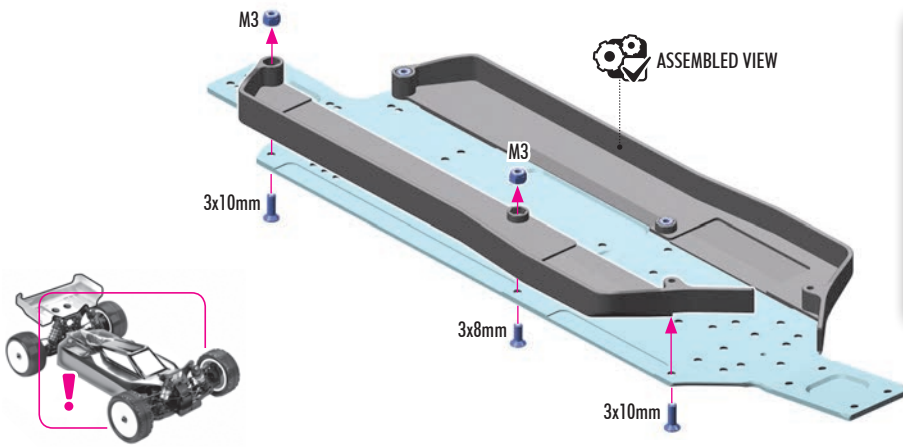
2x 903308
SFH M3x8



4x 903310
SFH M3x10



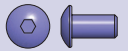
4x 960030
N M3



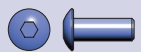
SIDE GUARDS L+R		
OPTION		
#361278-M	MEDIUM	OPTION
#361278-H	HARD	INCLUDED
#361278-G	GRAPHITE	OPTION



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



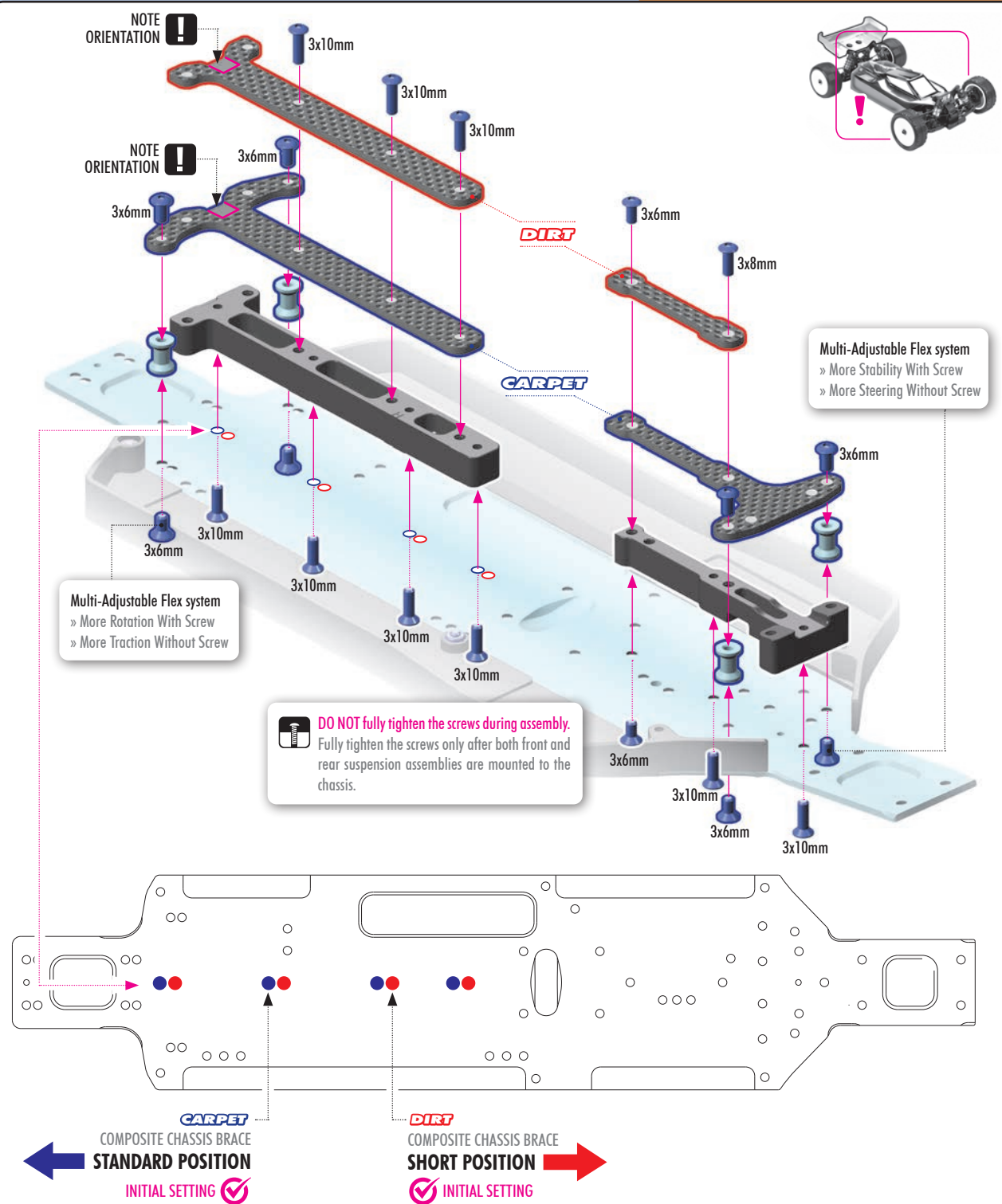
3x 902310
SH M3x10

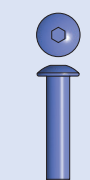


1x 903306
SFH M3x6



6x 903310
SFH M3x10

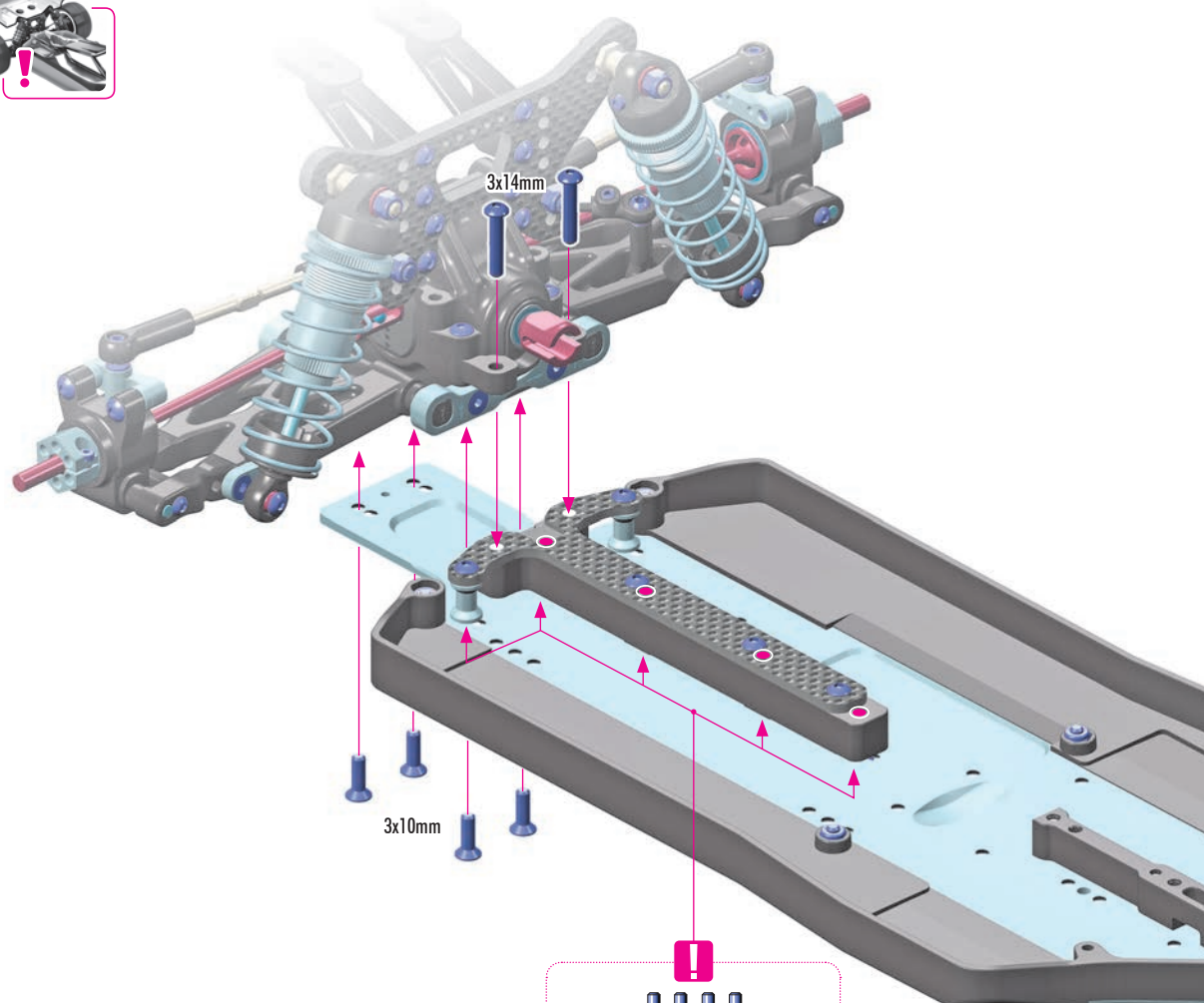




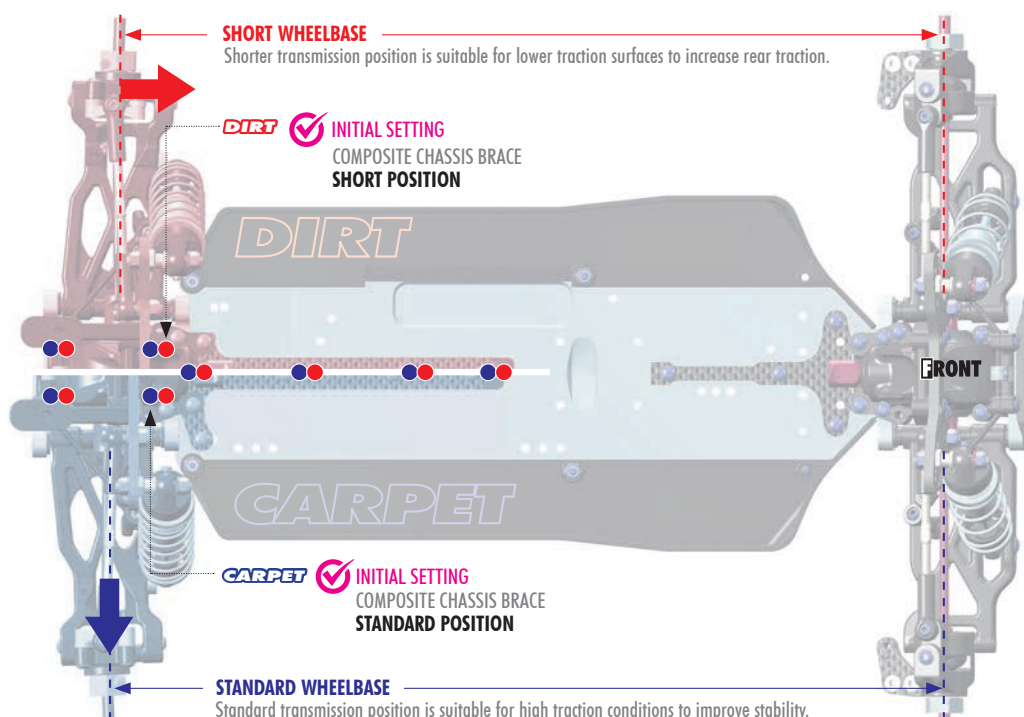
2x 902314
SH M3x14

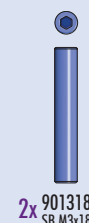
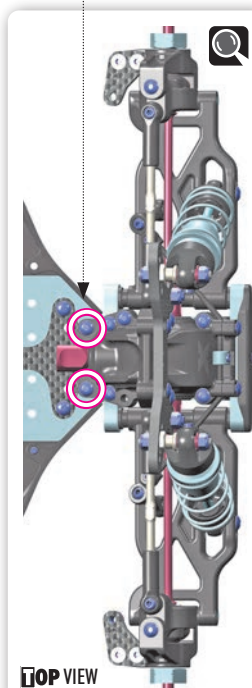
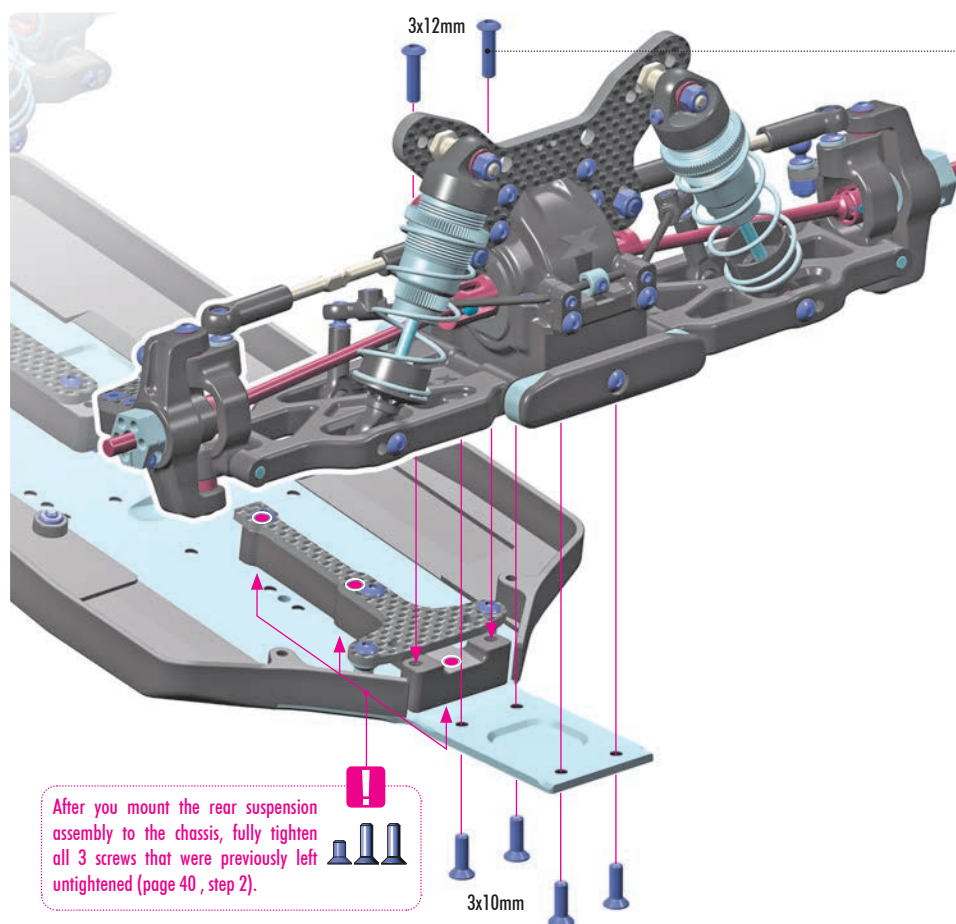


