

XRAY

1/10 LUXURY ELECTRIC TOURING CAR 4WD

T4

2018

INSTRUCTION MANUAL

MADE IN
EUROPE

WORLD
VICE-CHAMPION
2X

EUROPEAN
CHAMPION
Modified

5X
EUROPEAN
CHAMPION
Stock

2X
ETS
EURO TOURING SERIES
SEASON WINNER
MODIFIED

6X
ETS
EURO TOURING SERIES
SEASON WINNER
STOCK

49X
USA
NATIONAL
CHAMPION

BEFORE YOU START

The T4 is a high-competition, high-quality, 1/10-scale touring 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 T4, **YOU MUST** read through all of the operating instructions and instruction manual and fully understand them to get

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

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

SAFETY PRECAUTIONS

Contains:

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

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

CAUTION: CANCER HAZARD

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

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

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



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.

the maximum enjoyment and prevent unnecessary damage. Read carefully and fully understand the instructions before beginning assembly.

Make sure you review this entire manual, download and use set-up book from the web, and examine all details carefully. If for some reason you decide The T4 is not what you wanted or expected, do not continue any further. Your hobby dealer cannot accept your T4 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.

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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.

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

XRAY

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.

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

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.

damage from crashing, chemical and/or water damage, excessive moisture, improper or no maintenance, or user modifications which compromise the integrity of components. Warranty will not cover components that are considered consumable on RC vehicles. XRAY does not pay nor refund shipping on any component sent to XRAY or its distributors for warranty. XRAY reserves the right to make the final determination of the warranty status of any component or part.

Limitations of Liability

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

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

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

All rights reserved.

QUALITY CERTIFICATE

XRAY MODEL RACING CARS uses only the highest quality materials, the best compounds for molded parts and the most sophisticated manufacturing processes of TQM (Total Quality Management). We guarantee that all parts of a newly-purchased kit are manufactured with the highest regard to quality. However, due to the many factors inherent in model racecar competition, we cannot guarantee

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

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

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

SYMBOLS USED

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

TOOLS REQUIRED

HUDY TOOLS: Allen: 1.5mm Allen: 2.0mm Allen: 2.5mm Allen: 3.0mm Socket: 5.5mm Socket: 7.0mm Arm Reamer 3.0mm							Turnbuckle Wrench 4mm (HUDY #181040)
Scissors (HUDY #188990) 	Combination Pliers (HUDY #189020) 	Side Cutters (HUDY #189010) 	Pocket Hobby Knife (HUDY #188981) 	RC Shock-Plier Uni Tool (HUDY #183011) 	Reamer (HUDY #107600) or (HUDY #107601) 		

ITEMS INCLUDED

Premium Silicone Oil 400cSt (HUDY #106340) 	Premium Silicone Oil 3000cSt (HUDY #106430)
Graphite Grease (HUDY #106210) 	

NOT INCLUDED

	To ensure that you always have access to the most up-to-date version of the XRAY Set-up Book, XRAY will now be offering only the digital online version on our website www.teamxray.com . By offering this online version instead of including a hardcopy printed version in kits, you will always be assured of having the most current updated version.								
<table border="1"> <thead> <tr> <th colspan="2">SAMPLE OF OPTIONAL PARTS</th> </tr> </thead> <tbody> <tr> <td>#30XXX</td> <td>OPTION 1</td> </tr> <tr> <td>#30XXX</td> <td>OPTION 2</td> </tr> <tr> <td>#30XXX</td> <td>OPTION 3</td> </tr> </tbody> </table>	SAMPLE OF OPTIONAL PARTS		#30XXX	OPTION 1	#30XXX	OPTION 2	#30XXX	OPTION 3	XRAY offers wide range of optional tuning parts which are listed in tables like these. Please refer to the exploded view of each main section to verify which part is included in the kit while all other parts are available only as an optional part and must be purchased separately.
SAMPLE OF OPTIONAL PARTS									
#30XXX	OPTION 1								
#30XXX	OPTION 2								
#30XXX	OPTION 3								

EQUIPMENT REQUIRED

Transmitter 	Receiver 	Steering Servo 	Electric Motor & Pinion Gear and Setscrew 	Bearing Oil (HUDY #106230) 	Speed Controller
190mm Bodyshell 	LiPo Battery 	Lexan™ Paint 	Battery Charger 	Fibre Tape (HUDY #107870) Double-sided Tape (HUDY #107875) 	Wheels & Tires & Inserts

COLOR INDICATIONS

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

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

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

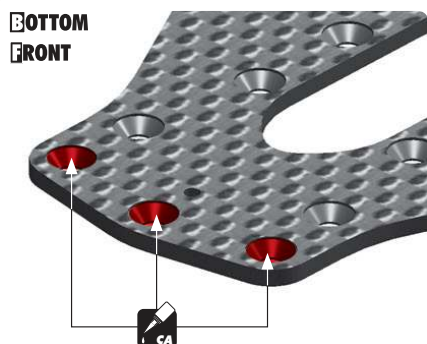
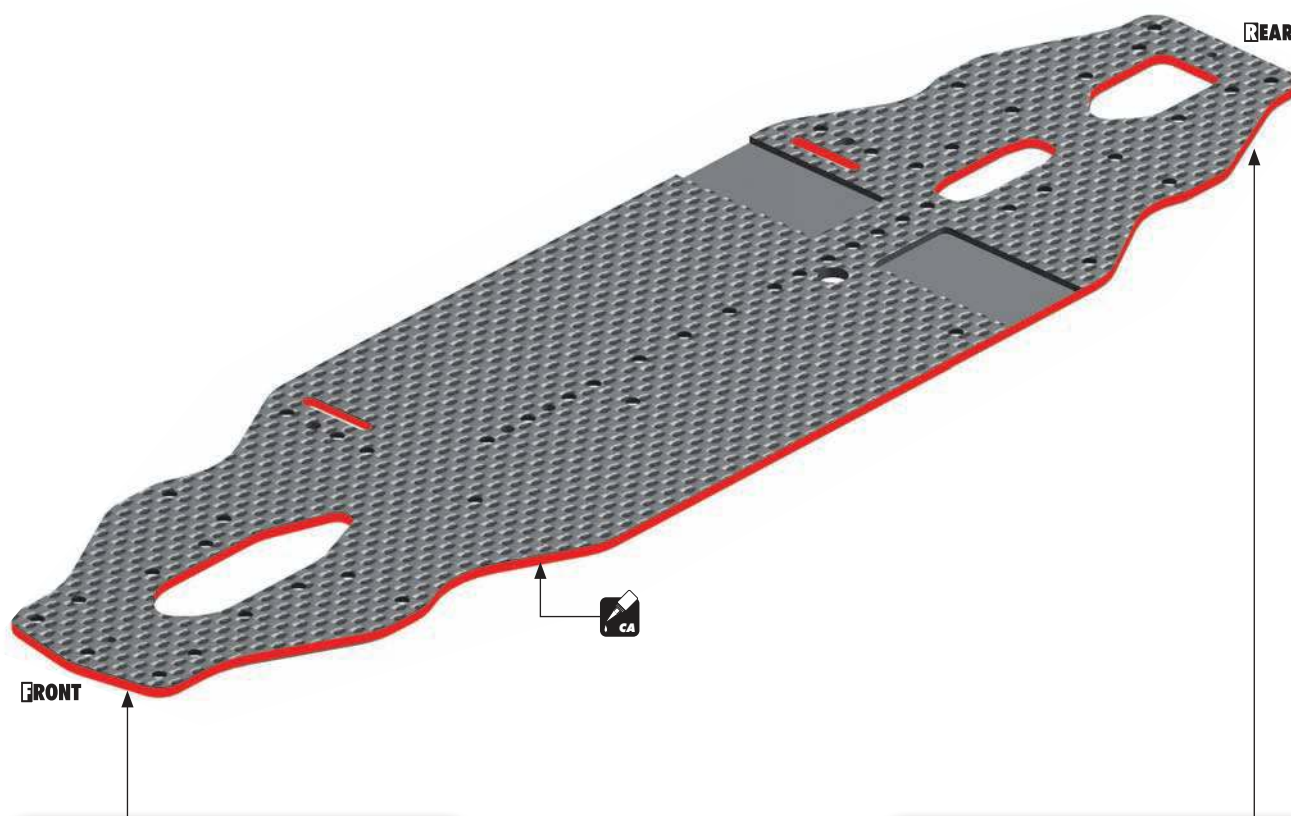
STYLE B - indicates parts that are included in the box.

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

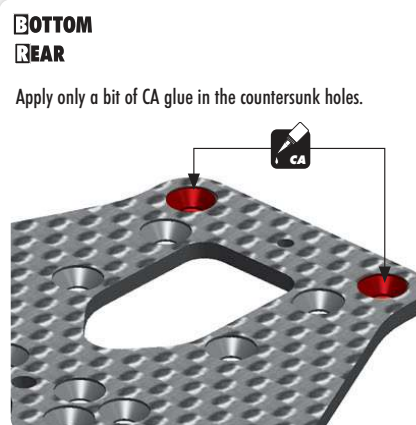
CHASSIS PREPARATION

To protect and seal edges of graphite parts, sand edges smooth and then apply CA glue.

Do this for: chassis edges, countersunk holes, and shock towers.



Apply only a bit of CA glue in the countersunk holes.



Apply only a bit of CA glue in the countersunk holes.

1. GEAR DIFFERENTIAL & FRONT SOLID AXLE

#304932
OPTION GRAPHITE GEAR DIFF BEVEL & SATELLITE GEARS (2+4)

#309002
OPTION SET OF CERAMIC BALL-BEARINGS (14)

#304971
OPTION HUDY SPRING STEEL™ OUTDRIVES

#305136
OPTION ALU SOLID DRIVESHAFT ADAPTERS

#305137
OPTION STEEL SOLID AXLE DRIVESHAFT ADAPTERS HUDY SPRING STEEL™

01.2
GEAR DIFFERENTIAL

01.1
COMPOSITE SOLID AXLE

BAG
01.1
01.2

30 4900	XRAY GEAR DIFFERENTIAL - SET	90 2310	HEX SCREW SH M3x10 (10)
30 4910	COMPOSITE GEAR DIFF. CASE & COVER	90 3256	HEX SCREW SFH M2.5x6 (10)
30 4930	COMPOSITE GEAR DIFF BEVEL & SATELLITE GEARS (2+4)	94 1015	HIGH-SPEED BALL-BEARING 10x15x4 RUBBER SEALED (2)
30 4970	ALU GEAR DIFF OUTDRIVE ADAPTER - 7075 T6 (2)	96 4031	WASHER S 3.5x10x0.2 (10)
30 4980	COMPOSITE GEAR DIFF CROSS PIN	96 4050	WASHER S 5x15x0.3 (10)
30 4990	DIFF GASKET (4)	97 1240	SILICONE O-RING 24x0.7 (10)
30 5105	XRAY MULTI-DIFF T3/T4 LiPo (OPTION)	97 2050	SILICONE O-RING 5x2 (10)
30 5135	COMPOSITE SOLID AXLE DRIVESHAFT ADAPTERS (2)	98 1210	PIN 2x10 (10)
30 5188	COMPOSITE SOLID AXLE 38T - SET		

964050
S 5x15x0.3

972050
O 5x2

981210
P 2x10

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STEP 4 5 DETAIL

#304971
OPTION HUDY SPRING STEEL™ OUTDRIVES

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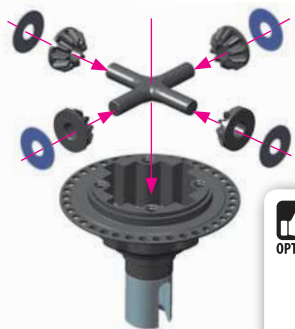
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STEP 4 DETAIL

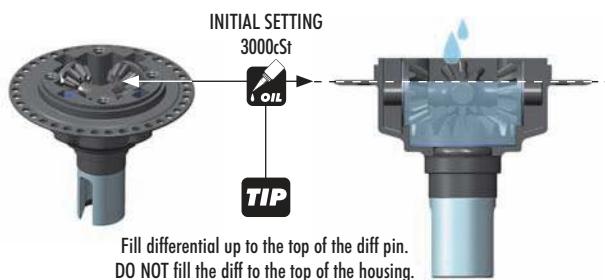
03.25
STEP 4 DETAIL

1. GEAR DIFFERENTIAL & FRONT SOLID AXLE

964031
S 3.5x10x0.2



OPTION #304932
GRAPHITE GEAR DIFF BEVEL &
SATELLITE GEARS (2 + 4)



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



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



① Put the diff (without oil) on the scale and check the weight (approximately 7.90g)

$$7.9g + 1.5g = 9.4g$$

② Slowly pour oil into the diff and watch the weight. Add 1.5g of oil into the diff. The approximate weight of the diff including oil is 9.40g.

TIP

TIPS FOR DIFFERENTIALS

TIP

LOW TRACTION

1000cSt (HUDY #106410)
2000cSt (HUDY #106420)

MEDIUM TRACTION

2000cSt (HUDY #106420)
3000cSt (HUDY #106430)
4000cSt (HUDY #106440)
5000cSt (HUDY #106450)

HIGH TRACTION

5000cSt (HUDY #106450)
6000cSt (HUDY #106460)
7000cSt (HUDY #106470)
8000cSt (HUDY #106480)
9000cSt (HUDY #106490)

10000cSt (HUDY #106510)

SUPER-HIGH TRACTION

10000cSt (HUDY #106510)
15000cSt (HUDY #106515)
20000cSt (HUDY #106520)

NOTE

SOFTER oil increases rear traction, HARDER oil increases on-power steering and stability. It is important not to use soft oils in high-traction conditions as this would not increase traction, but would make the car loose as the car would become too twitchy.

However, if the oil is too soft, it could generate the same effect like the car has no traction. Therefore it is very important to choose the correct oil very carefully. We recommend using softer oil first, then try harder oil to better understand the effect on the car's behavior at the track. Choose the oil accordingly.

TIP TIPS FOR FRONT DIFFERENTIAL

To increase on-power steering and cornering speed, the gear diff can also be used in the front.
NOTE: If you use the gear diff in the front, we recommend using optional #304971 HUDY Spring Steel™ outdrives because the stress on the outdrives in the front is much higher than in the rear.

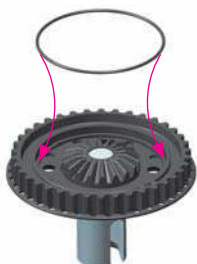
USE THESE OILS FOR FRONT DIFFERENTIAL

500,000 cSt (HUDY #106650)
1,000,000 cSt (HUDY #106692)
2,000,000 cSt (HUDY #106694)

To make the front differential tighter, you can use cleaning gum instead of oil.

IMPORTANT!

Using cleaning gum instead of oil in the gear differential can lead to gear breakage because the gears are working under dry conditions.



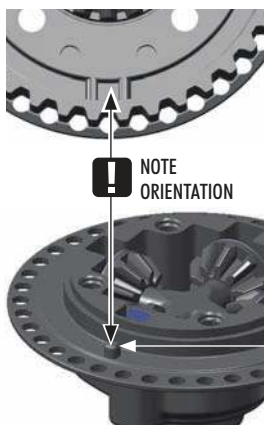
After disassembling the gear diff the large O-ring may have an increased size and may be more difficult to re-install. We recommend either inserting the old O-ring carefully in the diff cover, or replacing the old O-ring with a new O-ring if the old one cannot be made to fit properly.

1. GEAR DIFFERENTIAL & FRONT SOLID AXLE



903256
SFH M2.5x6

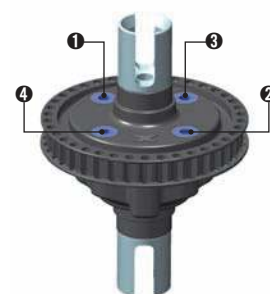
BOTTOM



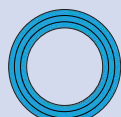
NOTE ORIENTATION



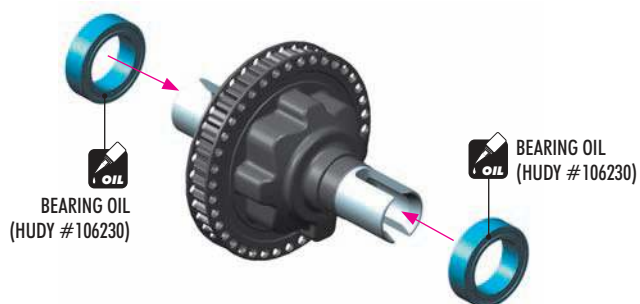
Tighten the screws equally but do NOT tighten them completely.



Finish tightening in this order.



941015
BB 10x15x4



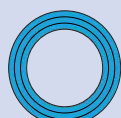
BEARING OIL
(HUDY #106230)

BEARING OIL
(HUDY #106230)

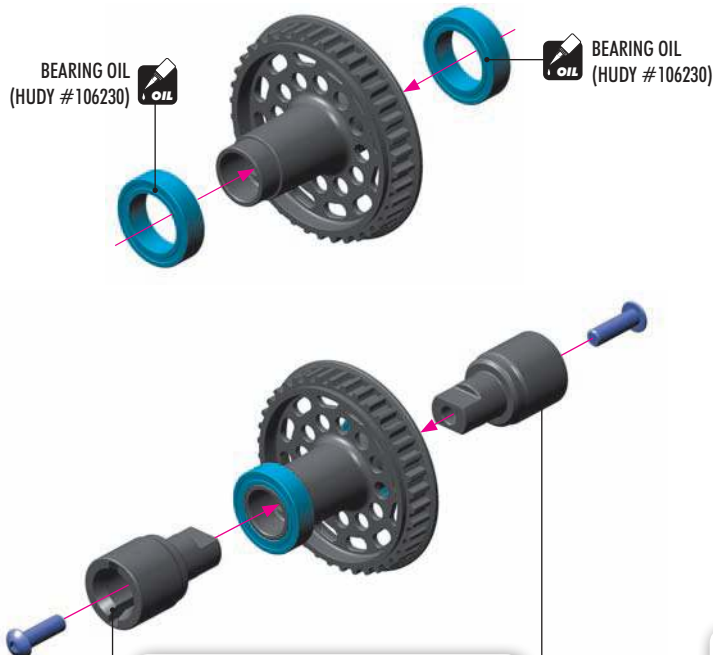
COMPOSITE FRONT SOLID AXLE



902310
SH M3x10



941015
BB 10x15x4



BEARING OIL
(HUDY #106230)

BEARING OIL
(HUDY #106230)



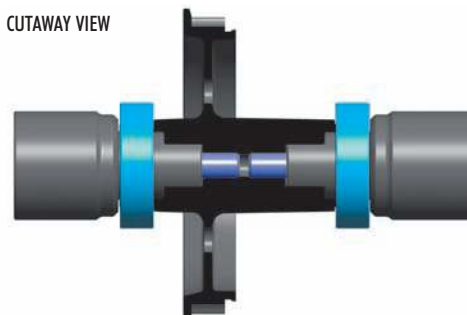
#305137
STEEL SOLID AXLE DRIVESHAFT ADAPTERS
HUDY SPRING STEEL™



#305136
ALU SOLID DRIVESHAFT ADAPTERS

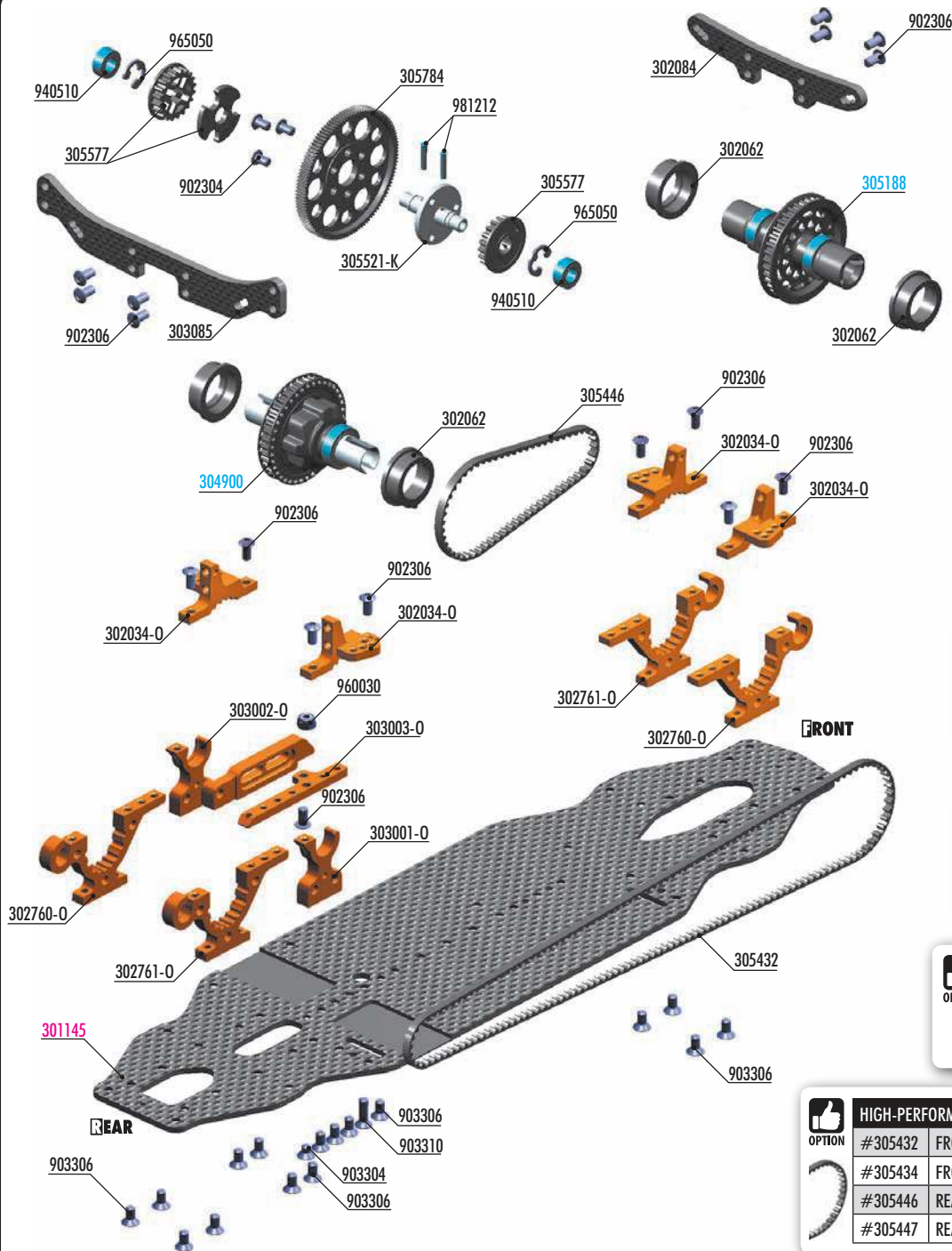


CUTAWAY VIEW



FRONT & REAR AXLES

2. CENTRAL TRANSMISSION



OFFSET SPUR GEARS 48P

#	TOOTH COUNT	OPTION
#305772	72T / 48P	OPTION
#305776	76T / 48P	OPTION
#305778	78T / 48P	OPTION
#305779	79T / 48P	OPTION
#305781	81T / 48P	OPTION
#305784	84T / 48P	INCLUDED

