XRAY XB8 2016

1/8 LUXURY NITRO ON-ROAD RACING CAR

MADE IN EUROPE

INSTRUCTION MANUAL

BEFORE YOU START

The RX8 is a high-competition, high-quality, 1/8-scale on-road nitro 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 RX8, YOU MUST read through all of the operating instructions and instruction manual and fully understand them to get the maximum enjoyment and prevent unnecessary damage.

Read carefully and fully understand the instructions before beginning assembly.
Make sure you review this entire Instruction Manual and examine all details carefully. If for some reason you decide the RX8 is not what you wanted or expected, do not continue any further. Your hobby dealer cannot accept your RX8 kit for return or exchange after it has been partially or fully assembled.

Contents of the box may differ from pictures. In line with our policy of continuous product development, the exact specifications of the kit may vary without prior notice.

CUSTOMER SUPPORT

We have made every effort to make these instructions as easy to understand as possible. However, if you have any difficulties, problems, or questions, please do not hesitate to contact the XRAY support team at info@teamxray.com. Also, please visit our Web site at www.teamxray.com to find the latest updates, set-up information, option parts, and many other goodies. We pride ourselves on taking excellent care of our customers.

You can join thousands of XRAY fans and enthusiasts in our online community at: **www.teamxray.com**

XRAY Europe
K Výstavisku 6992
91101 Trenčín
Slovakia, EUROPE
Phone: +421-32-7401100
Fax: +421-32-7401109
Email: info@teamxray.com

XRAY RC America
2030 Century Center Blvd #15, Suite 109
75062 Irving
Texas, USA
Phone: (214) 744-2400
Fax: (214) 744-2401
Email: xray@rcamerica.com

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

SAFETY PRECAUTIONS

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
Wash thoroughly after using. DO NOT use product while eating, drinking or using tobacco products. May cause chronic effects to gastrointestinal tract, CNS, kidneys, and blood. MAY CAUSE BIRTH DEFECTS.

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

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

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

IMPORTANT NOTES – GENERAL

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

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

IMPORTANT NOTES – NITRO ENGINES

- Always test the brakes and the throttle before starting your engine to avoid losing control of the model.
- Make sure the air filter is clean and oiled.
- Never run your engine without an air filter. Your engine can be seriously damaged if dirt and debris get inside the engine.
- For proper engine break-in, please refer to the manual that came with the engine.
- Do not run near open flames or smoke while running your model or while handling fuel.
- Some parts will be hot after operation. Do not touch the exhaust or the engine until they have cooled. These parts may reach 275°F during operation!

IMPORTANT NOTES – ELECTRICAL

- Insulate any exposed electrical wiring (using heat shrink tubing or electrical tape) to prevent dangerous short circuits. Take maximum care in wiring, connecting and insulating cables. Make sure cables are always connected securely. Check connectors for if they become loose. And if so, reconnect them securely. Never use R/C models with damaged wires. A damaged wire is extremely dangerous, and can cause short-circuits resulting in fire. Please have wires repaired at your local hobby shop.
- Low battery power will result in loss of control. Loss of control can occur due to a weak battery in either the transmitter or the receiver. Weak running battery may also result in an out of control car if your car's receiver power is supplied by the running battery. Stop operation immediately if the car starts to slow down.
- When not using RC model, always disconnect and remove battery.
- Do not disassemble battery or cut battery cables. If the running battery short-circuits, approximately 300W of electricity can be discharged, leading to fire or burns. Never disassemble battery or cut battery cables.
- Use a recommended charger for the receiver and transmitter batteries and follow the instructions correctly. Over-charging, incorrect charging, or using inferior chargers can cause the batteries to become dangerously hot. Recharge battery when necessary. Continual recharging may damage battery and, in the worst case, could build up heat leading to fire. If battery becomes extremely hot during recharging, please ask your local hobby shop for check and/or repair and/or replacement.
- Regularly check the charger for potential hazards such as damage to the cable, plug, casing or other defects. Ensure that any damage is rectified before using the charger again. Modifying the charger may cause short-circuit or overcharging leading to a serious accident. Therefore do not modify the charger.
- Always unplug charger when recharging is finished.
- Do not recharge battery while battery is still warm. After use, battery retains heat. Wait until it cools down before charging.
- Do not allow any metal part to short circuit the receiver batteries or other electrical/electronic device on the model.
- Immediately stop running if your RC model gets wet as may cause short circuit.
- Please dispose of batteries responsibly. Never put batteries into fire.

IMPORTANT NOTES – NITRO FUEL

- Handle fuel only outdoors. Never handle nitro fuel indoors, or mix nitro fuel in a place where ventilation is bad.
- Only use nitro fuel for R/C models. Do not use gasoline or kerosene in R/C models as it may cause a fire or explosion, and ruin your engine.
- Nitro fuel is highly inflammable, explosive, and poisonous. Never use fuel indoors or in places with open fires and sources of heat.
- Always keep the fuel container cap tightly shut.
- Always read the warning label on the fuel container for safety information.
- Nitro-powered model engines emit poisonous vapors and gasses. These vapors irritate eyes and can be highly dangerous to your health. We recommend wearing rubber or vinyl gloves to avoid direct contact with nitro fuel.
- Nitro fuel for RC model cars is made of the combination of the methyl alcohol, castor or synthetic oil, nitro methane etc. The flammability and volatility of these elements is very high, so be very careful during handling and storage of nitro fuel.
- Keep nitro fuel away from open flame, sources of heat, direct sunlight, high temperatures, or near batteries.
- Store fuel in a cool, dry, dark, well-ventilated place, away from heating devices, open flames, direct sunlight, or batteries. Keep nitro fuel away from children.
- Do not leave the fuel in the carburetor or fuel tank when the model is not in use. There is danger that the fuel may leak out.
- Wipe up any spilled fuel with a cloth
- Be aware of spilled or leaking fuel. Fuel leaks can cause fires or explosions.
- Do not dispose of fuel or empty fuel containers in a fire. There is danger of explosion.

R/C & BUILDING TIPS

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

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

WARRANTY

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

Due to the high performance level of this model car you will need to periodically maintain and replace consumable components. Any and all warranty coverage will not cover replacement of any part or component damaged by neglect, abuse, or improper or unreasonable use. This includes but is not limited to damage from crashing, chemical and/or water damage, excessive moisture, improper or no maintenance, or user modifications which compromise the integrity of components. Warranty will not cover components that are considered consumable on RC vehicles. XRAY does not pay nor refund shipping on any component sent to XRAY or its distributors for warranty. XRAY reserves the right to make the final determination of the warranty status of any component or part.

Limitations of Liability

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

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

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

All rights reserved.

QUALITY CERTIFICATE

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

Please note that raw materials such as aluminum, steel, brass, fibreglass, or carbon fibre may have small scratches on the surface which is a standard characteristic of any raw material. Scratches on the surface of any materials are NOT considered to be material defects.

Products may potentially have small amounts of corrosion on them. This may be caused by variances in weather during different times of the year, humidity in the shop or during shipping, and other contributing factors. Even though we have taken all precautions and protection methods to prevent corrosion, these small amounts of corrosion (if present) are unavoidable and considered to be acceptable.

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

- Apply thread lock
- Apply oil (may indicate specific type)
- Apply cyanoacrylate (CA) glue
- Apply grease
- Assemble left and right sides the same way
- Ensure smooth non-binding movement
- Cut off remaining material
- Assemble as many times as specified (here twice)
- Number of teeth
- Detail
- Pay attention here
- Follow tip here
- Part bags used
- Assemble in the specified order
- Assembly view
- Optional parts

TOOLS REQUIRED

HUDY TOOLS


Phillips 3.5mm


Slotted Screwdriver 4.0mm


Arm Reamer 3mm/4mm


Allen 1.5 / 2.0 / 2.5 / 3.0mm


Allen Ball 2.5mm


Exhaust Spring / Caster Clip Remover

Flywheel Tool
(HUDY #182010)

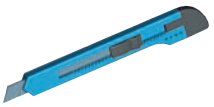
Pinion Tool Set

Turnbuckle Tool 3.0mm
(HUDY #181030)

Reamer
(HUDY #107602)
(HUDY #107601)

Side Cutters
(HUDY #189010)

Hobby Knife



Wrench Glowplug/Clutchnut
(HUDY #107581)

Scissors
(HUDY #188990)

EQUIPMENT REQUIRED

Transmitter

Receiver

Steering & Throttle Servos

Engine

Starter Box (HUDY #104400)
& Battery Pack

Glowplug Igniter

Exhaust

Manifold

Lexan® Paint

Bodyshell

Battery Charger

Receiver Battery Pack

Wheels & Tires

Tire Truer
(HUDY #102003)

Model R/C Car Fuel
(nitromethane)

Personal Transponder

Air Filter

Air Filter Oil
(HUDY #106240)

CA Glue

Engine After Run Oil
(HUDY #106250)

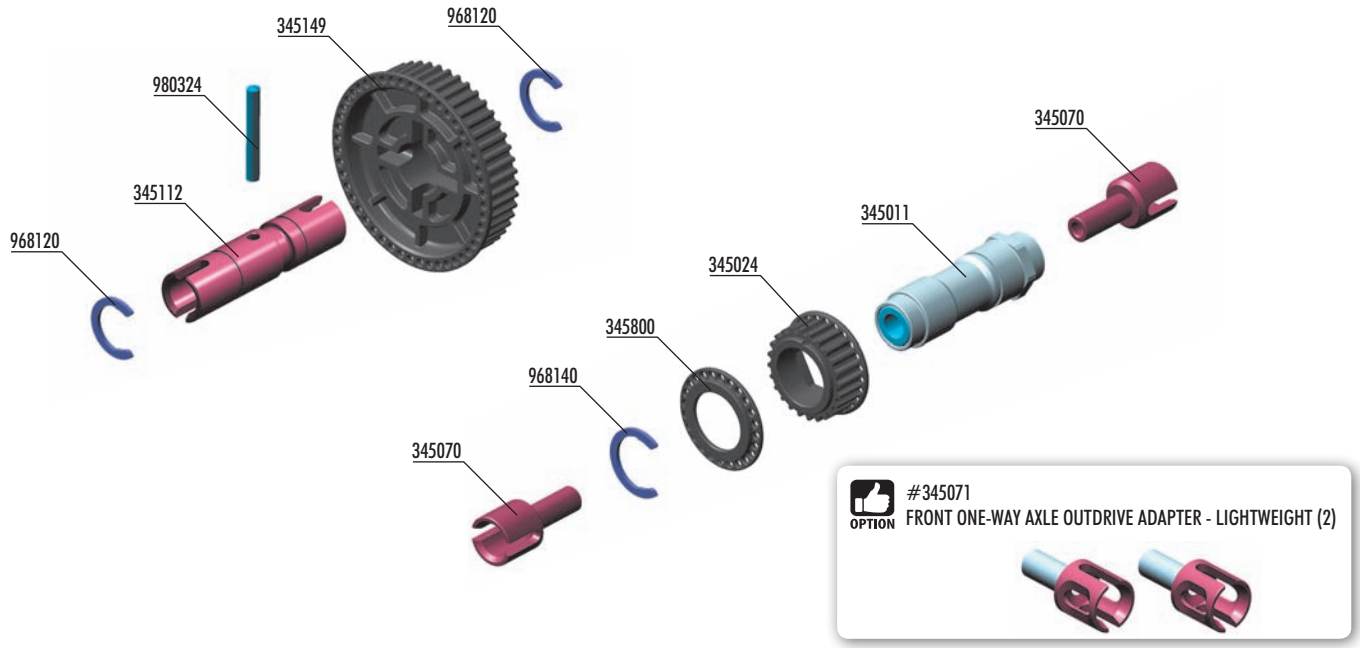
One-Way Lube
(HUDY #106231)

Threadlock

Graphite Grease
(HUDY #106210)

Bearing Oil
(HUDY #106230)

1. FRONT ONE-WAY & REAR SOLID AXLE

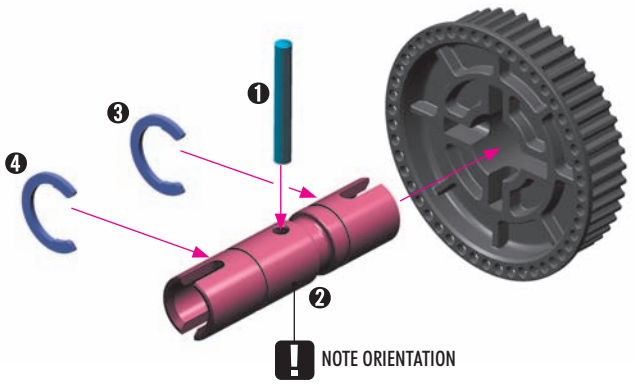


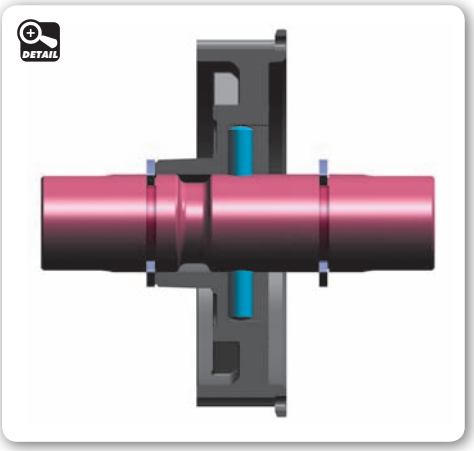
BAG 01

345001	FRONT ONE-WAY - HARDCOATED + LIGHTWEIGHT ADAPTERS	345149	COMPOSITE REAR SOLID AXLE PULLEY 48T
345011	FRONT ONE-WAY AXLE - BLACK COATED		
345024	COMPOSITE FRONT ONE-WAY AXLE PULLEY 24T	968120	C-CLIP 12 (10)
345070	FRONT ONE-WAY AXLE OUTDRIVE ADAPTER - HUDY SPRING STEEL™ (2)	968140	C-CLIP 14 (10)
345071	FRONT ONE-WAY AXLE OUTDRIVE ADAPTER - LIGHTWEIGHT (2) (OPTION)	980324	PIN 3x24 (10)
345800	COMPOSITE BELT PULLEY COVER SET		
345112	REAR SOLID AXLE SHAFT - HUDY SPRING STEEL™		

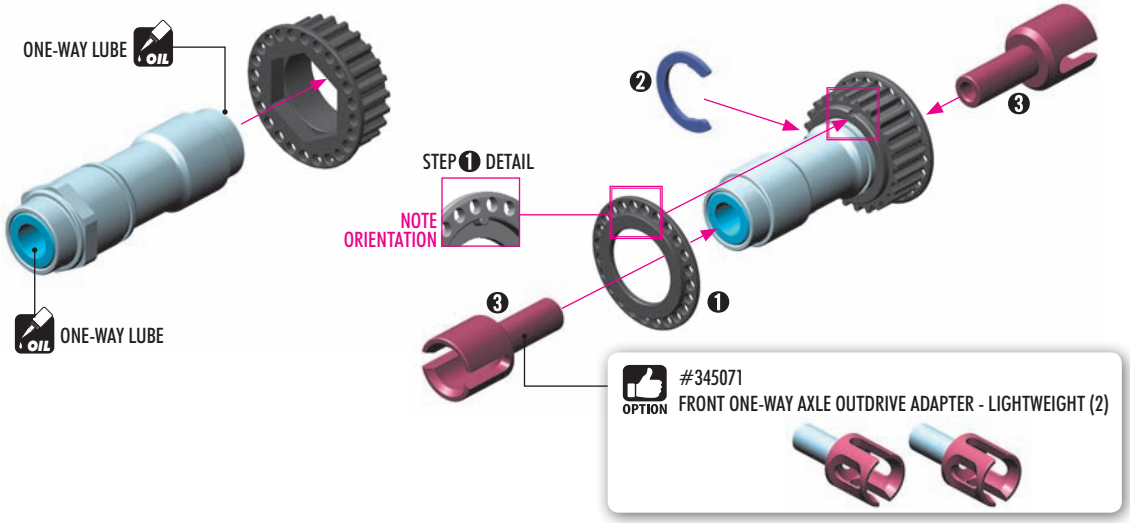
968120
C 12

980324
P 3x24

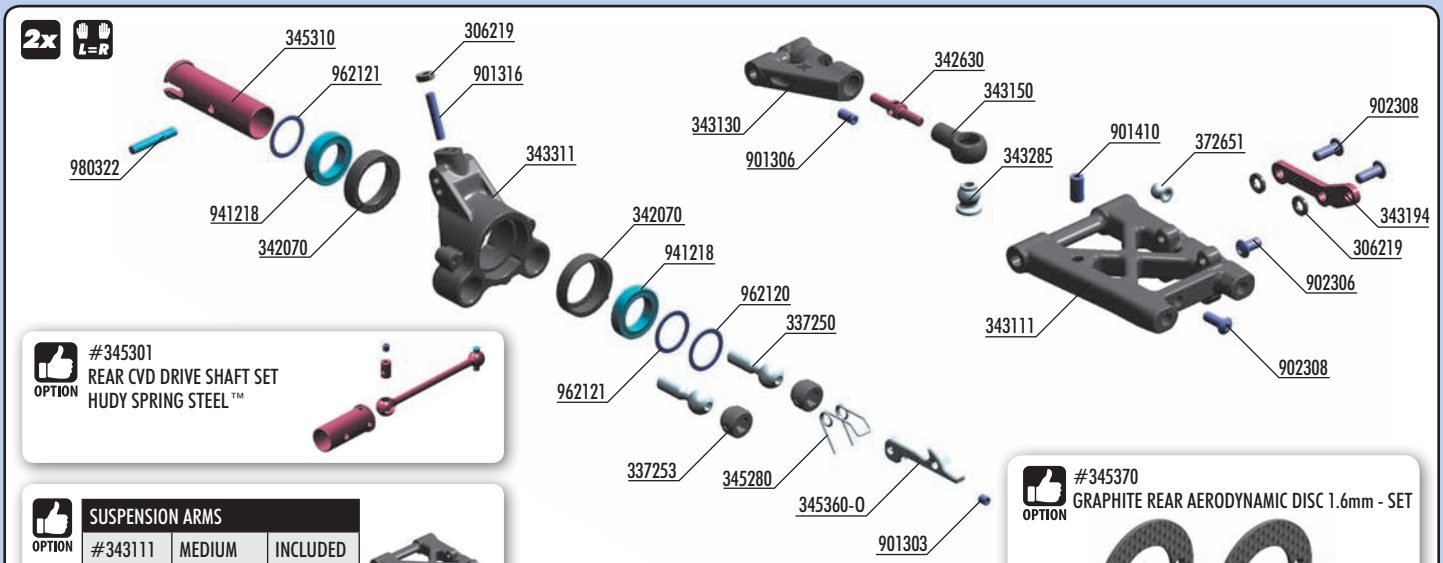




968140
C 14



2. REAR SUSPENSION



OPTION #345301
REAR CVD DRIVE SHAFT SET
HUDY SPRING STEEL™

OPTION

SUSPENSION ARMS		
#343111	MEDIUM	INCLUDED
#343112	HARD	OPTION
#343113	GRAPHITE	OPTION

OPTION #345370
GRAPHITE REAR AERODYNAMIC DISC 1.6mm - SET

BAG 02.1

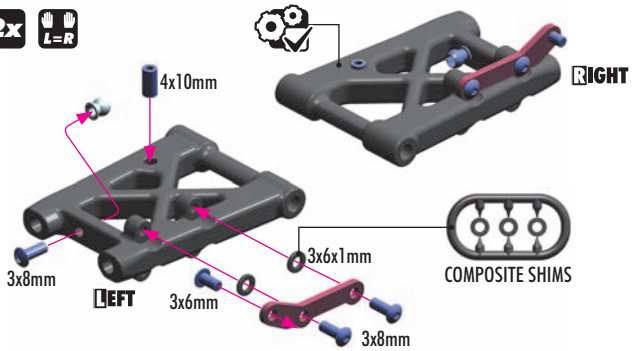
306219	COMPOSITE SET OF SERVO SHIMS (4)	343285	PIVOT BALL 6.8MM (2)	901306	HEX SCREW SB M3x6 (10)
337250	STEEL PIVOT BALL 8.4 MM (2)	343311	COMPOSITE UPRIGHT REAR FOR AERO DISC	901316	HEX SCREW SB M3x16 (10)
337253	COMPOSITE ADJUSTING NUT M10x1 (4)	345280	WHEEL SPRING (2)	901410	HEX SCREW SB M4x10 (10)
342070	COMPOSITE SET OF BUSHINGS (2)	345310	REAR WHEEL AXLE - HUDY SPRING STEEL™	902306	HEX SCREW SH M3x6 (10)
342630	ADJ. TURNBUCKLE L/R 20 MM - HUDY SPRING STEEL™ (2)	345360-0	ALU REAR WHEEL LOCK - SWISS 7075 T6 - ORANGE (2)	902308	HEX SCREW SH M3x8 (10)
343111	SUSPENSION ARM FOR EXTENSION - REAR LOWER	345370	GRAPHITE REAR AERODYNAMIC DISC 1.6MM - SET (OPTION)	962120	WASHER S 12x15x0.5 (10)
343130	COMPOSITE SUSPENSION ARM REAR UPPER	372651	PIVOT BALL UNIVERSAL 4.9 MM - HUDY SPRING STEEL™ (2)	962121	WASHER S 12x15x1.0 (10)
343150	UPPER BALL JOINT 5.8MM - SHORT & LONG (2+2)	941218	HIGH-SPEED BALL-BEARING 12x18x4 RUBBER SEALED (2)	980322	PIN 3x22 (10)
343194	STEEL EXTENSION FOR SUSPENSION ARM - REAR LOWER (2)	901303	HEX SCREW SB M3x3 (10)		

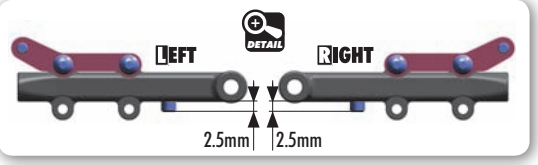

901410
SB M4x10


902306
SH M3x6


902308
SH M3x8

2x L=R



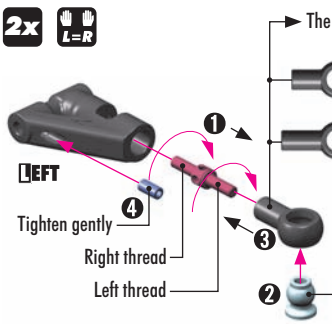


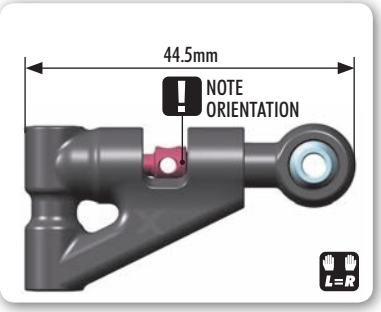
OPTION

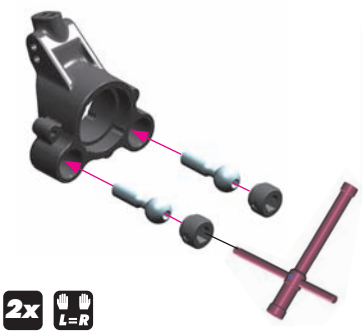
SUSPENSION ARMS		
#343111	MEDIUM	INCLUDED
#343112	HARD	OPTION
#343113	GRAPHITE	OPTION


901306
SB M3x6

2x L=R



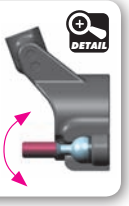




2x L=R

PIVOT BALLS MUST MOVE FREELY

During initial assembly, tighten each composite hex nut until the pivot ball starts to bind, then loosen slightly. Verify that the pivot balls move freely.