4x 903310
SFH M3x10



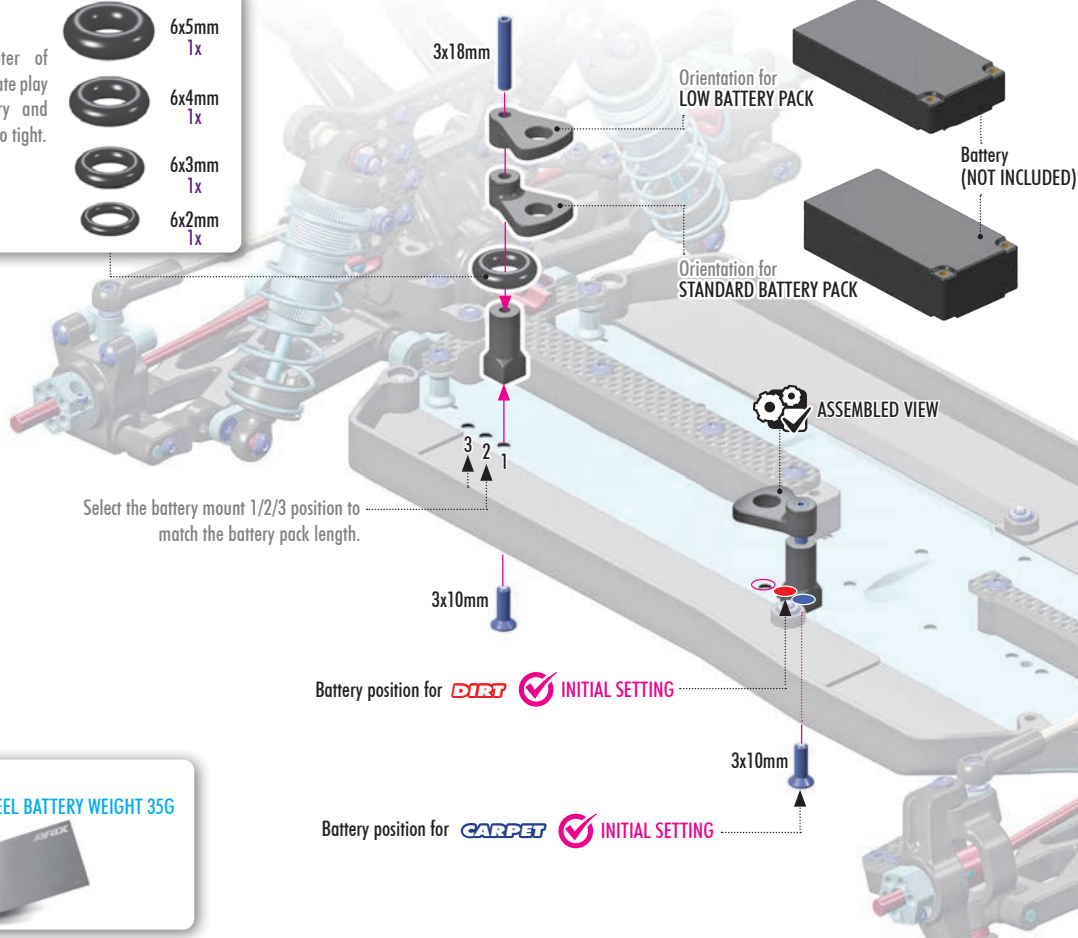
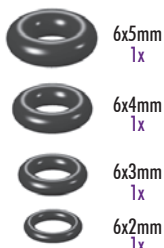
After you mount the rear suspension assembly to the chassis, fully tighten all 4 screws 3x10mm that were previously left untightened (page 40, step 2).





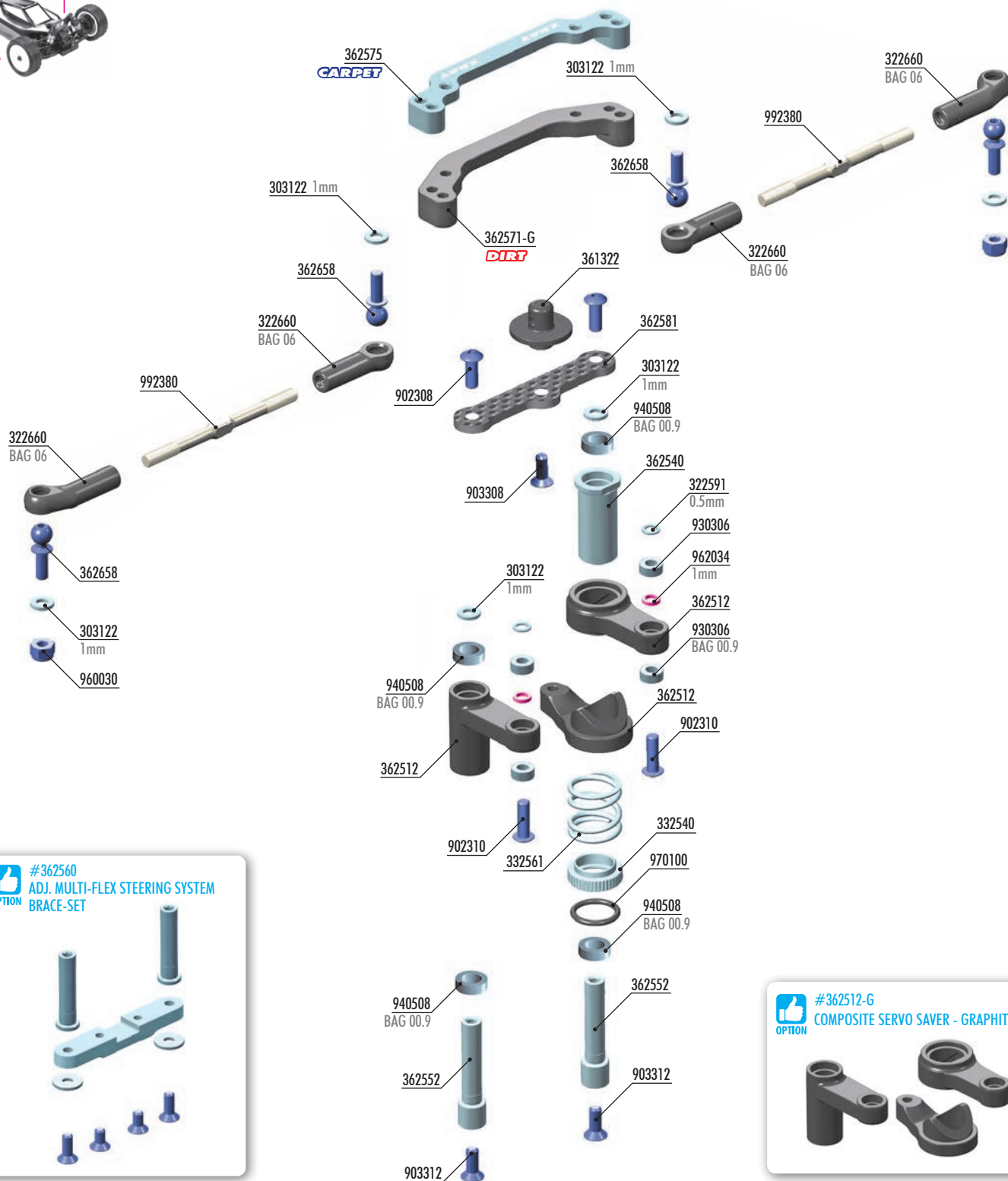
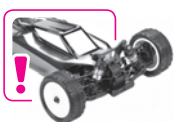
! #366161

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



#326181
STAINLESS STEEL BATTERY WEIGHT 35G
OPTION





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



#362512-G
COMPOSITE SERVO SAVER - GRAPHITE



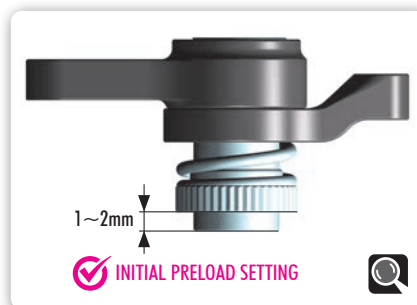
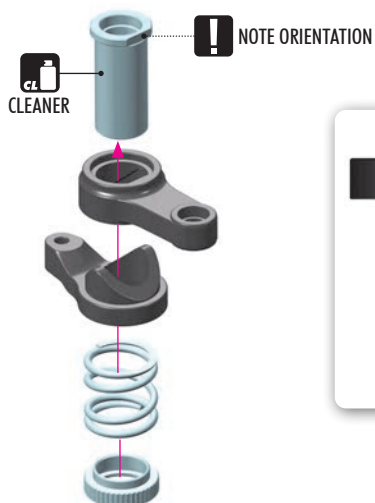
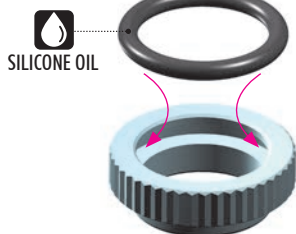
BAG

11

303122	ALU SHIM 3x6x1.0mm (10)	902308	HEX SCREW SH M3x8 (10)
322591	ALU SHIM 3x4.7x0.5mm (10)	902310	HEX SCREW SH M3x10 (10)
322660	COMPOSITE BALL JOINT 5.4mm (12 + 1 + 1)	903308	HEX SCREW SFH M3x8 (10)
332540	ALU SERVO SAVER ADJUSTABLE NUT	903312	HEX SCREW SFH M3x12 (10)
332561	SERVO SAVER SPRING C=14	930306	BALL-BEARING 3x6x2.5mm STEEL SEALED - OIL (2)
361322	BODY MOUNT - EXTRA-SHORT	940508	BALL-BEARING 5x8x2.5 RUBBER SEALED - OIL (2)
362512	COMPOSITE SERVO SAVER FOR BALL-BEARINGS	960030	NUT M3 (10)
362540	ALU SERVO SAVER MAIN SHAFT	962034	STEEL WASHER S 3x4.7x1 (10)
362552	SERVO SAVER PIVOT SHAFT +5mm (2)	970100	O-RING 10 x 1.5 (10)
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)		