OFFSET SPUR GEARS 64P

#	TOOTH COUNT	OPTION
#305860	90T / 64P	OPTION
#305862	92T / 64P	OPTION
#305866	96T / 64P	OPTION
#305869	99T / 64P	OPTION
#305870	100T / 64P	OPTION
#305874	104T / 64P	OPTION
#305876	106T / 64P	OPTION
#305878	108T / 64P	OPTION
#305880	110T / 64P	OPTION
#305882	112T / 64P	OPTION
#305884	114T / 64P	OPTION



#309002
SET OF CERAMIC BALL-BEARINGS (14)



#303004
T4'18 BRASS MOTOR MOUNT PLATE



#302063
ALU ADJUSTMENT BALL-BEARING HUB (2)



HIGH-PERFORMANCE KEVLAR® DRIVE BELT

#	SIZE	TYPE	STATUS
#305432	FRONT 3 x 513 MM	STANDARD	INCLUDED
#305434	FRONT 3 x 513 MM	LOW-FRICTION	OPTION
#305446	REAR 3 x 189 MM	STANDARD	INCLUDED
#305447	REAR 3 x 189 MM	LOW-FRICTION	OPTION



#303071
BELT TENSIONER SET



#301147
T4'18 ALU FLEX CHASSIS 2.0MM



#301146
T4'18 ALU CHASSIS 2.0MM



BAG

02

- 30 2034-O T4 ALU UPPER CLAMP WITH 5 ADJ. ROLL-CENTERS (L+R) - ORANGE
- 30 2062 T4 COMPOSITE ADJUSTMENT BALL-BEARING HUB (4)
- 30 2084 ULP SHOCK TOWER FRONT 3.0MM GRAPHITE
- 30 2760-O T4 ALU LOWER ADJUSTMENT BULKHEAD - FRONT R / REAR L - ORANGE
- 30 2761-O T4 ALU LOWER ADJUSTMENT BULKHEAD - FRONT L / REAR R - ORANGE
- 30 3001-O T4'18 ALU LAYSHAFT BULKHEAD RIGHT - ORANGE
- 30 3002-O T4'18 ALU MOTOR MOUNT - ORANGE
- 30 3003-O T4'18 ALU MOTOR MOUNT PLATE - ORANGE
- 30 3085 ULP SHOCK TOWER REAR 3.0MM GRAPHITE
- 30 5432 HIGH-PERFORMANCE KEVLAR® DRIVE BELT FRONT 3 x 513 MM
- 30 5446 HIGH-PERFORMANCE KEVLAR® DRIVE BELT REAR 3 x 189 MM
- 30 5521-K ALU SOLID LAYSHAFT - BLACK
- 30 5577 COMPOSITE FIXED PULLEY 20T (2)
- 30 5784 SPUR GEAR 84T / 48

- 90 2304 HEX SCREW SH M3x4 - STAINLESS (10)
- 90 2306 HEX SCREW SH M3x6 (10)
- 90 3304 HEX SCREW SFH M3x4 (10)
- 90 3306 HEX SCREW SFH M3x6 (10)
- 90 3310 HEX SCREW SFH M3x10 (10)
- 94 0510 HIGH-SPEED BALL-BEARING 5x10x4 RUBBER SEALED (2)
- 96 0030 NUT M3 (10)
- 96 5050 E-CLIP 5 (10)
- 98 1212 PIN 2x12 (10)

30 4900 XRAY GEAR DIFFERENTIAL - SET
30 5188 COMPOSITE SOLID AXLE 38T - SET

30 1145 T4'18 CHASSIS 2.2MM GRAPHITE

2. CENTRAL TRANSMISSION

902306
SH M3x6

903304
SFH M3x4

903306
SFH M3x6

903310
SFH M3x10

960030
N M3

NOTE ORIENTATION

! Do not tighten fully yet, the nut will be tightened after the motor mount is mounted on the chassis.

NOTE ORIENTATION

REAR

FRONT

Do not tighten fully

SH M3x6

IMPORTANT!

Tighten screws in order indicated. M3 nut must always be tightened fully. When tightening the nut, use pliers.

The front screw improves steering response and in-corner steering. Recommended for medium-high traction tracks.

The back screws generate more traction and makes the car more stable in the chicanes. Recommended for low-medium traction tracks.

#303004
T4'18 BRASS MOTOR MOUNT PLATE

OPTION

902304
SH M3x4

965050
CS

981212
P 2x12

SET-UP BOOK

GEARING ADJUSTMENT

CUTAWAY VIEW

NOTE ORIENTATION
only when using XRAY OFFSET spur gears.

1.

2.

3.

OFFSET SPUR GEARS 48P

#305772	72T	OPTION
#305776	76T	OPTION
#305778	78T	OPTION
#305779	79T	OPTION
#305781	81T	OPTION
#305784	84T	INCLUDED

OFFSET SPUR GEARS 64P

#305860	90T	OPTION
#305862	92T	OPTION
#305866	96T	OPTION
#305869	99T	OPTION
#305870	100T	OPTION
#305874	104T	OPTION
#305876	106T	OPTION
#305878	108T	OPTION
#305880	110T	OPTION
#305882	112T	OPTION
#305884	114T	OPTION

940510
BB 5x10x4

NOTE ORIENTATION

BEARING OIL (HUDY #106230)

Short belt Long belt

BEARING OIL (HUDY #106230)

FRONT

REAR

#302063
ALU ADJUSTMENT BALL-BEARING HUB (2)

OPTION

NOTE ORIENTATION

REAR

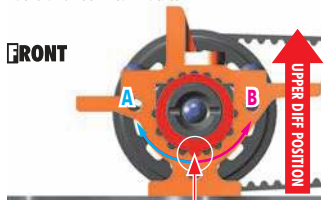
2. CENTRAL TRANSMISSION

FRONT BELT TENSION ADJUSTMENT

Front diff **UPPER** position - tab in bottom notch - provides **more steering**, but **less front traction**

Recommended for **medium-high** traction tracks and technical tracks.

FRONT



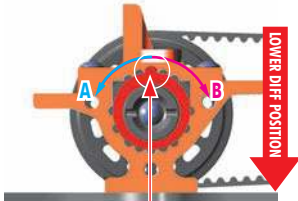
INITIAL POSITION FOR CARPET
Place tab in this **BOTTOM NOTCH**

TO LOOSEN FRONT BELT: Rotate both front nylon hubs in arrow direction **A**

TO TIGHTEN FRONT BELT: Rotate both front nylon hubs in arrow direction **B**

Front diff **LOWER** position - tab in top notch - provides **more front traction**, but makes the car **push more on power**.

Recommended for **low-traction** tracks.

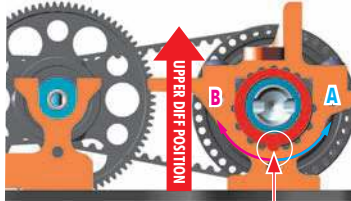


INITIAL POSITION FOR ASPHALT
Place tab in this **TOP NOTCH**

REAR BELT TENSION ADJUSTMENT

Rear diff **UPPER** position - tab in bottom notch - provides **more on-power steering**, but makes the rear slightly **more loose**.

Recommended for **medium-high** traction tracks.



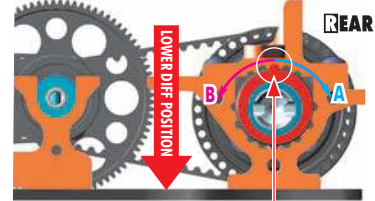
INITIAL POSITION FOR CARPET
Place tab in this **BOTTOM NOTCH**

TO LOOSEN REAR BELT: Rotate both rear nylon hubs in arrow direction **A**

TO TIGHTEN REAR BELT: Rotate both rear nylon hubs in arrow direction **B**

Rear diff **LOWER** position - tab in top notch - provides **more rear traction** (mainly on-power), makes the car **more stable in chicanes**, but makes the car **push on-power**.

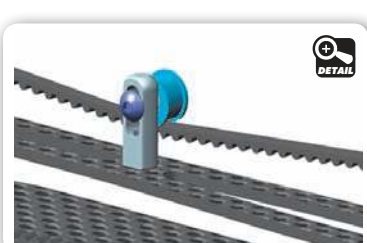
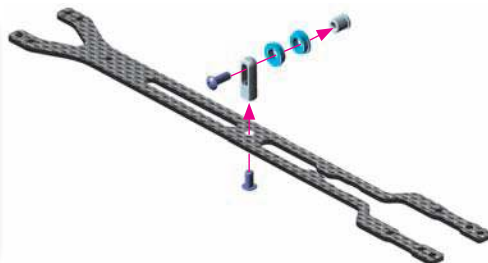
Recommended for **low-medium** traction tracks.



INITIAL POSITION FOR ASPHALT
Place tab in this **TOP NOTCH**

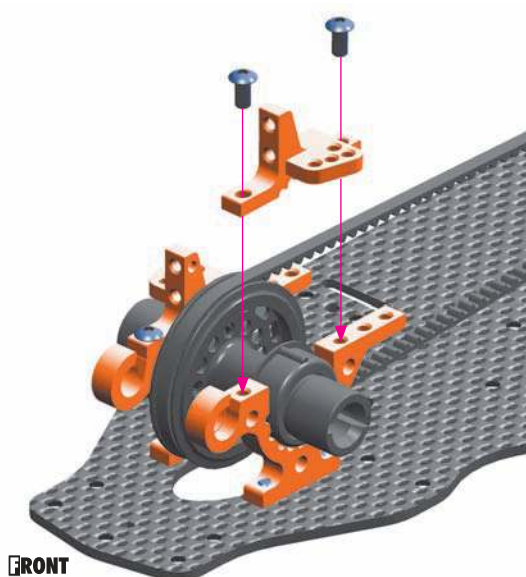
#303071 BELT TENSIONER SET

May be used when the front belt becomes worn and loose. Belt tensioner is **NOT** included in the kit and must be purchased separately.



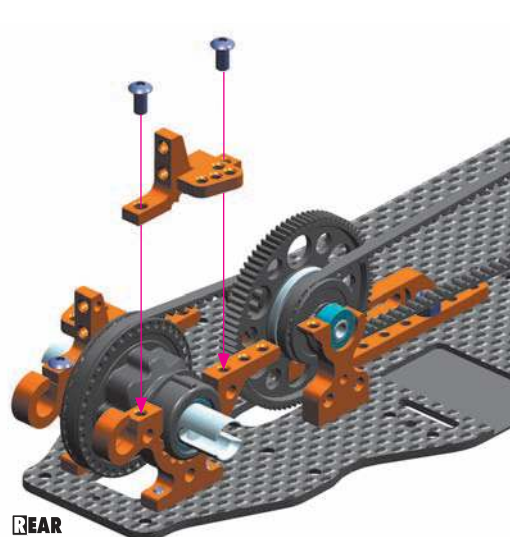
902306
SH M3x6

L=R



FRONT

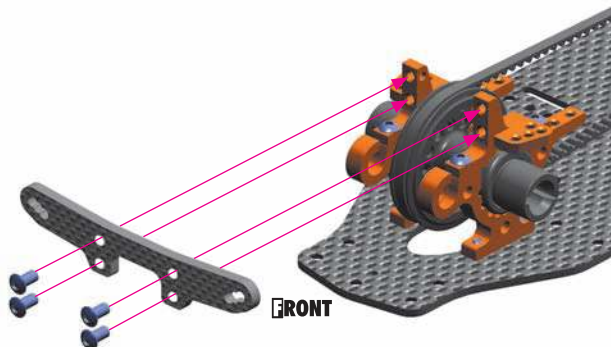
L=R



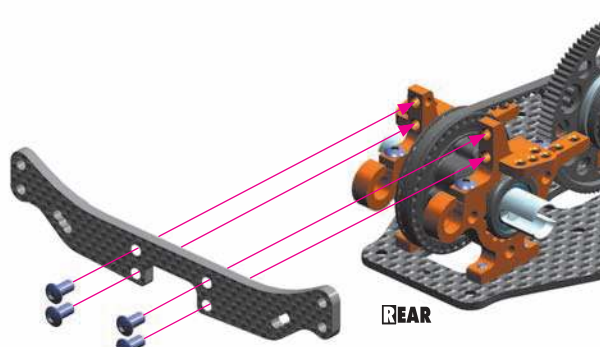
REAR



902306
SH M3x6



FRONT



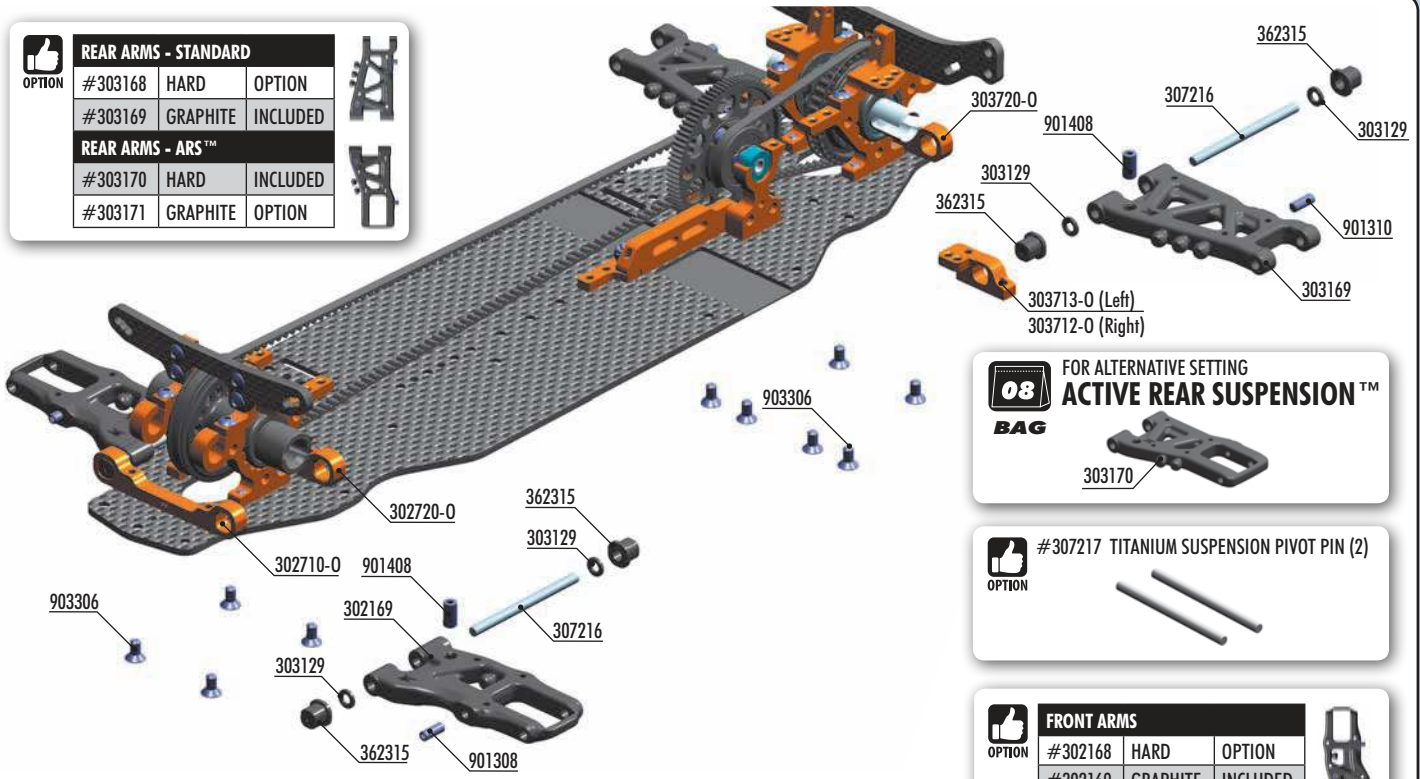
REAR

3. FRONT & REAR SUSPENSION



REAR ARMS - STANDARD

#303168	HARD	OPTION
#303169	GRAPHITE	INCLUDED
REAR ARMS - ARS™		
#303170	HARD	INCLUDED
#303171	GRAPHITE	OPTION



FOR ALTERNATIVE SETTING

ACTIVE REAR SUSPENSION™



#307217 TITANIUM SUSPENSION PIVOT PIN (2)



FRONT ARMS

#302168	HARD	OPTION
#302169	GRAPHITE	INCLUDED



#302712-0 ALU FRONT 1-PIECE SUSPENSION HOLDER (FF-LOW) #302722-0 ALU FRONT 1-PIECE SUSPENSION HOLDER (FR-LOW)



#302711 BRASS FRONT 1-PIECE SUSPENSION HOLDER - FRONT - FF #302721 BRASS FRONT 1-PIECE SUSPENSION HOLDER - REAR - FR #303714 BRASS 2-PIECE SUSPENSION HOLDER - RIGHT #303715 BRASS 2-PIECE SUSPENSION HOLDER - LEFT #303721 BRASS REAR 1-PIECE SUSPENSION HOLDER - REAR - RR



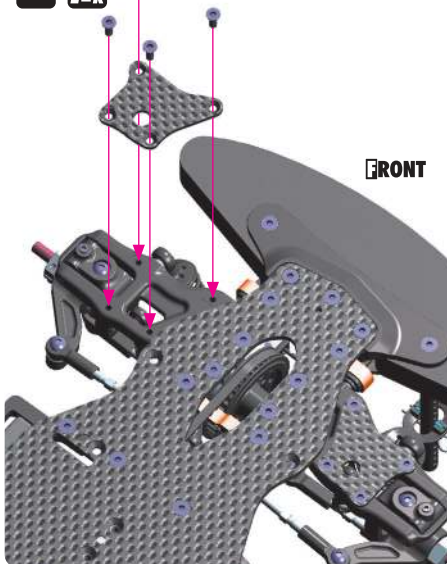
For better stability and to make the car easier to drive, optional #302190 and #303190 graphite stiffeners may be used on the suspension arms. Using only 4 screws, each graphite stiffener can be installed or removed which will completely change the characteristics of the car. Stiffeners may be used independently at front and/or rear. **IMPORTANT!** Install/remove stiffeners equally on left & right sides.