TIP Tighten composite hex nuts using HUDY tool #107581

OPTION

ADJUSTING NUT		
#337253	COMPOSITE	INCLUDED
#337252	ALU	OPTION

OPTION

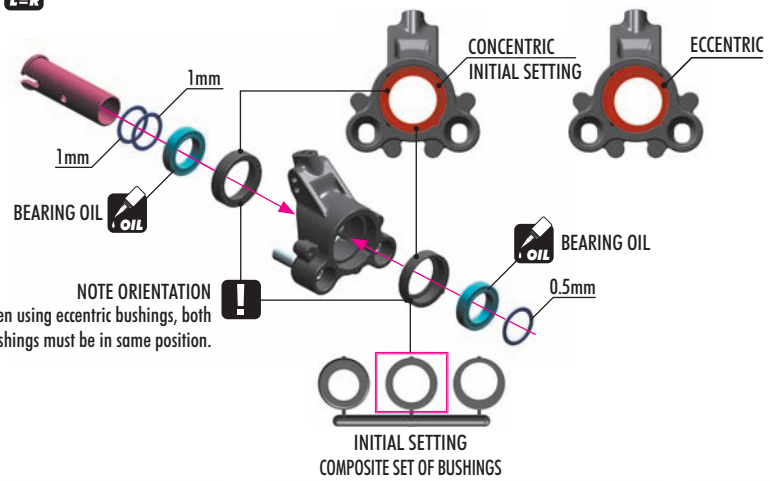
PIVOT BALLS		
#337250	STEEL	INCLUDED
#337251	ALU	OPTION
#337255	TITAN	OPTION

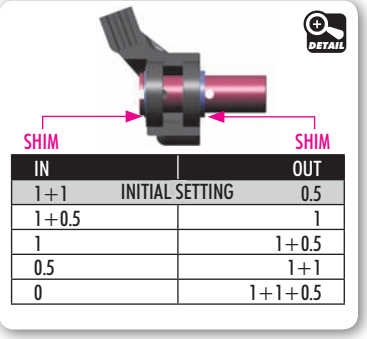
941218
BB 12x18x4

962120
S 12x15x0.5

962121
S 12x15x1.0

2x L=R





IN		OUT
1+1	INITIAL SETTING	0.5
1+0.5		1
1		1+0.5
0.5		1+1
0		1+1+0.5

OPTION #345290
ALU SHIM 12x15x1.0MM (4)

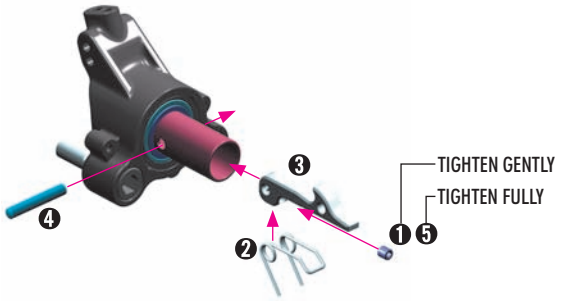
OPTION #345301
REAR CVD DRIVE SHAFT SET
HUDY SPRING STEEL™

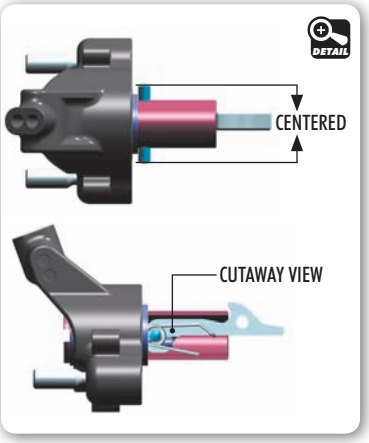
OPTION #345312
ALU REAR CVD DRIVE AXLE
SWISS 7075 T6 - HARDCOATED

901303
SB M3x3

980322
P 3x22

2x L=R

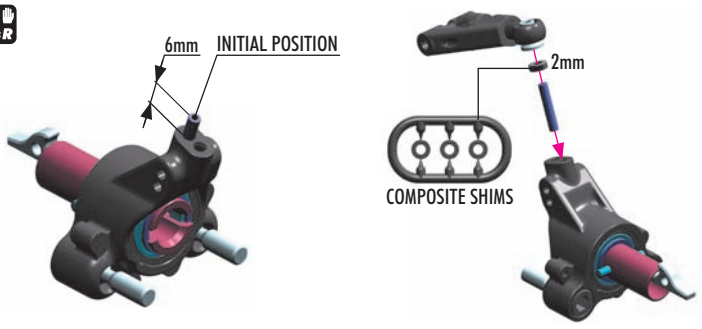




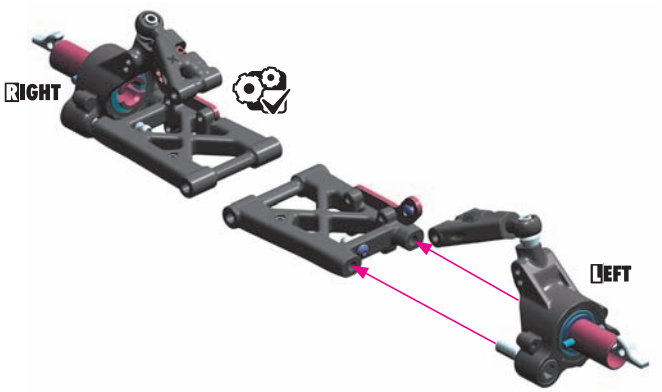
306219
SHIM 3x6x2

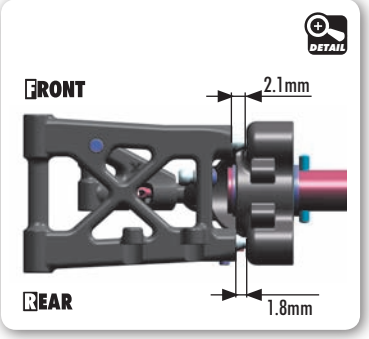
901316
SB M3x16

2x L=R

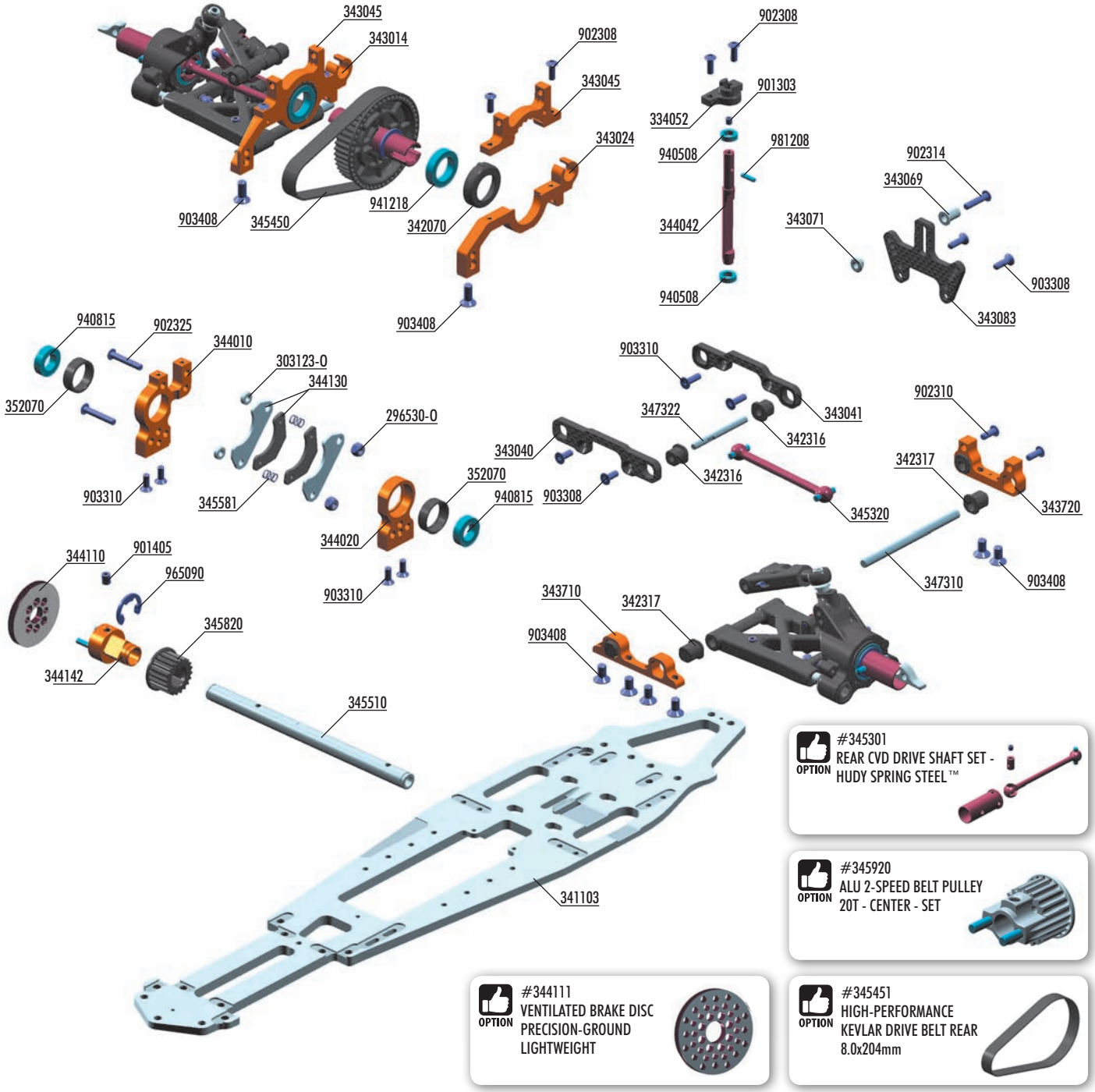


2x L=R





2. REAR SUSPENSION



OPTION #345301
REAR CVD DRIVE SHAFT SET - HUDY SPRING STEEL™

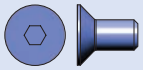
OPTION #345920
ALU 2-SPEED BELT PULLEY 20T - CENTER - SET

OPTION #344111
VENTILATED BRAKE DISC PRECISION-GROUND LIGHTWEIGHT

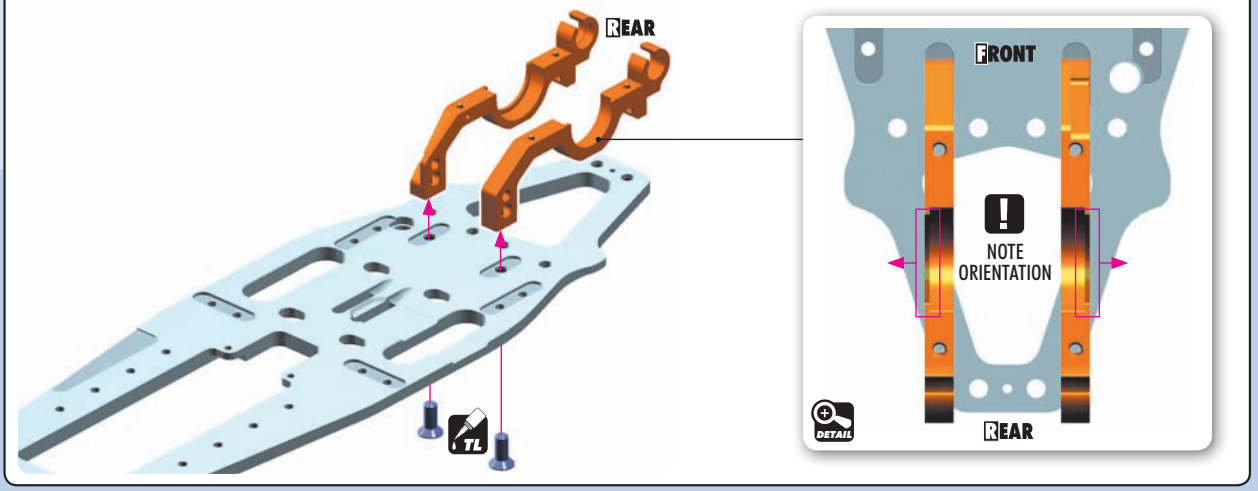
OPTION #345451
HIGH-PERFORMANCE KEVLAR DRIVE BELT REAR 8.0x204mm

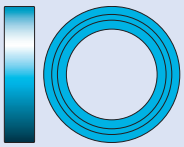
BAG 02.2

296530-O	ALU NUT M3 - ORANGE (10)
303123-O	ALU SHIM 3x6x2.0MM - ORANGE (10)
334052	COMPOSITE BRAKE UPPER PLATE
341103	CHASSIS 5MM - CNC MACHINED - SWISS 7075 T6
342070	COMPOSITE SET OF BUSHINGS (2)
342316	COMPOSITE REAR UPPER SUSP. ECCENTRIC BUSHING (4)
342317	COMPOSITE REAR LOWER SUSP. ECCENTRIC BUSHING (4)
343014	ALU LOWER BULKHEAD REAR - SWISS 7075 T6 - RIGHT
343024	ALU LOWER BULKHEAD REAR - SWISS 7075 T6 - LEFT
343040	GRAPHITE REAR UPPER ARM HOLDER 3.5MM - FRONT
343041	GRAPHITE REAR UPPER ARM HOLDER 3.5MM - REAR
343045	ALU UPPER CLAMP REAR - SWISS 7075 T6 - (L+R)
343069	STEEL BUSHING (2)
343071	BELT TENSIONER SET - STEEL
343083	GRAPHITE SHOCK TOWER REAR
343710	ALU REAR LOWER SUSPENSION HOLDER - FRONT - RF
343720	ALU REAR LOWER SUSPENSION HOLDER - REAR - RR
344010	ALU BRAKE STAND - SWISS 7075 T6 - SET
344020	ALU 2-SPEED HOLDER - SWISS 7075 T6 - SET
344042	BRAKE CAM POST - STEEL
344110	VENTILATED BRAKE DISC - PRECISION-GROUND
344130	BRAKE PAD SET
344142	BRAKE DISK ADAPTER - SWISS 7075 T6 - BLACK HARDCOATED
345320	REAR DRIVE SHAFT 61MM - HUDY SPRING STEEL™
345450	PUR® REINFORCED DRIVE BELT REAR 8.0 x 204 MM
345510	2-SPEED SHAFT 8MM - SUPER LIGHTWEIGHT - HUDY SPRING STEEL™
345820	COMPOSITE 2-SPEED BELT PULLEY 20T - CENTER
347310	REAR LOWER INNER PIVOT PIN (2)
347322	REAR UPPER INNER PIVOT PIN WITH FLAT SPOT (2)
352070	COMPOSITE BEARING HUB FOR DIFF (4)
345581	GEAR BOX SPRING C=13.0 (2)
901303	HEX SCREW SB M3x3 (10)
901405	HEX SCREW SB M4x5 (10)
902308	HEX SCREW SH M3x8 (10)
902310	HEX SCREW SH M3x10 (10)
902314	HEX SCREW SH M3x14 (10)
902325	HEX SCREW SH M3x25 (10)
903308	HEX SCREW SFH M3x8 (10)
903310	HEX SCREW SFH M3x10 (10)
903408	HEX SCREW SFH M4x8 (10)
940508	HIGH-SPEED BALL-BEARING 5x8x2.5 RUBBER SEALED (2)
940815	HIGH-SPEED BALL-BEARING 8x14x4 RUBBER SEALED (2)
941218	HIGH-SPEED BALL-BEARING 12x18x4 RUBBER SEALED (2)
965090	E-CLIP 9 (10)
981208	PIN 2x8 (10)

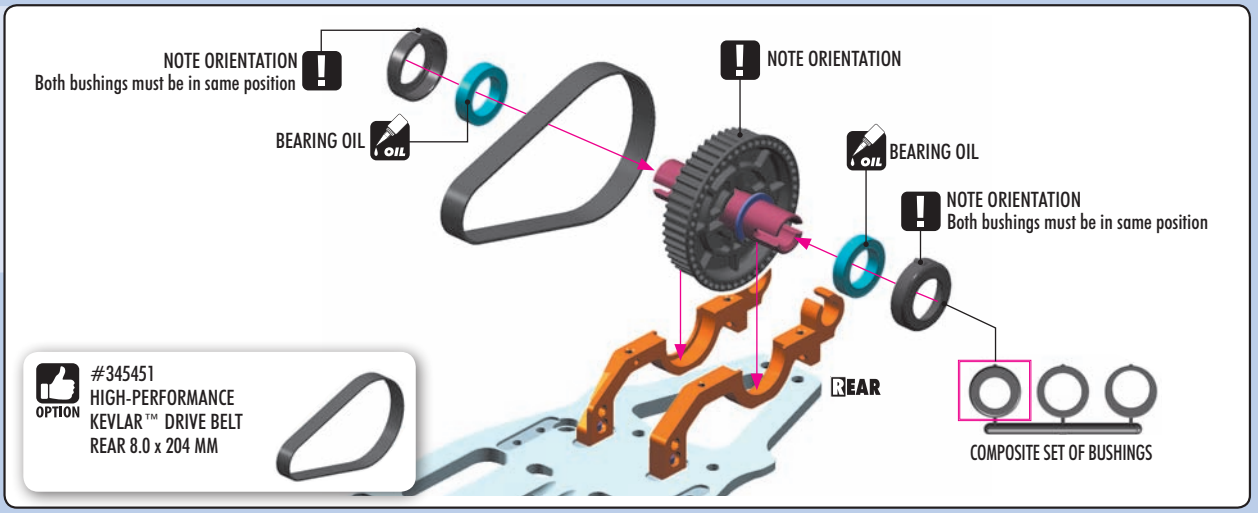


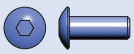
903408
SFH M4x8



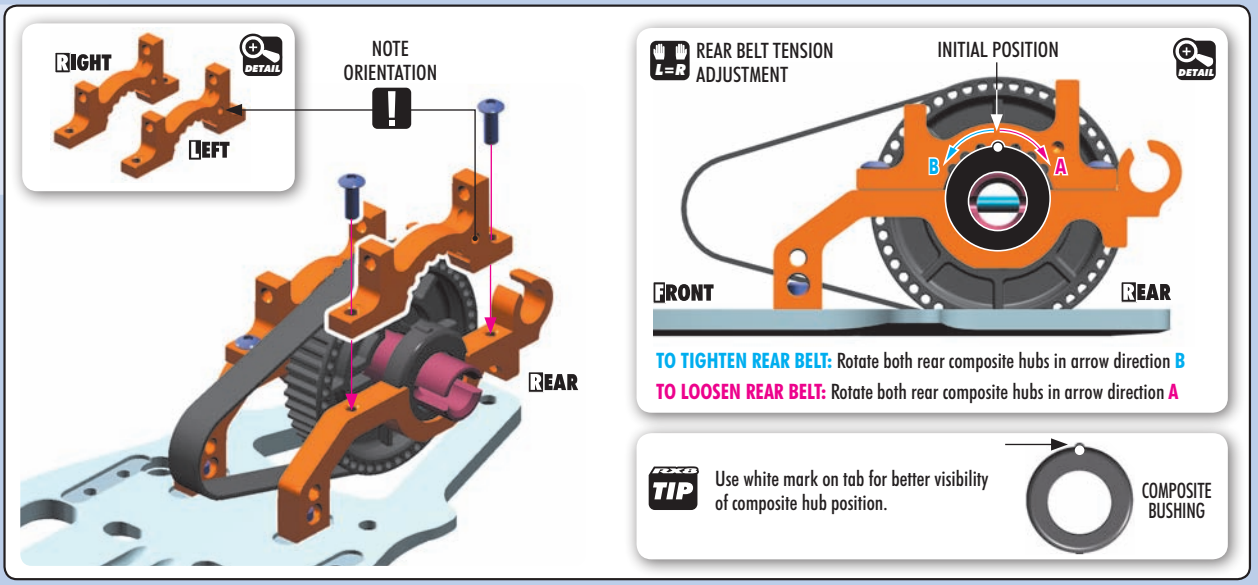


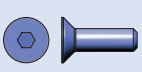
941218
BB 12x18x4



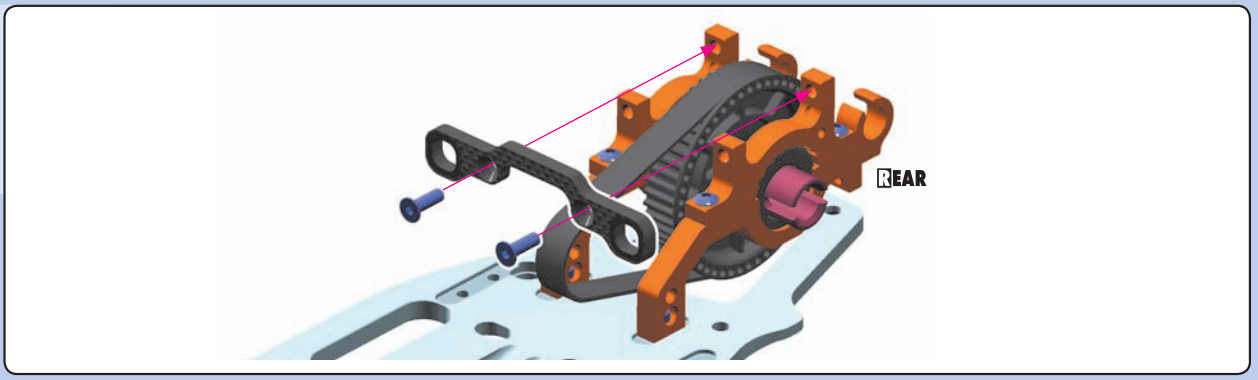


902308
SH M3x8

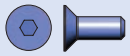




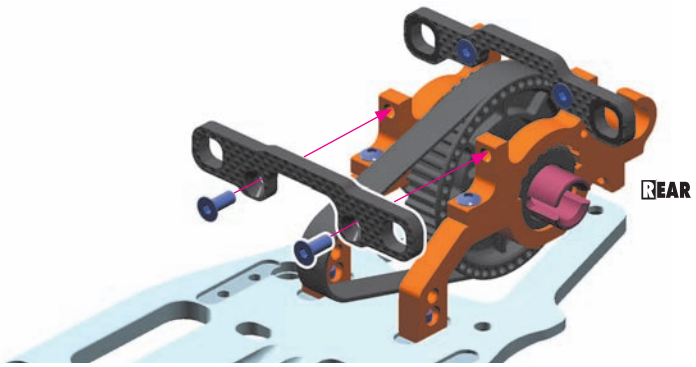
903310
SFH M3x10

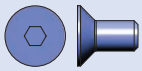


2. REAR SUSPENSION



903308
SFH M3x8





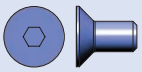
903408
SFH M4x8

NOTE

The upper roll center positions cannot be used. Use always low or medium roll center positions only.