1x 970100
O 10x1.5



2x 322591
SHIM 3x4.7x0.5



2x 902310
SH M3x10

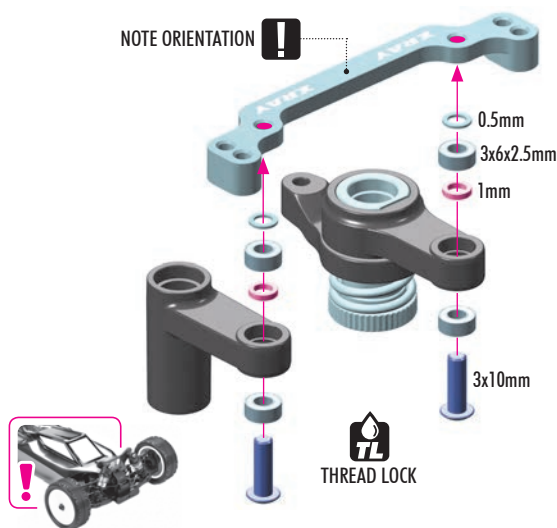


4x 930306
BB 3x6x2.5

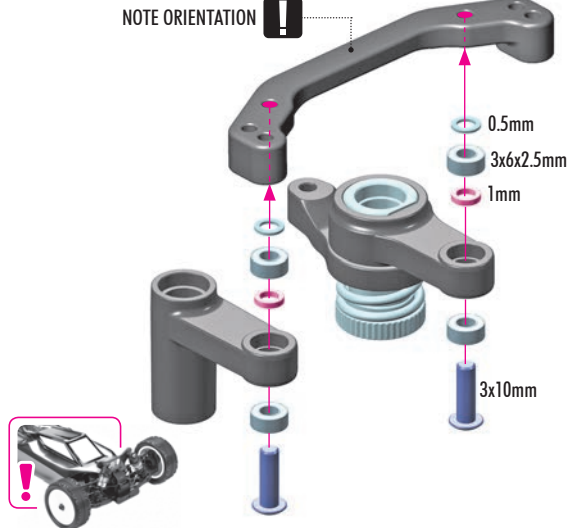


2x 962034
S 3x4.7x1

Steps only for **CARPET** Edition



Steps only for **DIRT** Edition



2x 303122
SHIM 3x6x1



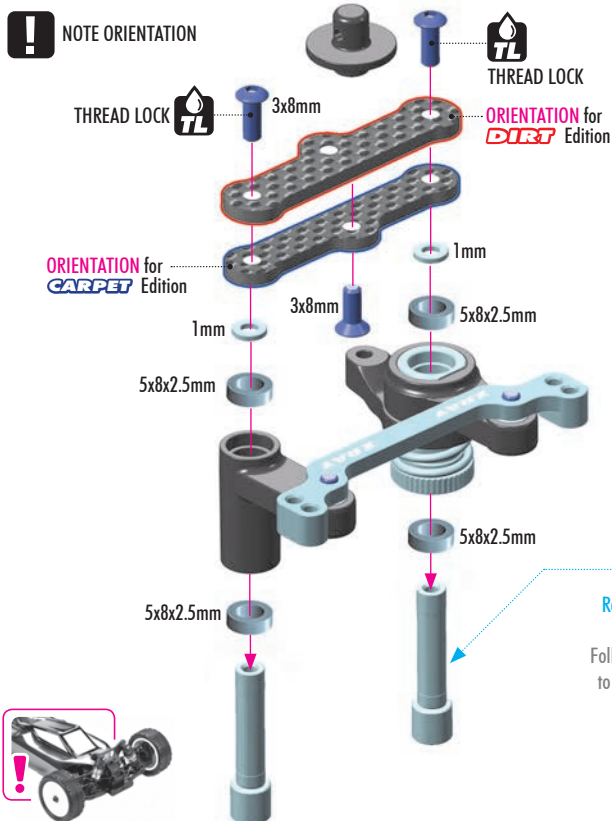
2x 902308
SH M3x8



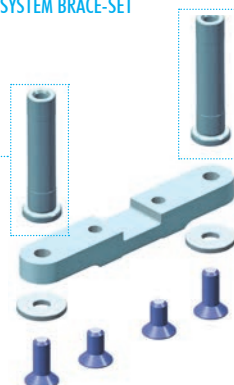
1x 903308
SFH M3x8



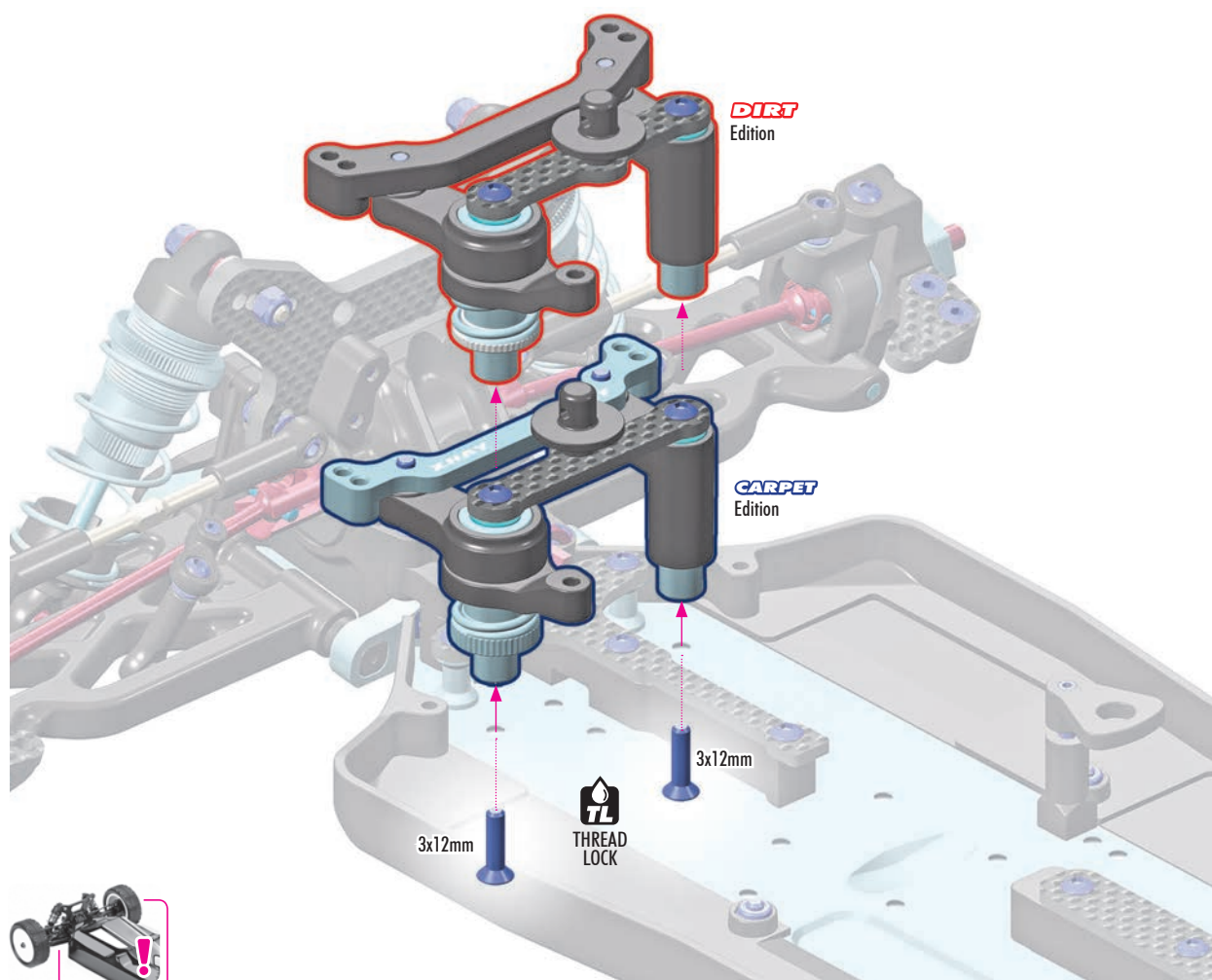
4x 940508
BB 5x8x2.5



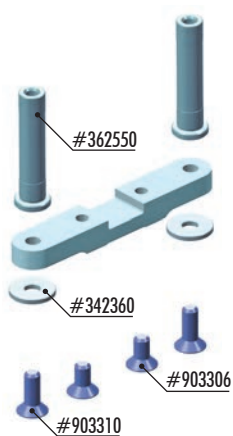
#362560
ADJUSTABLE MULTI-FLEX STEERING
SYSTEM BRACE-SET



Replace Pivot Shafts if you use
OPTION #362560
Follow assembly steps on page 45
to check multi-flex adjustments.



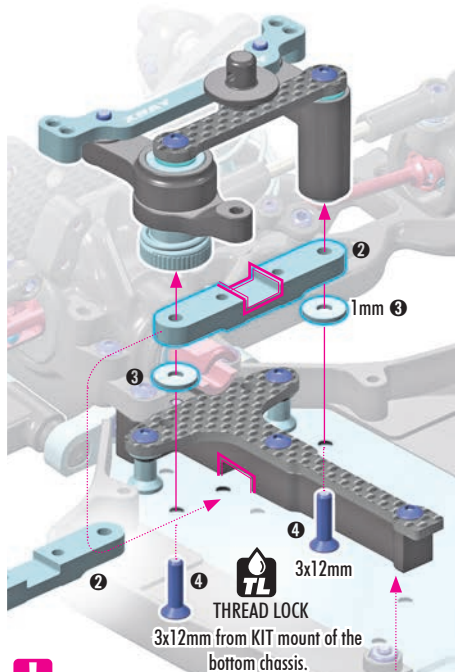
OPTION #362560 ADJUSTABLE MULTI-FLEX STEERING SYSTEM BRACE-SET



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 - FIX

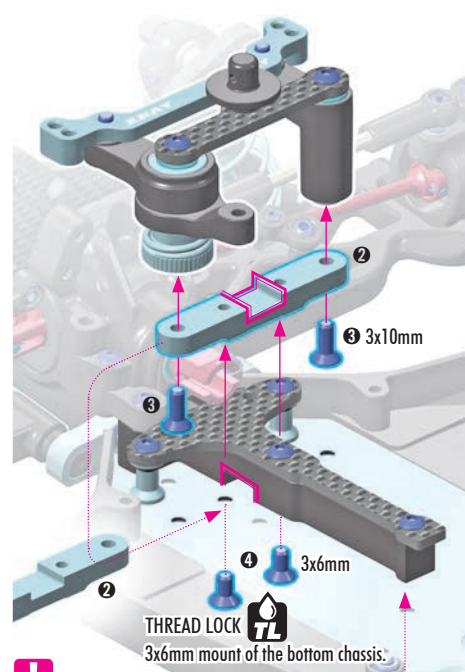
Mounting through the outside holes with shims between the brace and chassis provides greater stability and smoother steering, making the car easier to control.



! 1 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.



! 1 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

Thread 8mm

Ball ø5.4mm

TIP

Install with HUDY Multi Tool.

! SLOT ORIENTATION

LEFT THREAD

TIP

Install with HUDY Ball Joint Wrench

RIGHT THREAD

✓ INITIAL SETTING

21mm

CARPET DIRT

✓ INITIAL SETTING

21mm

4x

303122

SHIM 3x6x1

2x

960030

N M3

2x

L=R

LEFT = RIGHT

DIRT Edition

1mm

1mm

1mm

! Ball joint

NOTE ORIENTATION

M3

ASSEMBLY VIEW

CARPET Edition

! XRAY

✓ INITIAL SETTING

DIRT

✓ INITIAL SETTING

XRAY

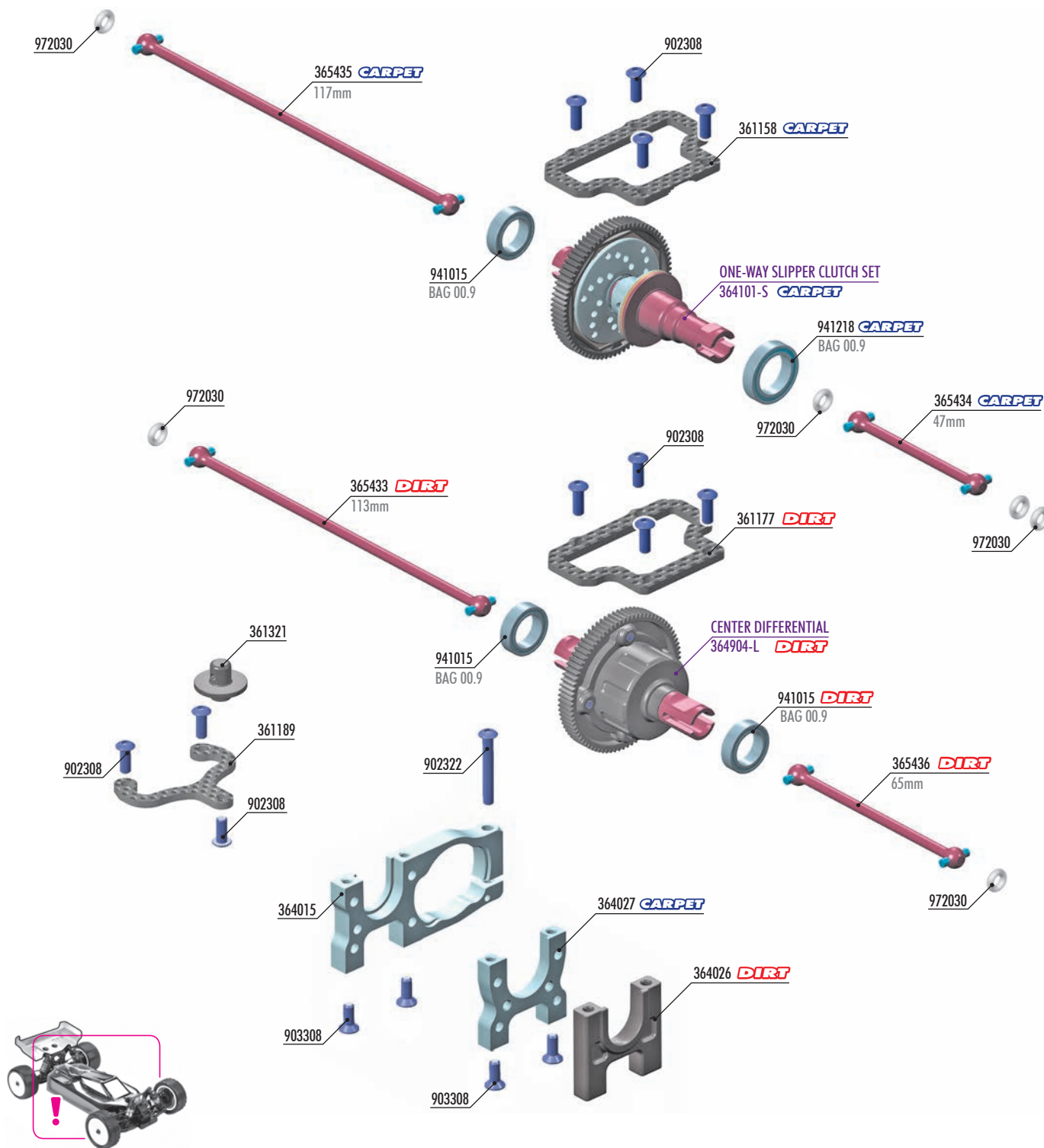
CARPET

✓ CHECK FOR FREE MOVEMENT

✓ CHECK FOR FREE MOVEMENT



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 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 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™
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™
941218 BALL-BEARING 12x18x4 RUBBER SEALED - OIL (2)
364904-L GEAR CENTER DIFFERENTIAL - LIGHTWEIGHT - SET