#30 2190

GRAPHITE FRONT LOWER ARM PLATE 1.6MM (2)



2.5x6mm



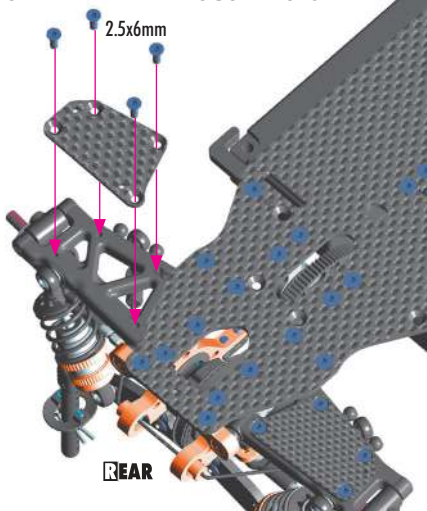
#30 3190

GRAPHITE REAR LOWER ARM PLATE 1.6MM (2)



2.5x6mm

STANDARD REAR SUSPENSION



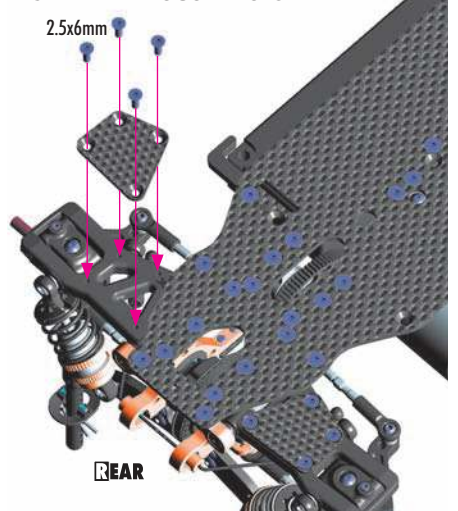
#30 3192

ARS GRAPHITE REAR LOWER ARM PLATE 1.6MM (2)



2.5x6mm

ACTIVE REAR SUSPENSION™



BAG



- 30 2169 FRONT SUSPENSION ARM - GRAPHITE - 1-HOLE
- 30 2710-0 ALU FRONT LOWER 1-PIECE SUSPENSION HOLDER - FRONT - FF
- 30 2720-0 ALU FRONT LOWER 1-PIECE SUSPENSION HOLDER - REAR - FR
- 30 3129 COMPOSITE SET OF WHEELBASE SHIMS (3x1MM; 1x2MM) (2)
- 30 3169 REAR SUSPENSION ARM - GRAPHITE - 1-HOLE
- 30 3170 ARS - ACTIVE REAR SUSPENSION ARM - HARD - 1-HOLE
- 303712-0 ALU LOWER 2-PIECE SUSPENSION HOLDER - RIGHT
- 303713-0 ALU LOWER 2-PIECE SUSPENSION HOLDER - LEFT

- 30 3711-0 ALU REAR LOWER 1-PIECE SUSPENSION HOLDER - FRONT - RF (OPTION)
- 30 3720-0 ALU REAR LOWER 1-PIECE SUSPENSION HOLDER - REAR - RR
- 30 7216 SUSPENSION PIVOT PIN (2)
- 36 2315 ECCENTRIC BUSHING SET (2)
- 90 1308 HEX SCREW SB M3x8 (10)
- 90 1310 HEX SCREW SB M3x10 (10)
- 90 1408 HEX SCREW SB M4x8 (10)
- 90 3306 HEX SCREW SFH M3x6 (10)

3. FRONT & REAR SUSPENSION

2x REAR ARMS

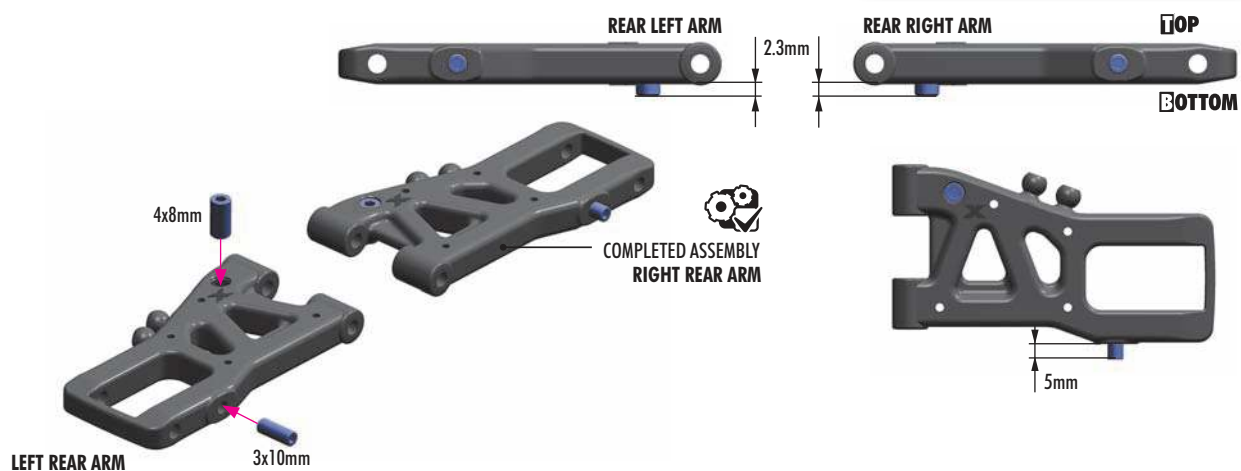
STANDARD REAR SUSPENSION

(INITIAL SETTING)



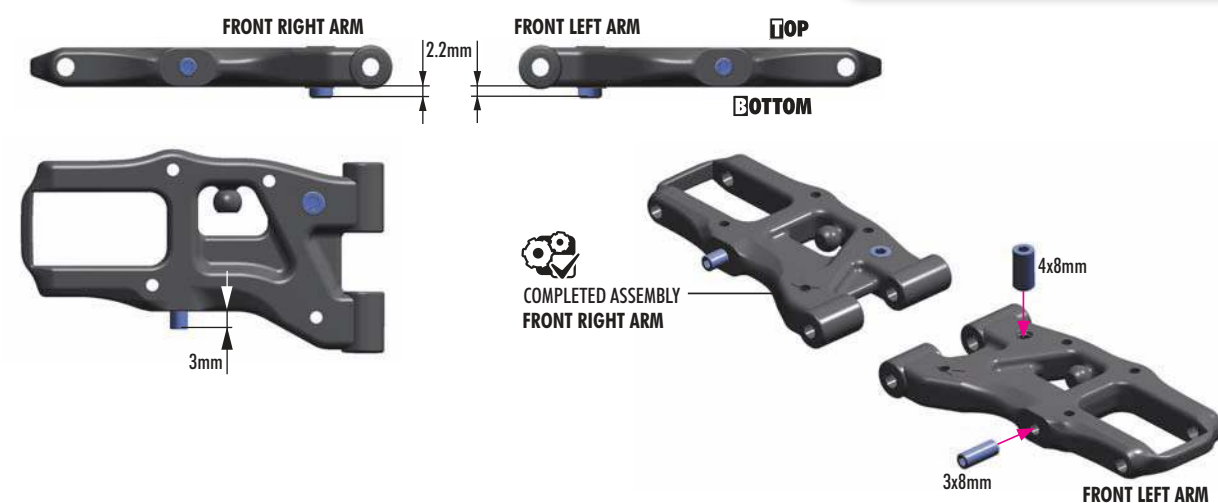
REAR ARMS - STANDARD			
OPTION	#303168	HARD	OPTION
	#303169	GRAPHITE	INCLUDED
REAR ARMS - ARS™			
	#303170	HARD	INCLUDED
	#303171	GRAPHITE	OPTION

2x ACTIVE REAR SUSPENSION™



FRONT ARMS			
OPTION	#302168	HARD	OPTION
	#302169	GRAPHITE	INCLUDED

2x FRONT ARMS



901310
SB M3x10



901408
SB M4x8



REAR DOWNSTOP
ADJUSTMENT



901408
SB M4x8

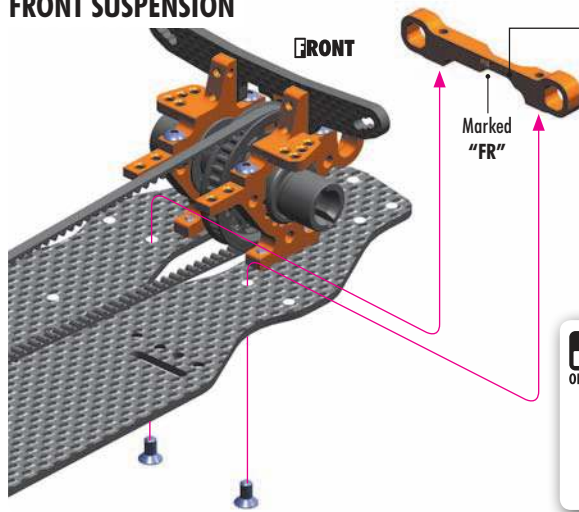


FRONT DOWNSTOP
ADJUSTMENT

3. FRONT & REAR SUSPENSION



FRONT SUSPENSION



NOTE ORIENTATION



#303710-0 ALU LOWER 2-PIECE SUSPENSION HOLDER

OPTION For more steering, we recommend using the optional alu separate suspension holders.



#302721 BRASS FRONT 1-PIECE SUSPENSION HOLDER (FR)



#302722-0 ALU FRONT 1-PIECE SUSPENSION HOLDER (FR-LOW)



IO

303129
SHIM 3x6x1



REAR SUSPENSION

#303714 BRASS 2-PIECE SUSPENSION HOLDER - RIGHT
#303715 BRASS 2-PIECE SUSPENSION HOLDER - LEFT



It is extremely important that the arms move freely on the pivot pins. If they do not, use the Arm Reamer (3.0mm) to slightly resize the holes in the arms.

#107633 HUDY Arm Reamer 3.0mm

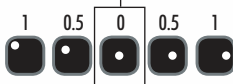
#303721 BRASS REAR 1-PIECE SUSPENSION HOLDER - (RR)



NOTE ORIENTATION



INITIAL SETTING



Composite eccentric bushings

ALTERNATIVE STANDARD REAR SUSPENSION (INITIAL SETTING)

ALTERNATIVE ACTIVE REAR SUSPENSION™

ECCENTRIC BUSHINGS HAVE TWO DIFFERENT OFFSETS FROM THE CENTER

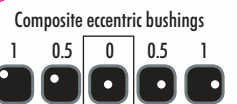
- Middle position = 0.5 mm or 0.5° from center
- Outer position = 1 mm or 1° from center

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

#307217 TITANIUM SUSPENSION PIVOT PIN (2)

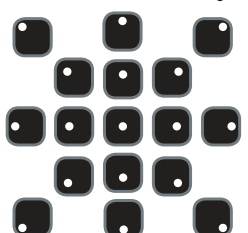


Marked "RR"



INITIAL SETTING

All possible mounting alternatives of eccentric bushings



TOE-IN
TRACK-WIDTH
WHEELBASE
ROLL CENTER
ANTI-SQUAT
PRO-SQUAT

3. FRONT & REAR SUSPENSION

10

303129
SHIM 3x6x1



903306
SFH M3x6

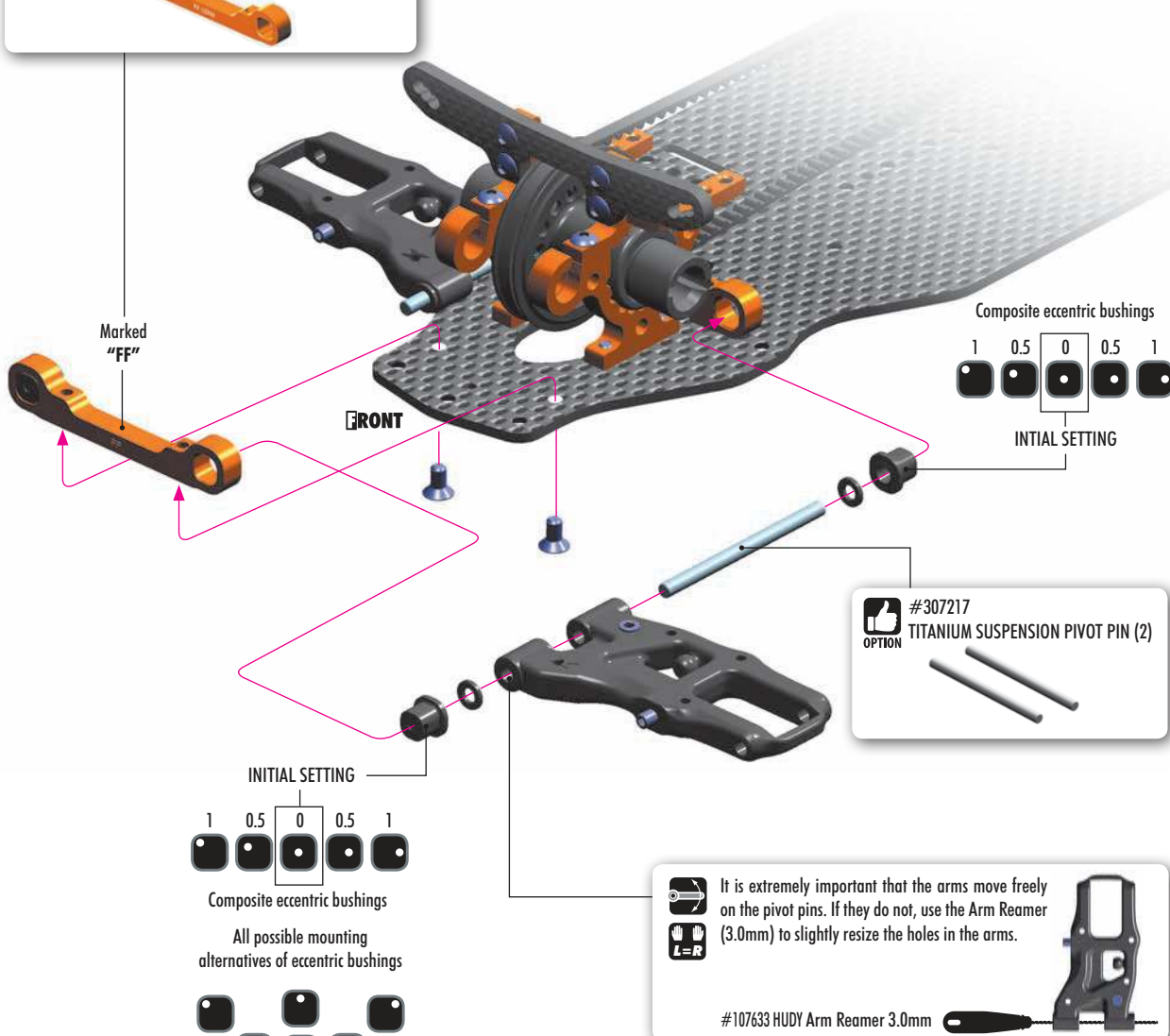
FRONT SUSPENSION



#302711
BRASS FRONT 1-PIECE SUSPENSION HOLDER - (FF)



#302712-0
ALU FRONT 1-PIECE SUSPENSION HOLDER (FF-LOW)



Marked
"FF"

FRONT

Composite eccentric bushings



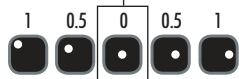
INITIAL SETTING



#307217
TITANIUM SUSPENSION PIVOT PIN (2)

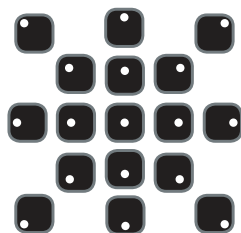


INITIAL SETTING



Composite eccentric bushings

All possible mounting
alternatives of eccentric bushings



eccentric bushings have two different offsets from the center.



Middle position = 0.5 mm or 0.5° from center

Outer position = 1mm or 1° from center

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

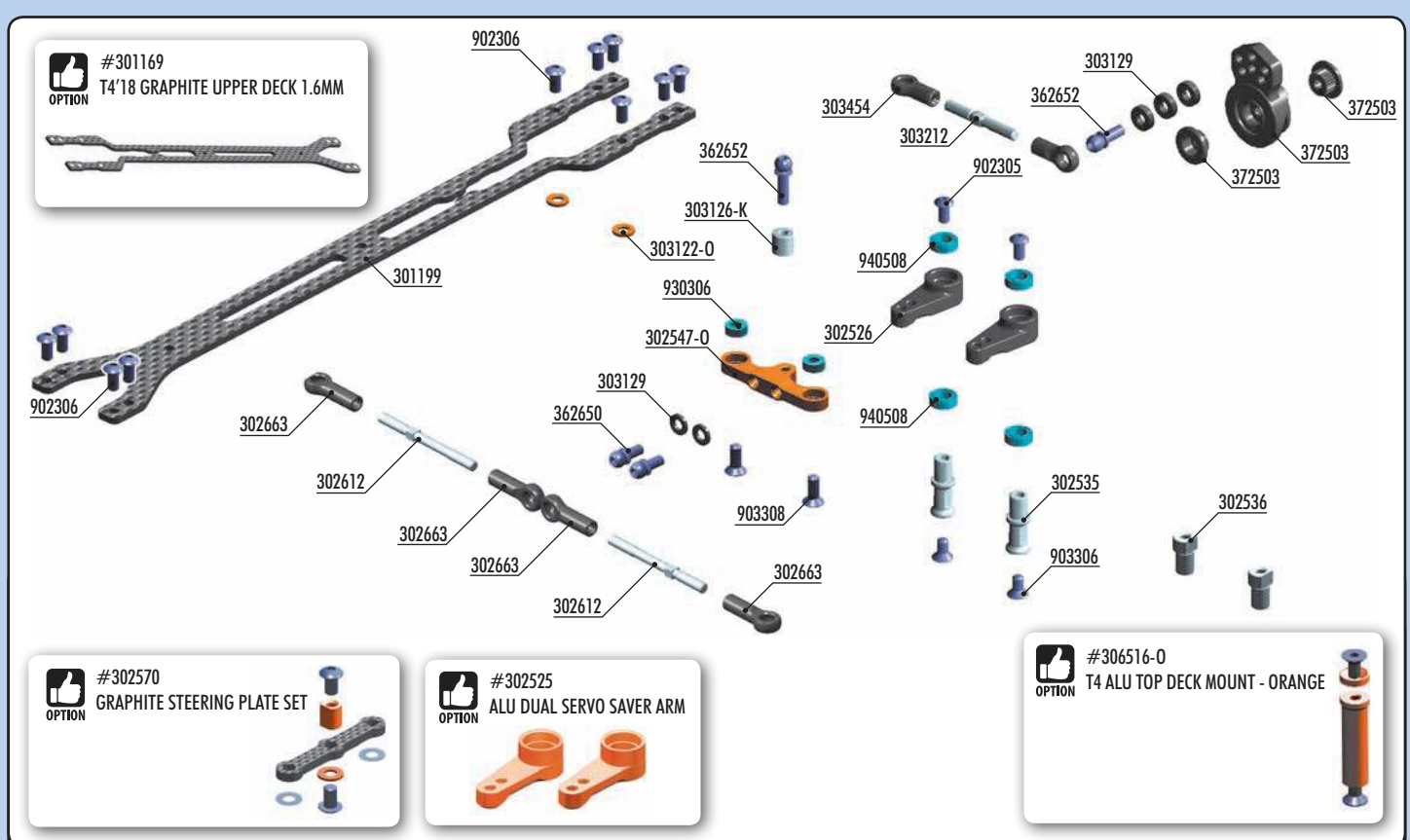


It is extremely important that the arms move freely on the pivot pins. If they do not, use the Arm Reamer (3.0mm) to slightly resize the holes in the arms.

#107633 HUDY Arm Reamer 3.0mm



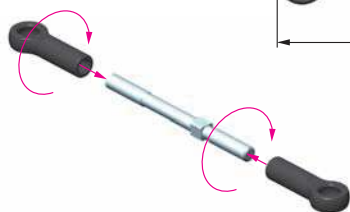
TOE-IN
TRACK-WIDTH
WHEELBASE
ROLL CENTER
ANTI-DIVE
KICK-UP

**BAG**

30 1199	T4'18 UPPER DECK 2.0MM GRAPHITE
30 2526	COMPOSITE DUAL SERVO SAVER ARM
30 2535	ALU STEERING POST FOR DUAL SERVO SAVER (2)
30 2536	ALU STEERING POST FOR FLOATING SERVO SAVER (2)
30 2547-0	T4'14 ALU STEERING PLATE 8.5MM FOR DUAL SERVO SAVER - ORANGE
30 2612	ALU ADJ. TURNBUCKLE M3 L/R 39 MM - SWISS 7075 T6 (2)
30 2663	COMPOSITE BALL JOINT 5 MM - OPEN - V2 (8)
30 3122-0	ALU SHIM 3x6x1.0MM - ORANGE (10)
30 3126-K	ALU SHIM 3x6x5.0MM - BLACK (10)
30 3129	COMPOSITE SET OF SHIMS (3x1MM; 1x2MM) (2)
30 3212	ALU ADJ. TURNBUCKET L/R 26 MM - SWISS 7075 T6 (2)

30 3454	BALL JOINT 4.9MM - OPEN (4)
36 2650	BALL END 4.9MM WITH THREAD 6MM (2)
36 2652	BALL END 4.9MM WITH THREAD 10MM (2)
37 2503	COMPOSITE SERVO SAVER - X-STIFF - SET - V2
90 2305	HEX SCREW SH M3x5 (10)
90 2306	HEX SCREW SH M3x6 (10)
90 3306	HEX SCREW SFH M3x6 (10)
90 3308	HEX SCREW SFH M3x8 (10)
93 0306	BALL-BEARING 3x6x2.5 (2)
94 0508	HIGH-SPEED BALL-BEARING 5x8x2.5 RUBBER SEALED (2)

2x
L=R

**LEFT** **RIGHT**

SERVO LINK
Adjust servo link to fit your servo



SET-UP BOOK

FRONT TOE-IN

10

303129
SHIM 3x6x1



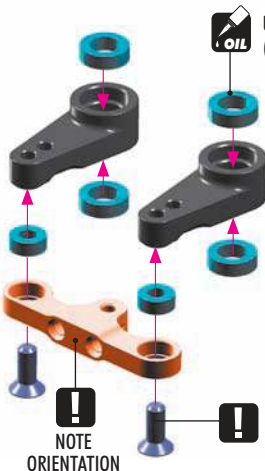
903308
SEH M3x8



930306



940508
BB 5x8x2.5



**Use bearing oil for all bearings
(HUDY #106230)**



#302525
ALU DUAL SERVO SAVER ARM

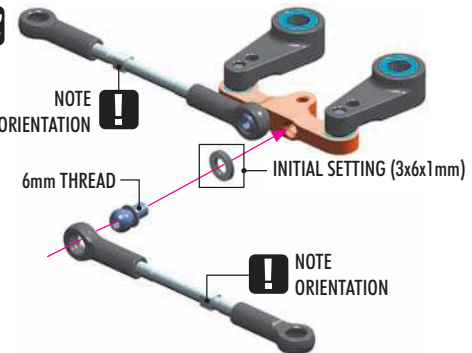


We recommend using the aluminum dual servo saver arms when better steering response is needed. Also recommended for asphalt tracks.



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

2x
L=R

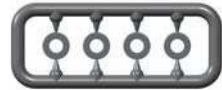


NOTE
ORIENTATION

INITIAL SETTING (3x6x1mm)

NOTE
ORIENTATION

TIP To change Ackermann angle, use 2 identical shims (of same thickness) between the alu steering plate and ball ends.