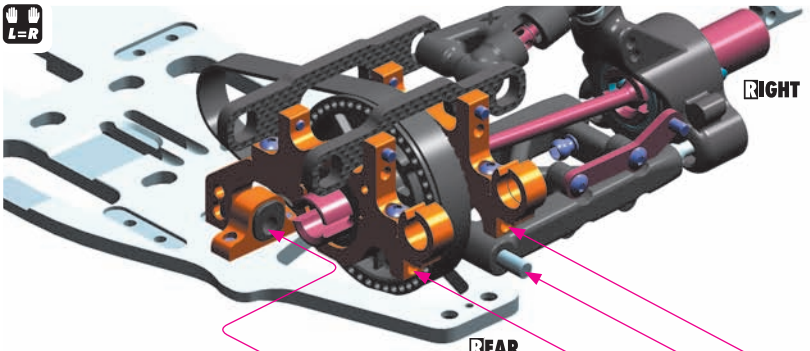
INITIAL SETTING

902310
SH M3x10

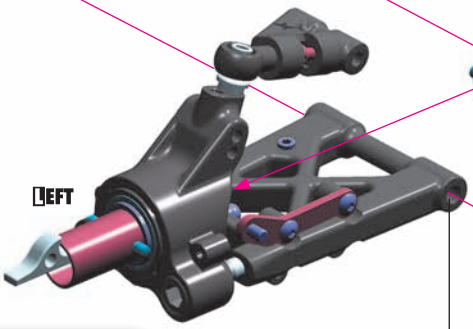


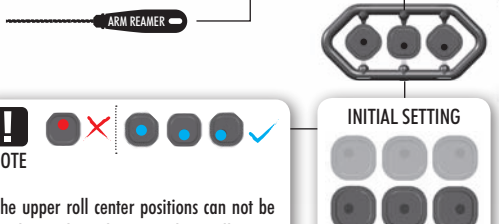
903408
SFH M4x8

L=R



OPTION
#345301
REAR CVD DRIVE SHAFT SET - HUDY SPRING STEEL™



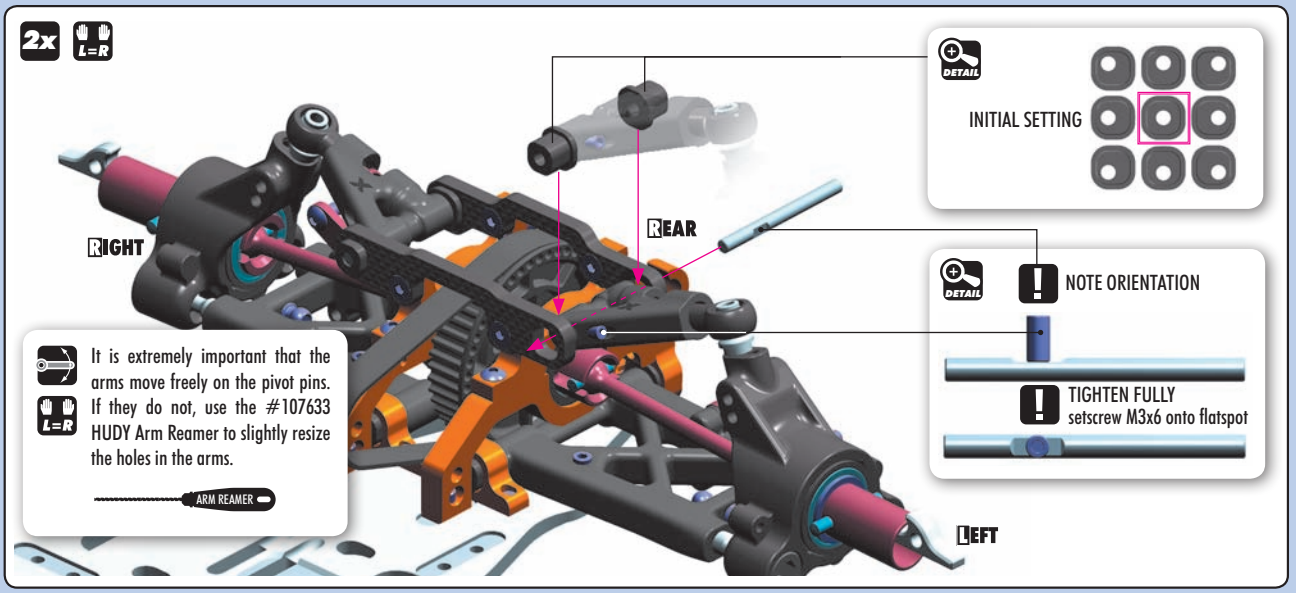


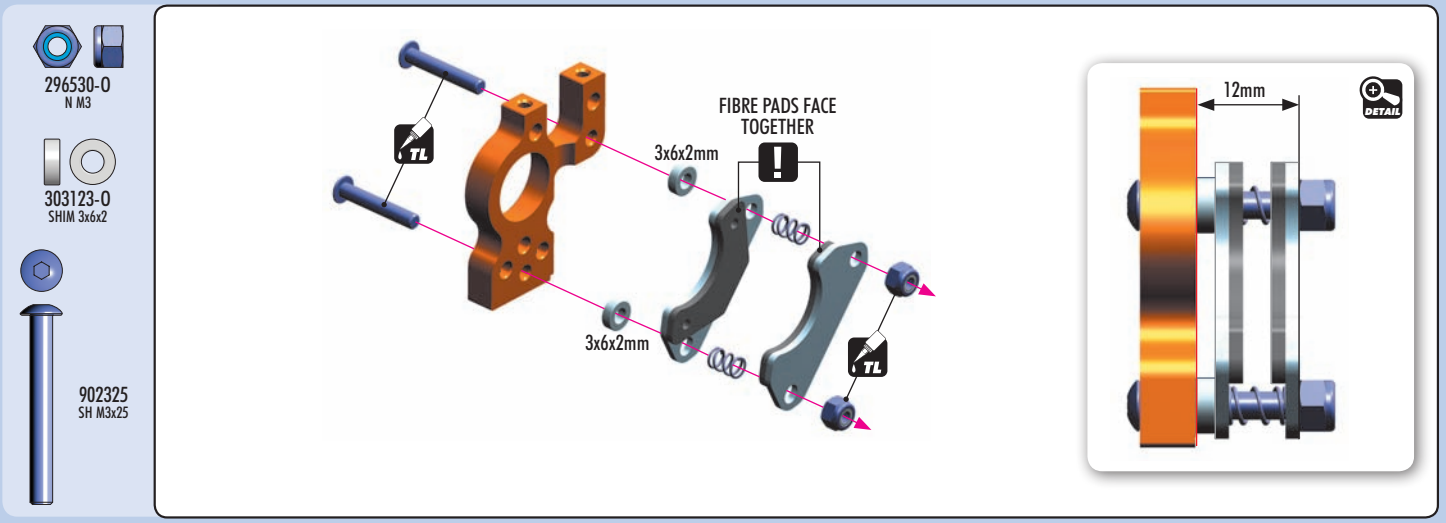
It is extremely important that the arms move freely on the pivot pins. If they do not, use the #107634 HUDY Arm Reamer to slightly resize the holes in the arms.

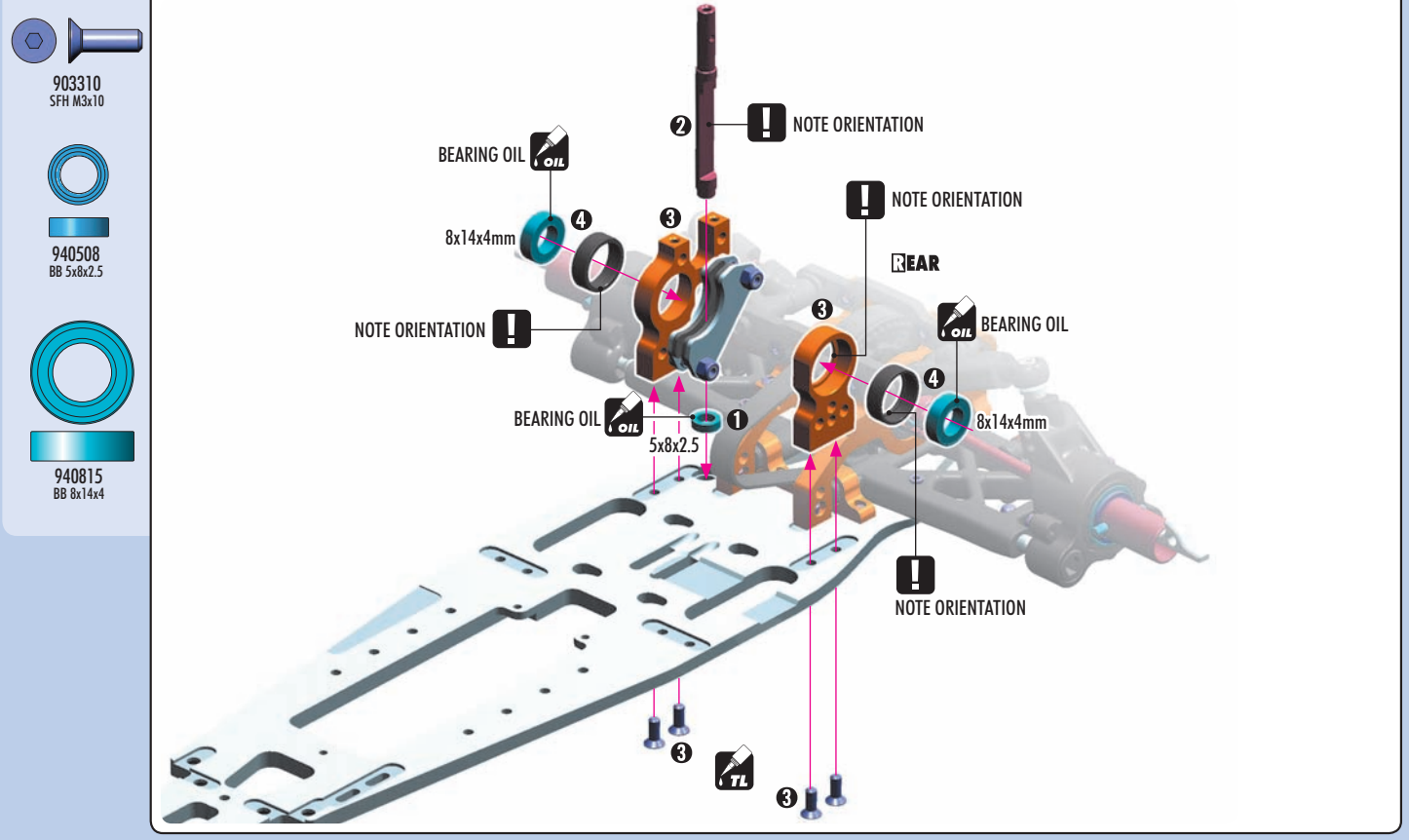
NOTE

The upper roll center positions can not be used. Use always low or medium roll center positions only.

INITIAL SETTING

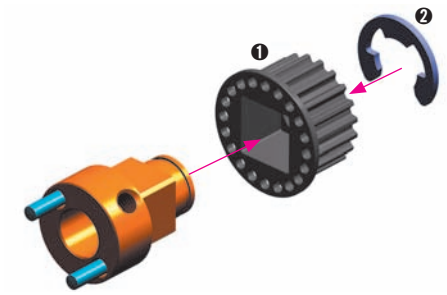

2x
L=R
RIGHT
REAR
LEFT
DETAIL
INITIAL SETTING
NOTE ORIENTATION
TIGHTEN FULLY
setscrew M3x6 onto flatspot
It is extremely important that the arms move freely on the pivot pins. If they do not, use the #107633 HUDY Arm Reamer to slightly resize the holes in the arms.
ARM REAMER

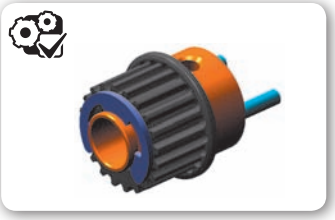

296530-0
N M3
303123-0
SHIM 3x6x2
902325
SH M3x25
TL
FIBRE PADS FACE TOGETHER
3x6x2mm
3x6x2mm
12mm
DETAIL


903310
SFH M3x10
940508
BB 5x8x2.5
940815
BB 8x14x4
NOTE ORIENTATION
BEARING OIL
8x14x4mm
NOTE ORIENTATION
NOTE ORIENTATION
REAR
BEARING OIL
BEARING OIL
5x8x2.5
8x14x4mm
NOTE ORIENTATION
TL

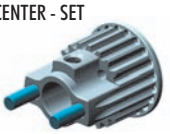
2. REAR SUSPENSION

965070
C7

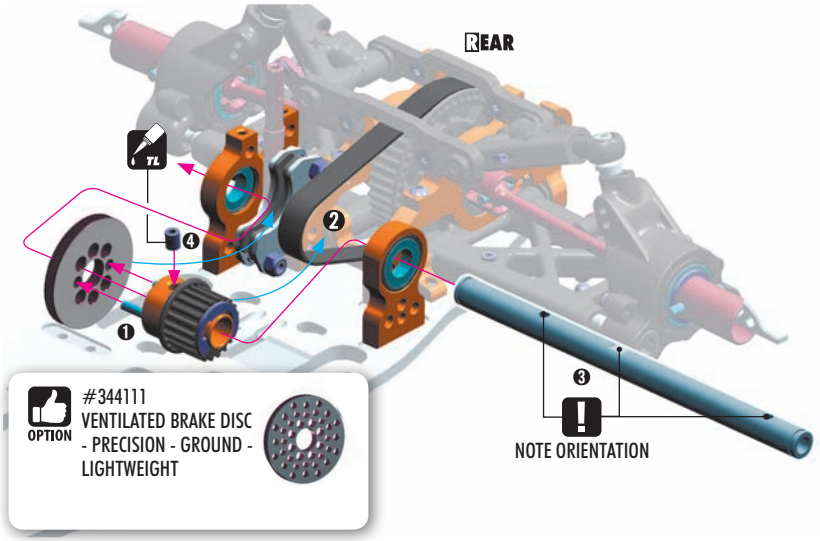




OPTION #345920
ALU 2-SPEED BELT PULLEY 20T
CENTER - SET

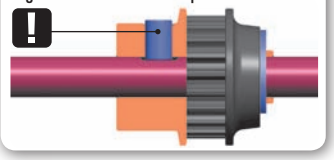


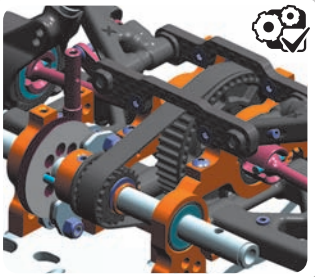
901405
SB M4x5



OPTION #344111
VENTILATED BRAKE DISC
- PRECISION - GROUND -
LIGHTWEIGHT

STEP 4 DETAIL
Tighten setscrew onto flat spot



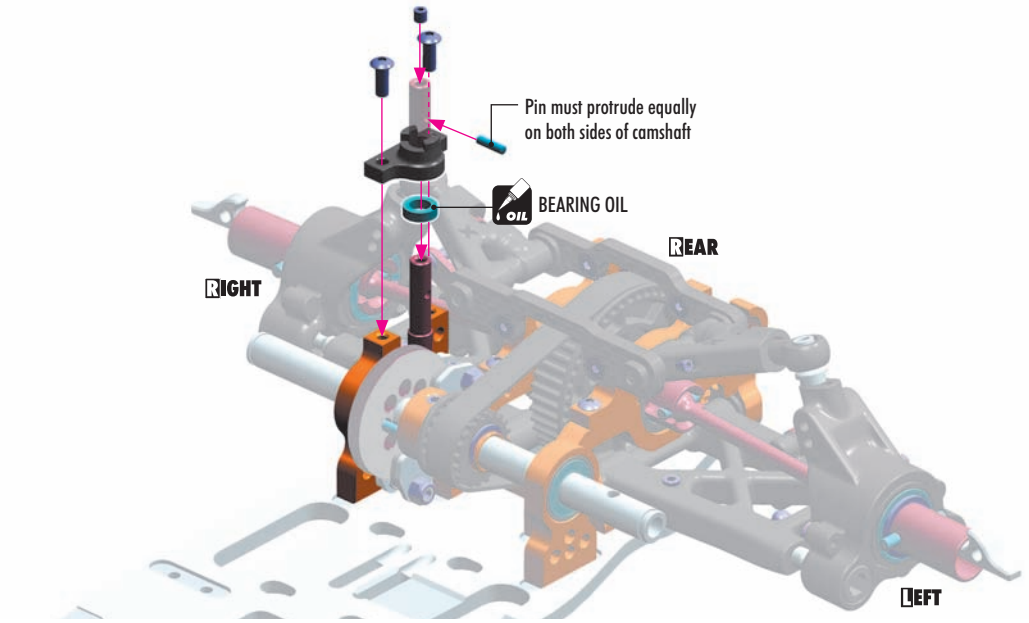


901303
SB M3x3

902308
SH M3x8

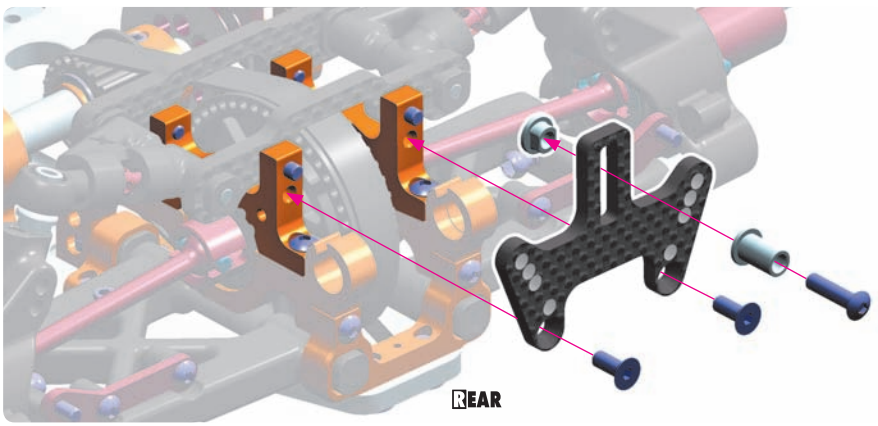
940508
BB 5x8x2.5

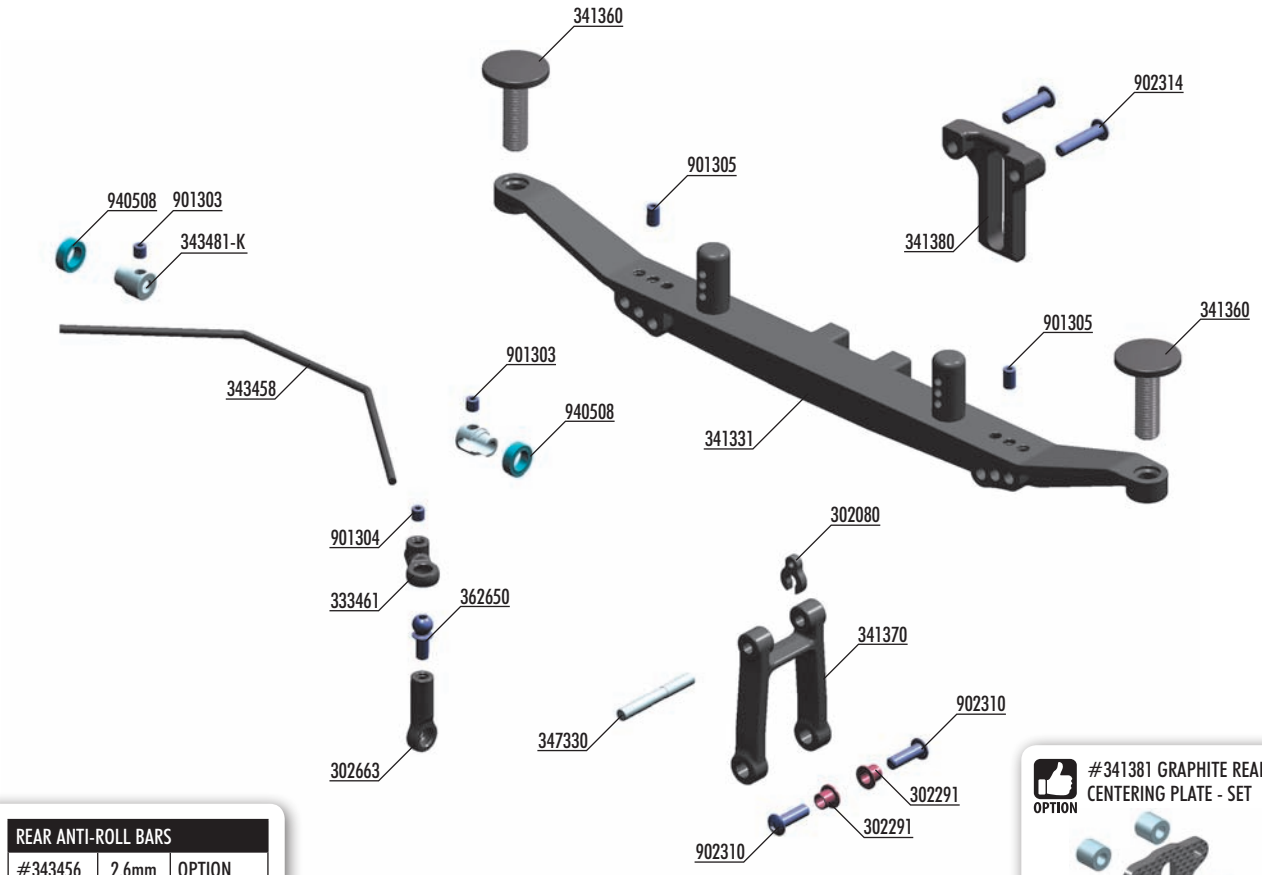
981208
P 2x8



902314
SH M3x14

903308
SFH M3x8

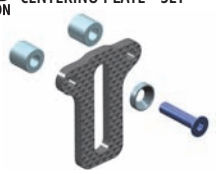




OPTION

REAR ANTI-ROLL BARS		
#343456	2.6mm	OPTION
#343458	2.8mm	INCLUDED
#343460	3.0mm	OPTION

OPTION #341381 GRAPHITE REAR BODY CENTERING PLATE - SET

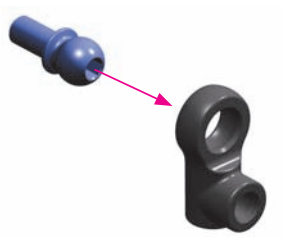


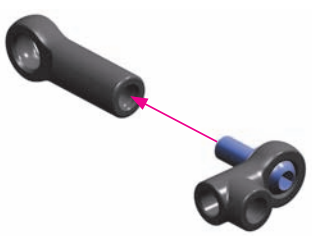
BAG 02.3

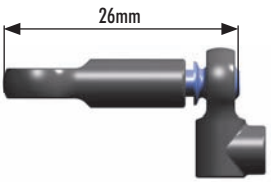
302080	CASTER CLIPS SET 4+3+2+1 MM (2)
302291	STEEL STEERING BUSHING (2+2)
302663	COMPOSITE BALL JOINT 4.9MM - OPEN - V2 (8)
333461	COMPOSITE ANTI-ROLL BAR BALL JOINT 4.9 MM (4)
341331	COMPOSITE REAR BODY HOLDER - HIGHER
341360	COMPOSITE REAR BODY HOLDER SCREW (2)
341370	COMPOSITE REAR BODY HOLDER ARM
341380	COMPOSITE REAR BODY CENTERING PLATE
341381	GRAPHITE REAR BODY CENTERING PLATE - SET (OPTION)
343456	ANTI-ROLL BAR REAR 2.6 MM (OPTION)
343458	ANTI-ROLL BAR REAR 2.8 MM
343460	ANTI-ROLL BAR REAR 3.0 MM (OPTION)
343481-K	ALU CUTTED ANTI-ROLL BAR COLLAR - BLACK (2)
347330	REAR BODY HOLDER ARM PIN (2)
362650	BALL END 4.9MM WITH THREAD 6MM (2)
940508	HIGH-SPEED BALL-BEARING 5x8x2.5 RUBBER SEALED (2)
901303	HEX SCREW SB M3x3 (10)
901304	HEX SCREW SB M3x4 (10)
901305	HEX SCREW SB M3x5 (10)
902310	HEX SCREW SH M3x10 (10)
902314	HEX SCREW SH M3x14 (10)