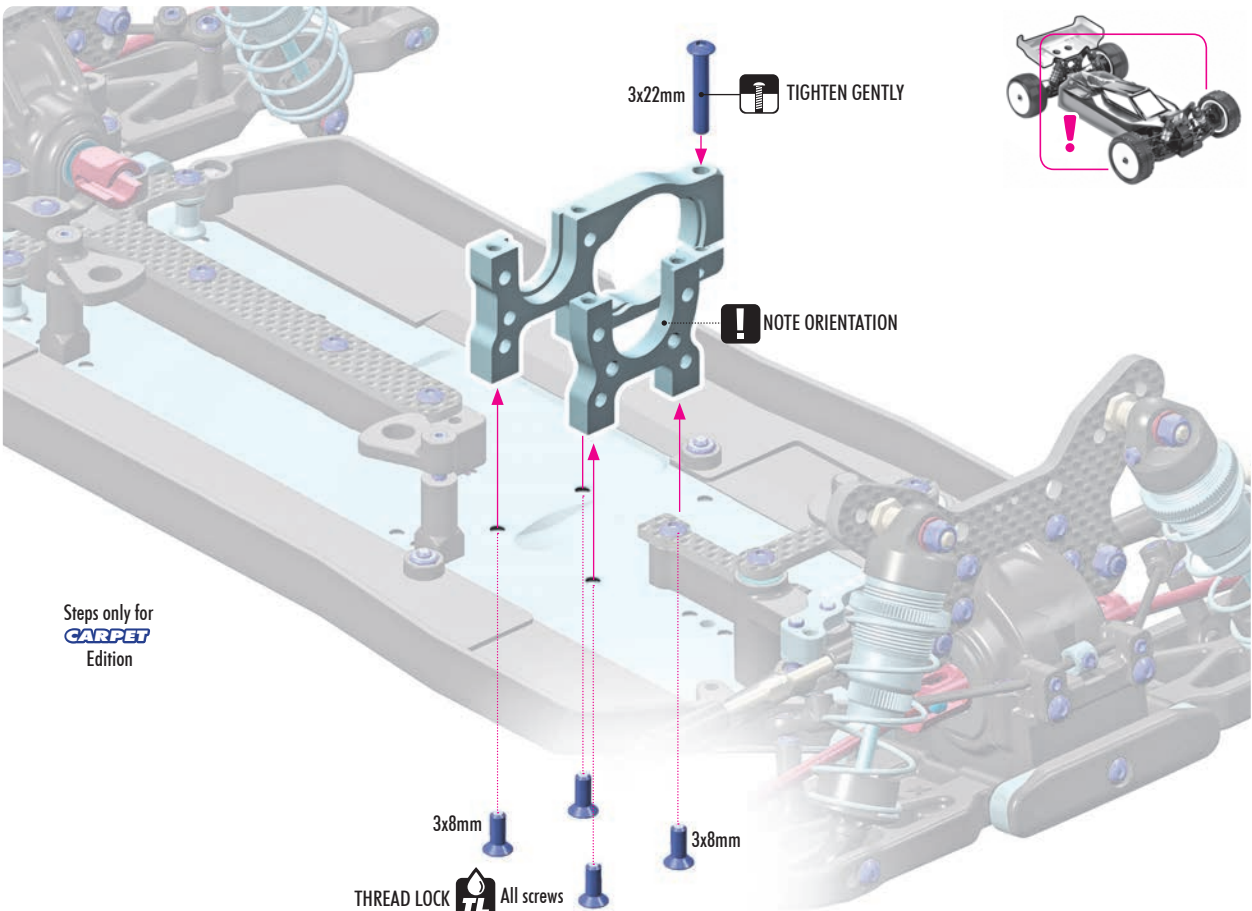
Numbers in parentheses () refer to quantities when purchased separately.



1x 902322
SH M3x22



4x 903308
SFH M3x8



Steps only for
CARPET
Edition

3x22mm TIGHTEN GENTLY

NOTE ORIENTATION

3x8mm

3x8mm

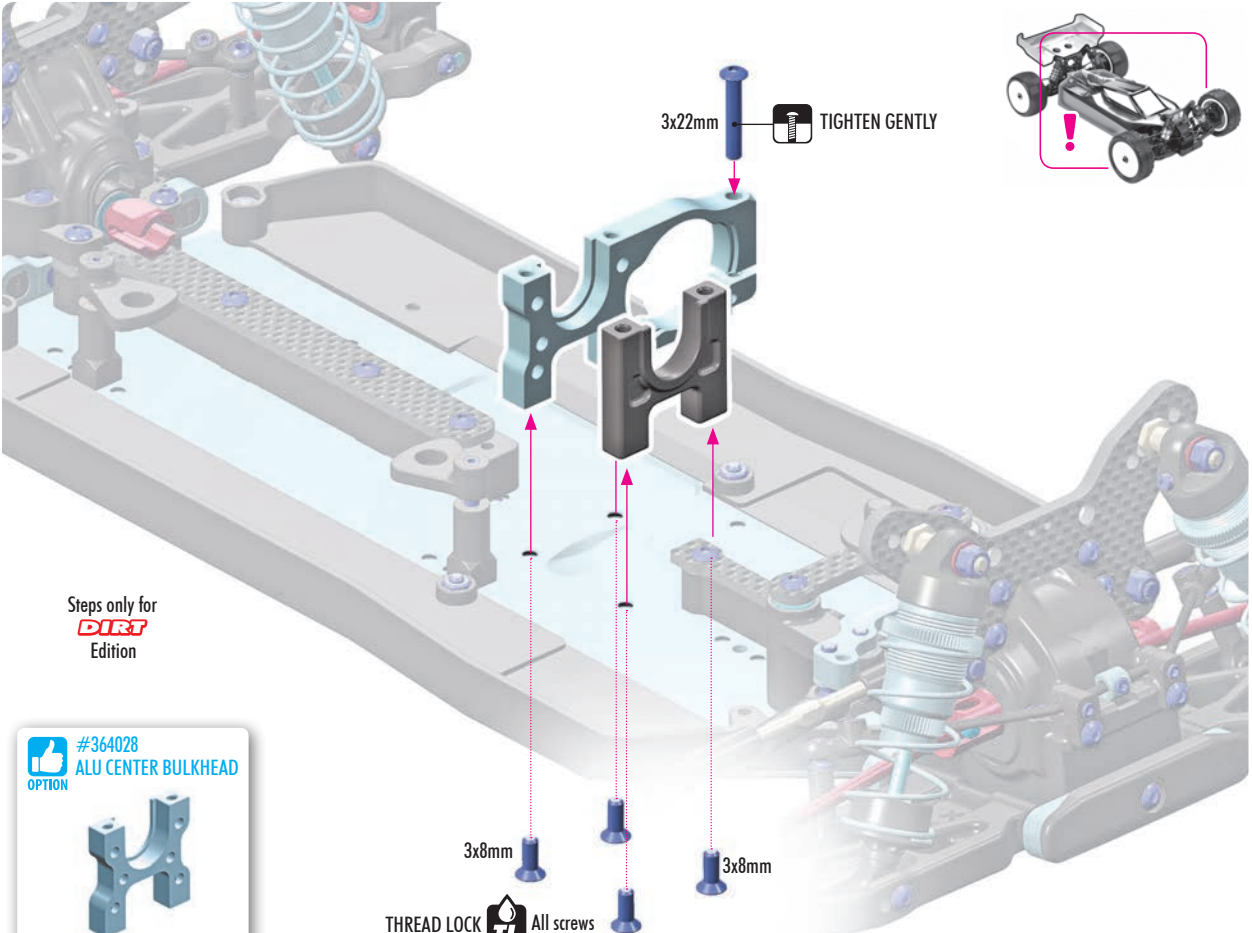
THREAD LOCK All screws



1x 902322
SH M3x22



4x 903308
SFH M3x8



Steps only for
DIRT
Edition

3x22mm TIGHTEN GENTLY

NOTE ORIENTATION

3x8mm

3x8mm

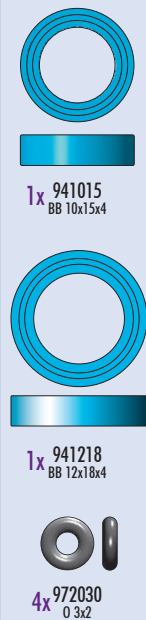
THREAD LOCK All screws



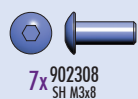
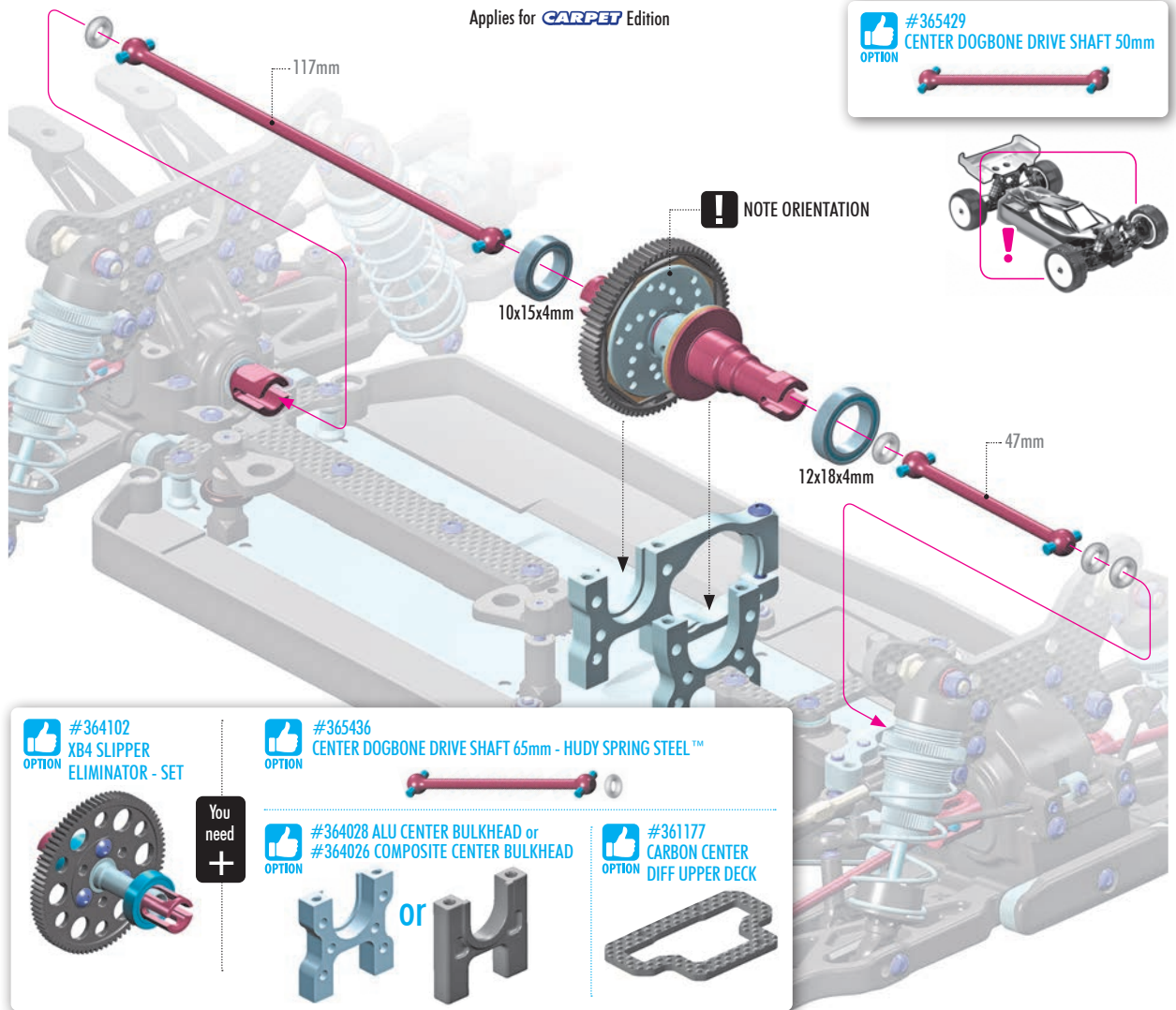
#364028
ALU CENTER BULKHEAD
OPTION

12. CENTER TRANSMISSION

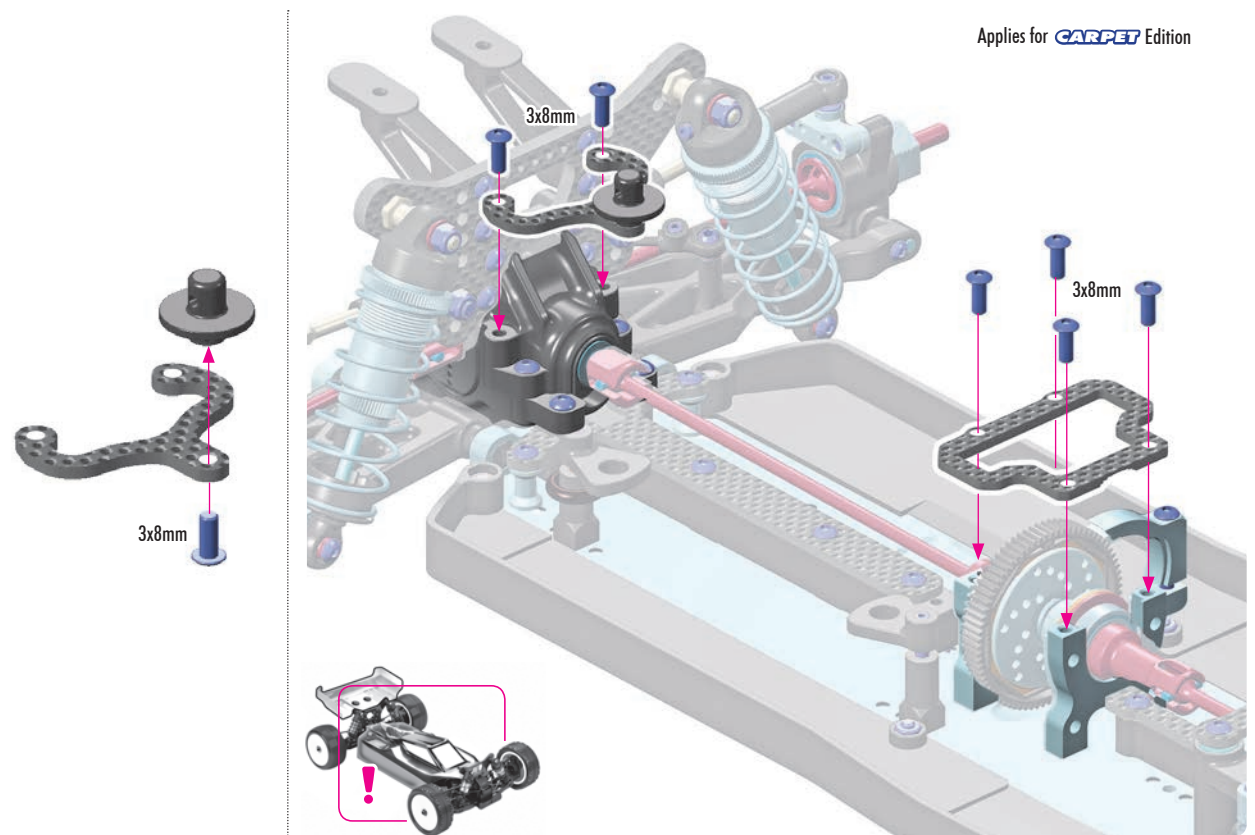
CARPET



Applies for **CARPET** Edition



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.