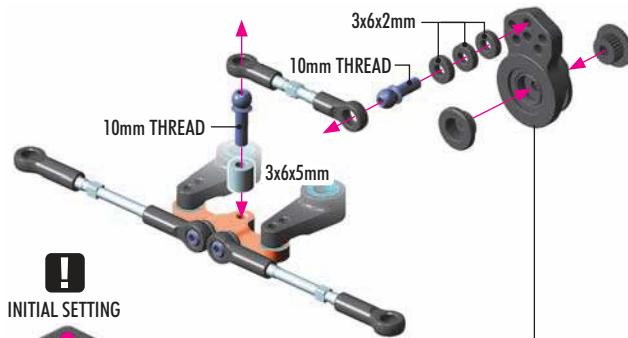
3x1mm & 1x2mm composite shims

IO

303129
SHIM 3x6x2

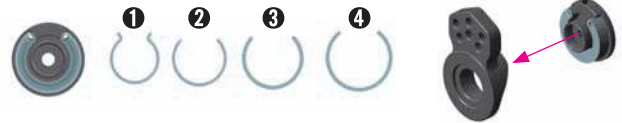
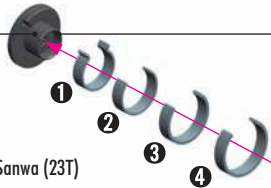


303126-K
SHIM 3x6x5



INITIAL SETTING

H = Hitec (24T)
F = Futaba, Robo (25T)
K = KO, JR, Airtronics, Sanwa (23T)



OPTION

HUDY ALU SERVO HORNS

#293491	KO, JR, Sanwa, Airtr. - OFFSET - 23T
#293492	Hitec - OFFSET - 24T
#293493	Futaba - OFFSET - 25T



#293501	KO, JR, Sanwa, Airtronics - 23T
#293502	Hitec - 24T
#293503	Futaba - 25T

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

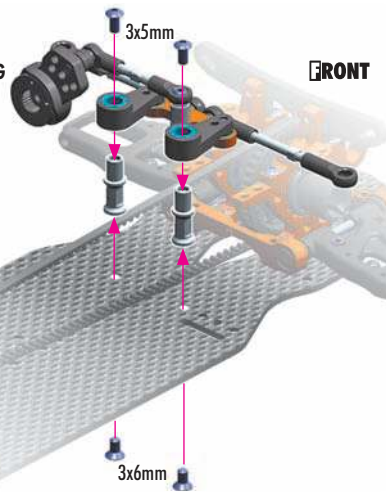
IMPORTANT!

When the aluminum horn is used, the steering servo saver is not used. This increases the risk of breaking the servo in serious crashes.

ALTERNATIVE 1

STANDARD STEERING ARM MOUNTING (INITIAL SETTING)

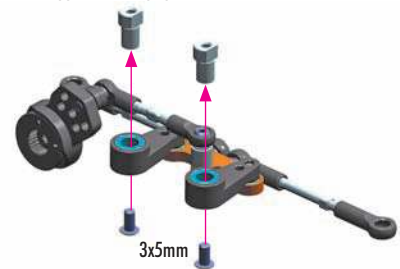
Standard steering mounting system provides maximum steering response and makes steering more precise.



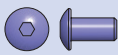
ALTERNATIVE 2

FLOATING STEERING ARM MOUNTING

Floating steering mounting system makes the car easier to drive over curbs and on bumpy tracks. Helps prevent oversteer.



NOTE: The floating steering arms are mounted on the graphite servo holder in the Final Assembly page 33/step 1.



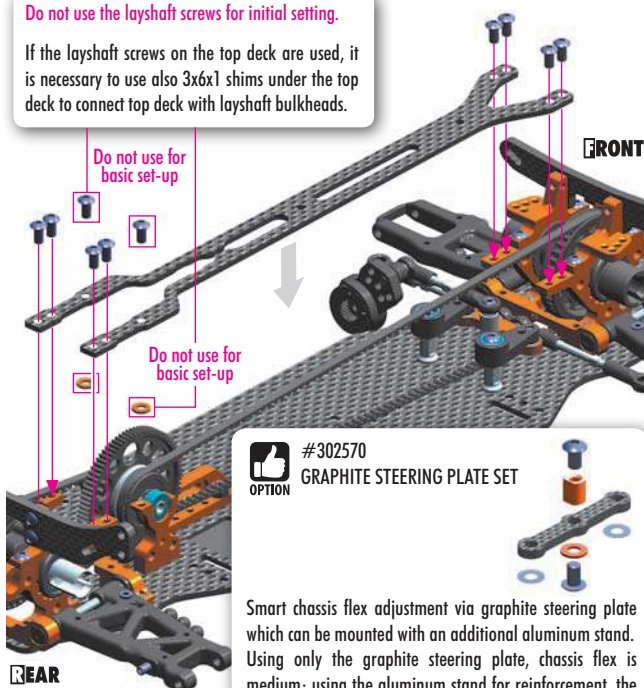
902306
SH M3x6



303122-0
SHIM 3x6x1

Do not use the layshaft screws for initial setting.

If the layshaft screws on the top deck are used, it is necessary to use also 3x6x1 shims under the top deck to connect top deck with layshaft bulkheads.



Do not use for basic set-up

Do not use for basic set-up



OPTION

#302570 GRAPHITE STEERING PLATE SET

Smart chassis flex adjustment via graphite steering plate which can be mounted with an additional aluminum stand. Using only the graphite steering plate, chassis flex is medium; using the aluminum stand for reinforcement, the flex becomes stiffer. Stiffer flex results in more aggressive handling and increased steering.



OPTION

#301169 T4'18 GRAPHITE UPPER DECK 1.6MM

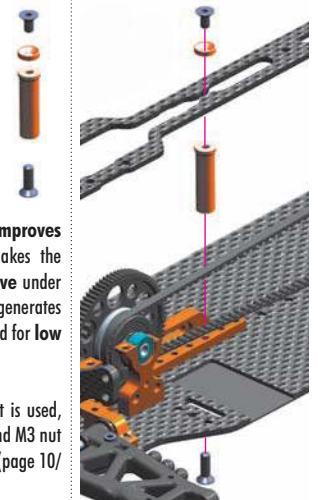


We recommend using optional 1.6mm top deck for super-low traction conditions as it provides more overall traction and steering.



OPTION

#306516-0 T4 ALU TOP DECK MOUNT - ORANGE



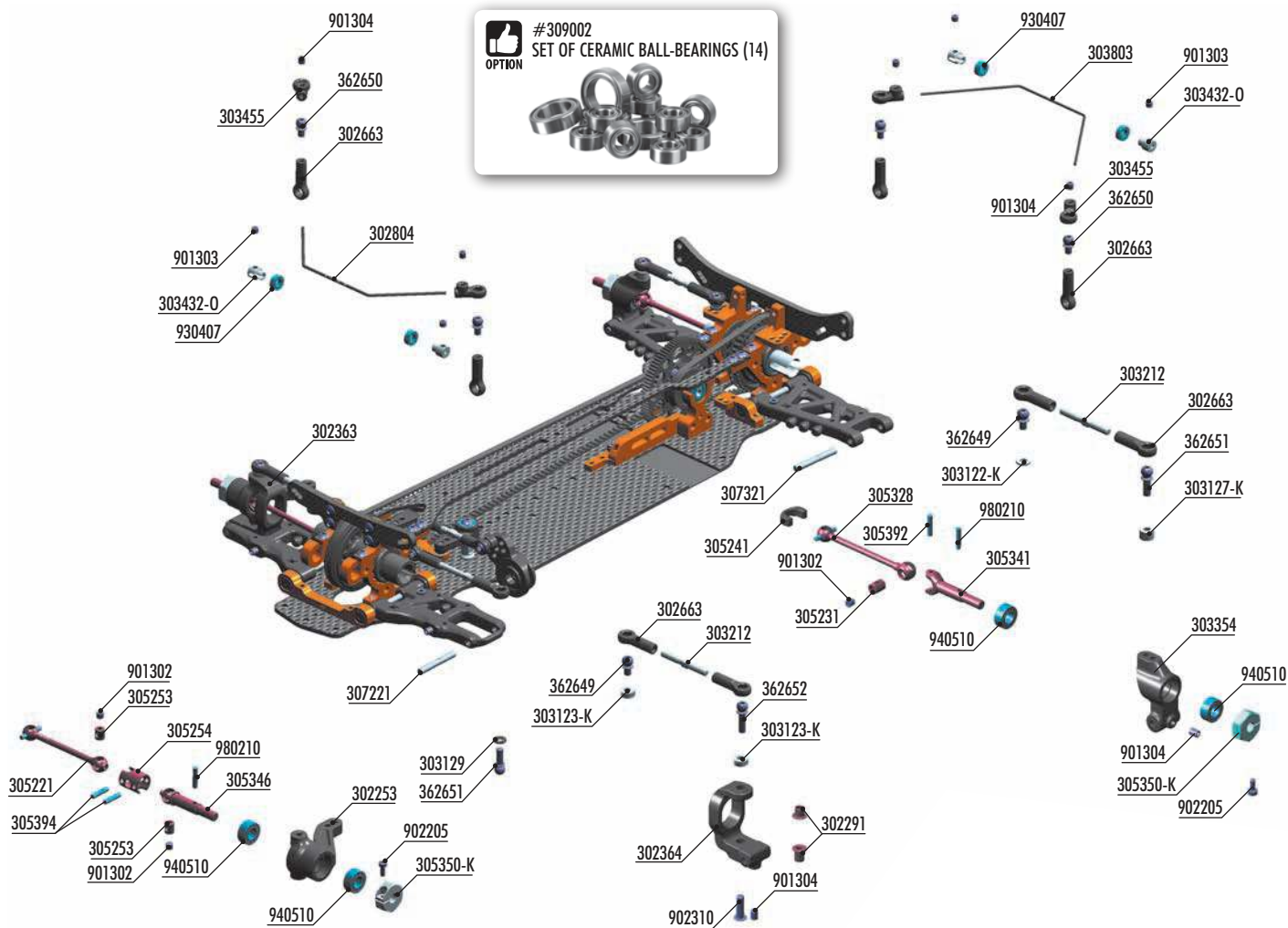
Optional alu top deck mount **improves** forward and rear **traction** and makes the car **more stable** and **easier to drive** under **low-traction conditions**, however generates **more on-power** push. Recommended for **low** and **medium** traction conditions.

When the aluminum top deck mount is used, the screws from layshaft bulkheads and M3 nut from motor holder must be removed (page 10/step 1).



CHASSIS FLEX SETTING
TOP DECK SETTING

5. FRONT & REAR TRANSMISSION



#307222 TITANIUM FRONT ARM PIVOT PIN (2)
#307322 TITANIUM REAR ARM PIVOT PIN (2)



#305242
DRIVE SHAFT REPLACEMENT CAP 3.5MM - ORANGE - STRONG (4)



FOR ALTERNATIVE SETTING

ACTIVE REAR SUSPENSION™



BAG

05

30 2253 COMPOSITE STEERING BLOCK - HARD
30 2291 STEEL STEERING BUSHING (2 + 2)
30 2363 COMPOSITE C-HUB RIGHT - 4° DEG. - MEDIUM - V2
30 2364 COMPOSITE C-HUB LEFT - 4° DEG. - MEDIUM - V2
30 2369 COMPOSITE C-HUB RIGHT - 0° DEG. - HARD
30 2370 COMPOSITE C-HUB LEFT - 0° DEG. - HARD
30 2663 COMPOSITE BALL JOINT 4.9MM - OPEN - V2 (8)
30 2804 ANTI-ROLL BAR FOR BALL BEARINGS - FRONT 1.4 MM
30 3122-K ALU SHIM 3x6x1.0MM - BLACK (10)
30 3123-K ALU SHIM 3x6x2.0MM - BLACK (10)
30 3127-K ALU SHIM 3x6x4.0MM - BLACK (10)
30 3129 COMPOSITE SET OF SHIMS (3x1MM; 1x2MM) (2)
30 3210 TURNBUCKLE M3 L/R 26 MM - HUDY SPRING STEEL™ (2) (OPTION)
30 3212 ALU ADJ. TURNBUCKLE M3 L/R 26 MM - SWISS 7075 T6 (2)
30 3212-0 ALU ADJ. TURNBUCKLE L/R 26 MM - ORANGE - SWISS 7075 T6 (2) (OPTION)
30 3354 COMPOSITE UPRIGHT 0° OUTBOARD TOE-IN - HARD
30 3432-0 ALU ANTI-ROLL BAR BUSHING - ORANGE (2)
30 3455 COMPOSITE ANTI-ROLL BAR BALL JOINT 4.9 MM (4)
30 3803 ANTI-ROLL BAR FOR BALL BEARINGS - REAR 1.3 MM
30 5231 DRIVE SHAFT COUPLING - HUDY SPRING STEEL™
30 5241 DRIVE SHAFT REPLACEMENT CAP 3.5 MM (4)
30 5221 ECS (ES) DRIVE SHAFT 51MM FOR 2MM PIN - HUDY SPRING STEEL™ (1)
30 5253 ECS DRIVE SHAFT COUPLING FOR 2MM PIN - HUDY SPRING STEEL™
30 5254 ECS (ES) DRIVE SHAFT CASE FOR 2MM PIN - HUDY SPRING STEEL™

30 5328 ALU DRIVE SHAFT SWISS 7075 T6 - HARDCOATED - 50MM
30 5332 ECS ES (ES) DRIVE SHAFT 52MM - HUDY SPRING STEEL™ - SET (OPTION)
30 5333 ECS ES (ES) DRIVE SHAFT 50MM - HUDY SPRING STEEL™ - SET (OPTION)
30 5334 ECS ES (ES) DRIVE SHAFT 51MM - HUDY SPRING STEEL™ - SET
30 5346 ECS DRIVE AXLE FOR 2MM PIN - HUDY SPRING STEEL™
30 5394 ECS DRIVE SHAFT PIN 2 x 9 WITH FLAT SPOT (2)
30 5341 DRIVE AXLE - LIGHTWEIGHT - HUDY SPRING STEEL™
30 5350-K ALU WHEEL HUB - BLACK (2)
30 5392 DRIVE SHAFT PIN 2 x 10 WITH FLAT SPOT (2)
30 7221 FRONT ARM PIVOT PIN (2)
30 7321 REAR ARM PIVOT PIN (2)
36 2649 BALL END 4.9MM WITH THREAD 5MM (2)
36 2650 BALL END 4.9MM WITH THREAD 6MM (2)
36 2651 BALL END 4.9MM WITH THREAD 8MM (2)
36 2652 BALL END 4.9MM WITH THREAD 10MM (2)

90 1302 HEX SCREW SB M3x2.5 (10)
90 1303 HEX SCREW SB M3x3 (10)
90 1304 HEX SCREW SB M3x4 (10)
90 2205 HEX SCREW SH M2x5 (10)
90 2310 HEX SCREW SH M3x10 (10)
93 0407 BALL-BEARING 4x7x2.5 (2)
94 0510 HIGH-SPEED BALL-BEARING 5x10x4 RUBBER SEALED (2)
98 0210 PIN 2x10 (10)

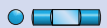
5. FRONT & REAR TRANSMISSION



901302
SB M3x2.5

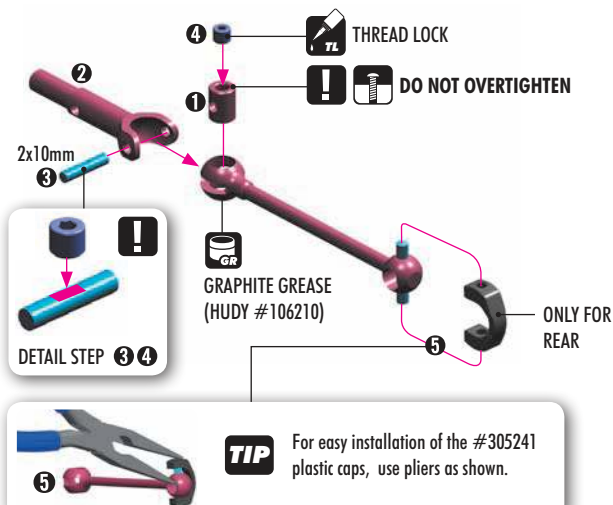


305392
P 2x10

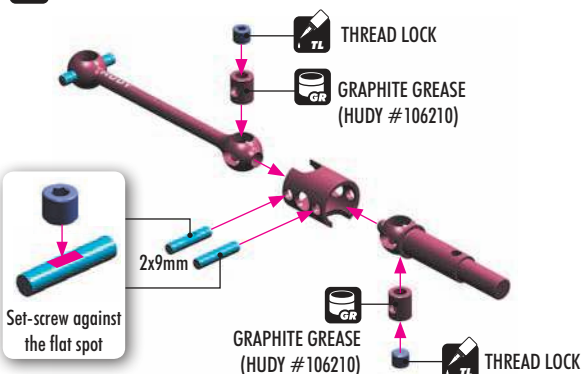


305394
P 2x9

2x REAR TRANSMISSION



2x FRONT TRANSMISSION



ECS DRIVE SHAFTS

ECS drive shafts are available in 51mm length in kit, or optional 50mm & 52mm lengths. The ECS drive shafts were developed to decrease front wheel vibration when racing with a solid front axle, thus providing a much smoother and quieter ride and increased steering.



#305242
DRIVE SHAFT REPLACEMENT CAP
3.5MM ORANGE - STRONG (4)



Longer drive shafts (52mm) make the car easier to drive because they give more traction and better stability, mainly in chicanes. However, the car will understeer more than with shorter (50mm) shafts which give a lot of steering and make the car more aggressive. Both left & right shafts should ALWAYS be the same length at one end of the car (front or rear).

52mm shafts are recommended for **carpet high-traction tracks**.
51mm shafts are recommended for **carpet tracks and large asphalt tracks**.
50mm shafts are recommended for **low-traction or tight asphalt tracks**.

The new 51mm drive shafts which are included in the kit are the best compromise between 50 and 52mm length.



DRIVE SHAFTS

#305323	50MM - STEEL	
#305324	52MM - STEEL	
#305326	52MM - ALU	
#305328	50MM - ALU	
#305332	52MM - ECS	
#305333	50MM - ECS	
#305334	51MM - ECS	



902205
SH M2x5



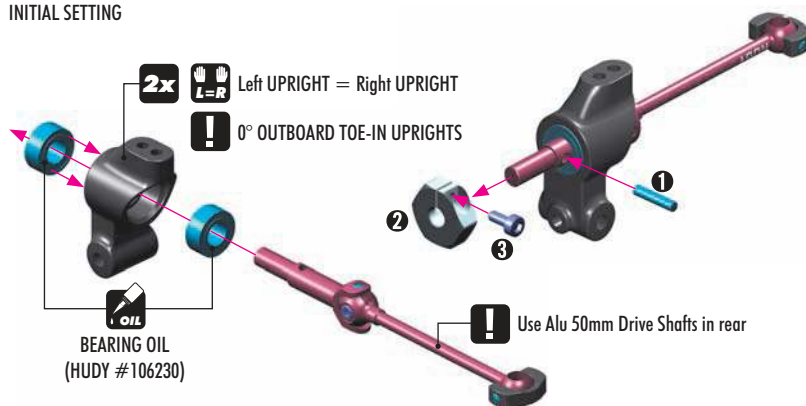
940510
BB 5x10x4



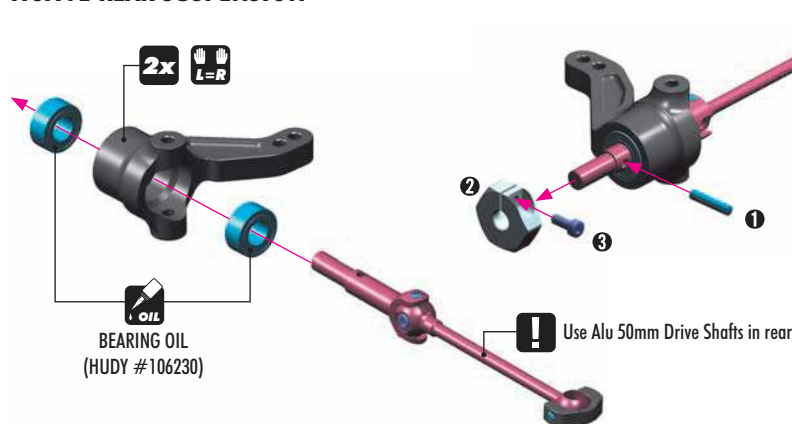
980210
P 2x10

REAR TRANSMISSION

ALTERNATIVE STANDARD REAR SUSPENSION INITIAL SETTING



ALTERNATIVE ACTIVE REAR SUSPENSION™



T4 OPTIONAL PARTS

	UPRIGHTS
#303351	1° - R MEDIUM (2-HOLE)
#303352	0° - R/L MEDIUM (2-HOLE)
#303353	1° - R HARD (2-HOLE)
INCLUDED #303354	0° - R/L HARD (2-HOLE)
#303360	0° - R/L GRAPHITE (2-HOLE)
#303361	1° - L MEDIUM (2-HOLE)
#303362	0° - R/L MEDIUM (1-HOLE)
#303363	1° - L HARD (2-HOLE)
#303364	0° - R/L HARD (1-HOLE)
#303358	ALU 1° - R/L (4-HOLE)
#303359	ALU 2° - R/L (4-HOLE)

	WHEEL HUBS
INCLUDED #305350-K	ALU - OFFSET (0 mm)
#305351	ALU - OFFSET (-0.75 mm)
#305352	ALU - OFFSET (+0.75 mm)
#305353	ALU - OFFSET (+1.5 mm)