2x L=R

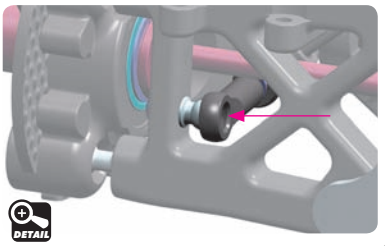
6mm THREAD







DETAIL

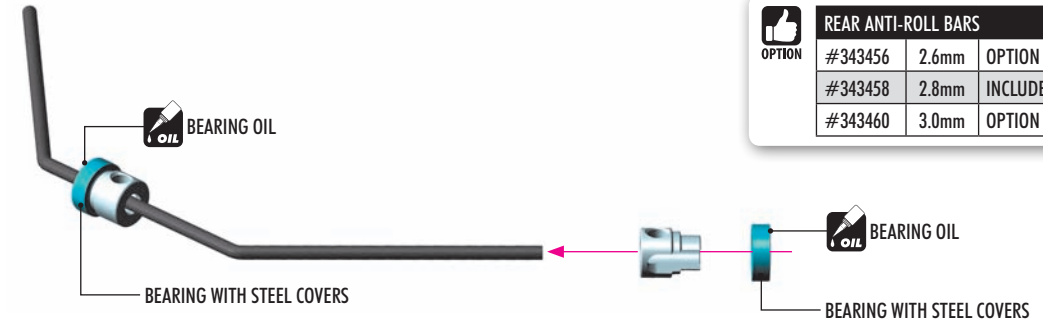


DETAIL

2. REAR SUSPENSION

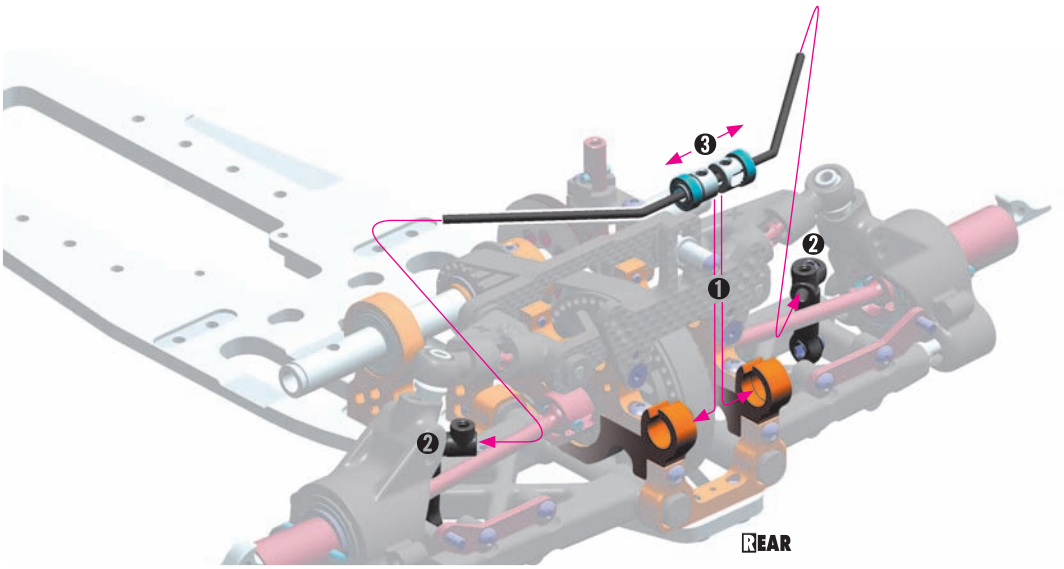
10

930508
BB 5x8x2.5



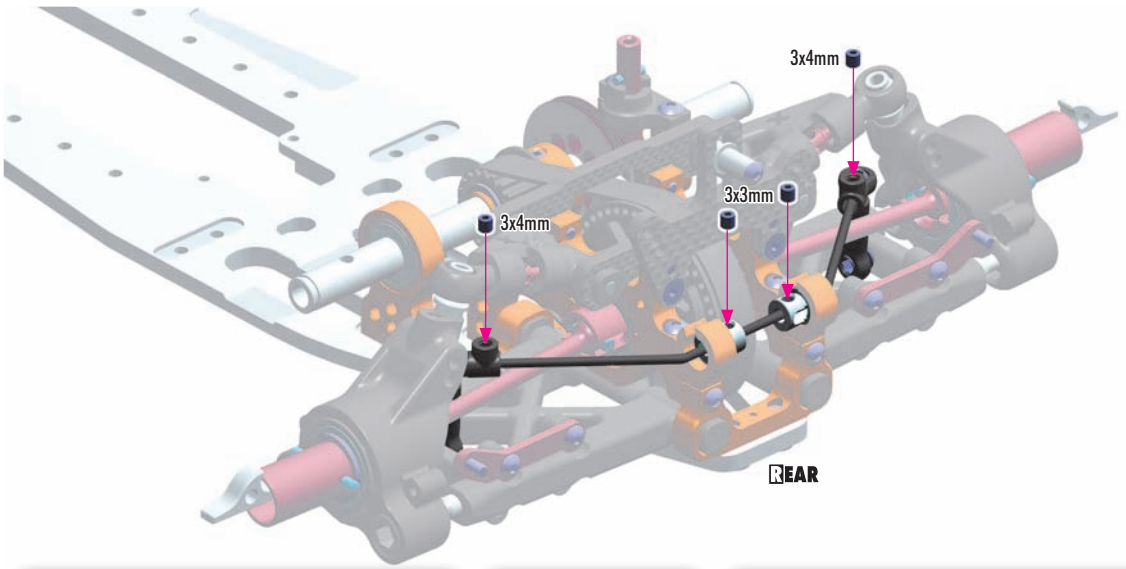
OPTION

REAR ANTI-ROLL BARS		
#343456	2.6mm	OPTION
#343458	2.8mm	INCLUDED
#343460	3.0mm	OPTION



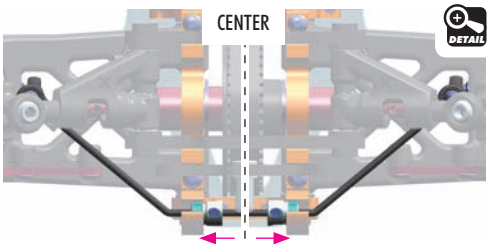
901303
SB M3x3

901304
SB M3x4



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.

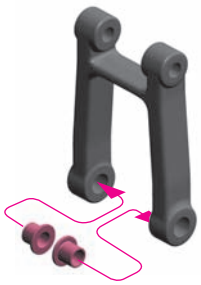
If the sides still do not move at the same time, adjust the length of the bar holders.

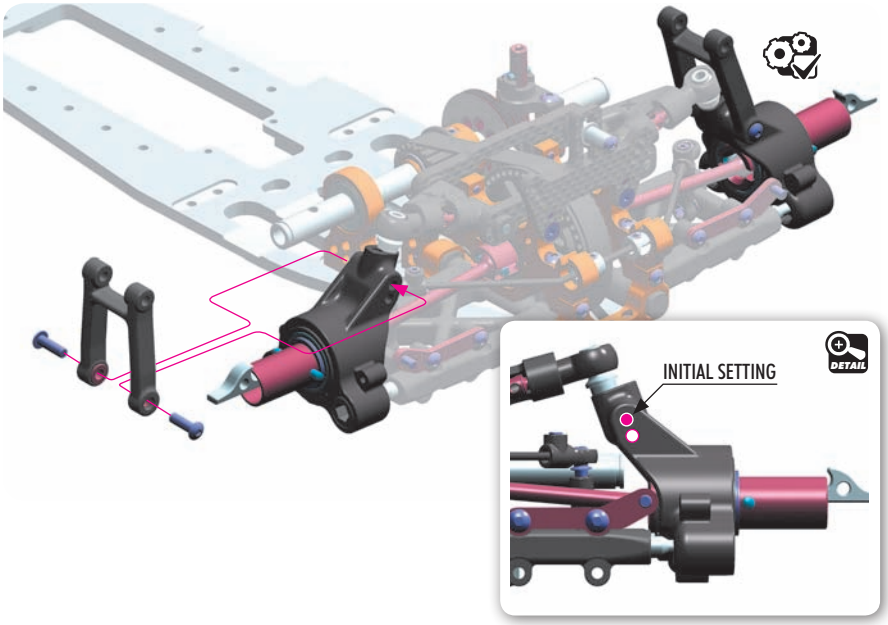


Set the bar into the center, remove the play in the bushings, and tighten the setscrews fully.

REAR

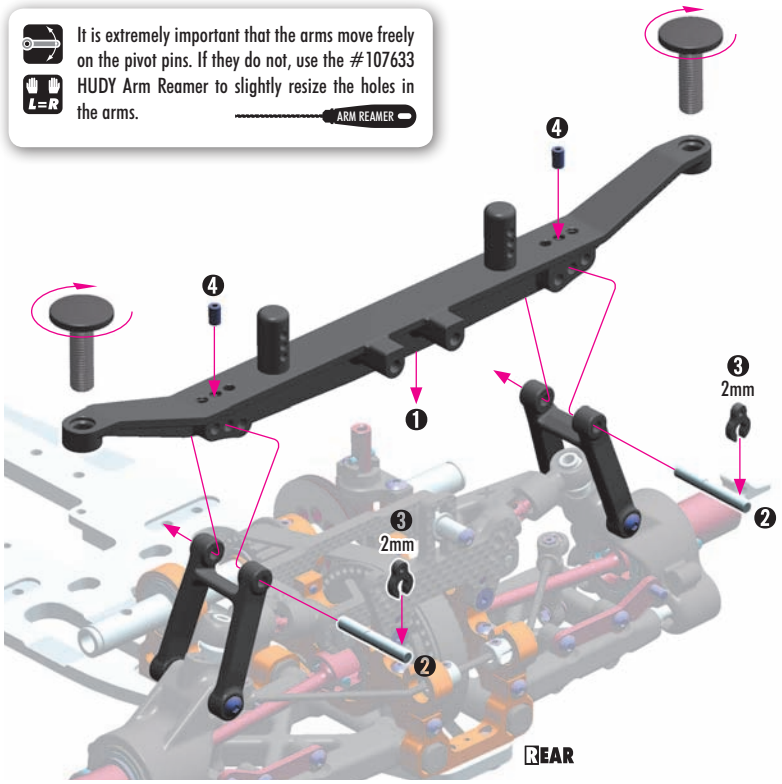
902310
SH M3x10

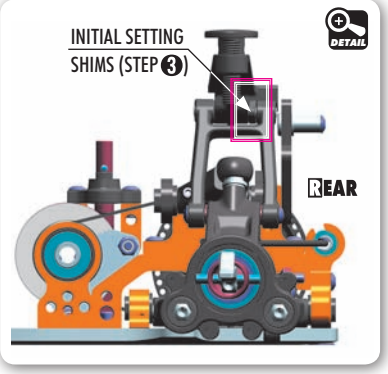


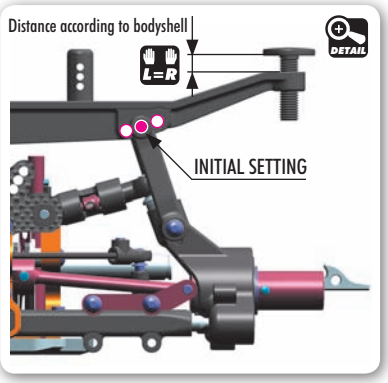


901305
SB M3x5

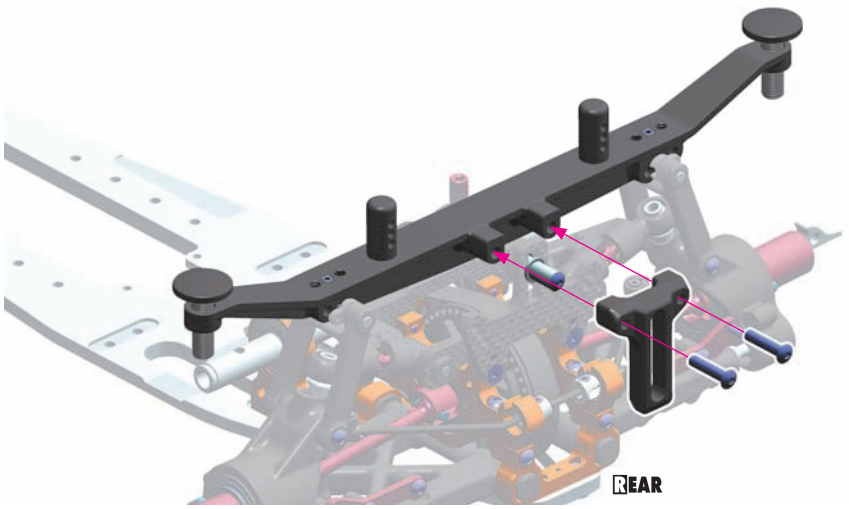
It is extremely important that the arms move freely on the pivot pins. If they do not, use the #107633 HUDY Arm Reamer to slightly resize the holes in the arms.
ARM REAMER



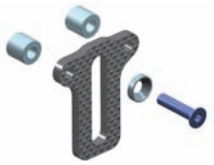




902314
SH M3x14



OPTION
#341381 GRAPHITE REAR BODY CENTERING PLATE - SET

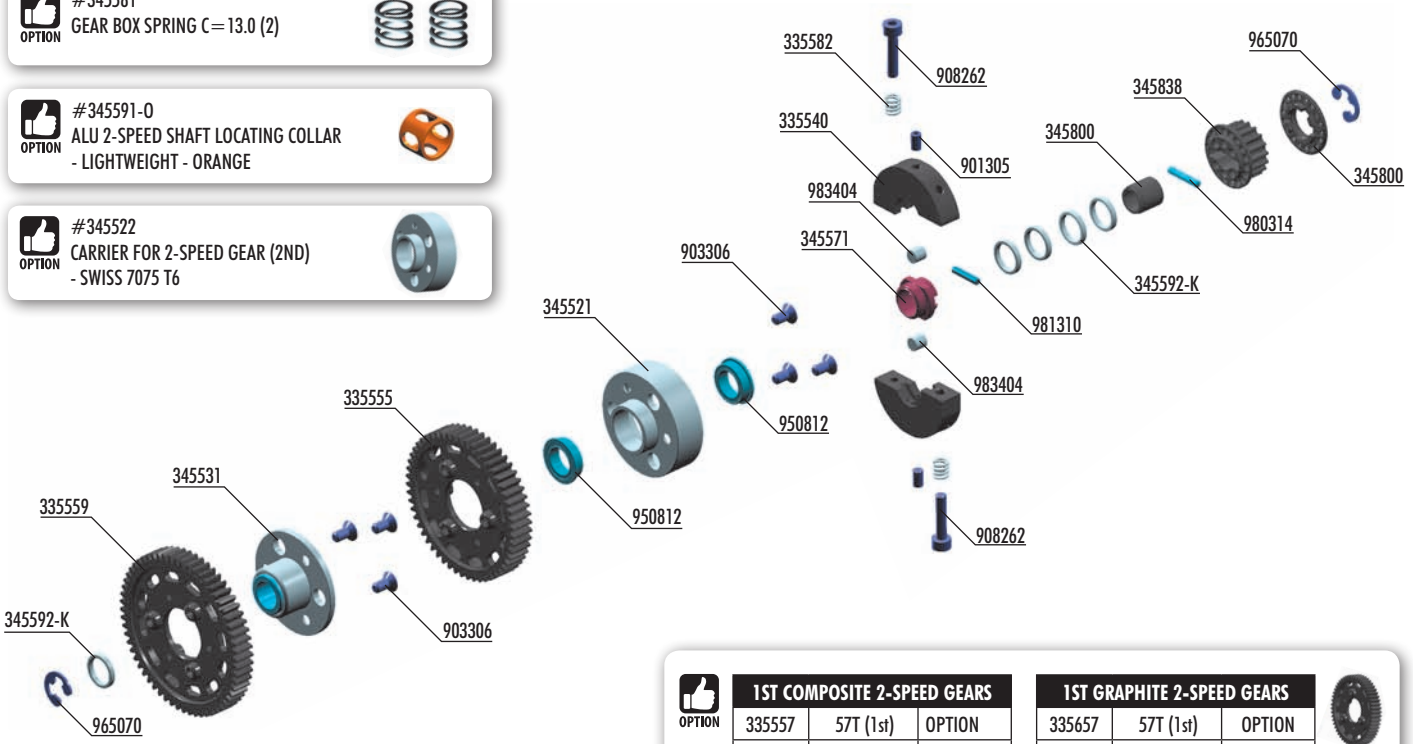


3. REAR TRANSMISSION

OPTION #345581
GEAR BOX SPRING C=13.0 (2)

OPTION #345591-O
ALU 2-SPEED SHAFT LOCATING COLLAR
- LIGHTWEIGHT - ORANGE

OPTION #345522
CARRIER FOR 2-SPEED GEAR (2ND)
- SWISS 7075 T6



OPTION

1ST COMPOSITE 2-SPEED GEARS		
335557	57T (1st)	OPTION
335558	58T (1st)	OPTION
335559	59T (1st)	INCLUDED
335560	60T (1st)	OPTION

1ST GRAPHITE 2-SPEED GEARS		
335657	57T (1st)	OPTION
335658	58T (1st)	OPTION
335659	59T (1st)	OPTION
335660	60T (1st)	OPTION

OPTION

2ND COMPOSITE 2-SPEED GEARS		
335553	53T (2nd)	OPTION
335554	54T (2nd)	OPTION
335555	55T (2nd)	INCLUDED

2ND GRAPHITE 2-SPEED GEARS		
335653	53T (2nd)	OPTION
335654	54T (2nd)	OPTION
335655	55T (2nd)	OPTION

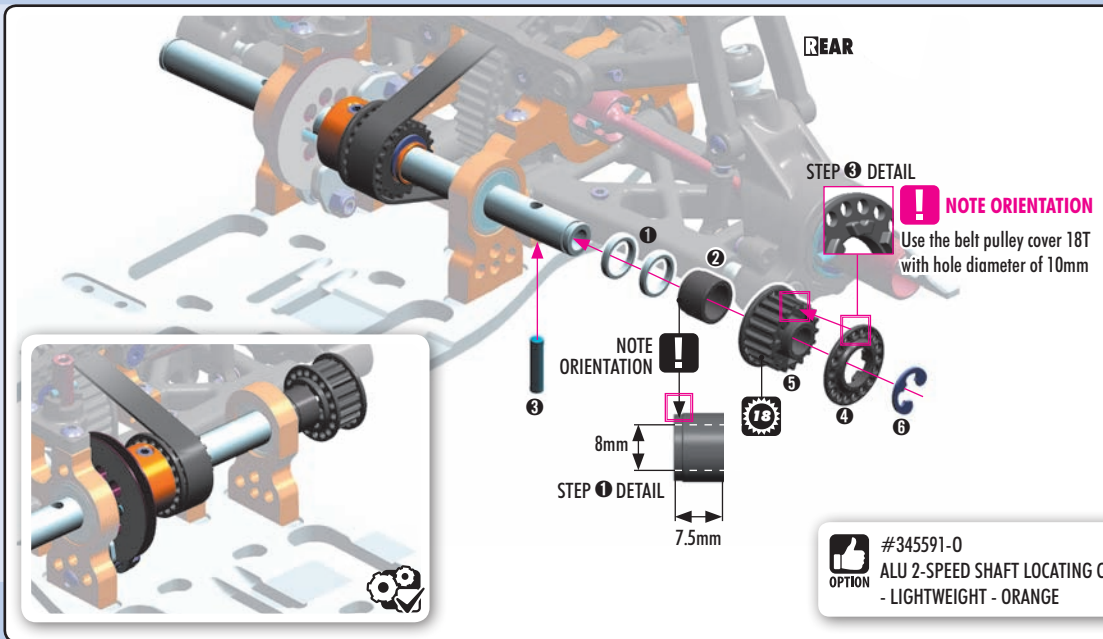
BAG 03

335540 COMPOSITE 2-SPEED GEAR BOX SHOE SET
335555 COMPOSITE 2-SPEED GEAR 55T (2nd) - V3
335559 COMPOSITE 2-SPEED GEAR 59T (1st)
335582 SPRING FOR GEAR BOX - HARD (2)
345521 CARRIER FOR 2-SPEED GEAR (2nd) - SMALL - SWISS 7075 T6
345531 ALU DRIVE FLANGE WITH ONE-WAY BEARING - SMALL - 7075 T6
345571 ADAPTER 2-SPEED SMALL
345592-K ALU 2-SPEED SHAFT SHIM - BLACK (2)
345800 COMPOSITE BELT PULLEY COVER SET
345838 COMPOSITE SIDE BELT PULLEY 18T o8 - REAR
901305 HEX SCREW SB M3x5 (10)
908262 HEX SCREW SOCKET HEAD CAP M2.5x12 (10)
903306 HEX SCREW SFH M3x6 (10)
950812 BALL-BEARING 8x12x3.5 FLANGED (2)
965070 E-CLIP 7 (10)
980314 PIN 3x14 (10)
981310 PIN 3x10 (10)
983404 ROLLER PIN 4x4 MM (2)


345592-K
SHIM 8x10x1.5

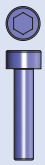

965070
C7


980314
P 3x14

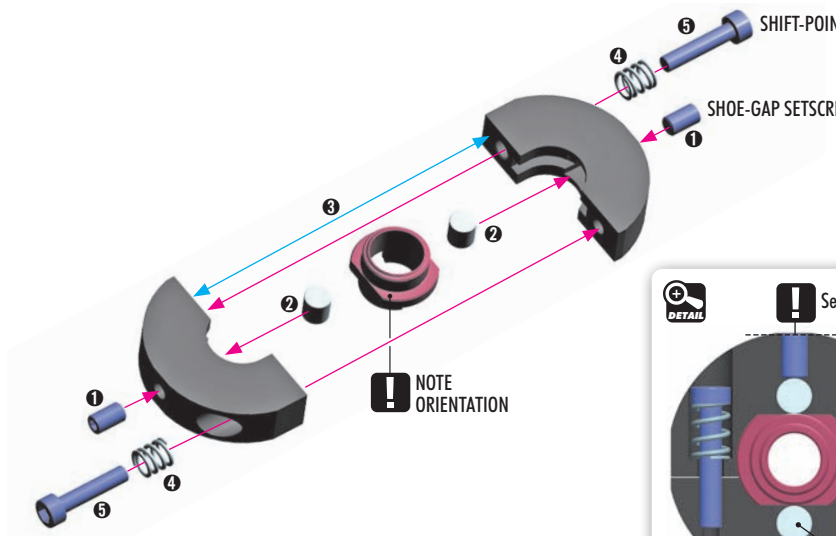


OPTION #345591-O
ALU 2-SPEED SHAFT LOCATING COLLAR
- LIGHTWEIGHT - ORANGE


901305
SB M3x5

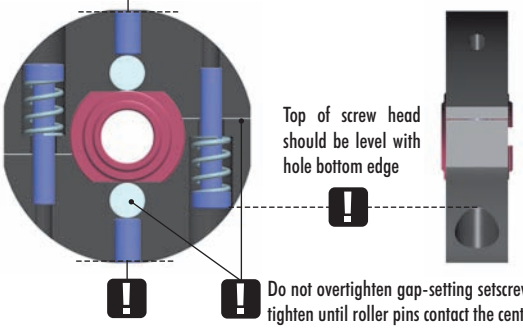

908262
SCH M2.5x12


983404
RP 4x4



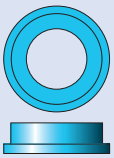
TIP Use white paint to color the top of ONE screw head. This will allow you to identify the two different screws - one white, one dark - when you are adjusting the shift point.