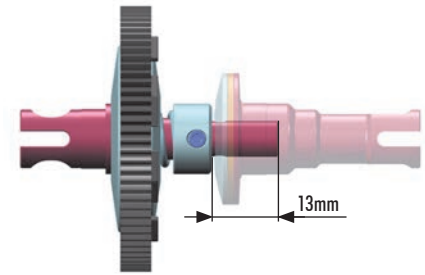
The Slipper Clutch can be adjusted by loosening the set-screw and then, while keeping the tool in the set-screw to prevent movement of the collar, rotating the spur gear by hand as indicated in the drawing.

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

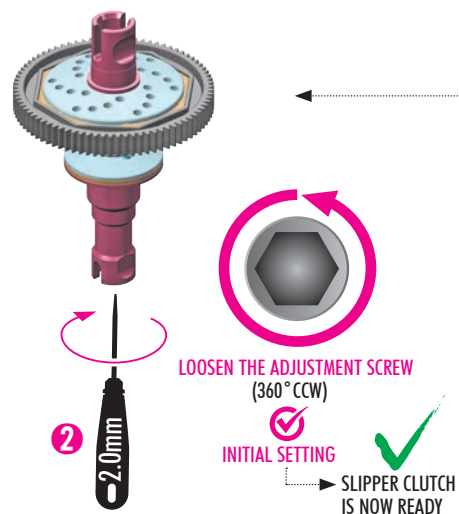
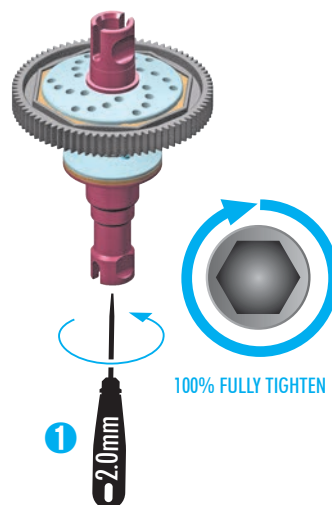
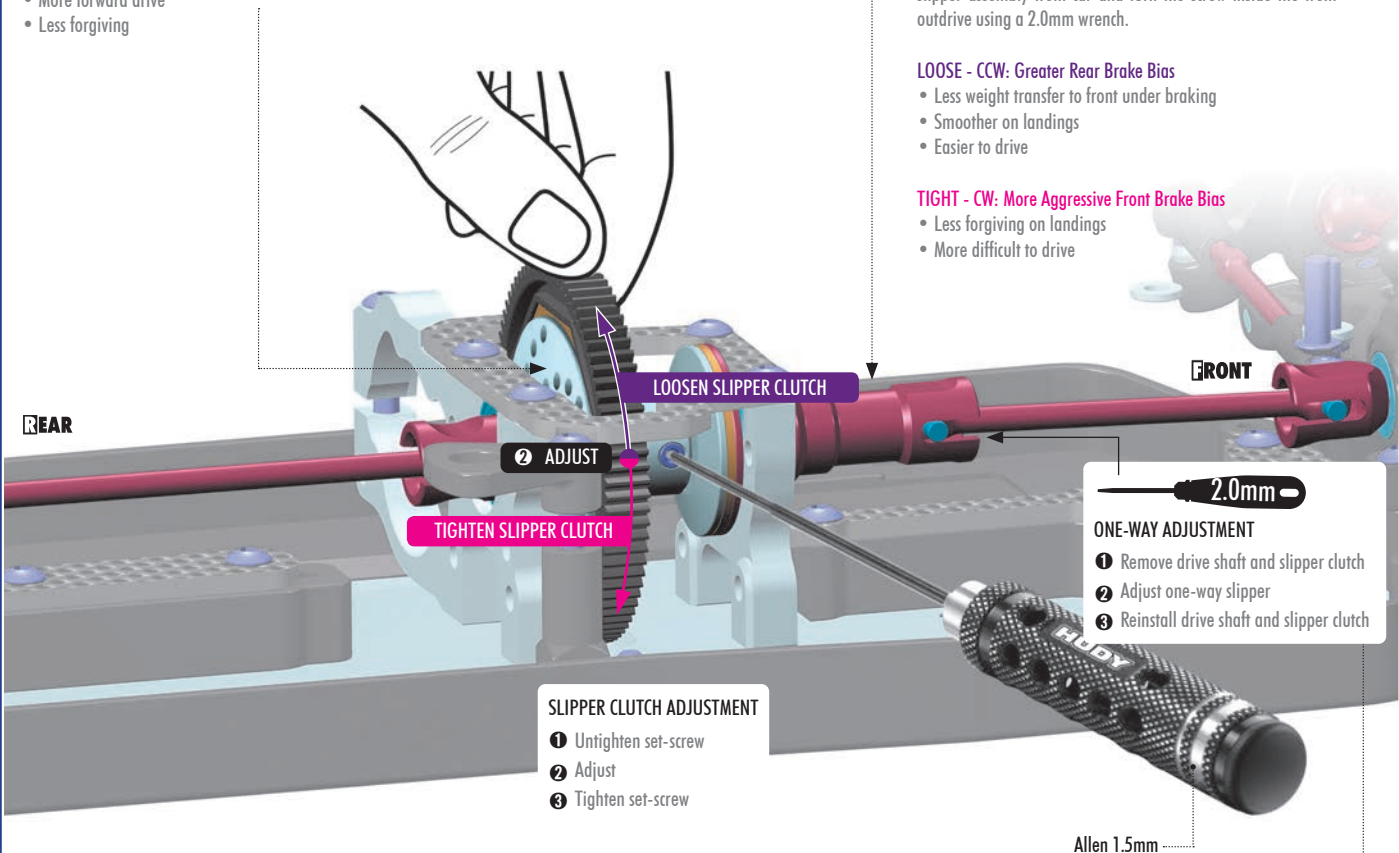
For adjusting the front one-way slipper clutch, remove the slipper assembly from car and turn the screw inside the front outdrive using a 2.0mm wrench.

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



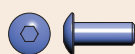
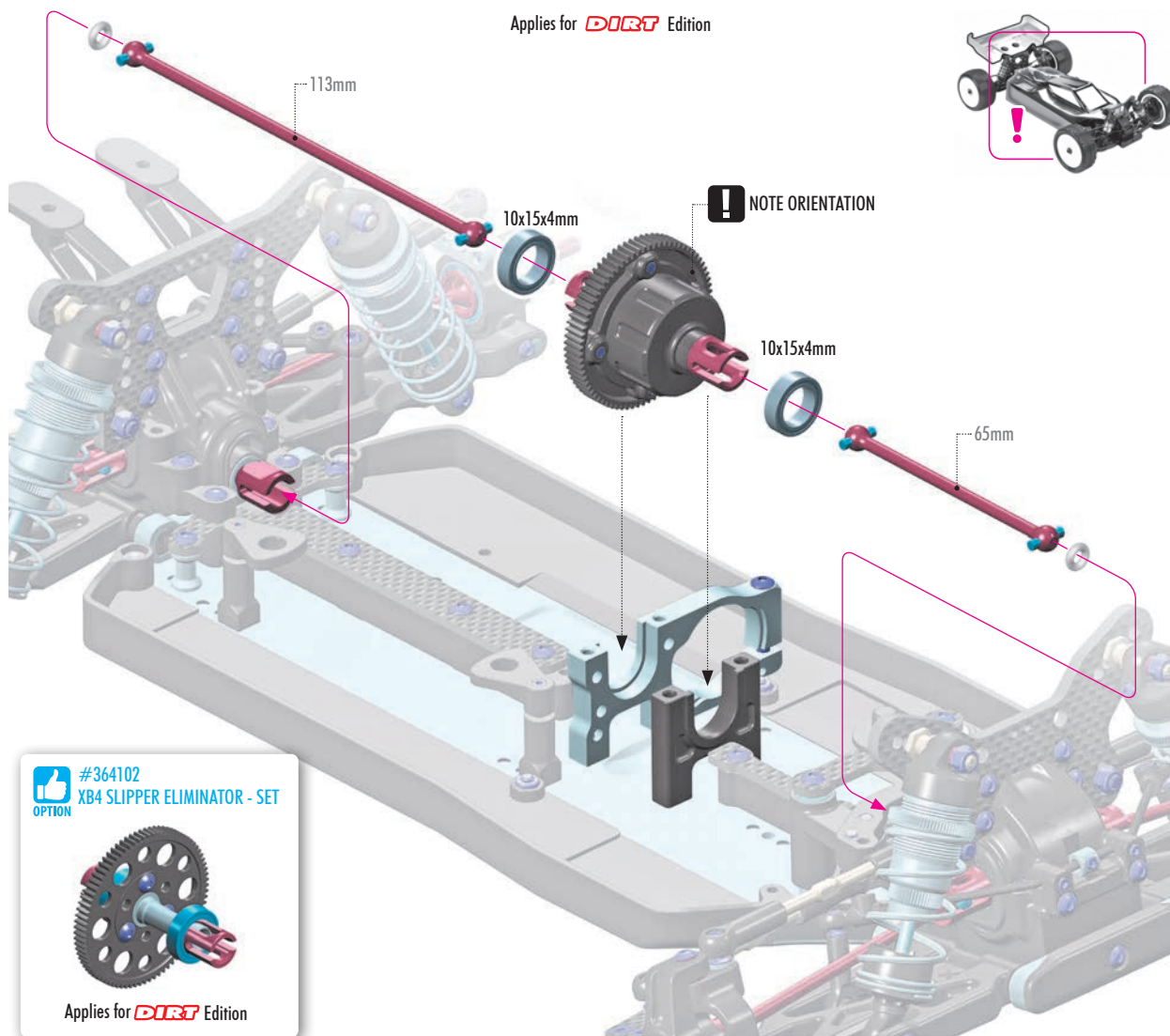