	STEERING BLOCKS
#302252	MEDIUM
INCLUDED #302253	HARD
#302254	GRAPHITE
#302256	ALU

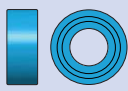


REAR TOE-IN
TRACK-WIDTH

5. FRONT & REAR TRANSMISSION



902205
SH M2x5



940510
BB 5x10x4

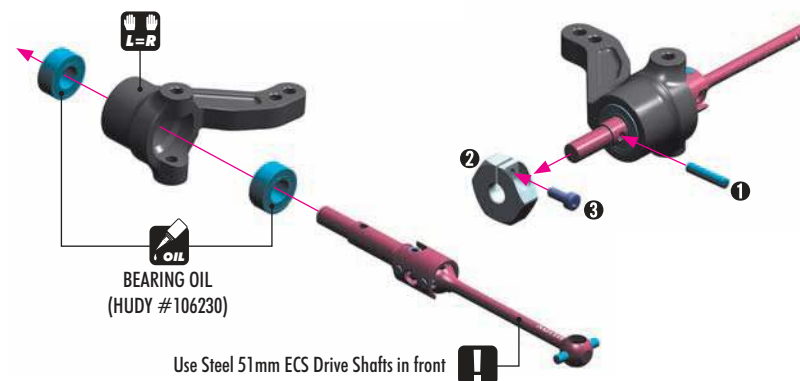


980210
P 2x10



REAR TOE-IN
TRACK-WIDTH

2x FRONT TRANSMISSION



T4 OPTIONAL PARTS

WHEEL HUBS		
INCLUDED		
#305350-K	ALU - OFFSET 0 MM	
#305351	ALU - OFFSET -0.75 MM	
#305352	ALU - OFFSET +0.75 MM	
#305353	ALU - OFFSET +1.5 MM	

STEERING BLOCKS		
INCLUDED		
#302252	MEDIUM	
#302253	HARD	
#302254	GRAPHITE	
#302256	ALU	

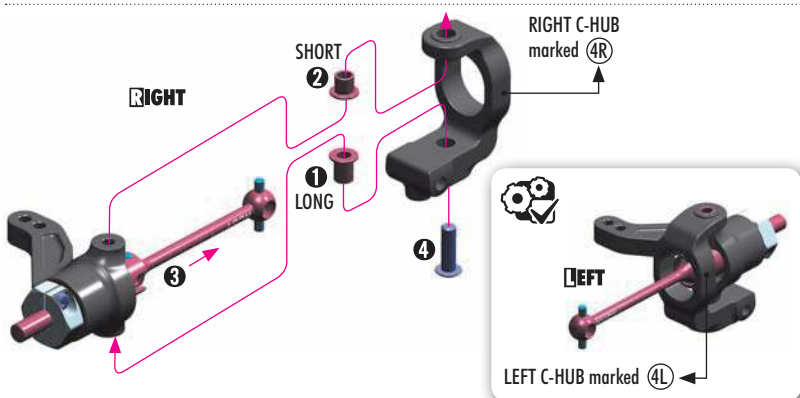


902310
SH M3x10

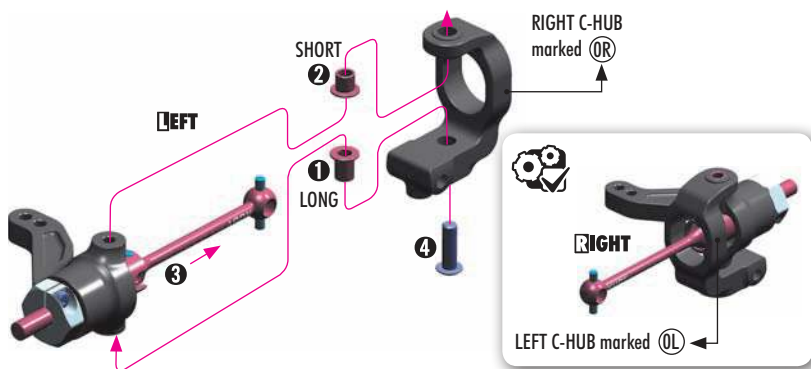


CASTER ADJUSTMENT

2x FRONT TRANSMISSION

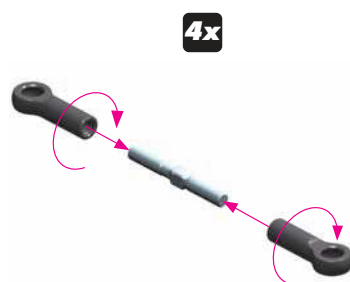


2x ACTIVE REAR SUSPENSION™



C-HUBS FRONT TRANSMISSION		
#302334	ALU 0° - R + L	
#302335	ALU 2° - RIGHT	
#302336	ALU 2° - LEFT	
#302337	ALU 4° - RIGHT	
#302338	ALU 4° - LEFT	
#302339	ALU 6° - RIGHT	
#302340	ALU 6° - LEFT	
#302361	2° - RIGHT - MEDIUM	
#302362	2° - LEFT - MEDIUM	
#302363	4° - RIGHT - MEDIUM	
#302364	4° - LEFT - MEDIUM	
#302365	6° - RIGHT - MEDIUM	
#302366	6° - LEFT - MEDIUM	
#302371	2° - RIGHT - HARD	
#302372	2° - LEFT - HARD	
#302373	4° - RIGHT - HARD	
#302374	4° - LEFT - HARD	
#302375	6° - RIGHT - HARD	
#302376	6° - LEFT - HARD	
#302383	4° - RIGHT - GRAPHITE	
#302384	4° - LEFT - GRAPHITE	

C-HUBS ACTIVE REAR TRANSMISSION		
#302334	ALU 0°	
#302359	0° - RIGHT - MEDIUM	
#302360	0° - LEFT - MEDIUM	
#302369	0° - RIGHT - HARD	
#302370	0° - LEFT - HARD	
#302379	0° - RIGHT - GRAPHITE	
#302380	0° - LEFT - GRAPHITE	



FRONT

2x FRONT LEFT = FRONT RIGHT



REAR

2x REAR LEFT = REAR RIGHT

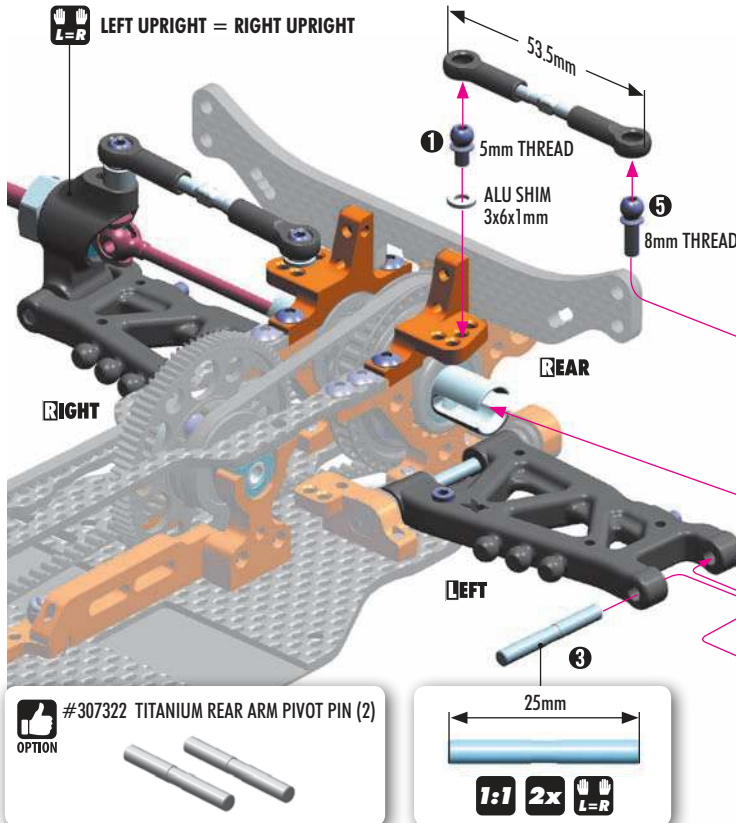


CAMBER ADJUSTMENT

5. FRONT & REAR TRANSMISSION

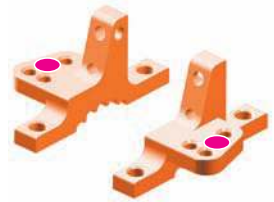
REAR TRANSMISSION

ALTERNATIVE STANDARD REAR SUSPENSION INITIAL SETTING



L=R 2x

INITIAL SETTING



OPTION

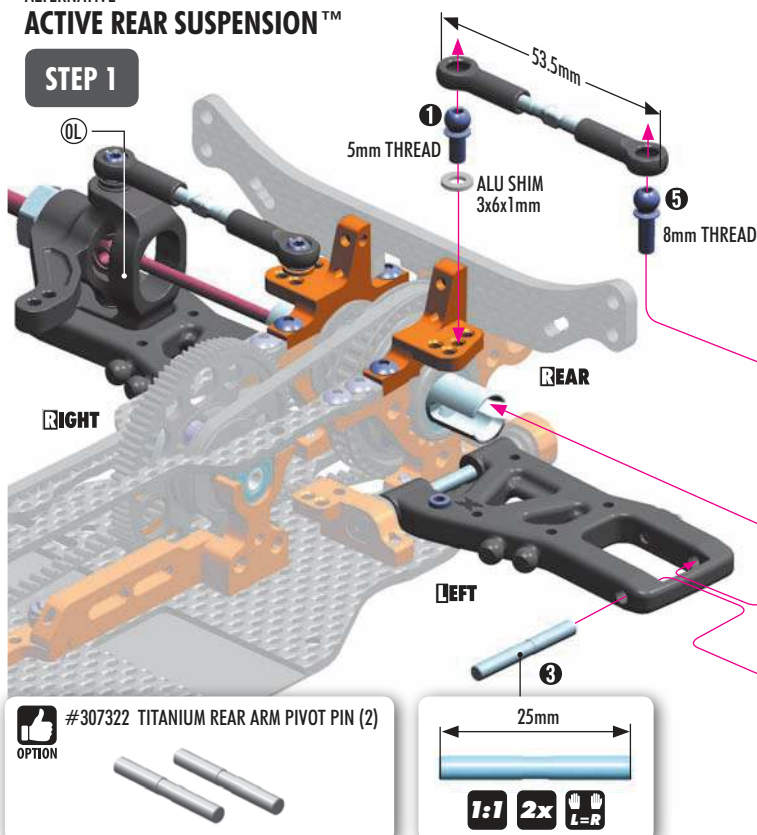
1-HOLE REAR UPRIGHTS (See page 19)

An optional 1-hole rear upright is available for fine tuning. This optional upright may be used on high-traction tracks or tracks with long sweepers, since the position of the center hole will allow faster driving through those corners because of better cornering speed.



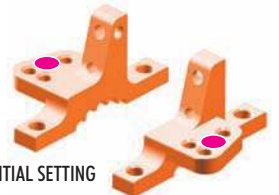
ALTERNATIVE ACTIVE REAR SUSPENSION™

STEP 1



L=R 2x

INITIAL SETTING



OR

COMPOSITE SHIM 3x6x1mm

TIGHTEN GENTLY



303122-K
SHIM 3x6x1

303129
SHIM 3x6x1

901304
SB M3x4

SET-UP BOOK
ROLL CENTER
CAMBER

5. FRONT & REAR TRANSMISSION

10

303129
SHIM 3x6x1



903306
SFH M3x6

2x L=R REAR TRANSMISSION

ALTERNATIVE ACTIVE REAR SUSPENSION™

STEP 2

INITIAL SETTING



! IMPORTANT
ALWAYS USE ONLY THIS POSITION

! ARS LINKAGE



The angle of the ARS linkage – which is made by adding/removing shims on the steering block and ARS post mount – changes the toe-in characteristics of the rear tires under rolling effect; when the car is pressed the toe-in can either increase or decrease.

Check the toe-in change on your set-up system when the car is in neutral position and when is pressed down. For more information see the HUDY Set-up Book.

5mm THREAD
COMPOSITE SHIM 3x6x1mm
Do not use for basic set-up

COMPOSITE SHIM 3x6x1mm
Do not use for basic set-up

6mm THREAD

57mm

RIGHT

REAR

LEFT



2x

L=R

REAR LEFT = REAR RIGHT

57mm

SET-UP BOOK

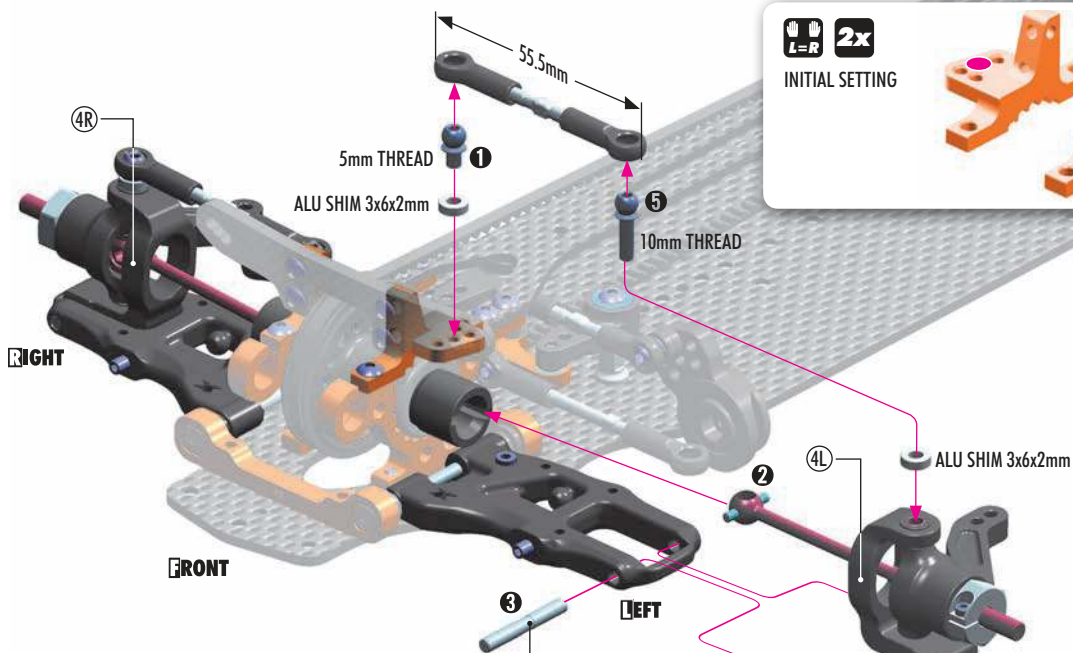
ACTIVE TOE-IN

303123-K
SHIM 3x6x2



901304
SB M3x4

2x L=R FRONT TRANSMISSION



INITIAL SETTING

#307222 TITANIUM FRONT ARM PIVOT PIN (2)
OPTION

23mm

! TIGHTEN GENTLY

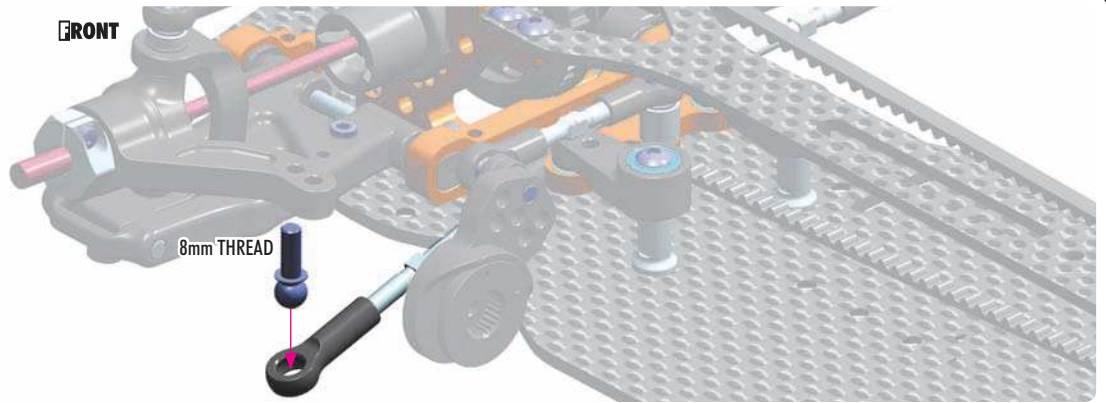
SET-UP BOOK

ROLL-CENTER

5. FRONT & REAR TRANSMISSION

2x
L=R

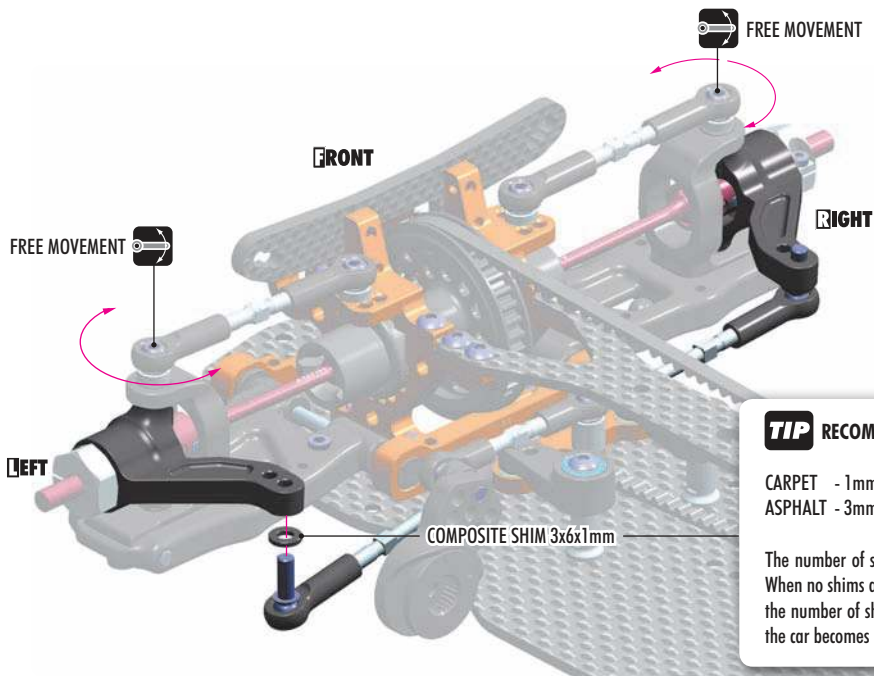
FRONT



10
303129
SHIM 3x6x1

L=R

FRONT TRANSMISSION



INITIAL SETTING



TIP RECOMMENDED BUMPSTEER SETTINGS:

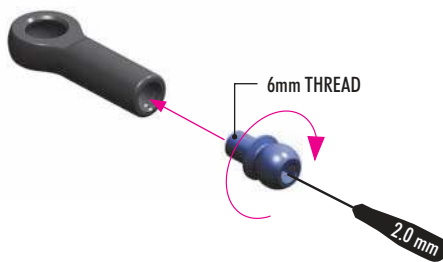
CARPET - 1mm thick shim
ASPHALT - 3mm thick shims

The number of shims changes the angles of the steering linkage. When no shims are used, the car is easy to drive into the corner. As the number of shims is increased, in-corner steering increases but the car becomes more difficult to drive.