DETAIL

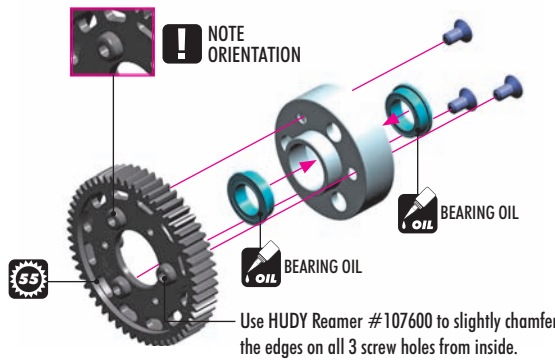


OPTION #345581
GEAR BOX SPRING C=13.0 (2)


903306
SFH M3x6

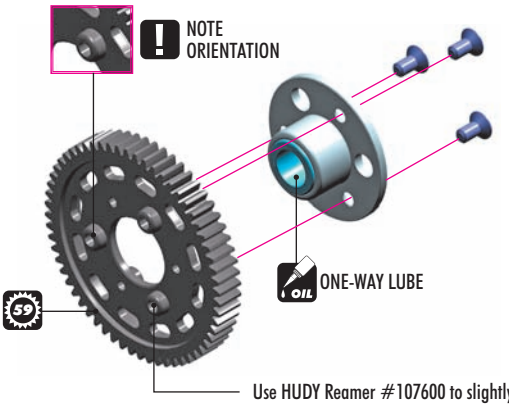

950812
BB 8x12x4

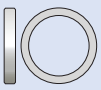
2ND GEAR



OPTION #345522
CARRIER FOR 2-SPEED GEAR (2ND) - SWISS 7075 T6

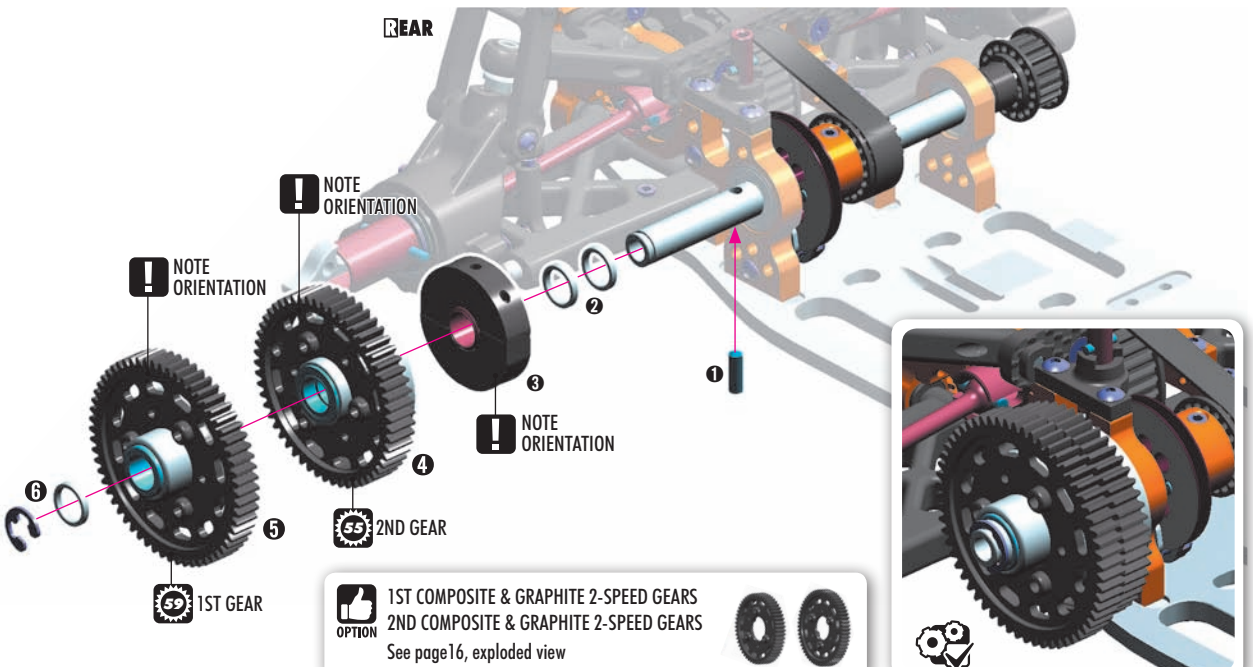
1ST GEAR




345592-K
SHIM 8x10x1.5

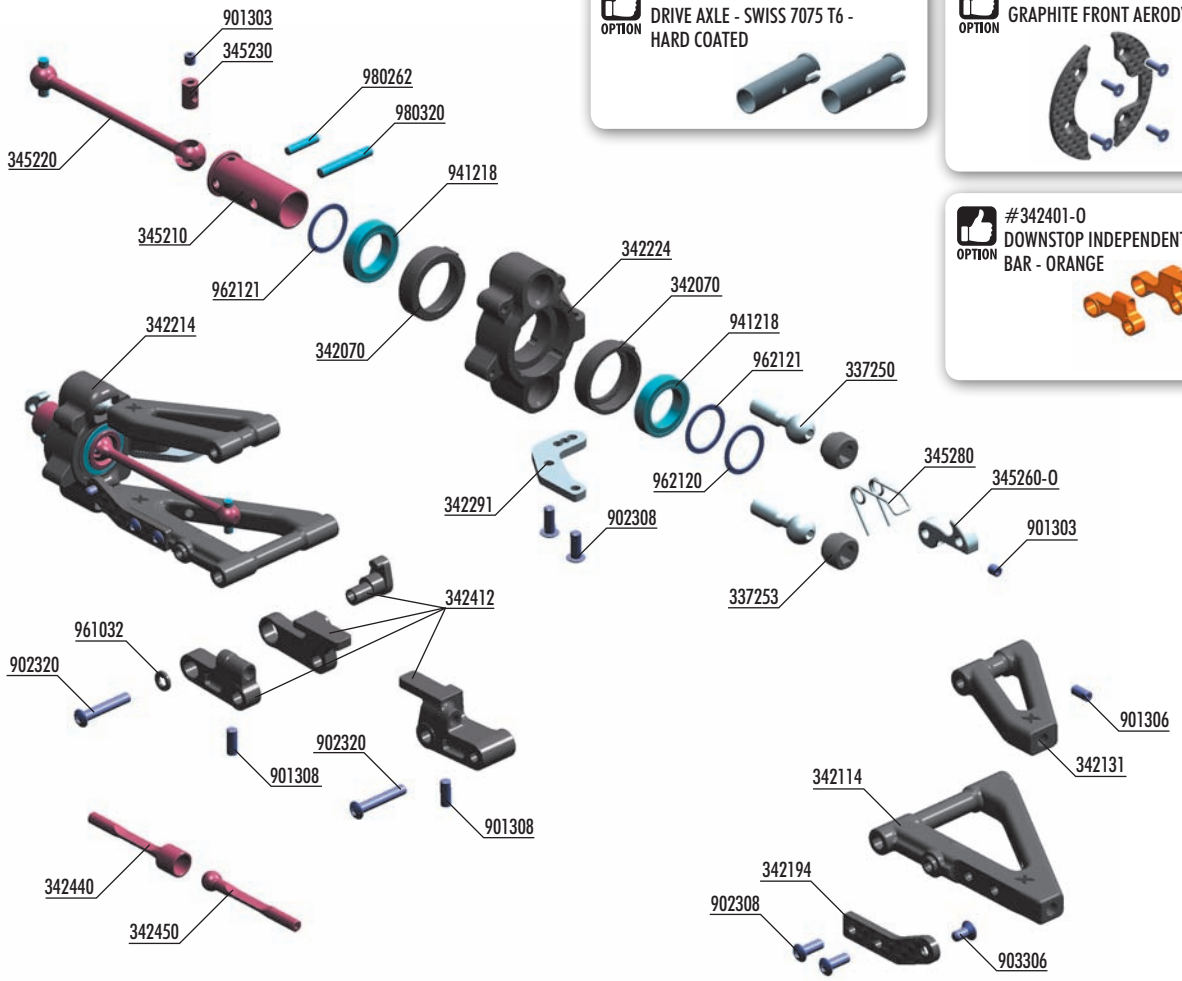

965070
C7


981310
P 3x10



OPTION 1ST COMPOSITE & GRAPHITE 2-SPEED GEARS
2ND COMPOSITE & GRAPHITE 2-SPEED GEARS
See page16, exploded view

4. FRONT SUSPENSION



OPTION #345212 ALU FRONT CVD DRIVE AXLE - SWISS 7075 T6 - HARD COATED

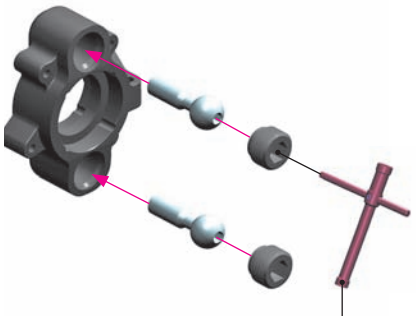
OPTION #345270 GRAPHITE FRONT AERODYNAMIC DISC 1.6mm - SET

OPTION #342401-O DOWNSTOP INDEPENDENT ALU FRONT ANTI-ROLL BAR - ORANGE

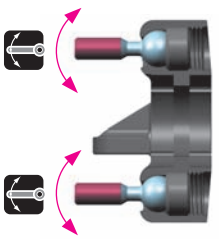
BAG 04.1

337250	STEEL PIVOT BALL 8.4 MM (2)	345270	GRAPHITE FRONT AERODYNAMIC DISC 1.6MM - SET (OPTION)
337253	COMPOSITE ADJUSTING NUT M10x1 (4)	345280	WHEEL SPRING (2)
342070	COMPOSITE SET OF BUSHINGS (2)		
342114	SUSPENSION ARM FOR WIRE ANTI-ROLL BAR - FRONT	941218	HIGH-SPEED BALL-BEARING 12x18x4 RUBBER SEALED (2)
342131	COMPOSITE SUSPENSION ARM FRONT UPPER - SHORT	901303	HEX SCREW SB M3x3 (10)
342194	GRAPHITE EXTENSION FOR SUSPENSION ARM - FRONT LOWER (L+R)	901306	HEX SCREW SB M3x6 (10)
342214	COMPOSITE STEERING BLOCK FOR AERO DISC - RIGHT	901308	HEX SCREW SB M3x8 (10)
342224	COMPOSITE STEERING BLOCK FOR AERO DISC - LEFT	902308	HEX SCREW SH M3x8 (10)
342291	ALU EXTENSION FOR STEERING BLOCK - SWISS 7075 T6 (2)	902320	HEX SCREW SH M3x20 (10)
342412	COMPOSITE FRONT ANTI-ROLL BAR HOLDERS	903306	HEX SCREW SFH M3x6 (10)
342440	ANTI-ROLL BAR FRONT FEMALE - HUDY SPRING STEEL™	961032	WASHER S 3.2 (10)
342450	ANTI-ROLL BAR FRONT MALE - HUDY SPRING STEEL™	962120	WASHER S 12x15x0.5 (10)
345210	FRONT WHEEL AXLE - HUDY SPRING STEEL™	962121	WASHER S 12x15x1.0 (10)
345220	FRONT CVD DRIVE SHAFT 71MM - HUDY SPRING STEEL™	980262	PIN 2.5x12 (10)
345230	DRIVE SHAFT COUPLING - HUDY SPRING STEEL™	980320	PIN 3x20 (10)
345260-O	ALU FRONT WHEEL LOCK - SWISS 7075 T6 - ORANGE (2)		

2x L=R



Tighten the composite hex nuts using HUDY tool #107581 TIP



PIVOT BALLS MUST MOVE FREELY

During initial assembly, tighten each composite hex nut until the pivot ball starts to bind, then loosen slightly. Verify that the pivot balls move freely.

OPTION

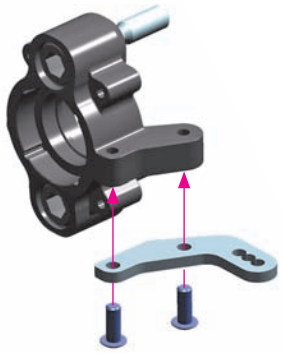
ADJUSTING NUT		
#337253	COMPOSITE	INCLUDED
#337252	ALU	OPTION

OPTION

PIVOT BALLS		
#337250	STEEL	INCLUDED
#337251	ALU	OPTION
#337255	TITAN	OPTION

902308
SH M3x8

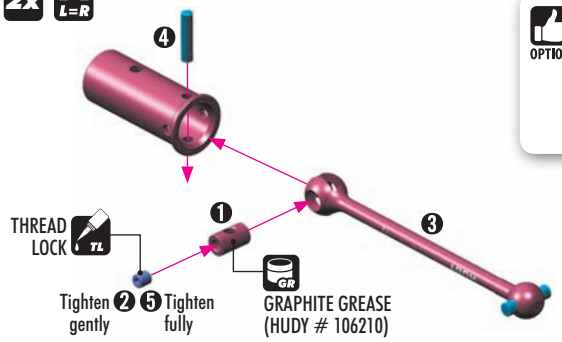
2x L=R



901303
SB M3x3

980262
P 2.5x12

2x L=R



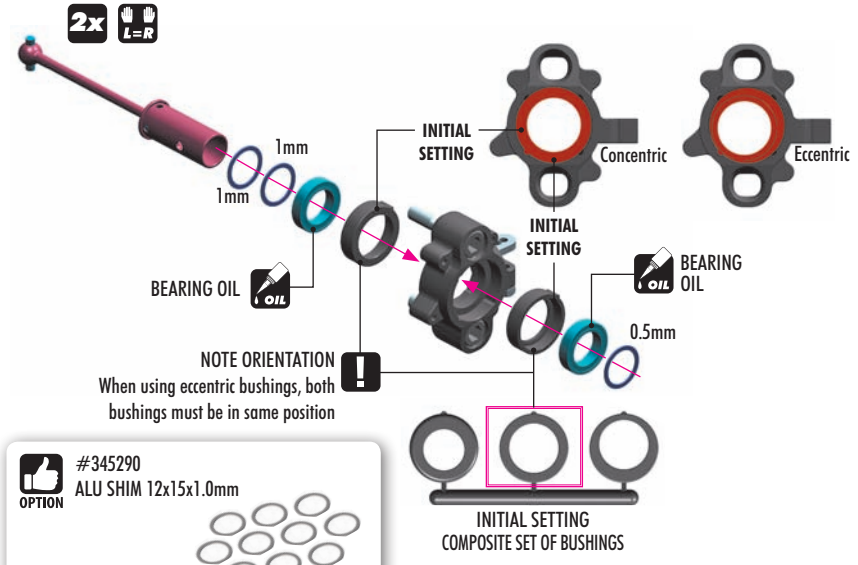
OPTION
#345212 ALU FRONT CVD DRIVE AXLE - SWISS 7075 T6 - HARD COATED

941218
BB 12x18x4

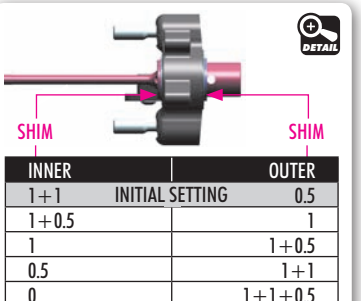
962121
S 12x15x1.0

962120
S 12x15x0.5

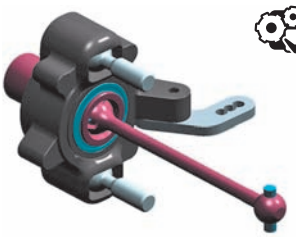
2x L=R



OPTION
#345290
ALU SHIM 12x15x1.0mm



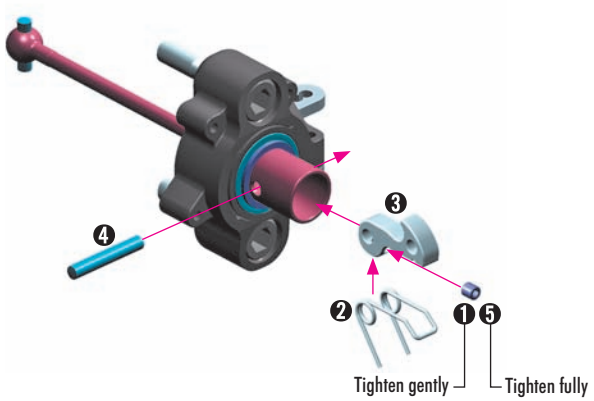
INNER		OUTER
1+1	INITIAL SETTING	0.5
1+0.5		1
1		1+0.5
0.5		1+1
0		1+1+0.5

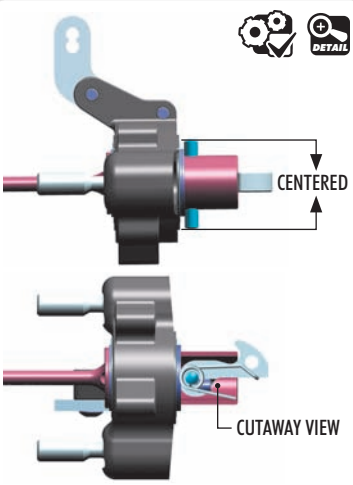


901303
SB M3x3

980320
P 3x20

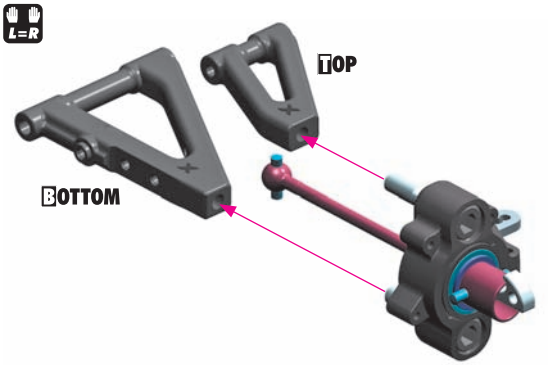
2x L=R

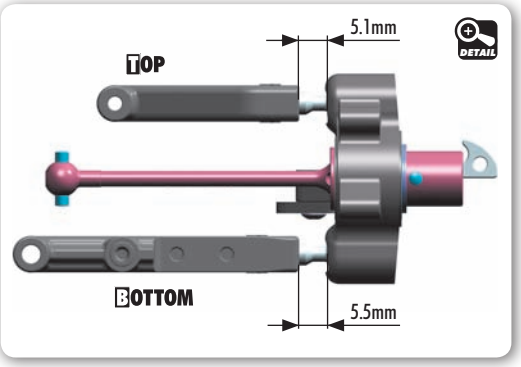




4. FRONT SUSPENSION

2x L=R

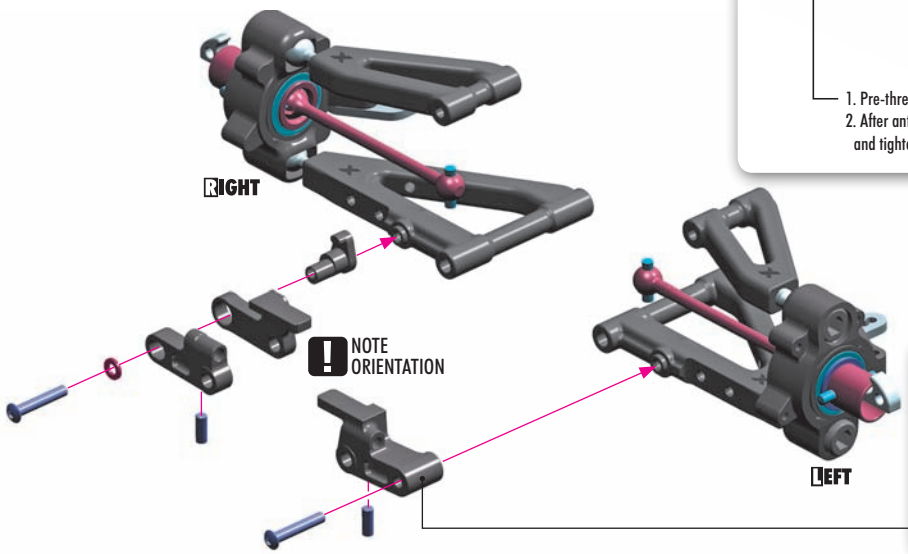




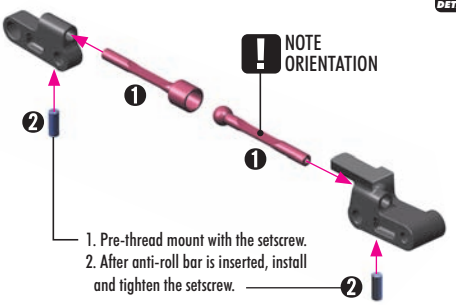
901308
SB M3x8

902320
SH M3x20

961032
S 3.2



ALTERNATIVE 2: BLADE ANTI-ROLL BAR

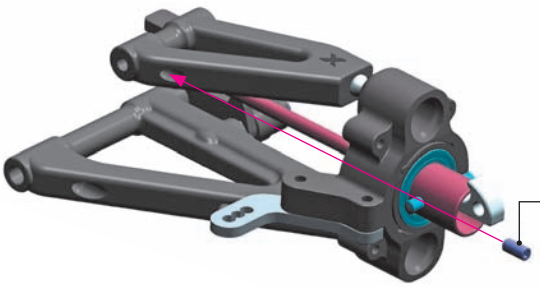


1. Pre-thread mount with the setscrew.
2. After anti-roll bar is inserted, install and tighten the setscrew.

OPTION
#342401-O
DOWNSTOP INDEPENDENT ALU FRONT ANTI-ROLL BAR - ORANGE

901306
SB M3x6

2x L=R

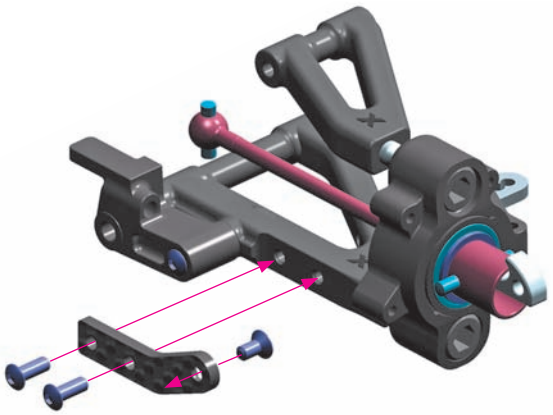


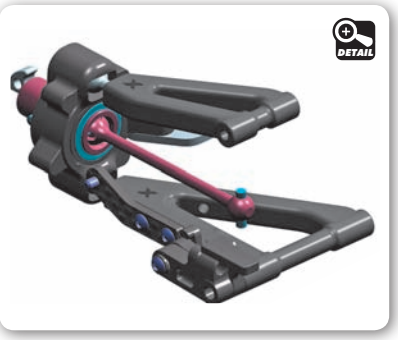
TIGHTEN GENTLY, tighten fully when the drive pins are assembled. Page 25, step 1