2x 941015
BB 10x15x4



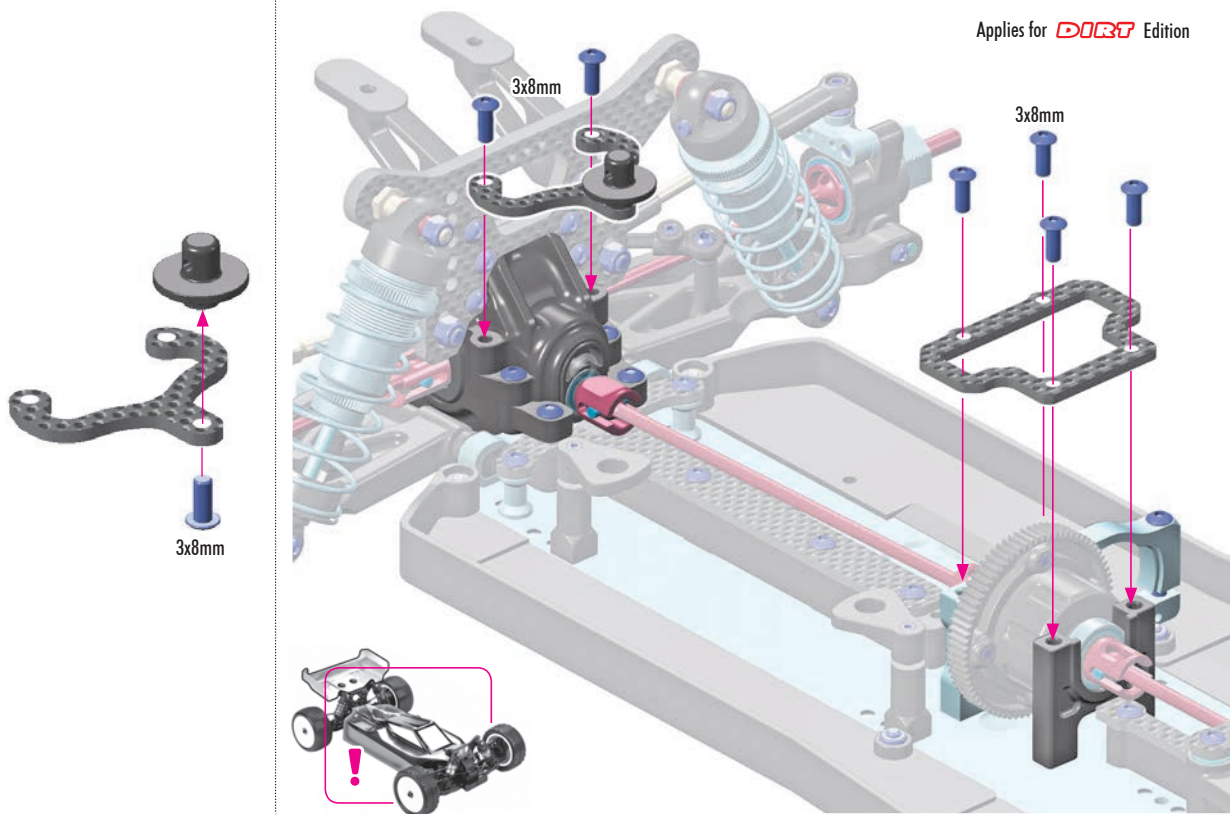
2x 972030
O 3x2

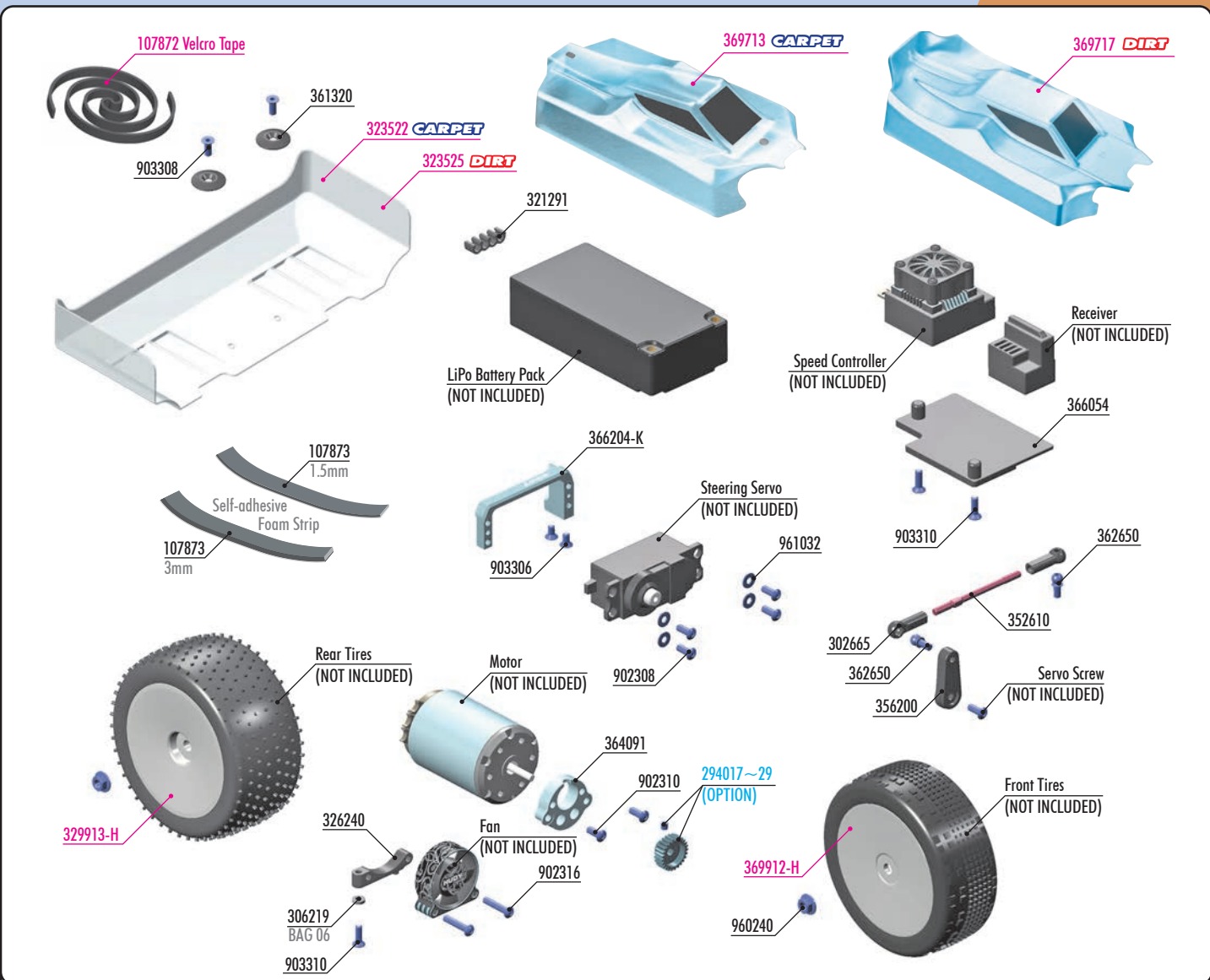
Applies for **DIRT** Edition



7x 902308
SH M3x8

Applies for **DIRT** Edition





BAG

13

294017~365729 PINION GEAR HARDCOATED 17~38T/48P (OPTION)

- 107873 HUDY BUMPER & BODY SPACE SPONGE SET
- 302665 COMPOSITE BALL JOINT 4.9mm - CLOSED WITH HOLE (4)
- 306219 COMPOSITE SET OF SERVO SHIMS (4)
- 321291 COMPOSITE 5-WIRES HOLDER - SET
- 326240 COMPOSITE FAN HOLDER
- 352610 ADJ. TURNBUCKLE M3 L/R 45mm - SPRING STEEL™ (2)
- 356200 BRAKE/THROTTLE ARMS & STEERING SERVO ARMS - SET
- 361320 BODY MOUNT, BATTERY MOUNT - V2 & WING SHIM (2)
- 362650 BALL END 4.9mm WITH THREAD 6mm (2)
- 364091 ALU ECCENTRIC INSERT FOR NARROW MOTOR BULKHEAD
- 366054 COMPOSITE RADIO PLATE - SHORT
- 366204-K ALU MONOBLOCK SERVO HOLDER - SWISS 7075 T6
- 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

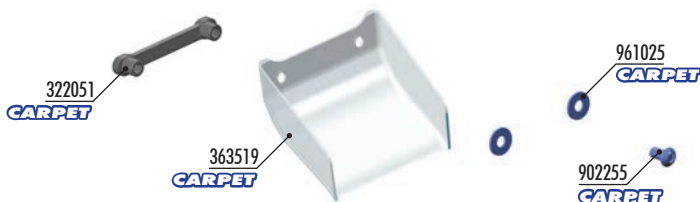
- 323522 LEXAN REAR WING - LUSH
- 369713 BODY FOR 1/10 4WD OFF-ROAD BUGGY - DELTA 4C - LIGHT

DIRT

- 323525 LEXAN REAR WING - LUSH - WIDE
- 369717 BODY FOR 1/10 4WD OFF-ROAD BUGGY - EPSILON 4D - LIGHT

- 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

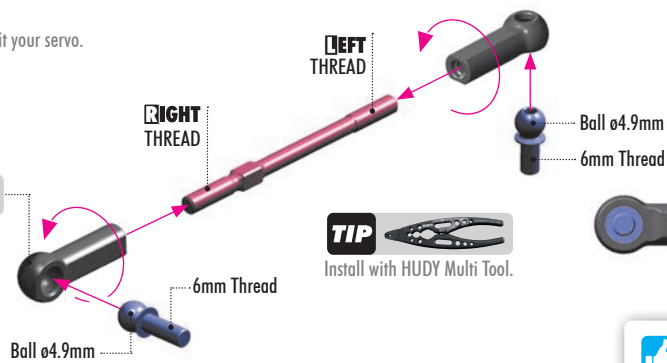
- 902255 HEX SCREW SH M2.5x5 (10)
- 961025 WASHER S 2.5 (10)

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

SERVO LINK

Adjust servo link to fit your servo.

TIP  Install with HUDY Ball Joint Wrench



HUDY TITAN BALL ENDS
#990006 6mm Thread **OPTION**

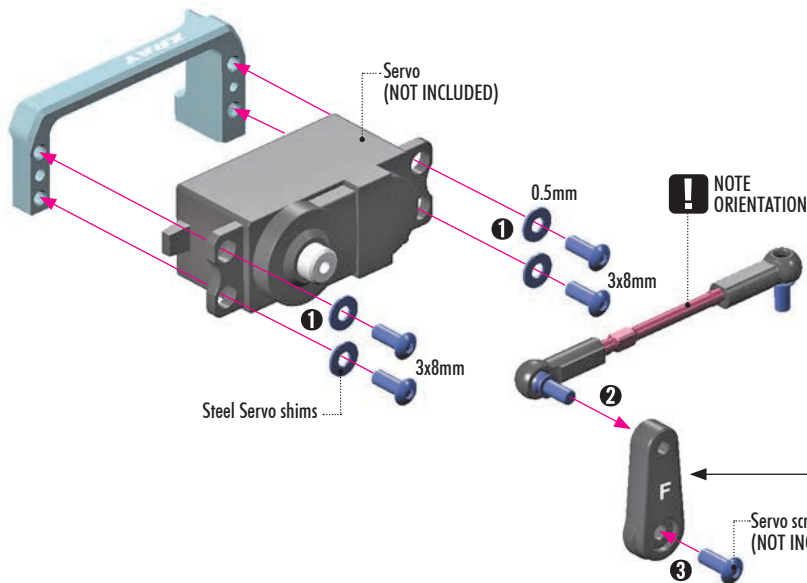


#992345
HUDY Adjustable Turnbuckle 45mm M3 L/R - Titanium (2)



4x 902308
SH M3x8

4x 961032
SHIM S 3.2



HUDY ALU SERVO HORNS

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

HUDY CLAMP ALU SERVO HORNS

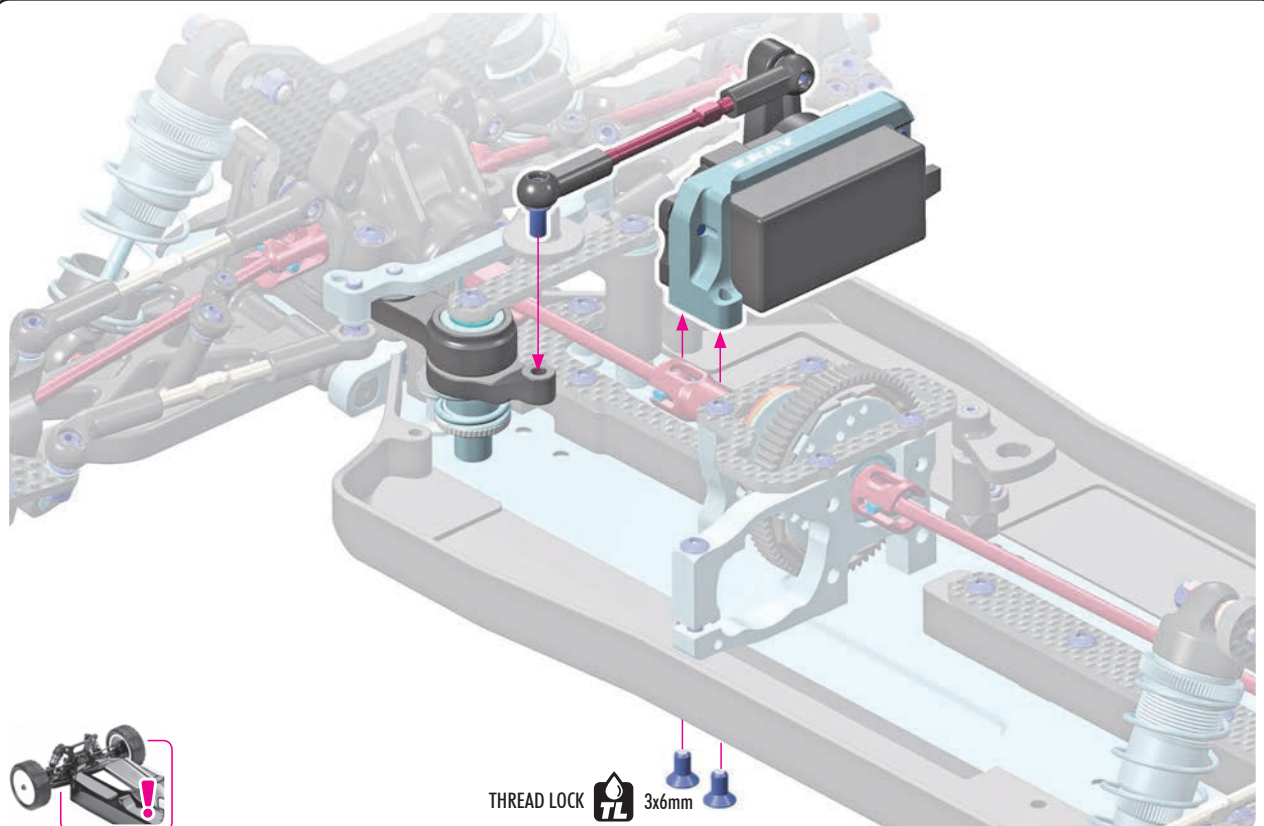
#293404	23T
#293405	24T
#293406	25T

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

USE APPROPRIATE SERVO ARM:



2x 903306
SFH M3x6



THREAD LOCK  3x6mm

2x 902310
SH M3x10

Motor (NOT INCLUDED)

NOTE ORIENTATION

3x10mm

Pinion & Set screw (NOT INCLUDED)

Loosen the screw. 1

2 Insert motor into the bulkhead.

PINIONS (48P)

#294017	17T
#294018	18T
#294019	19T
#294020	20T
#294021	21T
#294022	22T
#294023	23T
#294024	24T
#294025	25T
#294026	26T
#365727	27T
#365728	28T
#365729	29T

RECOMMENDED INITIAL COMBINATIONS

Motor	Spur	Pinion	Ratio
4.5T	81T	17T	11.91
5.5T	81T	18T	11.25
6.5T	81T	19T	10.65
7.5T	81T	20T	10.12
8.5T	81T	21T	9.64
10.5T	72T	24T	7.50
13.5T	72T	25T	7.20

GEAR RATIO Final Drive Ratio

81 : X x 2.5 = FDR

(Spur) (Pinion) (IGR)

GEAR MESH

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

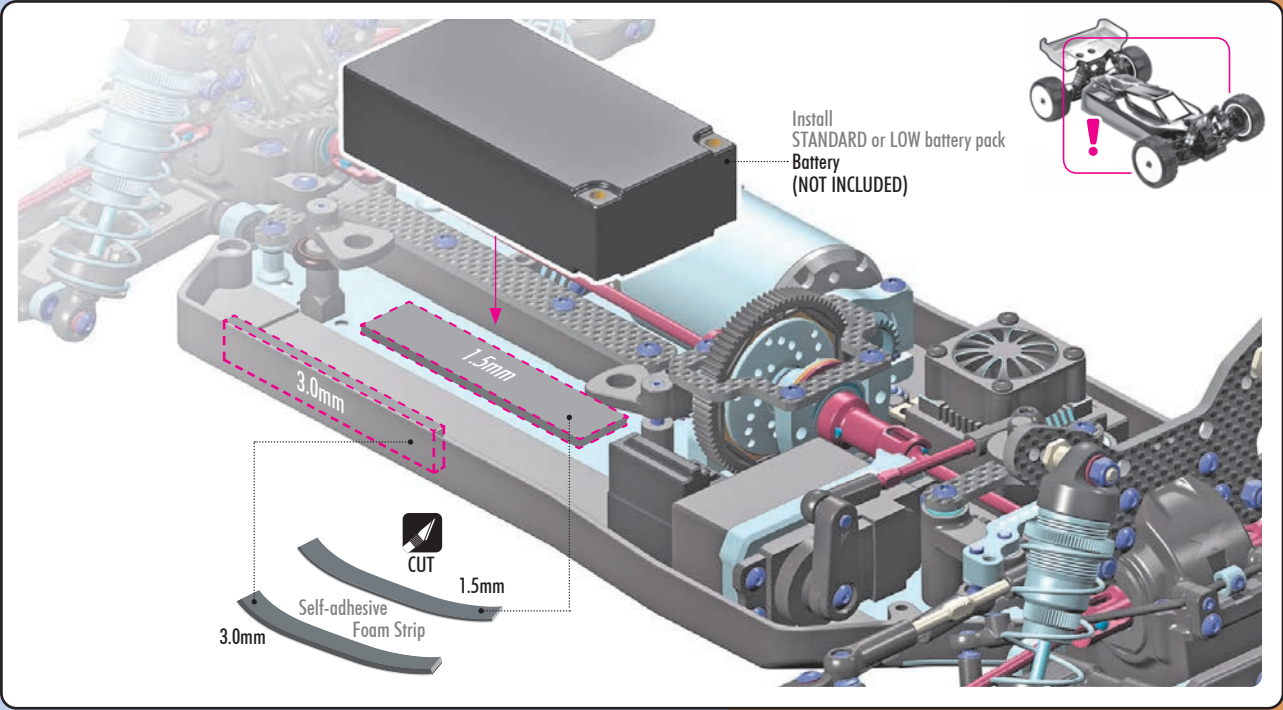
1 Adjust gear mesh.
2 Tighten the screw.
3 Check the gear mesh again.
4 Redo if necessary.