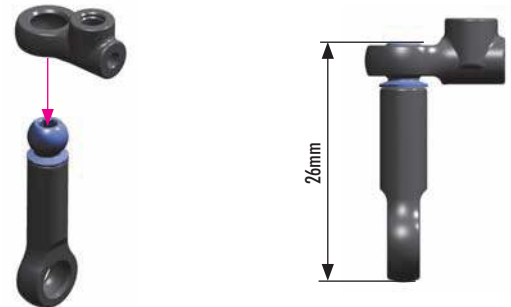


ACKERMANN
BUMPSTEER

4x



4x



2x



OPTION

REAR ANTI-ROLL BARS

#303801	REAR 1.1 MM
#303802	REAR 1.2 MM
#303803	REAR 1.3 MM
#303804	REAR 1.4 MM
#303805	REAR 1.5 MM
#303806	REAR 1.6 MM

INCLUDED

OPTION

FRONT ANTI-ROLL BARS

#302802	FRONT 1.2 MM
#302803	FRONT 1.3 MM
#302804	FRONT 1.4 MM
#302805	FRONT 1.5 MM
#302806	FRONT 1.6 MM

INCLUDED

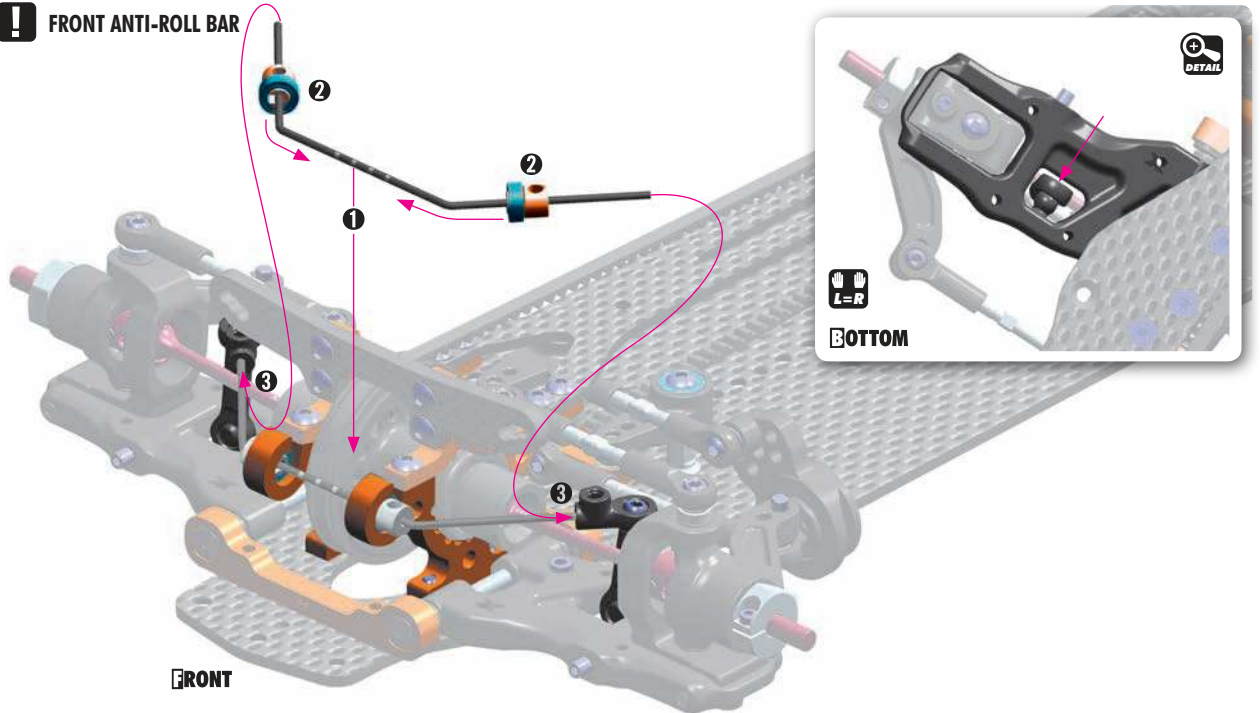
BEARING OIL
(HUDY #106230)



930407
BB 4x7x2.5

5. FRONT & REAR TRANSMISSION

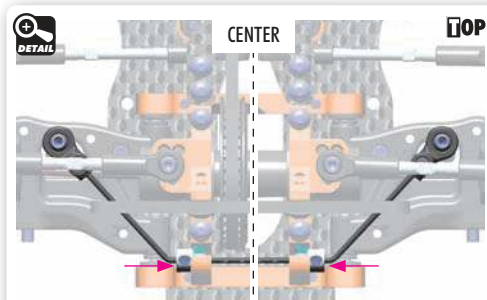
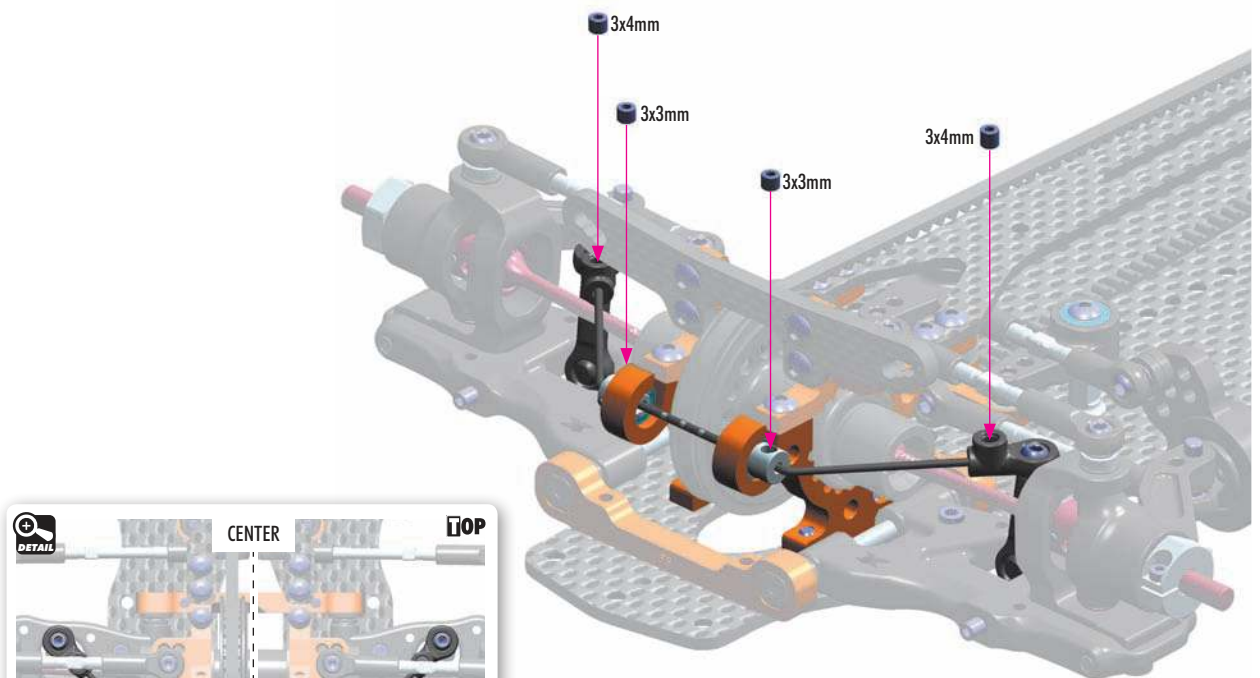
! FRONT ANTI-ROLL BAR



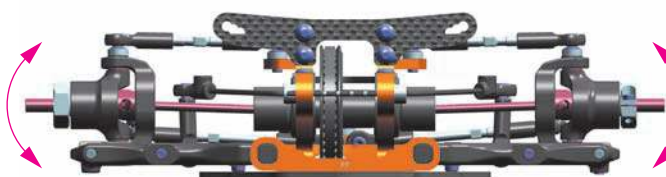
! FRONT ANTI-ROLL BAR

901303
SB M3x3

901304
SB M3x4



Set the bar into the center, remove the play in the bushings, and tighten the setscrews fully.



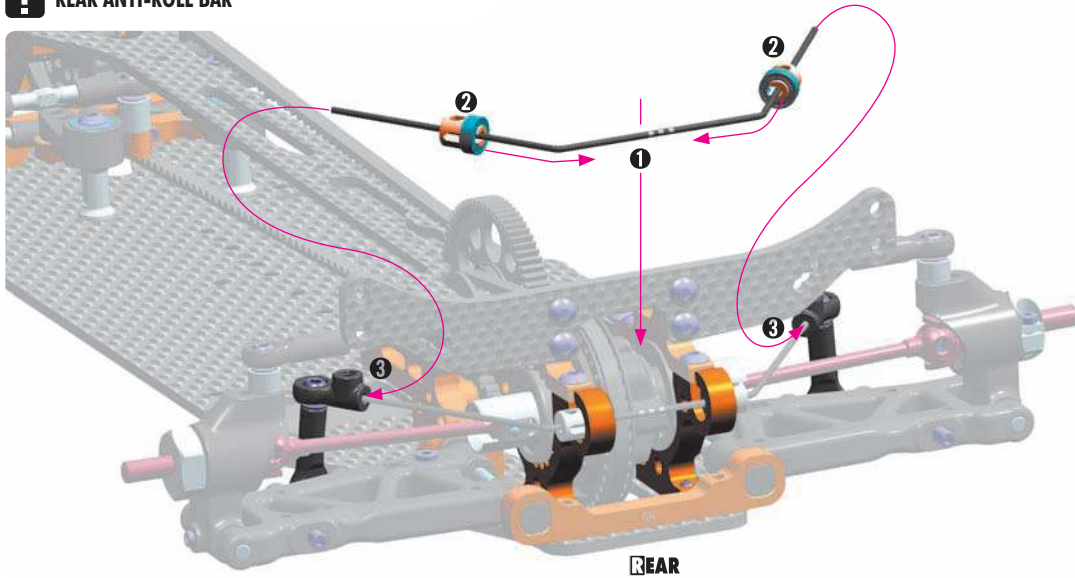
When the bars are set, verify that both sides move at the same time. If they do, the bars are set up correctly. If not, make sure that both downstops are the same and that the bar wire is flat.



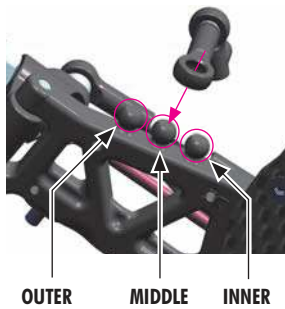
If the sides still does not move at the same time, adjust the length of the bar holders.

5. FRONT & REAR TRANSMISSION

! REAR ANTI-ROLL BAR



2x INITIAL POSITION



STANDARD SUSPENSION

INITIAL SETTING = MIDDLE BALL

Use the **INNER** ball on low-traction tracks (mainly low-traction carpet tracks). The car will have more traction & more steering, but will be more difficult to drive because the car will roll more.

Use the **MIDDLE** ball on low- to medium-traction tracks (asphalt, carpet). The car will have a little less rear traction and the car will roll a little less which will make it easier to drive with more cornering speed.

Use the **OUTER** ball on high-traction tracks (mainly high-traction asphalt tracks). The car will roll even less which will allow the use of more throttle in the corners, however the car will have less traction.

ACTIVE REAR SUSPENSION™

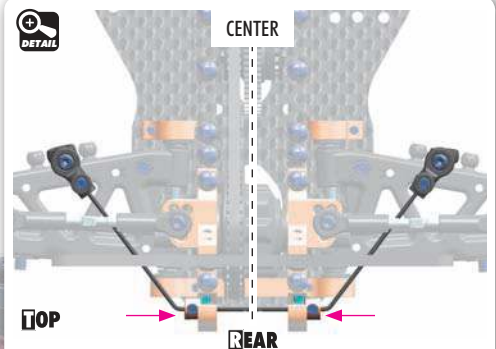
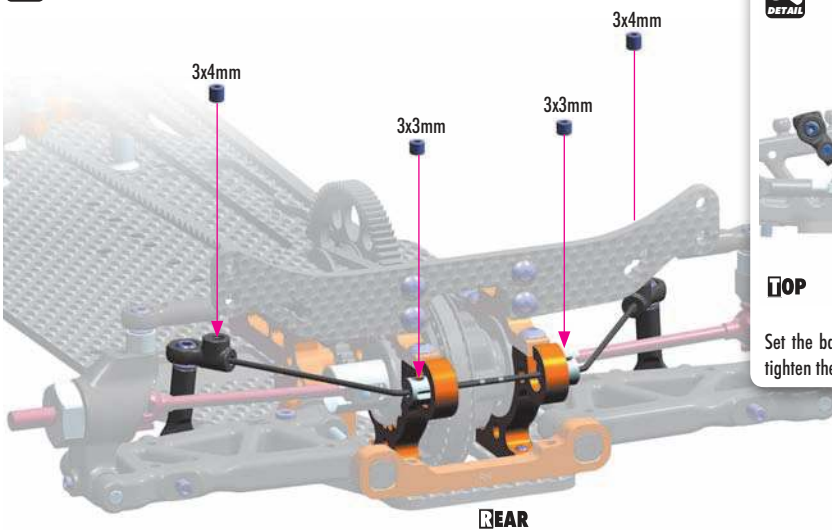
ARS arm has only two balls which are identical as inner & middle balls on the standard rear arm.



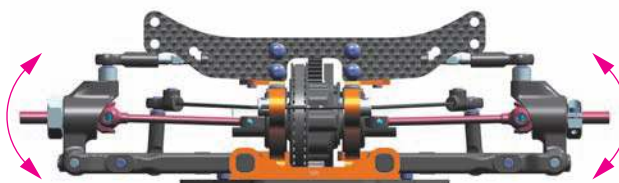
901303
SB M3x3

901304
SB M3x4

! REAR ANTI-ROLL BAR



Set the bar into the center, remove the play in the bushings, and tighten the setscrews fully.

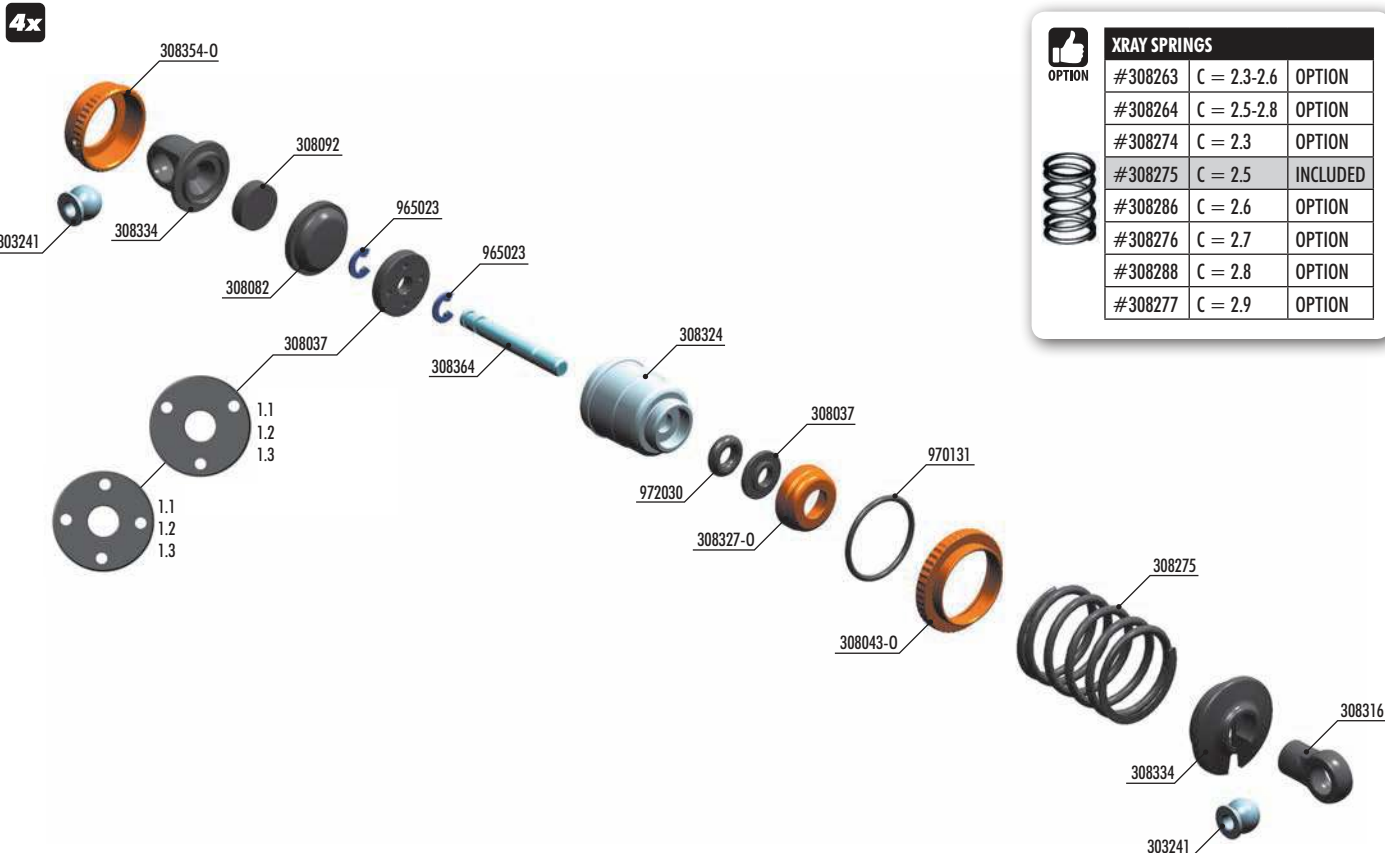


When the bars are set, verify that both sides move at the same time. If they do, the bars are set correctly. If not, make sure that both downstops are the same and that the bar wire is flat.



If the sides still do not move at the same time, adjust the length of the bar holders.

6. SHOCK ABSORBERS



OPTION

XRAY SPRINGS

#308263	C = 2.3-2.6	OPTION
#308264	C = 2.5-2.8	OPTION
#308274	C = 2.3	OPTION
#308275	C = 2.5	INCLUDED
#308286	C = 2.6	OPTION
#308276	C = 2.7	OPTION
#308288	C = 2.8	OPTION
#308277	C = 2.9	OPTION



OPTION

#308029

ULP ALU PROGRESSIVE SHOCK SYSTEM - SET (2)

Progressive shock system for touring cars for improved traction and steering characteristics. Shock insert with 3 triangular cutouts used with piston WITHOUT holes. The hardness of the shock is influenced not by the holes in the piston, but rather by the insert.



OPTION

#308031-0

ALU XRAY SHOCK SPRING RETAINING COLLAR - ORANGE (4)



BAG

06

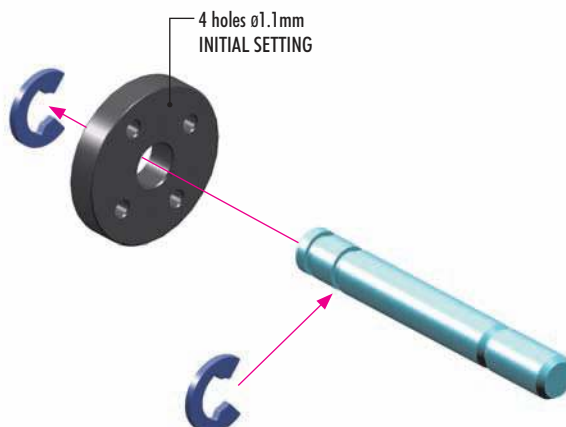
- 30 3241 BALL UNIVERSAL 5.8 MM HEX (4)
- 30 8037 COMPOSITE PISTONS 4-HOLE 1.0-1.2MM, 3-HOLE 1.0-1.2MM
- 30 8043-0 ULP ALU SHOCK ADJUSTABLE NUT - ORANGE (2)
- 30 8082 T4 SHOCK ABSORBER MEMBRANE (4)
- 30 8092 T4 SHOCK FOAM INSERTS (4)
- 30 8308-0 ULP ALU SHOCK ABSORBER-SET - ORANGE (2)
- 30 8316 SHOCK BALL JOINT - OPEN (4)
- 30 8324 ULP ALU SHOCK BODY (2)
- 30 8327-0 ALU CAP FOR XRAY SHOCK BODY - ORANGE

- 30 8334 ULP COMPOSITE SHOCK PARTS
- 30 8354-0 ULP ALU SHOCK CAP-NUT WITH VENT HOLE - ORANGE (2)
- 30 8364 T4 HARDENED SHOCK SHAFT FOR ALU SHOCKS (2)
- 30 8275 XRAY SPRING-SET C=2.5
- 96 5023 E-CLIP 2.3 (10)
- 97 0131 O-RING 13 x 1.0 (10)
- 97 2030 SILICONE O-RING 3 x 2 (10)



965023
C 2.3

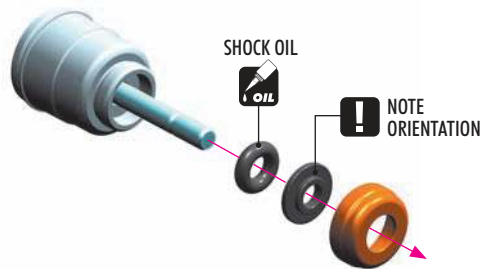
4x



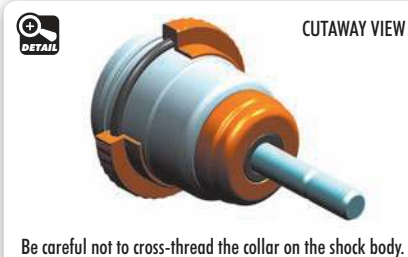
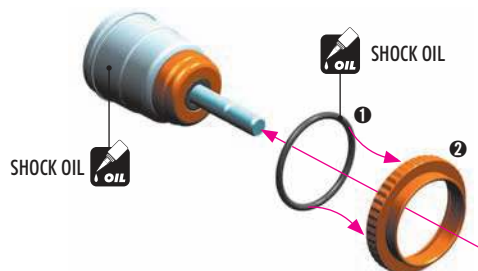
6. SHOCK ABSORBERS



4x

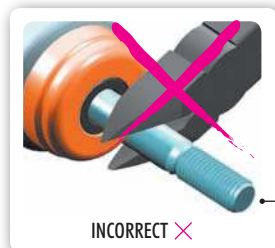


4x

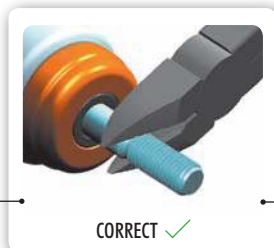


Be careful not to cross-thread the collar on the shock body.

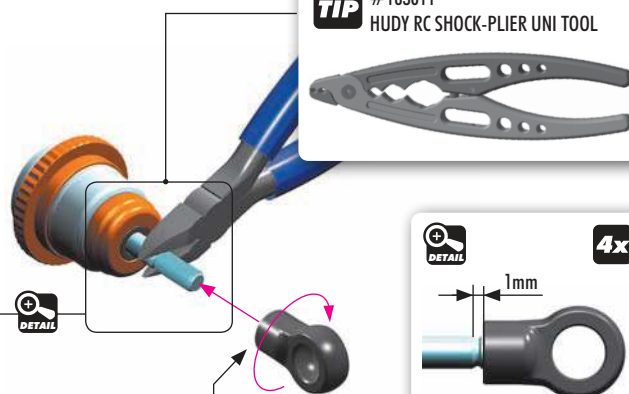
4x



INCORRECT ✗



CORRECT ✓



TIP #183011
HUDY RC SHOCK-PLIER UNI TOOL



INITIAL SETTING

HINT: Pre-thread the ball joint using an M3 screw.
WARNING! Be careful not to pre-thread too far, since the ball joint may split or the plastic threads may strip out.

4x



OIL 400cSt

SHOCK FILLING

- 1 Fully extend the piston rod so the piston is at the bottom of the shock body.
- 2 Hold the shock upright and slightly overfill the shock body with shock oil.
- 3 Let the oil settle and allow air bubbles to rise to the top. Slowly move the piston up and down to allow oil into all cavities within the shock body.
- 4 Extend the piston rod most of the way out of the shock body. Let the shock rest for 5 minutes to allow the air bubbles to escape.
- 5 Add shock oil as necessary.