902308
SH M3x8

903306
SFH M3x6

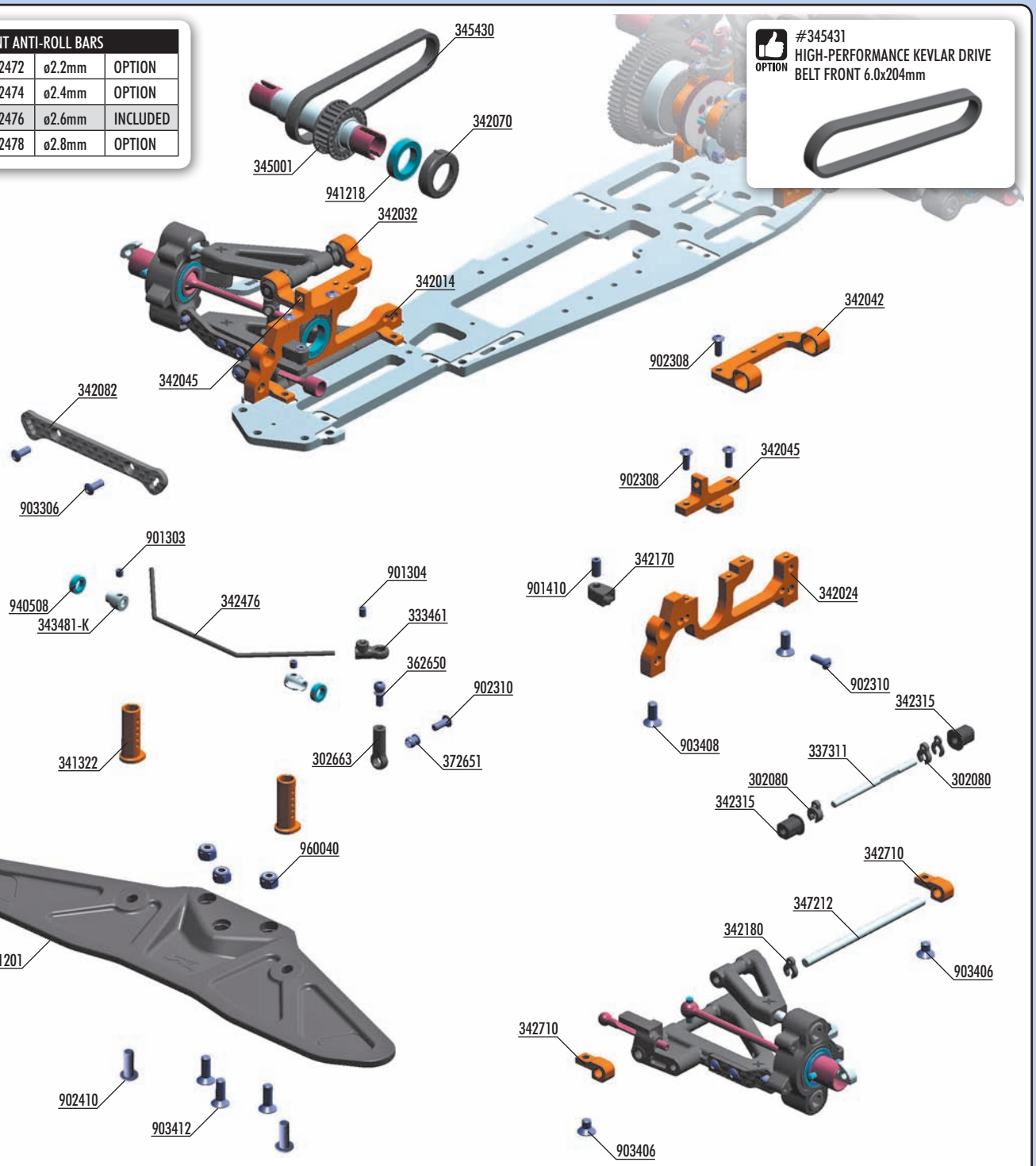
2x L=R





FRONT ANTI-ROLL BARS		
#342472	ø2.2mm	OPTION
#342474	ø2.4mm	OPTION
#342476	ø2.6mm	INCLUDED
#342478	ø2.8mm	OPTION

OPTION #345431 HIGH-PERFORMANCE KEVLAR DRIVE BELT FRONT 6.0x204mm



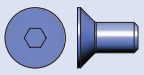
BAG 04.2

302080	COMPOSITE CASTER CLIPS SET 4+3+2+1 MM (2)
302663	COMPOSITE BALL JOINT 4.9MM - OPEN - V2 (8)
333461	COMPOSITE ANTI-ROLL BAR BALL JOINT 4.9 MM (4)
337311	PIVOT PIN WITH FLAT SPOT (2)
341201	COMPOSITE BUMPER - DOWNFORCE
341322	ALU FRONT BODY POST - SHORT - SWISS 7075 T6 (2)
342014	ALU LOWER BULKHEAD FRONT - SWISS 7075 T6 - RIGHT
342024	ALU LOWER BULKHEAD FRONT - SWISS 7075 T6 - LEFT
342032	ALU UPPER ARM HOLDER RIGHT - SWISS 7075 T6 - SET
342042	ALU UPPER ARM HOLDER LEFT - SWISS 7075 T6 - SET
342045	ALU UPPER CLAMP FRONT - SWISS 7075 T6 - (L+R)
342070	COMPOSITE SET OF BUSHINGS (2)
342082	GRAPHITE SHOCK TOWER FRONT
342170	COMPOSITE SUSPENSION ARM DOWNSTOP (2)
342180	COMPOSITE LOWER SUSP. ARM CLIPS (2)
342315	COMPOSITE FRONT UPPER SUSP. ECCENTRIC BUSHING (4)
342472	ANTI-ROLL BAR FRONT 2.2 MM (OPTION)
342474	ANTI-ROLL BAR FRONT 2.4 MM (OPTION)
342476	ANTI-ROLL BAR FRONT 2.6 MM
342478	ANTI-ROLL BAR FRONT 2.8 MM (OPTION)
342710	ALU LOWER FRONT SUSPENSION HOLDER (1)
343481-K	ALU CUTTED ANTI-ROLL BAR COLLAR - BLACK (2)
345430	PUR® REINFORCED DRIVE BELT FRONT 6.0 x 204 MM
347212	FRONT LOWER INNER PIVOT PIN (2)
362650	BALL END 4.9MM WITH THREAD 6MM (2)
372651	PIVOT BALL UNIVERSAL 4.9 MM - HUDY SPRING STEEL (2)
v901303	HEX SCREW SB M3x3 (10)
901304	HEX SCREW SB M3x4 (10)
901410	HEX SCREW SB M4x10 (10)
902308	HEX SCREW SH M3x8 (10)
902310	HEX SCREW SH M3x10 (10)
902410	HEX SCREW SH M4x10 (10)
903306	HEX SCREW SFH M3x6 (10)
903406	HEX SCREW SFH M4x6 (10)
903408	HEX SCREW SFH M4x8 (10)
903410	HEX SCREW SFH M4x10 (10)
903412	HEX SCREW SFH M4x12 (10)
940508	HIGH-SPEED BALL-BEARING 5x8x2.5 RUBBER SEALED (2)
941218	HIGH-SPEED BALL-BEARING 12x18x4 RUBBER SEALED (2)
960040	NUT M4 (10)
345001	FRONT ONE-WAY - HARDCOATED + LIGHTWEIGHT ADAPTERS

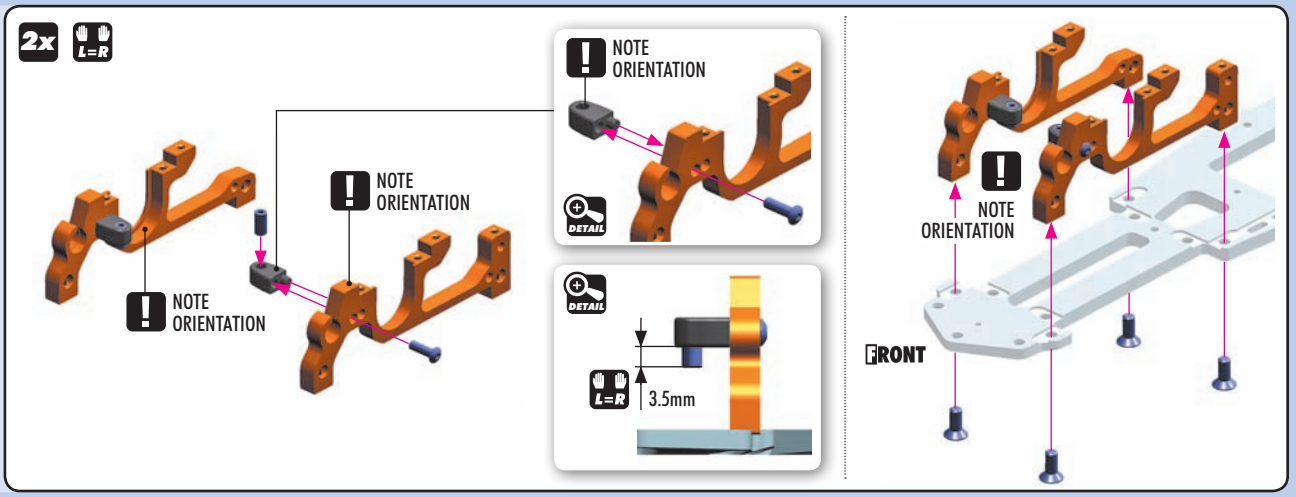
4. FRONT SUSPENSION

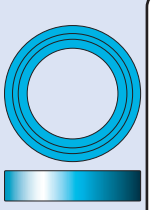
901410
SB M4x10

902310
SH M3x10

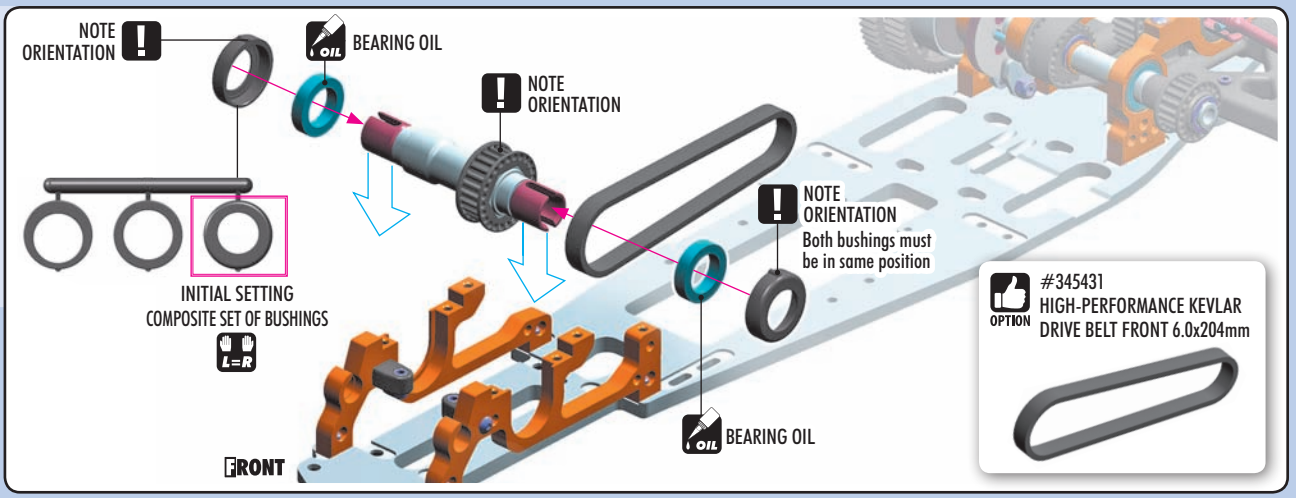


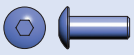
903408
SFH M4x8



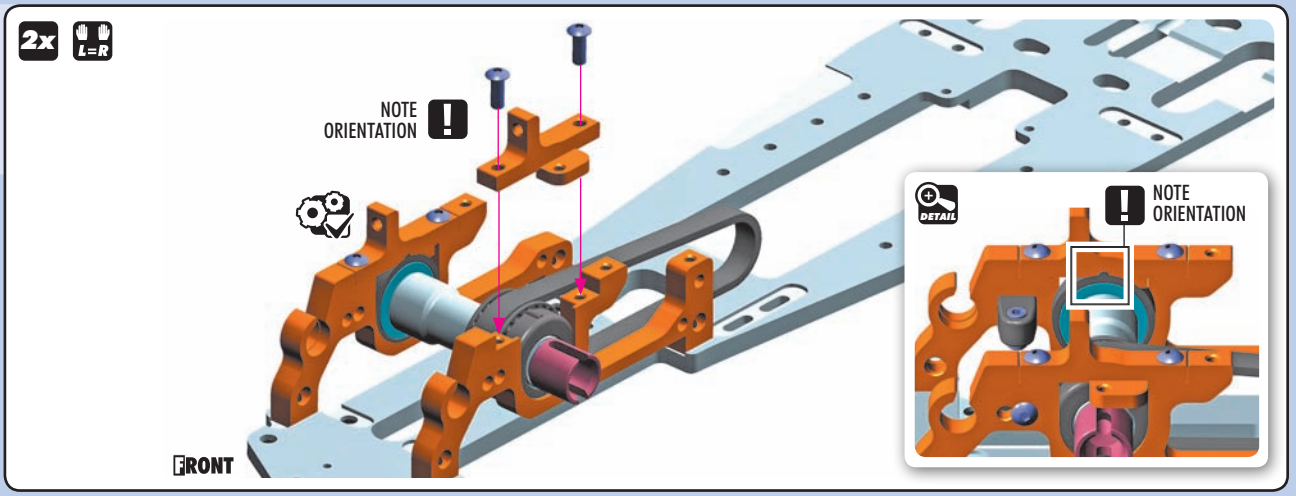


941218
BB 12x18x4

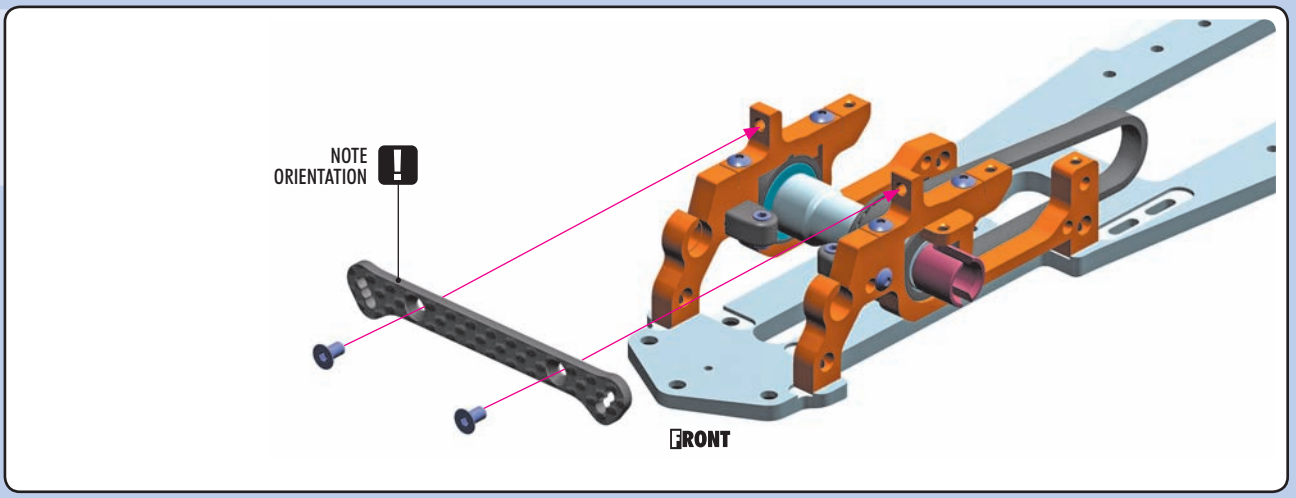




902308
SH M3x8



903306
SFH M3x6



The RX8 kit comes with both types of front anti-roll bars; blade-style or wire. Decide which anti-roll bar to use.

Blade anti-roll bar (Alternative 1) is recommended for long, fast tracks when maximum cornering speed is needed. With the blade anti-roll bar, the car will not dive in the corners and will maintain maximum speed. Follow the "Alternative 1" assembly steps (immediately below).

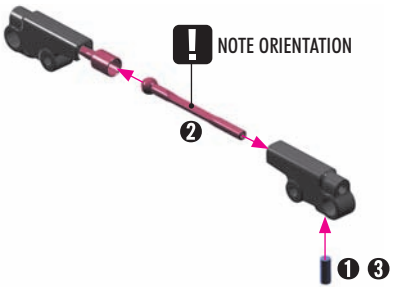
Wire anti-roll bar (Alternative 2) is recommended for smaller, technical tracks when fast direction changes and side weight changes are needed. Skip to and follow the "Alternative 2" assembly steps (starting on page 24).

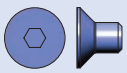
ALTERNATIVE 1 (BLADE ANTI-ROLL BAR)

901308
SB M3x8

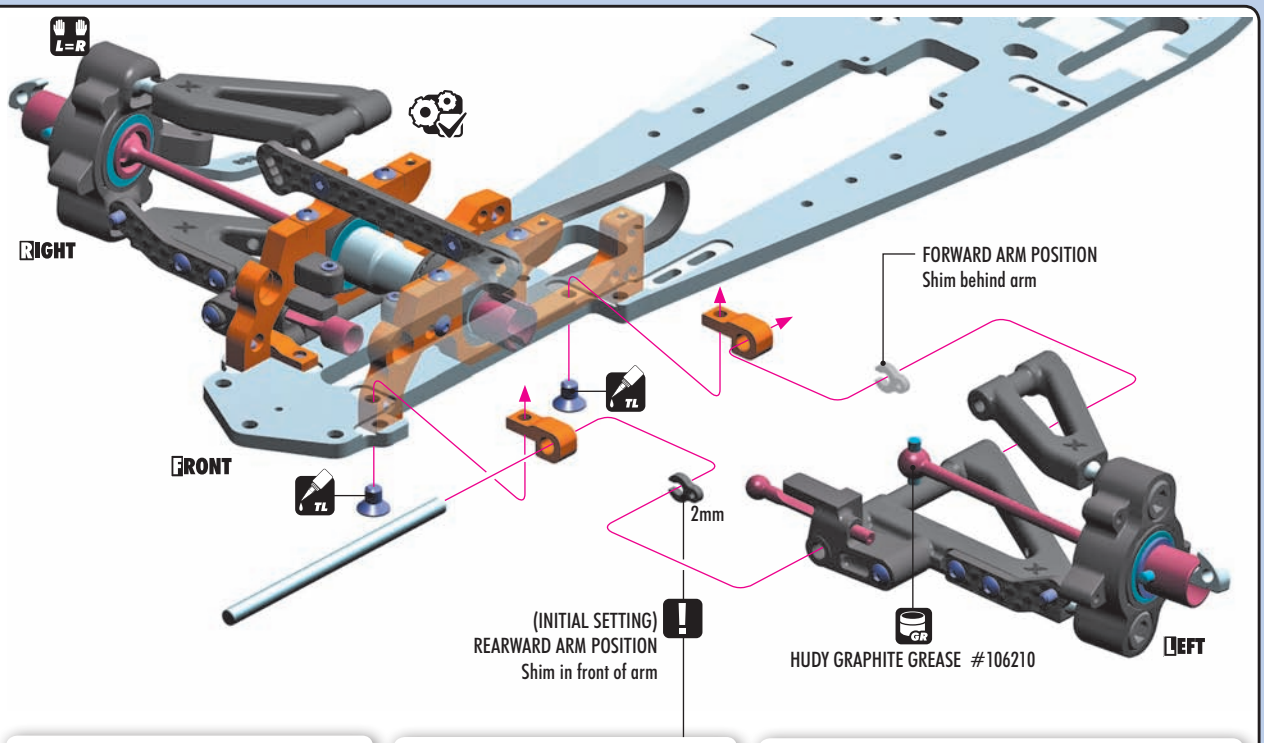
❶ Pre-thread mount with the set-screw

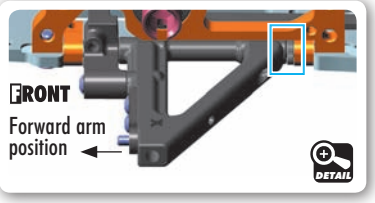
❸ After anti-roll bar is inserted, install and tighten the set-screw

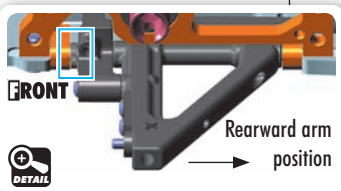




903406
SFH M4x6





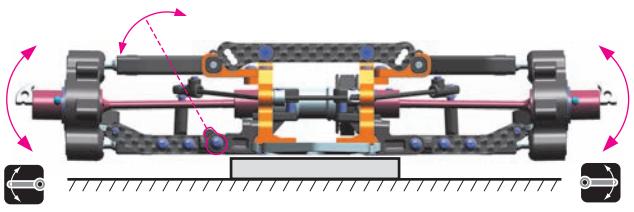


It is extremely important that the arms move freely on the pivot pins. If they do not, use the #107634 HUDY Arm Reamer to slightly resize the holes in the arms.