CORRECT

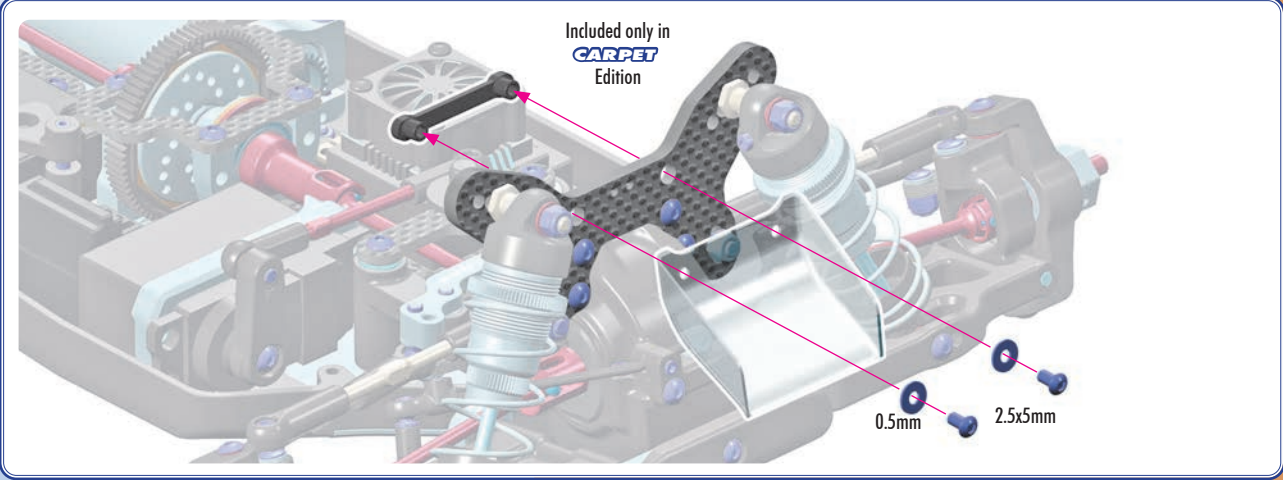
INCORRECT

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

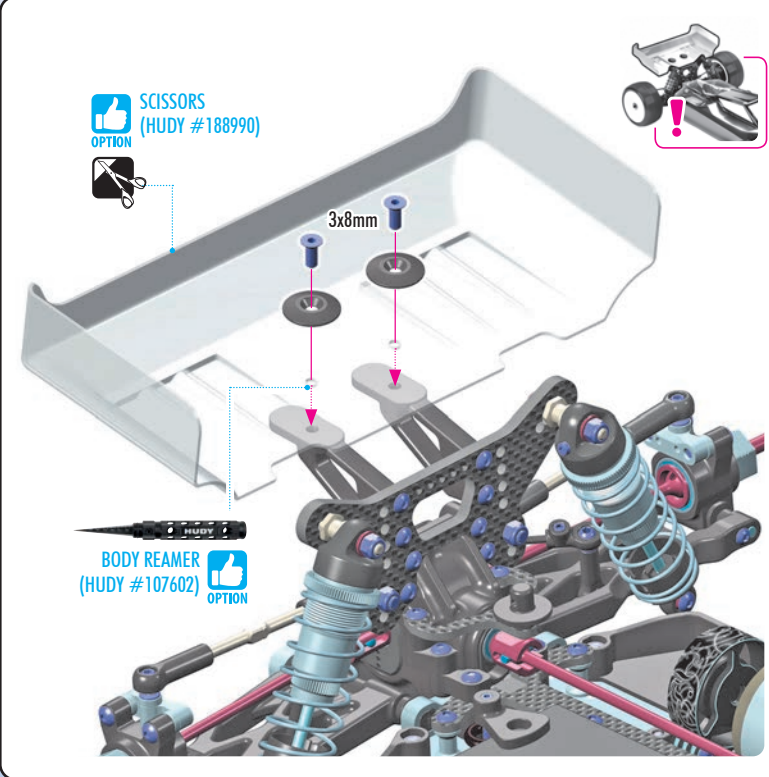
There should be a small amount of play between the teeth of the pinion gear and the spur gear.



- 2x 961025 S2.5
- 2x 902255 SH M2.5x5



- 2x 903308 SFH M3x8



#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

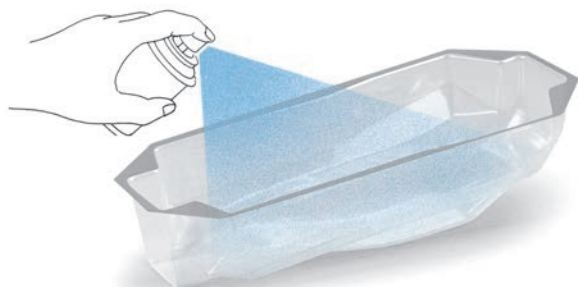
#323515	1.0mm	ZAP OPTION
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REAR WING SHIMS

#293561	SILVER	OPTION
#293561-O	ORANGE	OPTION
#293561-K	BLACK	OPTION

- Before cutting and making holes on the BODY, put the unpainted body on the chassis to confirm the mounting position and location for holes and cutouts. Before cutting and making holes on the WING, put the unpainted wing on the wing holders to confirm the mounting position and location for holes and cutouts.
- Before painting, wash the inside of the body with mild detergent, and then rinse and dry thoroughly.
- Mask all windows.

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



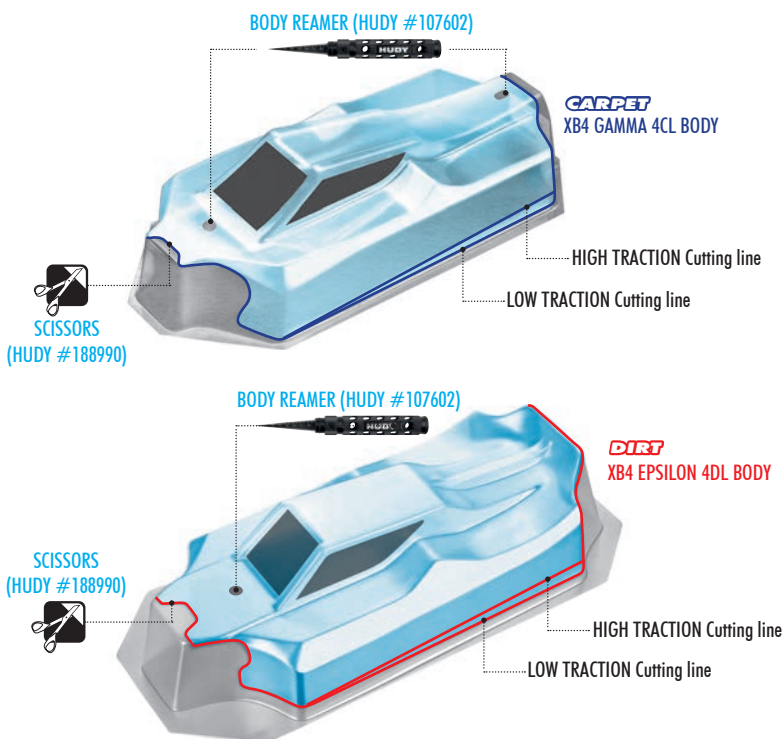
XRAY LEXAN BODY

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

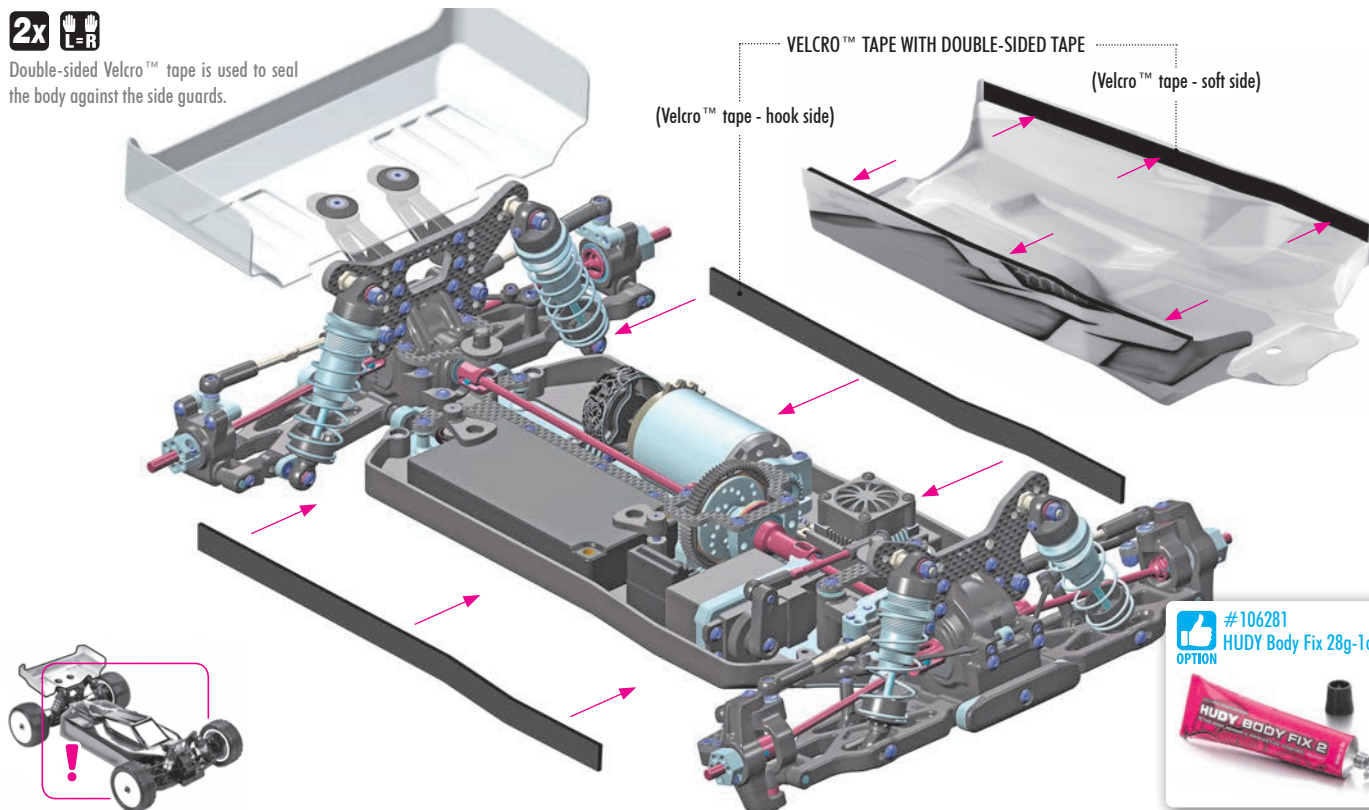


#209240

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



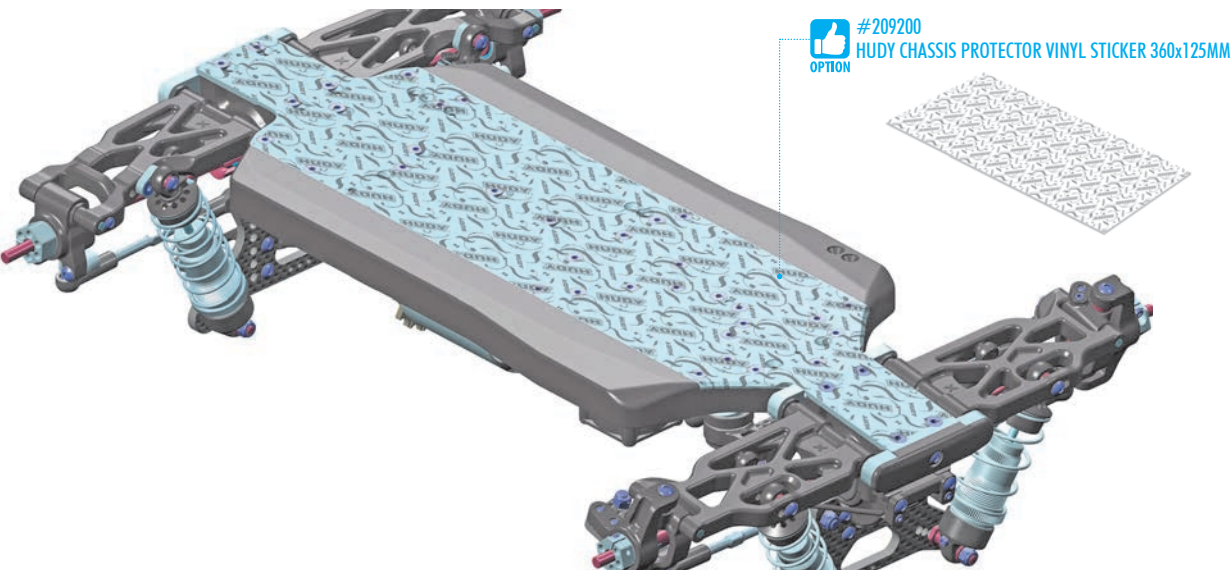
Double-sided Velcro™ tape is used to seal the body against the side guards.