50ml

INCLUDED

HUDY SHOCK OILS (50ml)			
OPTION			
#106310	100cSt	#106355	550cSt
#106315	150cSt	#106360	600cSt
#106320	200cSt	#106365	650cSt
#106325	250cSt	#106370	700cSt
#106330	300cSt	#106375	750cSt
#106335	350cSt	#106380	800cSt
#106340	400cSt	#106390	900cSt
#106345	450cSt	#106410	1000cSt
#106350	500cSt	#106420	2000cSt

4x



Foam insert

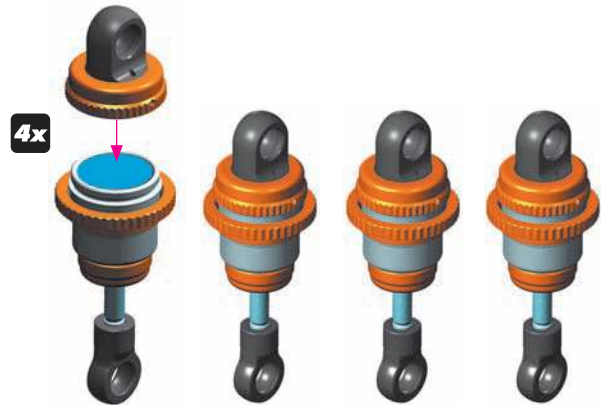


After you insert the membrane, ensure that it is fully seated inside the alu cap.

6. SHOCK ABSORBERS



- ❶ When installing the shock cap assembly on the shock body, some oil will leak out... this is normal.
- ❷ Tighten the cap and clean off any excess oil.
- ❸ After the shock is assembled, the shock rod will push itself out of the shock body fairly quickly.
- ❹ Follow the next procedure to adjust the rebound.

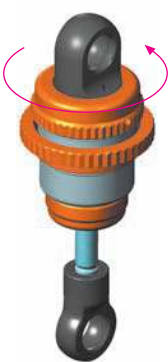


4x

REBOUND ADJUSTMENT

RELEASE 2-3 turns

❶



❷



❸

TIGHTEN FULLY

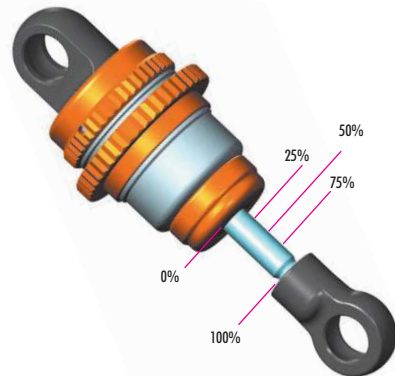


AFTER THE SHOCK IS ASSEMBLED YOU HAVE TO SET THE SHOCK REBOUND:

- ❶ Release the shock cap by 2-3 turns.
- ❷ Push the shock shaft fully up. For the first time the extra oil will release through the hole in the alu cap-nut.
- ❸ Tighten the shock cap. When tightening the shock cap, extra oil will again release through the hole in the alu cap - nut. When tightening, the shock shaft will push out from the shock body.

4x

REBOUND CHECK



REBOUND CHECK:

It is very important to push the shock shaft into the shock body slowly otherwise air can come into the shock body which would create bubbles.

- | | |
|------|---|
| 100% | rebound - do not do step 1 and 3 |
| 75% | rebound - repeat step 1 and 3 until the shock shaft will push out 75% of its length |
| 50% | rebound - repeat step 1 and 3 until the shock shaft will push out 50% of its length |
| 25% | rebound - repeat step 1 and 3 until the shock shaft will push out 25% of its length |
| 0% | rebound - repeat step 1 and 3 until the shock shaft will push out 0% of its length |

If the shock shaft does not rebound enough, you will have to refill the shock with shock oil, and then repeat the bleeding and rebound adjustment procedure.

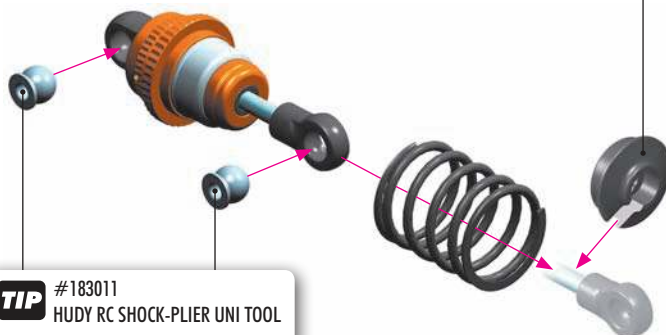
4x

SHOCK LENGTH ADJUSTMENT:



It is VERY IMPORTANT that all shocks are equal length.

Fully extend the shock absorber and measure the end-to-end length; we recommend using digital calipers to give an accurate measurement. If a shock absorber is shorter or longer than others, adjust the shock length by tightening or loosening the ball joint on the shock rod.



TIP #183011
HUDY RC SHOCK-PLIER UNI TOOL



#308031-0
ALU XRAY SHOCK SPRING RETAINING COLLAR - ORANGE (4)



ASSEMBLY VIEW



7. FRONT & REAR ASSEMBLY



FRONT BODY MOUNT SET

#301322	0mm	INCLUDED
#301323	+1mm	OPTION
#301324	+2mm	OPTION



#301203
IMPACT-ABSORBING BUMPER



#301228
T4 FOAM BUMPER WIDE - HARD



#301213
GRAPHITE UPPER HOLDER FOR BUMPER 2.5MM



#301351-0
ALU ADJUSTABLE BODY POST STOP (2)



BAG

07

30 1202 COMPOSITE BUMPER
30 1216 COMPOSITE BUMPER UPPER HOLDER BRACE
30 1218 COMPOSITE UPPER HOLDER FOR BUMPER
30 1322 FRONT BODY MOUNT SET
30 1325 T4 COMPOSITE BRACE FOR BUMPER - LOW (2)
30 3129 COMPOSITE SET OF WHEELBASE SHIMS (3x1MM; 1x2MM) (2)

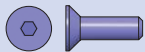
90 2308 HEX SCREW SH M3x8 (10)
90 2312 HEX SCREW SH M3x12 (10)

90 3308 HEX SCREW SFH M3x8 (10)
90 3310 HEX SCREW SFH M3x10 (10)
96 0030 NUT M3 (10)
98 1212 PIN 2x12 (10)

30 1227 T4 FOAM BUMER - LIGHT & STRONG
30 8308-0 ULP ALU SHOCK ABSORBER-SET - ORANGE (2)



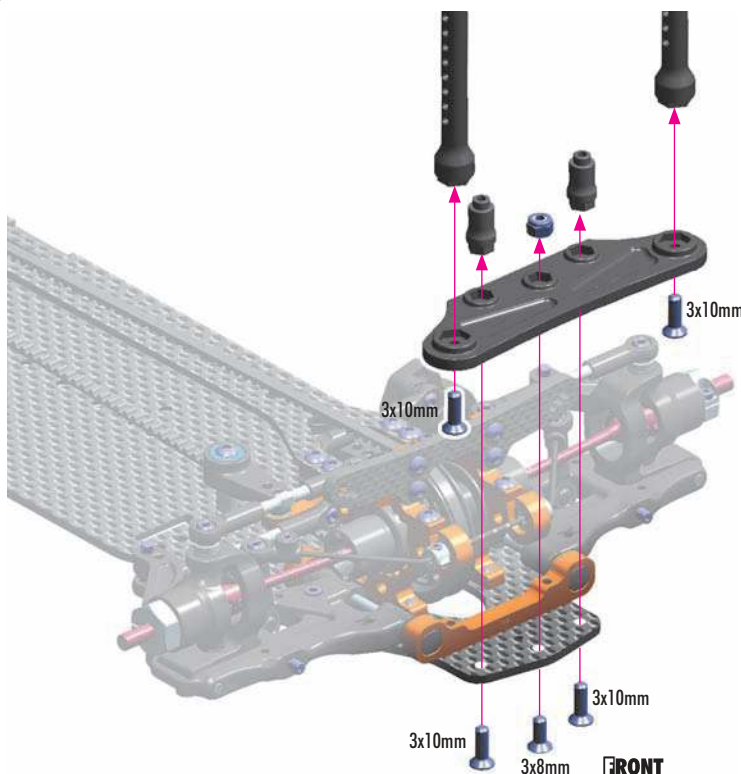
903308
SFH M3x8



903310
SFH M3x10



960030
N M3



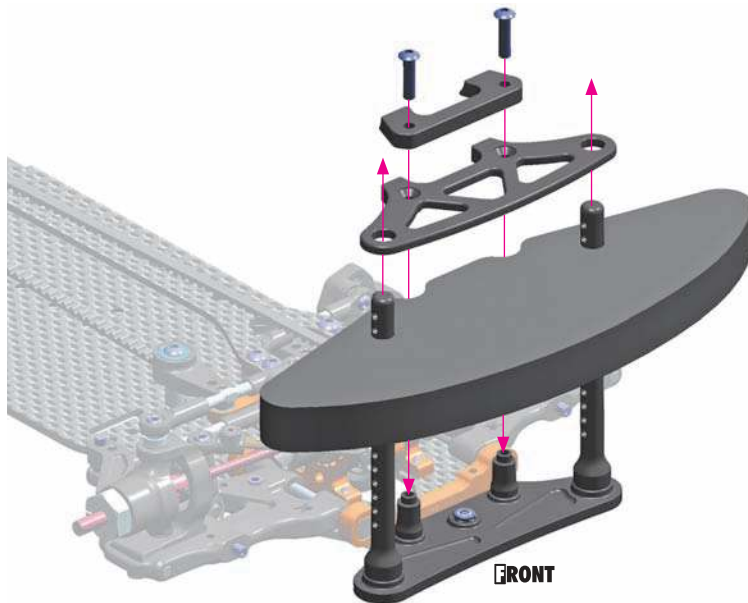
#301203
IMPACT-ABSORBING BUMPER



7. FRONT & REAR ASSEMBLY



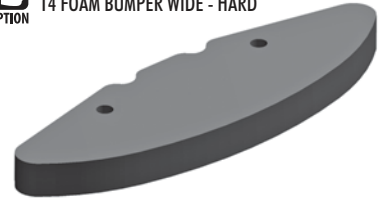
902312
SH M3x12



#301213
GRAPHITE UPPER HOLDER FOR BUMPER 2.5MM



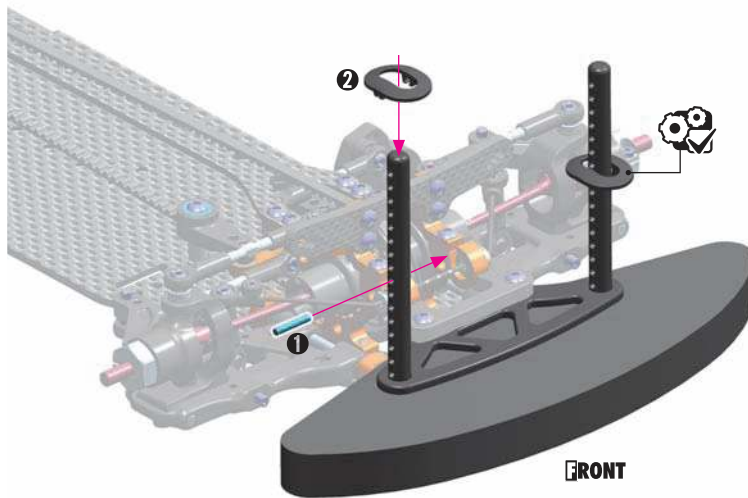
#301228
T4 FOAM BUMPER WIDE - HARD



2x
L=R



981212
P 2x12



#301351-0
ALU ADJUSTABLE BODY POST STOP (2)



Very handy, easily externally adjustable body post from Swiss 7075 T6 aluminum. Allows for adjustment of body height by 3mm without needing to change the position on the body post.



FRONT BODY MOUNT SET

#301322	0mm	INCLUDED
#301323	+1mm	OPTION
#301324	+2mm	OPTION



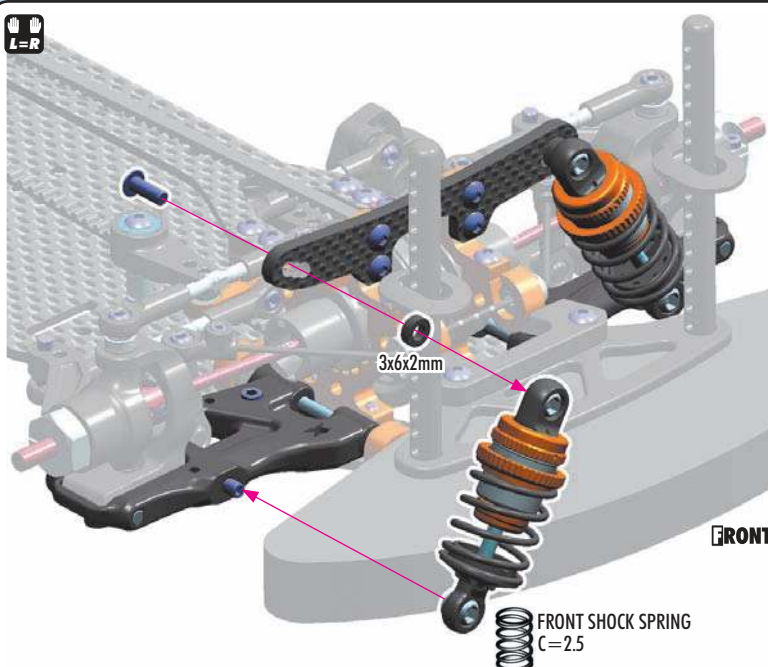
L=R



902308
SH M3x8



303129
SHIM 3x6x2



INITIAL SETTING



#302085
T4 SHOCK TOWER FRONT 3.0MM GRAPHITE



#308307-0
XRAY T4 ALU SHOCK ABSORBER-SET - ORANGE (2)

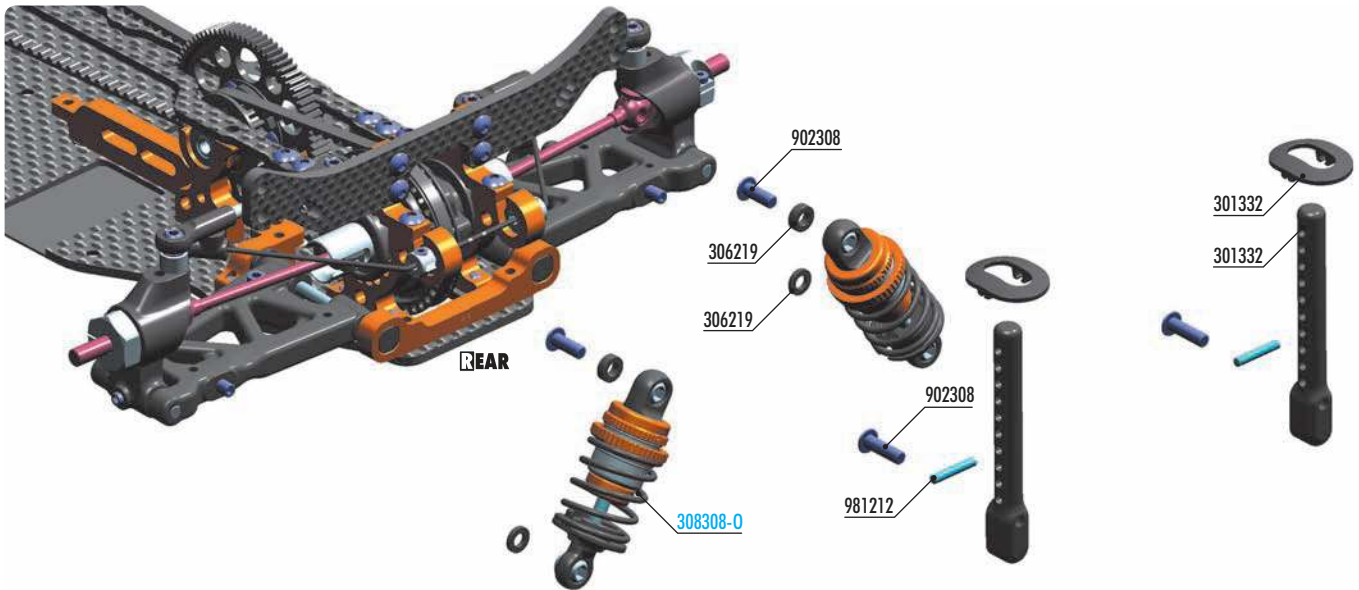


For some very specific racing conditions like extremely low traction, the shocks with shock towers from previous T4 cars will fit onto T4'18 and are available as an option.



SHOCK POSITION
RIDE HEIGHT
DROOP

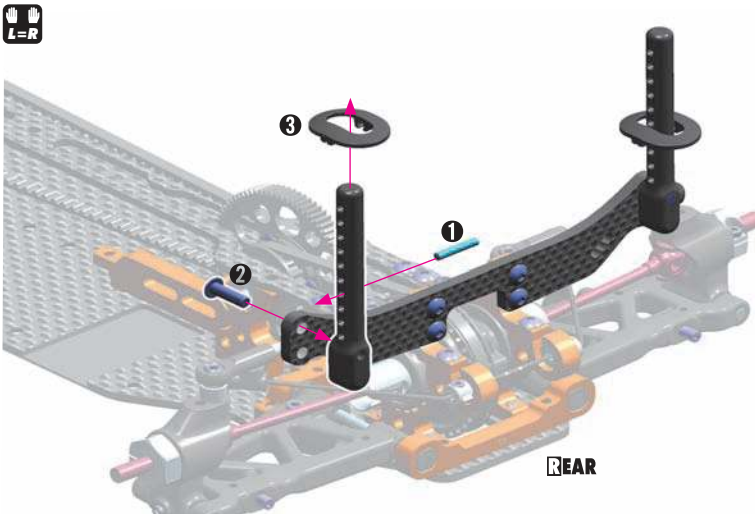
7. FRONT & REAR ASSEMBLY



BAG
07

30 1332 REAR BODY MOUNT SET
30 6219 COMPOSITE SET OF SERVO SHIMS (4)

90 2308 HEX SCREW SH M3x8 (10)
98 1212 PIN 2x12 (10)
30 8308-0 ULP ALU SHOCK ABSORBER-SET - ORANGE (2)



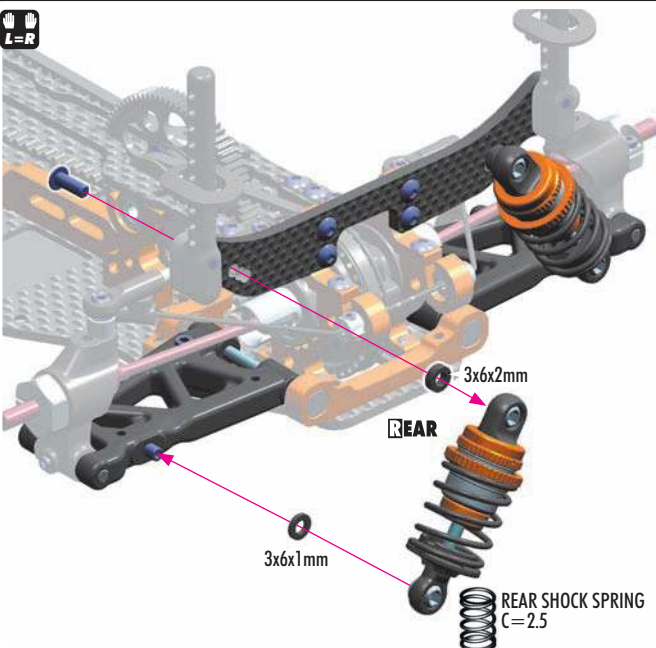
#301351-0
OPTION ALU ADJUSTABLE BODY POST STOP (2)



Very handy, easily externally adjustable body post from Swiss 7075 T6 aluminum. Allows for adjustment of body height by 3mm without needing to change the position on the body post.

OPTION

REAR BODY MOUNT SET		
#301332	0mm	INCLUDED
#301333	+1mm	OPTION
#301334	+2mm	OPTION



#303086
OPTION T4 SHOCK TOWER REAR 3.0MM GRAPHITE



#308307-0
OPTION XRAY T4 ALU SHOCK ABSORBER-SET - ORANGE (2)



For some very specific racing conditions like extremely low traction, the shocks with shock towers from previous T4 cars will fit onto T4'18 and are available as an option.