IMPORTANT!

The position of the front arm directly influences the steering Ackermann (angle of the steering linkages). When the arm is moved to rearward position (shim in front of the arm), the angle of the steering linkages changes and gives less Ackermann. By decreasing the Ackermann, the car gets more turn-in & increased steering at corner exit, but less cornering speed. The Ackermann can be changed by the Quick-Saver™ (see page 29).

When the bar is 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. If the arms still do not move at the same time, gently loosen the screw which holds eccentric bushing and adjust the bushing until both arms move at the same time.



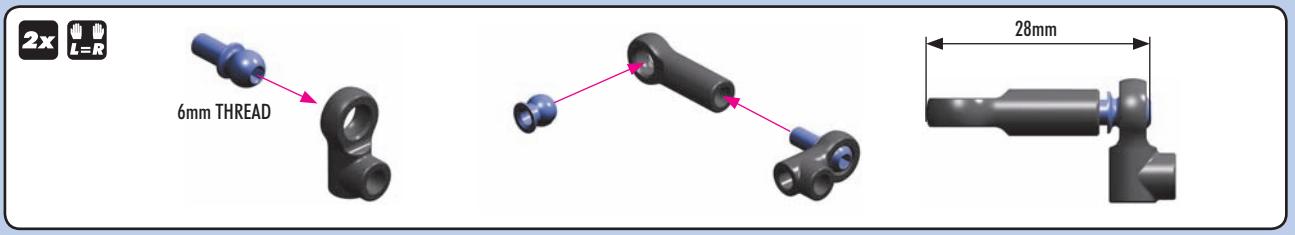
Ensure that the suspension arms move freely. Ensure that the eccentric holders move freely.

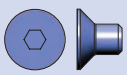
DETAIL

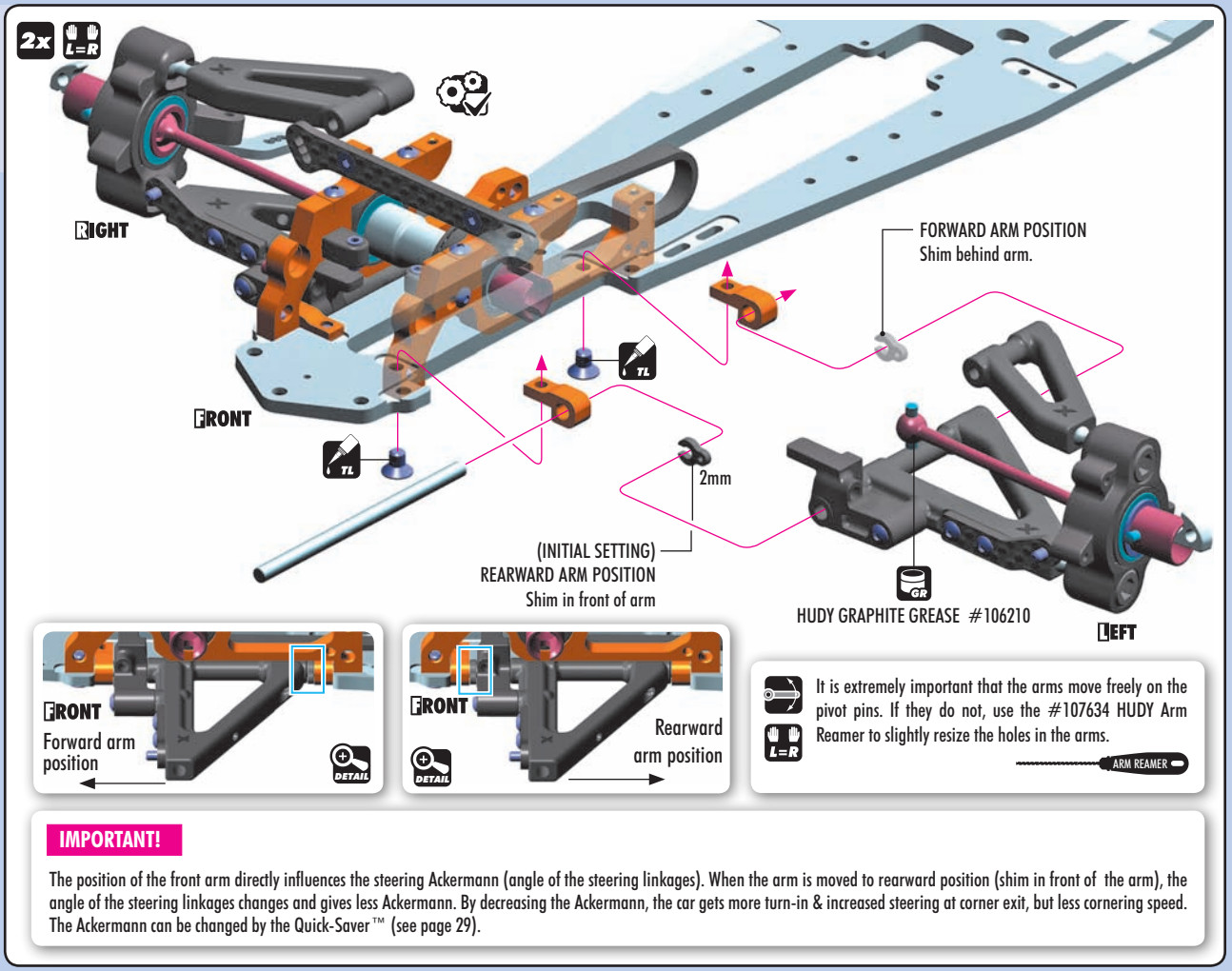
Do not insert ball into cup too deeply or bars will bind during operation

Each anti-roll bar blade has a hex hole at its end. Use a 1.5mm hex wrench to adjust the blades.

ALTERNATIVE 2 (WIRE ANTI-ROLL BAR)

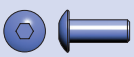


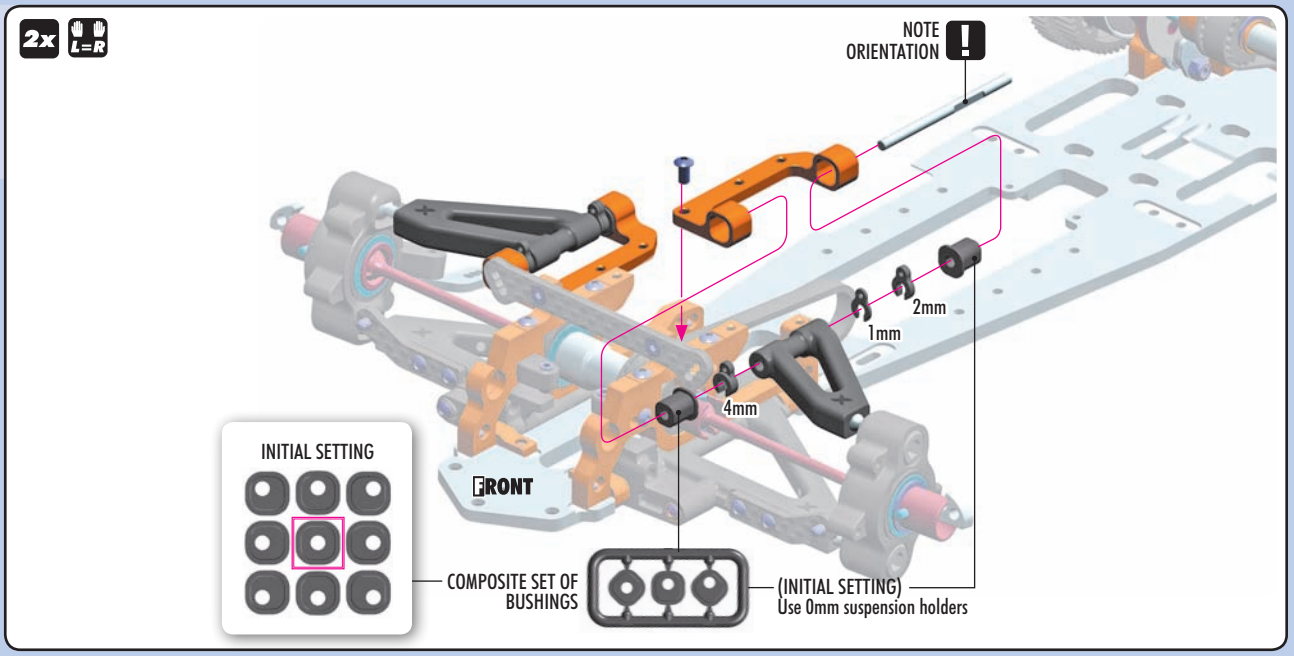

903406
SFH M4x6



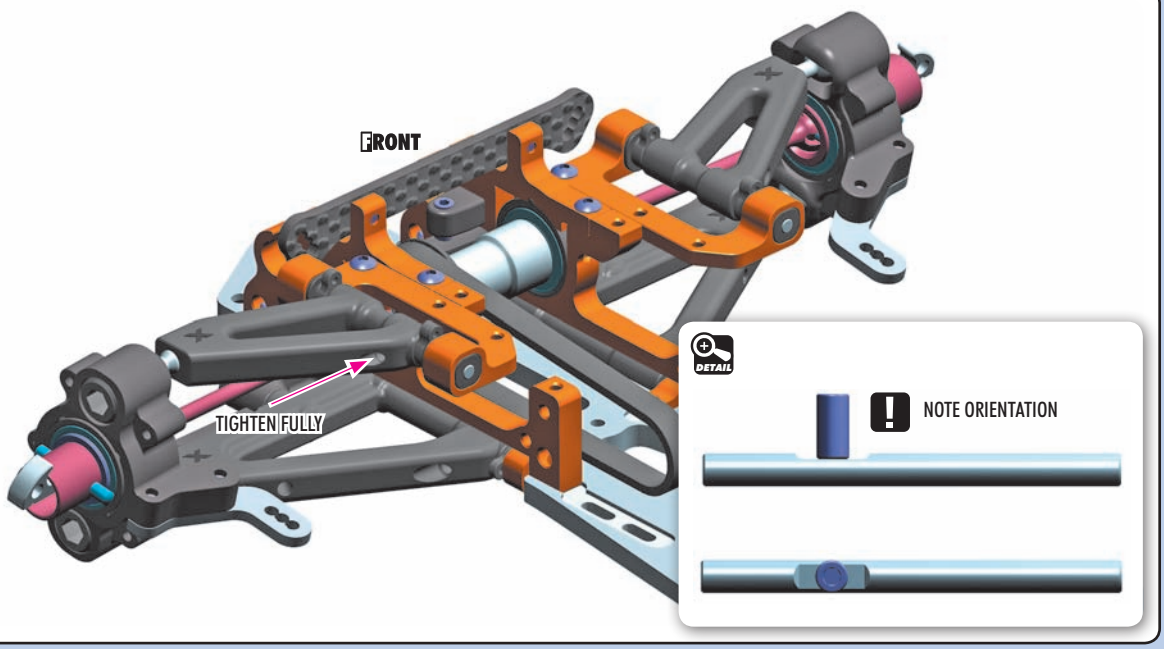
IMPORTANT!

The position of the front arm directly influences the steering Ackermann (angle of the steering linkages). When the arm is moved to rearward position (shim in front of the arm), the angle of the steering linkages changes and gives less Ackermann. By decreasing the Ackermann, the car gets more turn-in & increased steering at corner exit, but less cornering speed. The Ackermann can be changed by the Quick-Saver™ (see page 29).


902308
SH M3x8

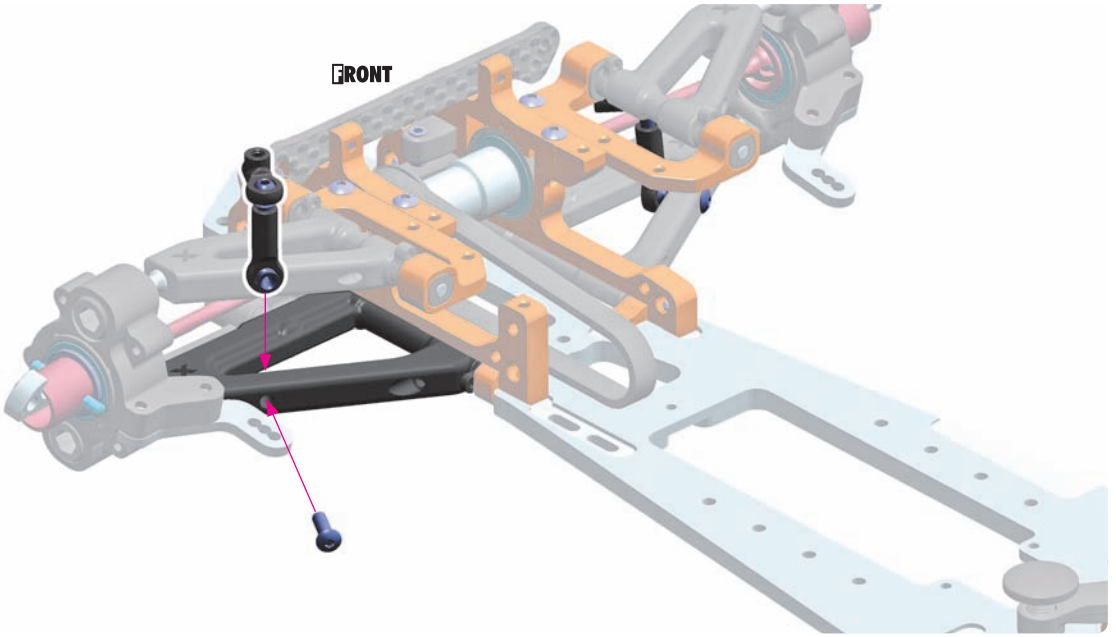


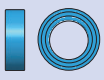
2x L=R



902310
SH M3x10

2x L=R





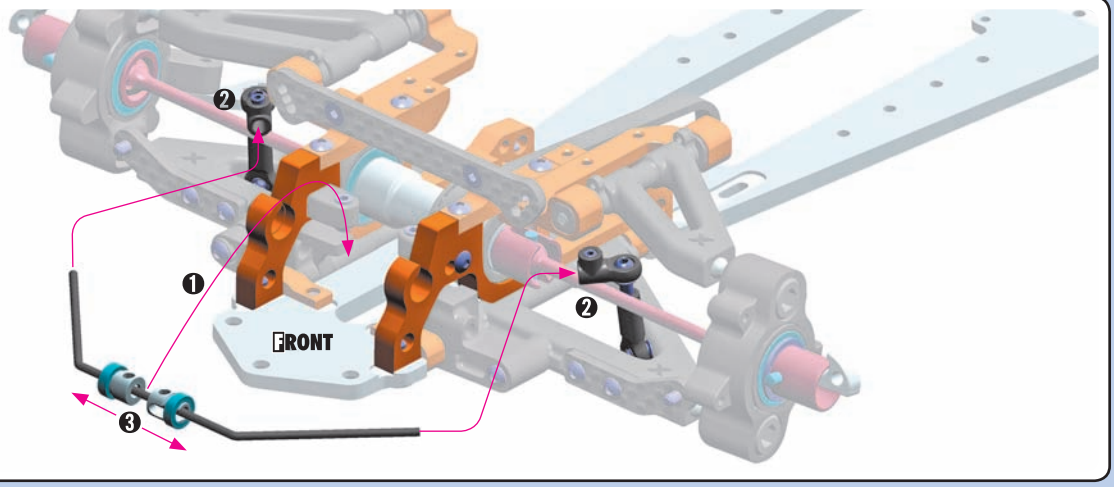
930508
BB 5x8x2.5

2x L=R

OPTION

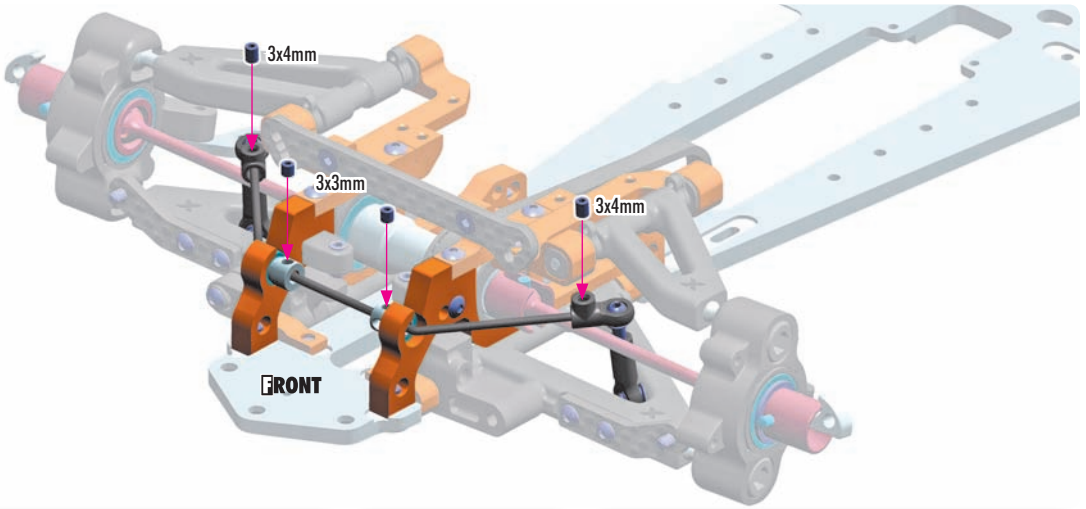
FRONT ANTI-ROLL BARS		
#342472	ø2.2mm	OPTION
#342474	ø2.4mm	OPTION
#342476	ø2.6mm	INCLUDED
#342478	ø2.8mm	OPTION

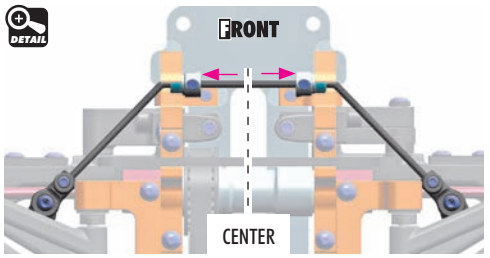
4. FRONT SUSPENSION



901303
SB M3x3

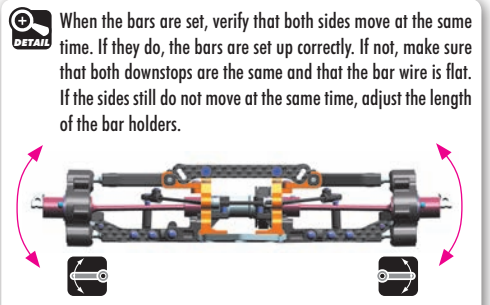
901304
SB M3x4





Set the bar into the center, remove the play in the bushings, and tighten the set-screws fully.

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

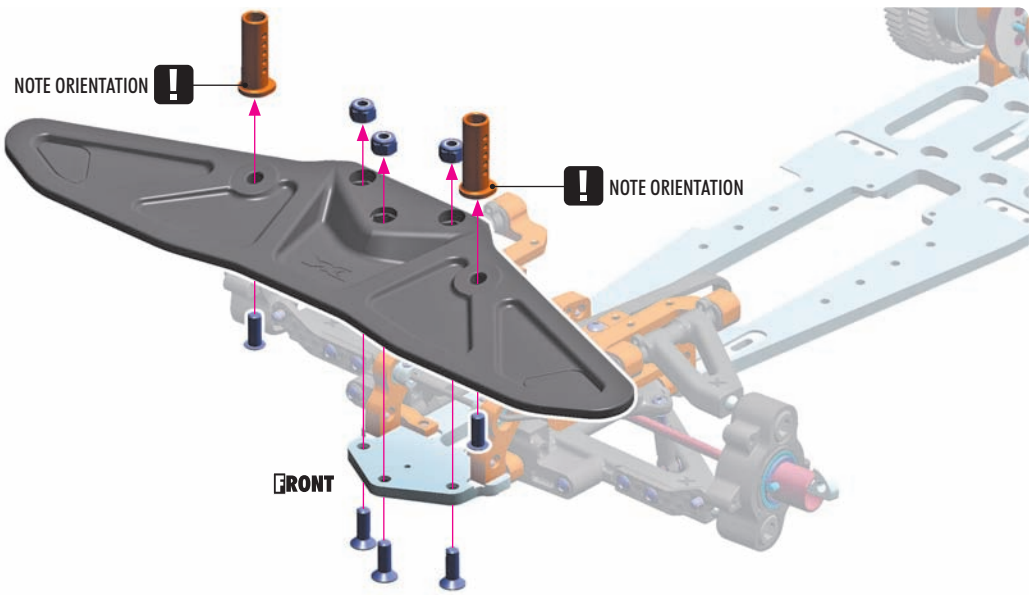


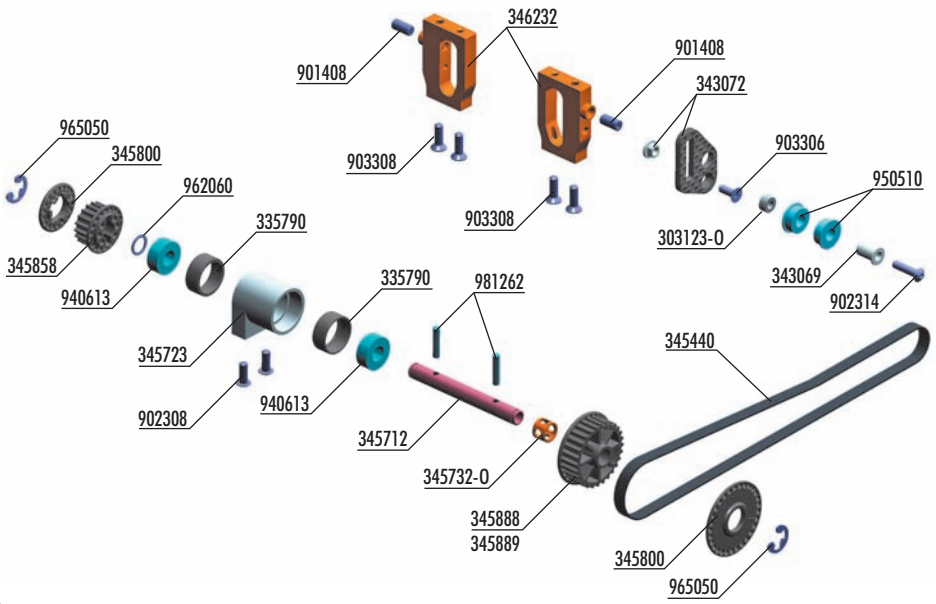
When the bars are set, verify that both sides move at the same time. If they do, the bars are set up correctly. If not, make sure that both downstops are the same and that the bar wire is flat. If the sides still do not move at the same time, adjust the length of the bar holders.