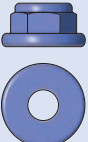
#106281

HUDY Body Fix 28g-1oz





#209200
HUDY CHASSIS PROTECTOR VINYL STICKER 360x125MM
OPTION

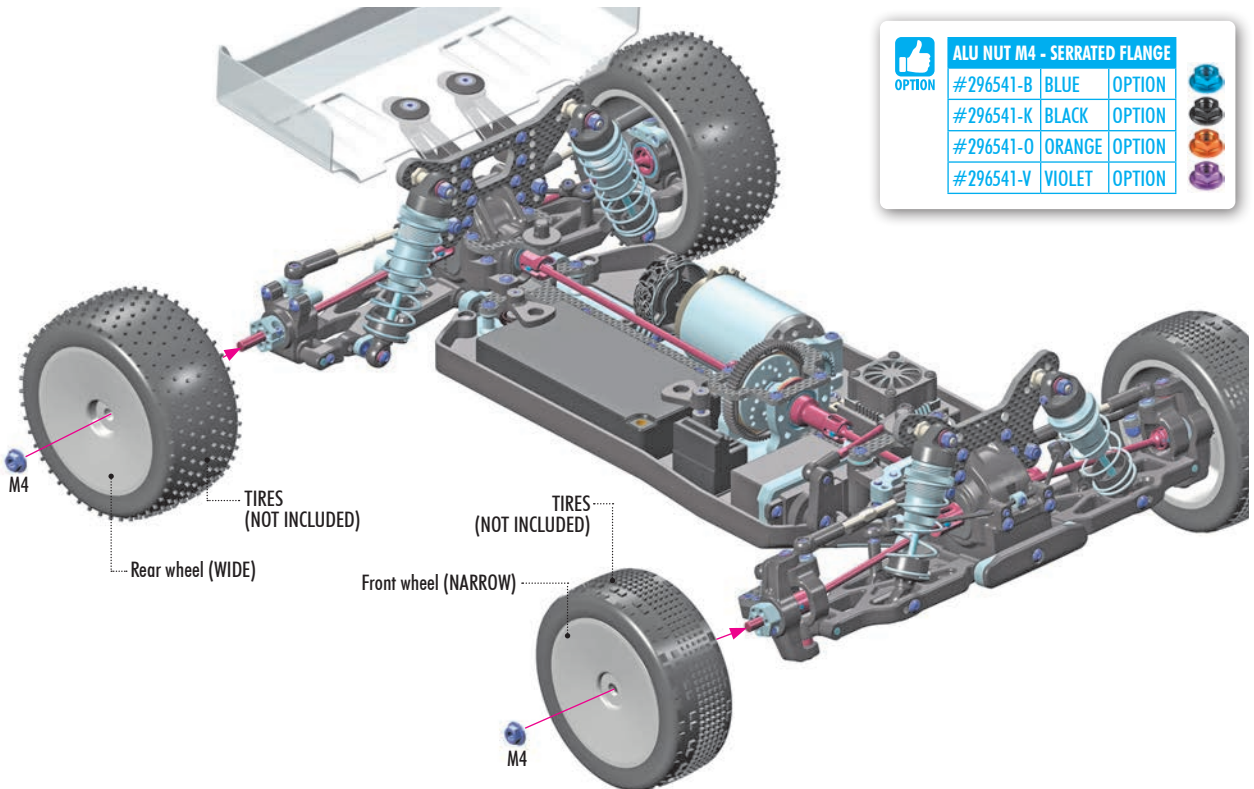


4x 960240
N M4



ALU NUT M4 - SERRATED FLANGE

#296541-B	BLUE	OPTION
#296541-K	BLACK	OPTION
#296541-O	ORANGE	OPTION
#296541-V	VIOLET	OPTION



XRAY FRONT AERODISK WHEELS 12mm

#369902-H	HARD	WHITE	10pcs	OPTION
#369902-Y	HARD	YELLOW	10pcs	OPTION
#369912-H	HARD	WHITE	2pcs	INCLUDED
#369912-Y	HARD	YELLOW	2pcs	OPTION



XRAY REAR AERODISK WHEELS 12mm

#329901-H	HARD	WHITE	10pcs	OPTION
#329901-Y	HARD	YELLOW	10pcs	OPTION
#329913-H	HARD	WHITE	2pcs	INCLUDED
#329913-Y	HARD	YELLOW	2pcs	OPTION



HUDY FRONT AERODISK WHEELS



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



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)

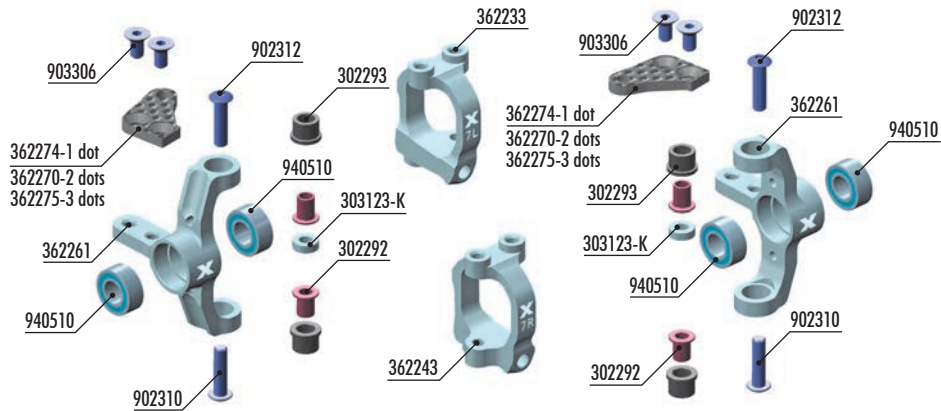
XRAY TUNING PARTS - ASSEMBLY DETAILS

(NOT INCLUDED)



#360901

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) - 1 DOT
 362274 GRAPHITE EXTENSION FOR ALU STEERING BLOCK (L+R) - 2 DOTS

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

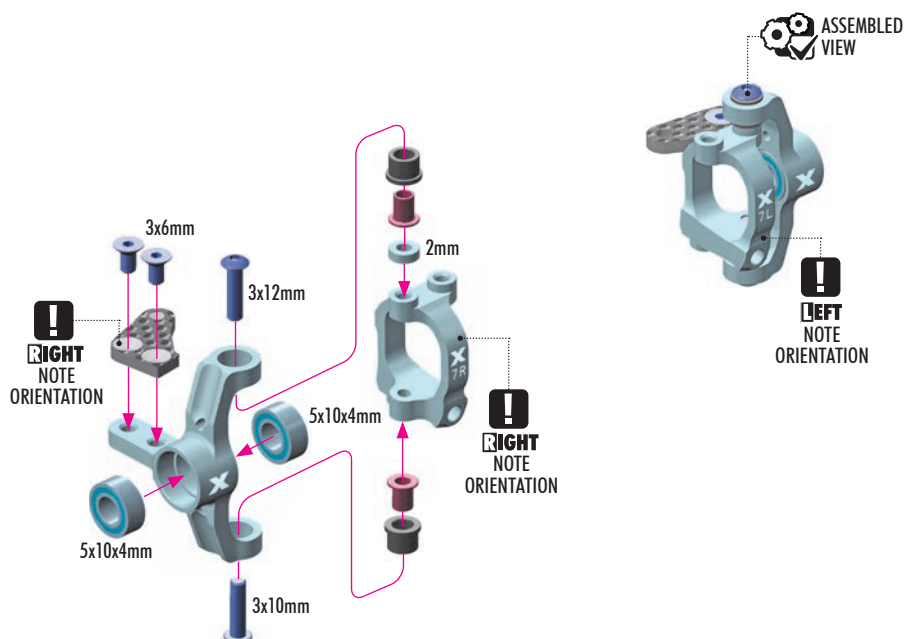


4x 903306
SFH M3x6



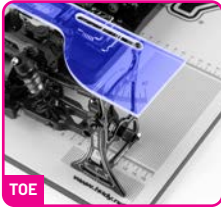
4x 940510
BB 5x10x4

2x

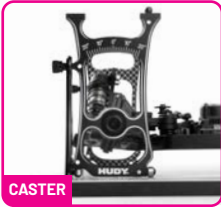


HUDY SET-UP TOOL & ACCESSORIESS

(NOT INCLUDED)



TOE



CASTER



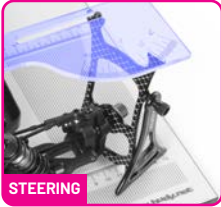
FRONT & REAR CAMBER



WHEEL NUTS INCLUDED



SET-UP BOOK



STEERING



CARRYING BOX & FOAM INSERTS



ASSEMBLY NUTS INCLUDED

#108901

HUDY Set-Up Station for 1/10 Off-road

- Precision track-width change
- Must-have set-up tool for a complete suspension geometry adjustment
- Quick and straight-forward "one screw" assembly/disassembly
- Backlash-free, wobble-free mounting
- Fully ball-bearing equipped set-up stands (12 high-precision ball-bearings)
- Ultra-smooth, ultra-precise movement and operation
- CNC-machined from high-grade premium Swiss 7075 T6 aluminum
- CNC-machined upside measure plate form tough acrylic plastic
- All components have precision engraving for instant & reliable readings
- Carrying box with foam inserts for safe storage & transportation
- High-quality, super precision & long life
- Industry standard for set-up tools since 1992



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

EXCLUSIVE PROFESSIONAL

HUDY®

108601 - Grey

108603 - Dark Gray

108602 - Silver Gray

108604 - Titan

108605-Black

199183

104004

107701

106000 + 106036

109801

181090

107740

107742

293100

293101

293110

293112

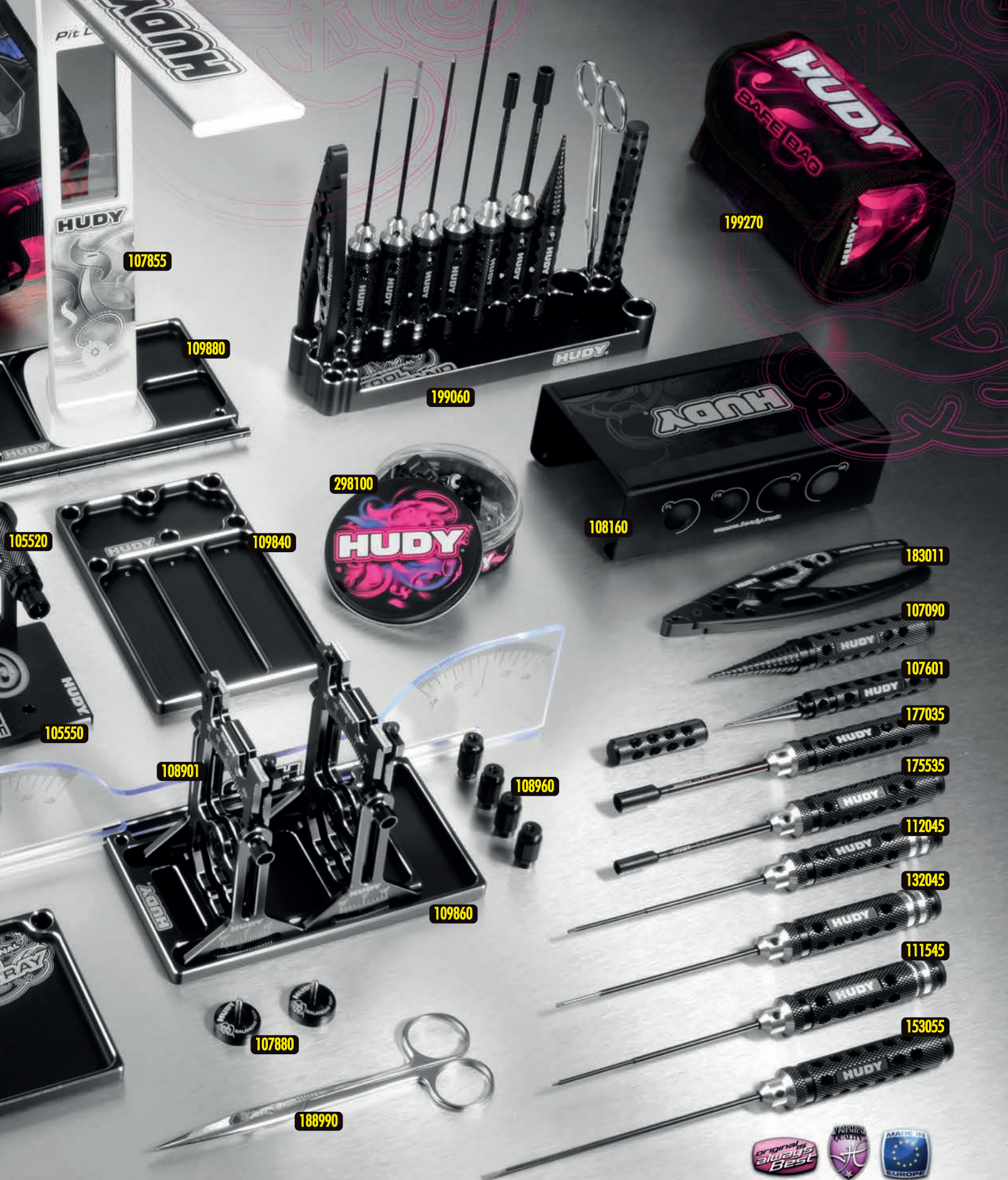
181035 3.5mm

181030 4.0mm

108190

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 Ø-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 3 MM
 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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