SET-UP BOOK

SHOCK POSITION
RIDE HEIGHT
DROOP

Motor (NOT INCLUDED)

Receiver (NOT INCLUDED)

Speed Controller (NOT INCLUDED)

Steering Servo (NOT INCLUDED)

Servo Screw (NOT INCLUDED)

LiPo Battery Pack (NOT INCLUDED)

Wheels & Tires & Inserts (NOT INCLUDED)

OPTION #306191 T4 GRAPHITE + ALU FULLY ADJUSTABLE BATTERY HOLDER

OPTION #306194 T4 GRAPHITE + BRASS FULLY ADJUSTABLE BATTERY HOLDER

OPTION #309855 BRASS BATTERY BACKSTOP

OPTION #306531 BRASS CHASSIS STIFFENER

OPTION #306165 GRAPHITE BATTERY STRAP

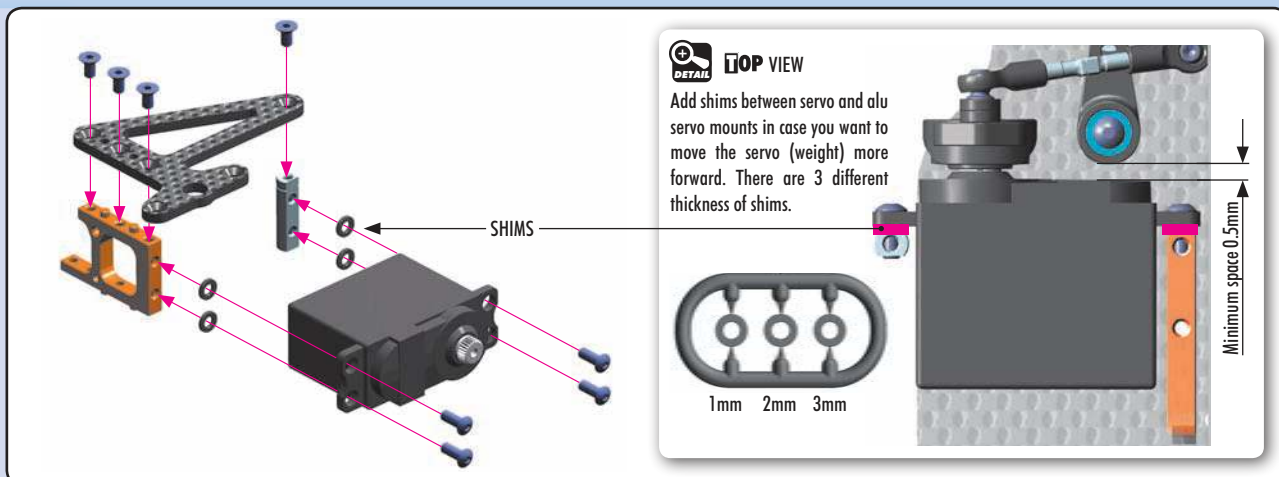
OPTION #306186 ALU LIPO BATTERY BACKSTOPS (F + R)

OPTION #303061 GRAPHITE MOTOR GUARD

BAG 07

305912-306000	NARROW PINION GEAR ALU HARD COATED (OPTION)	30 9402	BODY CLIP FOR 6MM BODY POST (4)
30 6184	LONG COMPOSITE LIPO BATTERY BACKSTOP (1 + 1)	90 2306	HEX SCREW SH M3x6 (10)
30 6201	ALU SERVO MOUNT - LONG	90 2308	HEX SCREW SH M3x8 (10)
30 6204-0	T4'17 ALU SERVO MOUNT - ORANGE	90 3306	HEX SCREW SFH M3x6 (10)
30 6219	COMPOSITE SET OF SERVO SHIMS (4)	90 3308	HEX SCREW SFH M3x8 (10)
30 6301	ANTENNA MOUNT - THIN	96 0140	NUT M4 WITH FLANGE (10)
30 6233	T4 GRAPHITE FLOATING SERVO HOLDER 3.0MM		
30 6530	T4 GRAPHITE CHASSIS STIFFENER 2.0MM		

30 6310 **ANTENNA (2)**

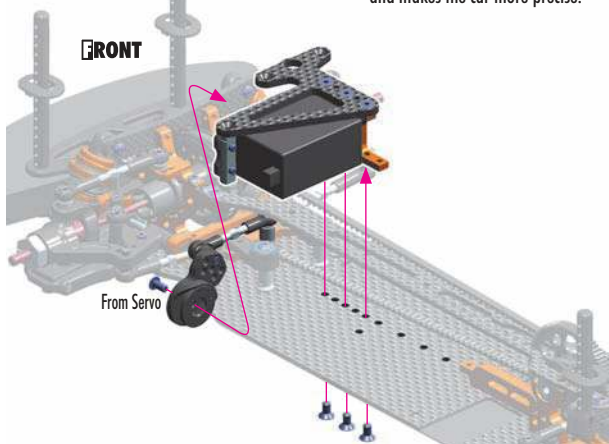




ALTERNATIVE 1

STANDARD STEERING ARM MOUNTING (INITIAL SETTING)

Standard steering mounting system provides maximum steering response and makes the car more precise.



For improved weight balance and for more space for electronics, we recommend using a narrow, light servo.



IMPORTANT!

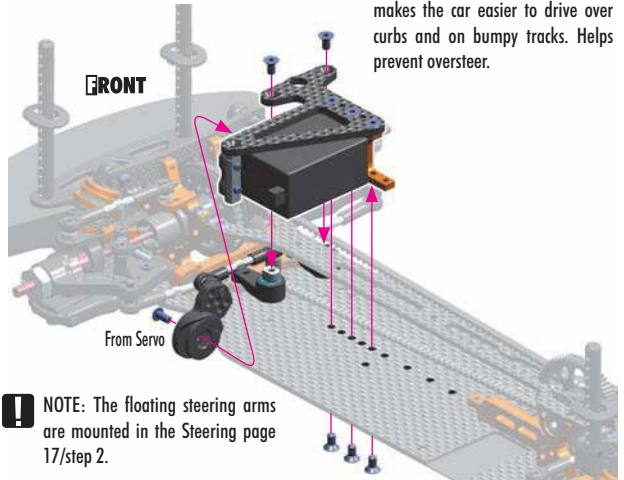


When adjusting steering on the radio, we recommend using full steering adjustment in order to get the best steering from the car. It is important to verify that the steering block does not touch the C-hub; that would lead to chassis tweak due to extra servo strain.

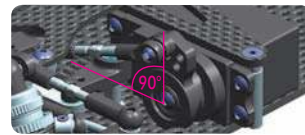
ALTERNATIVE 2

FLOATING STEERING ARM MOUNTING

Floating steering mounting system makes the car easier to drive over curbs and on bumpy tracks. Helps prevent oversteer.



NOTE: The floating steering arms are mounted in the Steering page 17/step 2.



Attach servo arm to servo output shaft using screw from servo. Servo saver must be perpendicular to chassis when servo is in neutral.

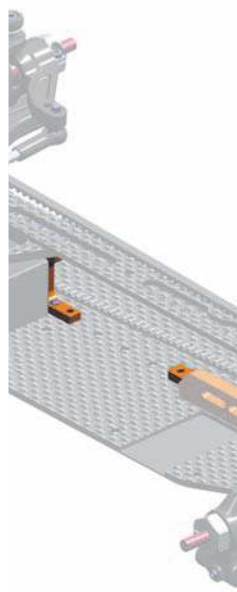


INLINE FLEX CHASSIS ADJUSTMENT

The inline chassis flex adjustment has a direct effect on the steering characteristics of the car. The more stiff the inline chassis flex is, better steering response and more in-corner steering is generated.

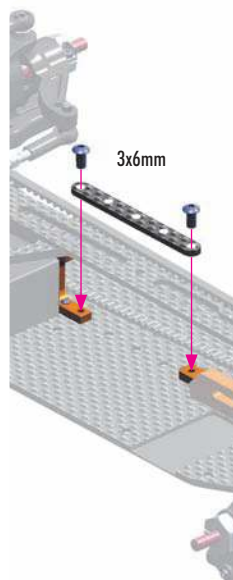
1

INITIAL SETTING



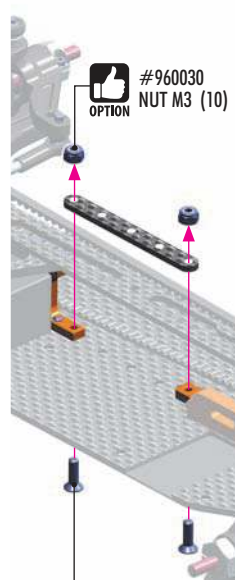
2

Attach the graphite reinforcement plate from the top so the chassis stays independent from inline chassis flex.



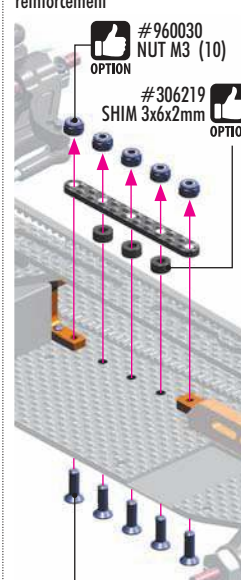
3

Attach the graphite reinforcement plate from the bottom so the chassis is now part of the inline chassis flex.



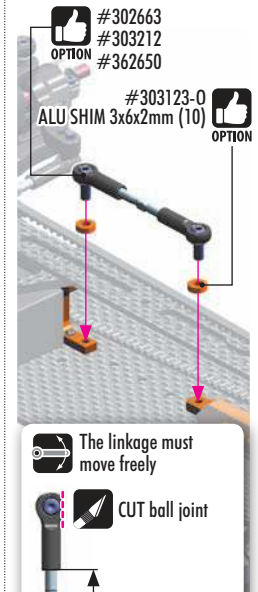
4

Attach the graphite reinforcement plate from the bottom so the chassis is now part of the inline chassis flex and use also extra holes between the servo holder and motor mount for even extra reinforcement



5

Use the linkage - mounted from the top - for inline chassis reinforcement. By using the linkage, the chassis stays stiff in the inline direction, but flexes to the sides.



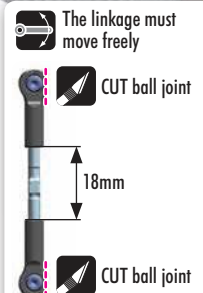
#306531
BRASS CHASSIS STIFFENER



#903308
HEX SCREW SFH
M3x8 (10)



#903308
HEX SCREW SFH
M3x8 (10)



The ball joints must be modified (cutted) in order to prevent ball joints touching the belt.



7. FINAL ASSEMBLY

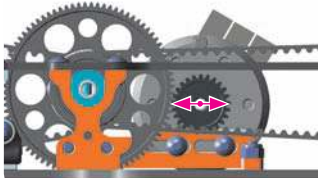


902308
SH M3x8



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.



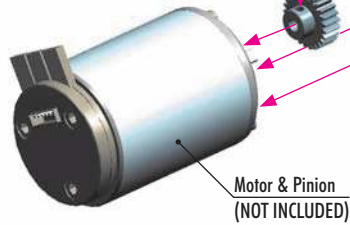
#303061
GRAPHITE MOTOR GUARD



#306410-0
ALU FAN MOUNT



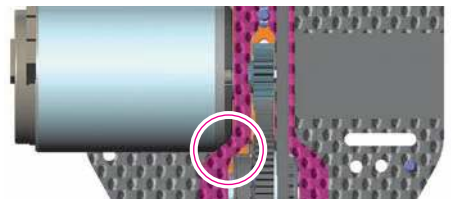
3x2.5mm set screw
(#901302)
(NOT INCLUDED)



Motor & Pinion
(NOT INCLUDED)



TIP Some motors do not have a chamfer on the motor housing. If your motor does not have a chamfer on the housing and you want to use a small pinion, the motor may touch the top deck. Use a moto-tool with grinding bit or file to remove material from the top-deck; this will allow the motor to be moved closer to the spur gear.



903308
SFH M3x8



NOTE: In case the antenna tube does not hold the antenna properly, apply a small drop of the CA glue to the outside end of the antenna tube while inserting it into the holder. Make sure not to apply glue to the inside of the antenna tube, or the antenna wire may get permanently stuck.



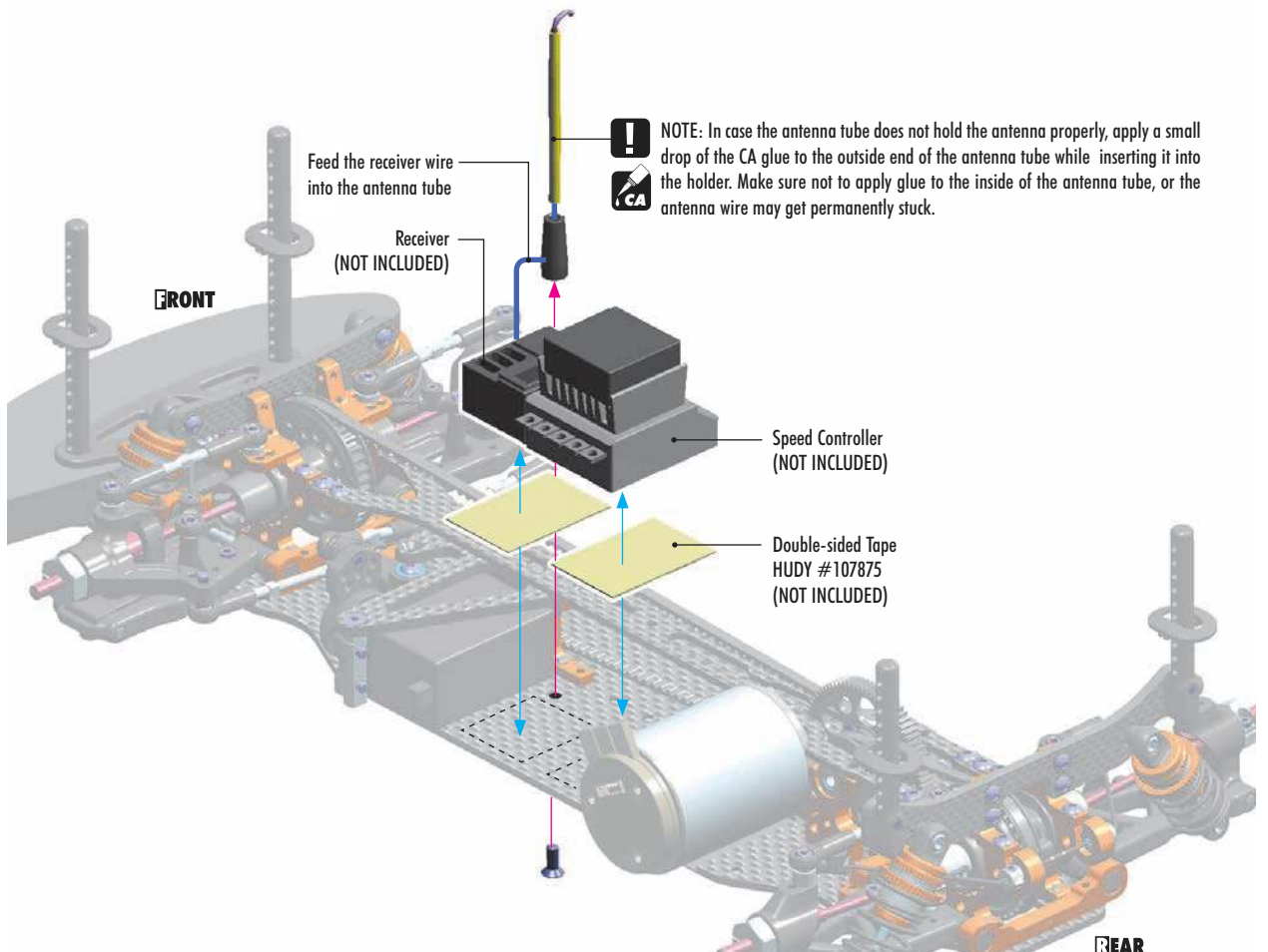
Feed the receiver wire into the antenna tube

Receiver
(NOT INCLUDED)

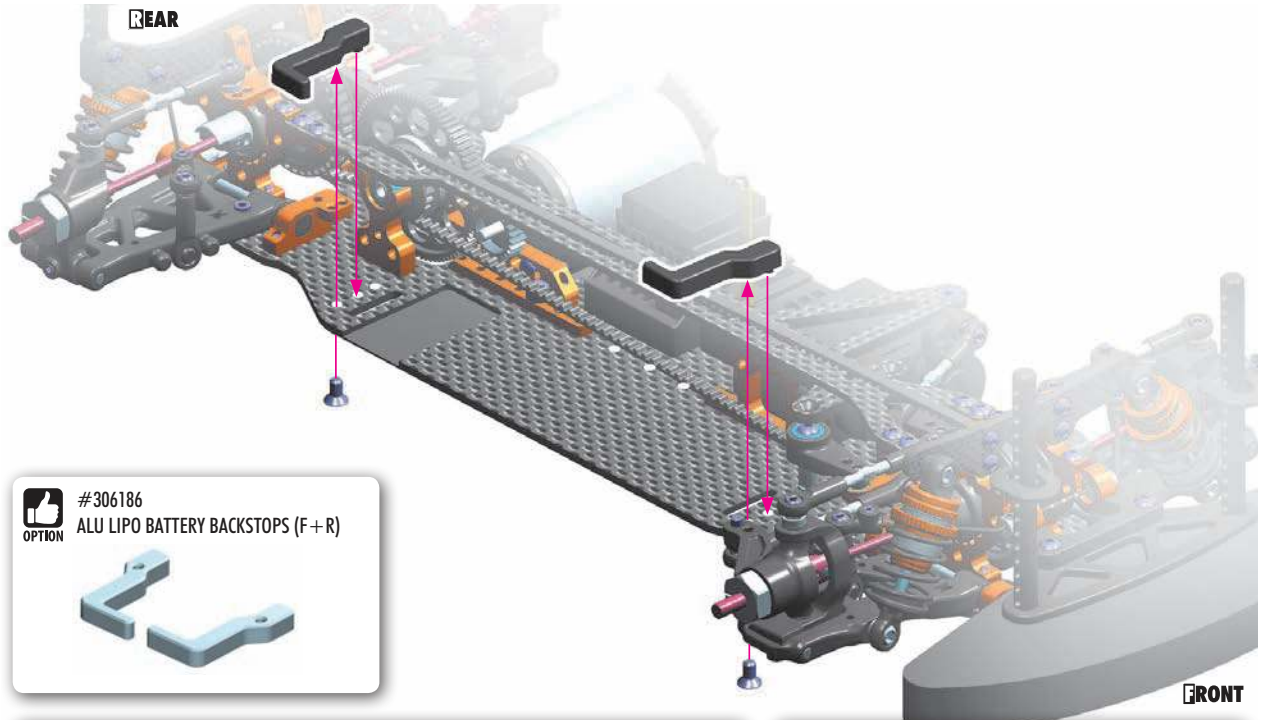
FRONT

Speed Controller
(NOT INCLUDED)

Double-sided Tape
HUDY #107875
(NOT INCLUDED)



REAR



#306186
ALU LIPO BATTERY BACKSTOPS (F+R)



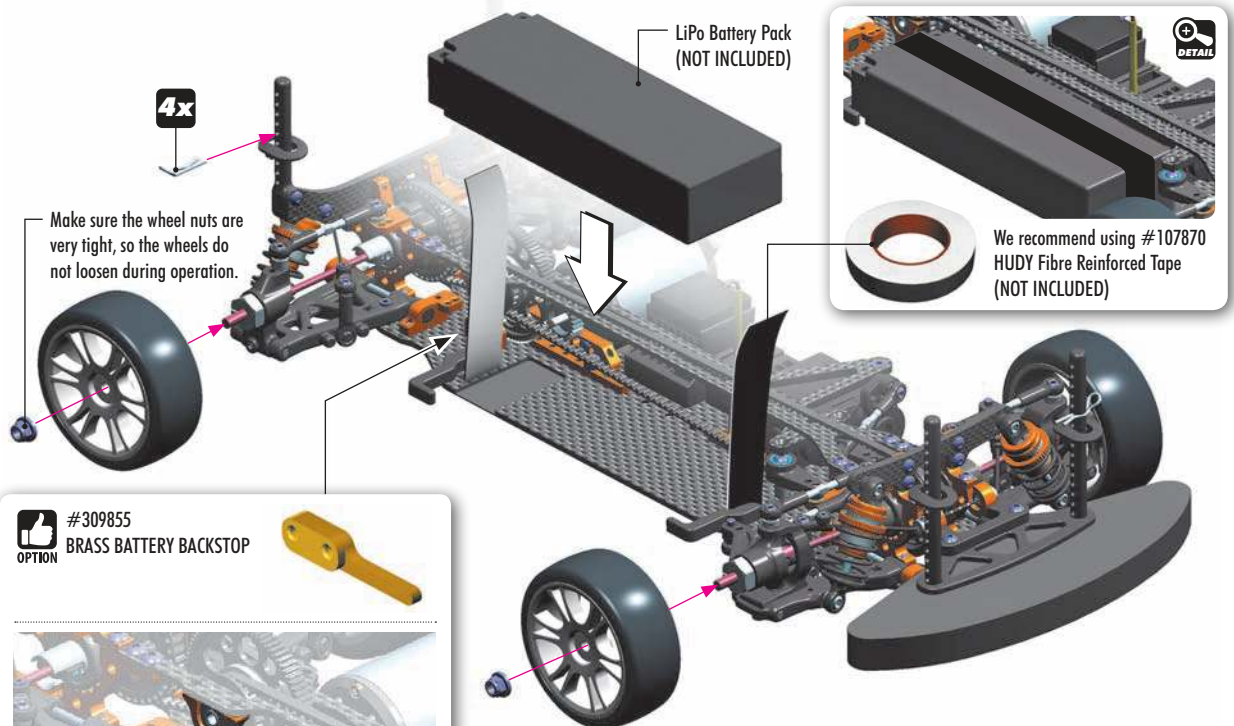
#306191
T4 GRAPHITE + ALU FULLY
ADJUSTABLE BATTERY HOLDER



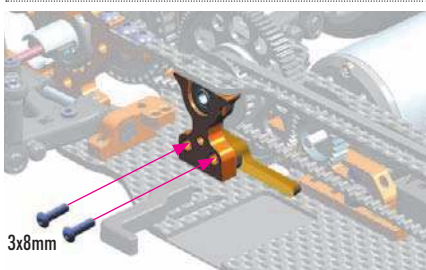
#306194
T4 GRAPHITE + BRASS FULLY
ADJUSTABLE BATTERY HOLDER



TIP Using the optional stand and shims with screw allows adjustment of battery position, which has a direct influence on balance.



#309855
BRASS BATTERY BACKSTOP



#306165
GRAPHITE BATTERY STRAP

Designed for LiPo batteries and ensures quick & easy mounting of the battery pack into the car. Depending on the LiPo battery height, additional shims may have to be mounted below the stands.





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