902410
SH M4x10

903412
SFH M4x12

960040
N M4





OPTION	DRIVE BELT SIDE (6.0x432mm)		
	#345440	PUR® REINFORCED	INCLUDED
	#345441	KEVLAR	OPTION

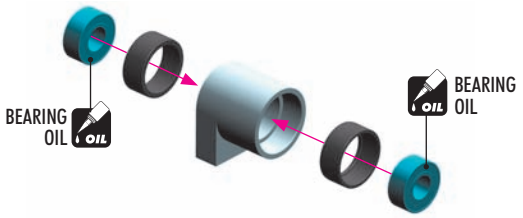
OPTION	FRONT BELT PULLEY CENTER		
	#345858	COMPOSITE - 18T	INCLUDED
	#345958	ALU - 18T	OPTION

OPTION	FRONT SIDE BELT PULLEY		
	#345888	COMPOSITE - 28T	INCLUDED
	#345889	COMPOSITE - 29T	INCLUDED
	#345988	ALU - 28T	OPTION
	#345989	ALU - 29T	OPTION
	#345990	ALU - 30T	OPTION

BAG 05

303123-0	ALU SHIM 3x6x2.0MM - ORANGE (10)	346232	ALU RADIO PLATE MOUNT - SWISS 7075 T6 (2)
335790	COMPOSITE BALL-BEARING BUSHING FOR MIDDLE SHAFT (2)		
343069	STEEL BUSHING (2)	901408	HEX SCREW SB M4x8 (10)
343072	BELT TENSIONER SET - STEEL	902308	HEX SCREW SH M3x8 (10)
345440	PUR® REINFORCED DRIVE BELT SIDE 6.0 x 432 MM	902314	HEX SCREW SH M3x14 (10)
345712	FRONT MIDDLE SHAFT - LIGHTWEIGHT - HUDY SPRING STEEL™	903306	HEX SCREW SFH M3x6 (10)
345723	ALU FRONT MIDDLE SHAFT HOLDER	903308	HEX SCREW SFH M3x8 (10)
345732-0	ALU MIDDLE SHAFT LOCATING COLLAR - SHORT - LIGHTWEIGHT - ORANGE	940613	HIGH-SPEED BALL-BEARING 6x13x5 RUBBER SEALED (2)
345800	COMPOSITE BELT PULLEY COVER SET	950510	BALL-BEARING 5x10x4 FLANGED (2)
345858	COMPOSITE FRONT BELT PULLEY 18T ø6 - CENTER	962060	WASHER S 6x8x0.5 (10)
345888	COMPOSITE SIDE BELT PULLEY 28T - FRONT	965050	E-CLIP 5 (10)
345889	COMPOSITE SIDE BELT PULLEY 29T - FRONT	981262	PIN 2.5x12 (10)

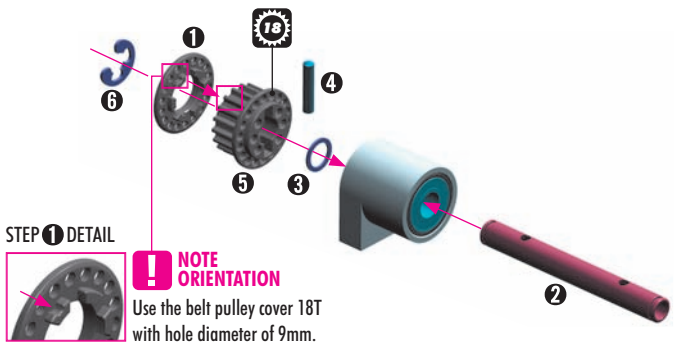
940613
BB 6x13x5



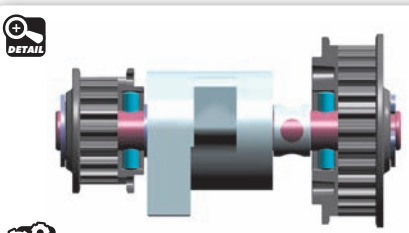
962060
SHIM 6x8x0.5

965050
C 5

981262
P 2.5x12

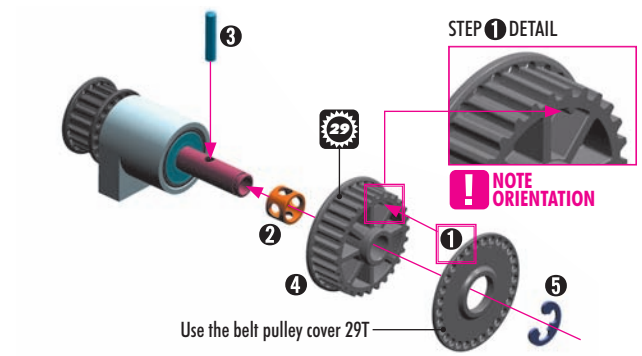


OPTION	FRONT BELT PULLEY CENTER		
	#345858	COMPOSITE - 18T	INCLUDED
	#345958	ALU - 18T	OPTION



965050
C 5

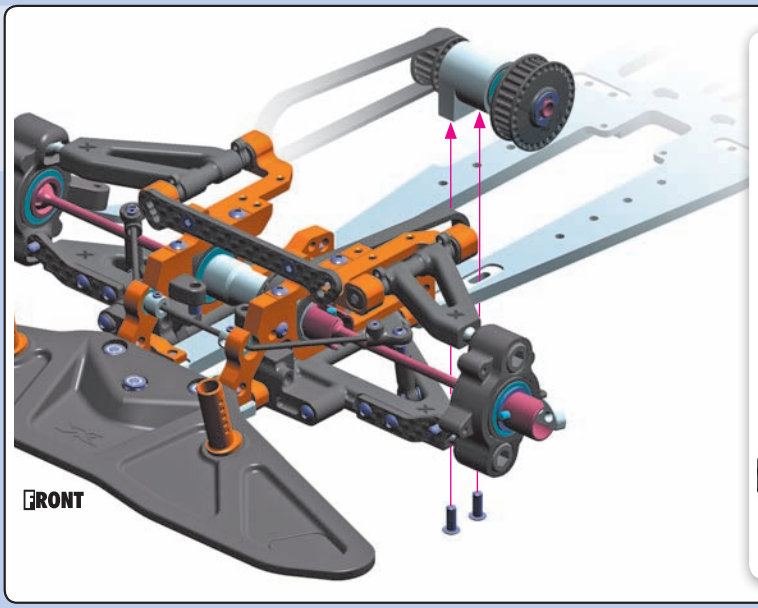
981262
P 2.5x12

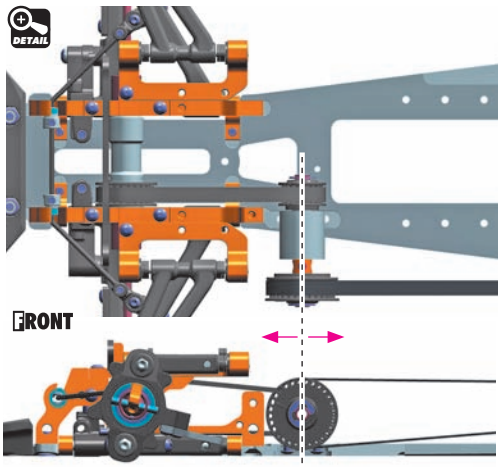


OPTION	FRONT SIDE BELT PULLEY		
	#345888	COMPOSITE - 28T	INCLUDED
	#345889	COMPOSITE - 29T	INCLUDED
	#345988	ALU - 28T	OPTION
	#345989	ALU - 29T	OPTION
	#345990	ALU - 30T	OPTION

5. FRONT TRANSMISSION

902308
SH M3x8

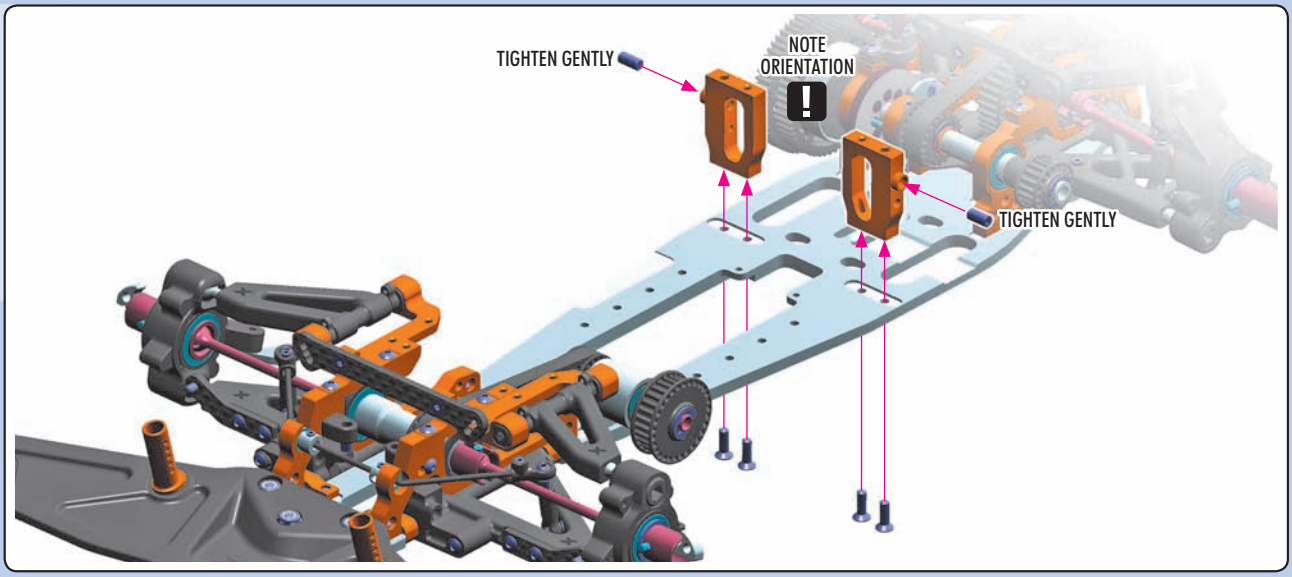




Adjust the tension of the front & side belt by moving the front middle shaft holder.

901408
SB M4x8

903308
SFH M3x8

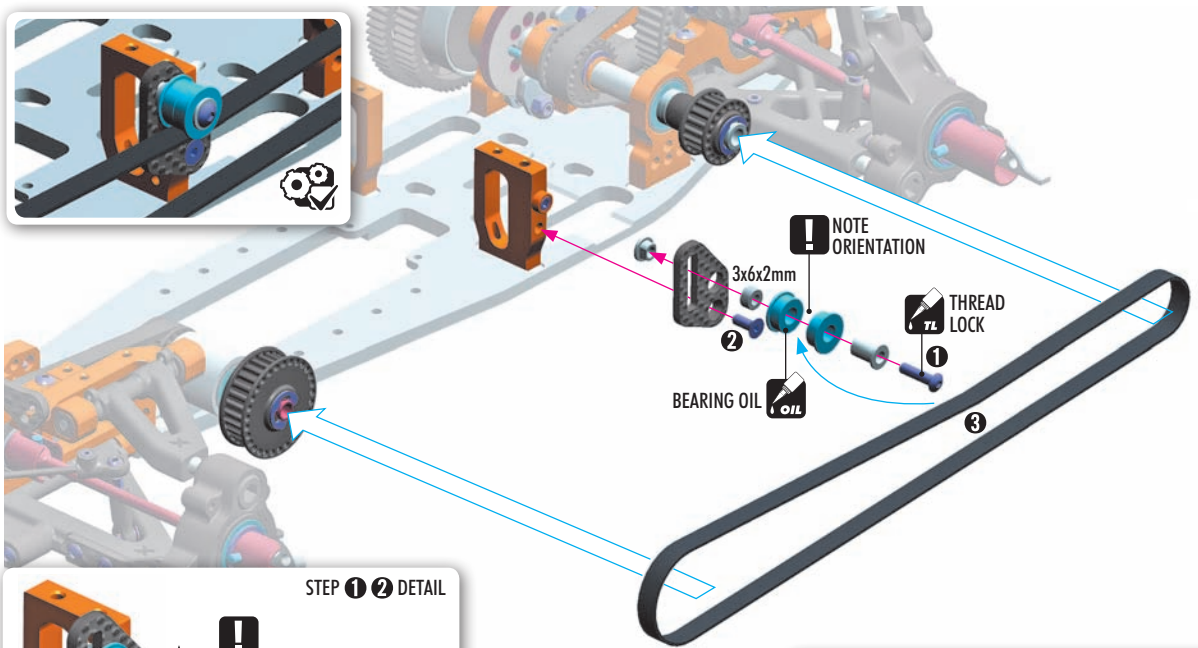


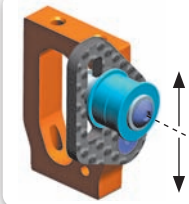
303123-O
SHIM 3x6x2

902314
SH M3x14

903306
SFH M3x6

950510
BB 5x10x4





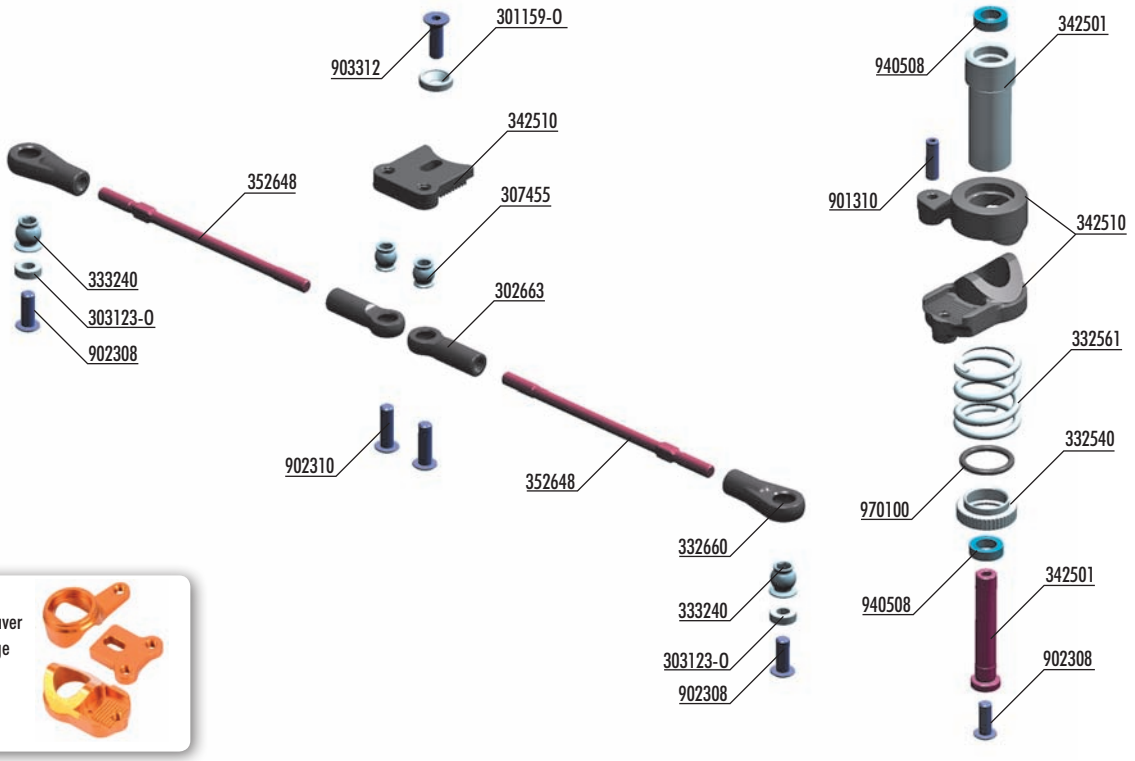
STEP 1 2 DETAIL

TO ADJUST THE BELT TENSIONER:

1. Loosen upper screw
2. Move belt tensioner as needed
3. Re-tighten upper screw

OPTION

DRIVE BELT SIDE (6.0x432mm)		
#345440	PUR® REINFORCED	INCLUDED
#345441	KEVLAR	OPTION



OPTION #342511-0
Alu Adjustable Servo Saver
- Swiss 7075 T6 - Orange

BAG 06

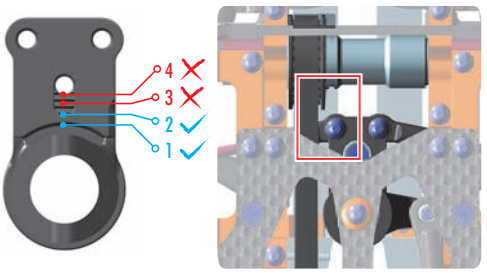
303123-0	ALU SHIM 3x6x2.0MM - ORANGE (10)	342510	COMPOSITE SERVO SAVER
301159-0	ALU COUNTERSUNK SHIM - ORANGE (4)	352648	XT8 ADJ. TURNBUCKLE M3 L/R 62 MM - HUDY SPRING STEEL (2)
302663	COMPOSITE BALL JOINT 4.9MM - OPEN - V2 (8)		
307455	PIVOT BALL 4.9 MM DOUBLE BEVEL SHOULDERS (10)	901310	HEX SCREW SB M3x10 (10)
332540	ALU SERVO SAVER ADJUSTABLE NUT	902308	HEX SCREW SH M3x8 (10)
332561	SERVO SAVER SPRING C=14	902310	HEX SCREW SH M3x10 (10)
332660	COMPOSITE STEERING & SERVO BALL JOINT 5.8 MM (4+2)	903312	HEX SCREW SFH M3x12 (10)
333240	BALL UNIVERSAL 5.8 MM HEX (4)	940508	HIGH-SPEED BALL-BEARING 5x8x2.5 RUBBER SEALED (2)
342501	SERVO SAVER COMPLETE SET	970100	O-RING 10 x 1.5 (10)


901310
SB M3x10


903312
SFH M3x12

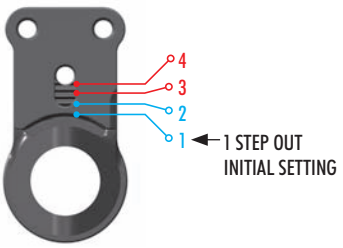

970100
O 10x1.5

USE ONLY ACKERMANN POSITIONS 1 OR 2.
DO NOT use Ackerman positions 3 or 4; these can be used ONLY after modifying the ball joint & one-way pulley so that they do not touch.

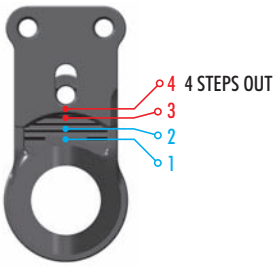


THERE ARE 4 DIFFERENT ACKERMANN SETTINGS POSSIBLE WITH THE QUICK-SAVER™

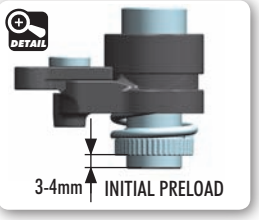
For initial Ackermann setting, use Step 1 (2nd shortest length).

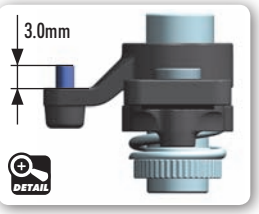


STEP 1 gives the most Ackermann and makes the car understeer more into & out of corners. It offers good cornering speed and creates very good traction mainly in chicanes, because the car will be more stable.
Recommended for tracks with long sweepers where a lot of cornering speed is needed.



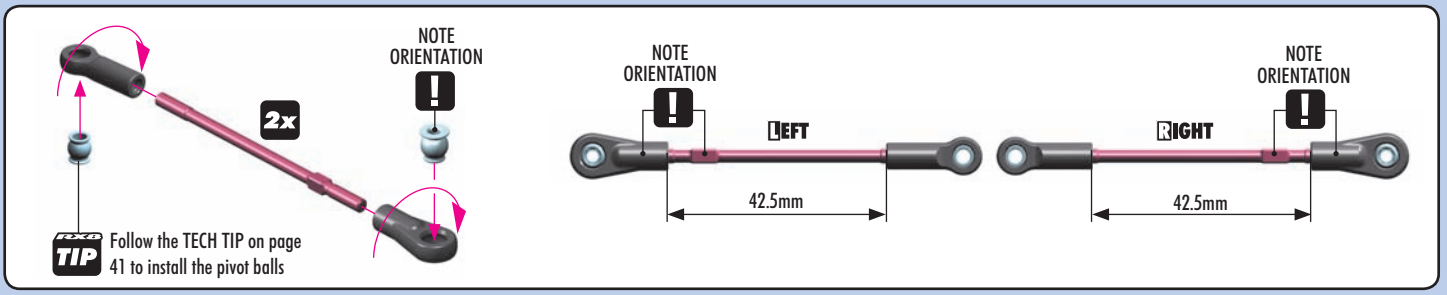
STEP 4 gives the least Ackermann and creates a lot of steering into & out of corners. However, the car is more difficult to drive in chicanes because there is less traction and stability.
Recommended for tracks where a lot of in-corner steering is needed.



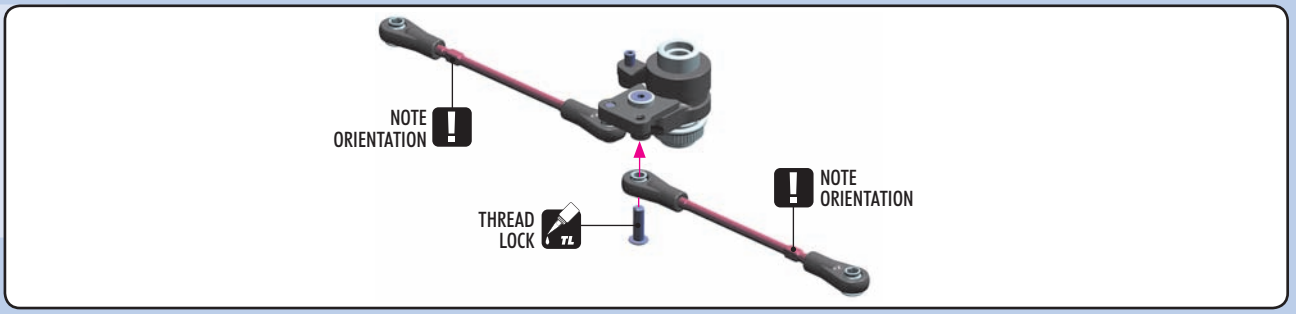


OPTION #342511-0
Alu Adjustable Servo Saver
- Swiss 7075 T6 - Orange

6. STEERING

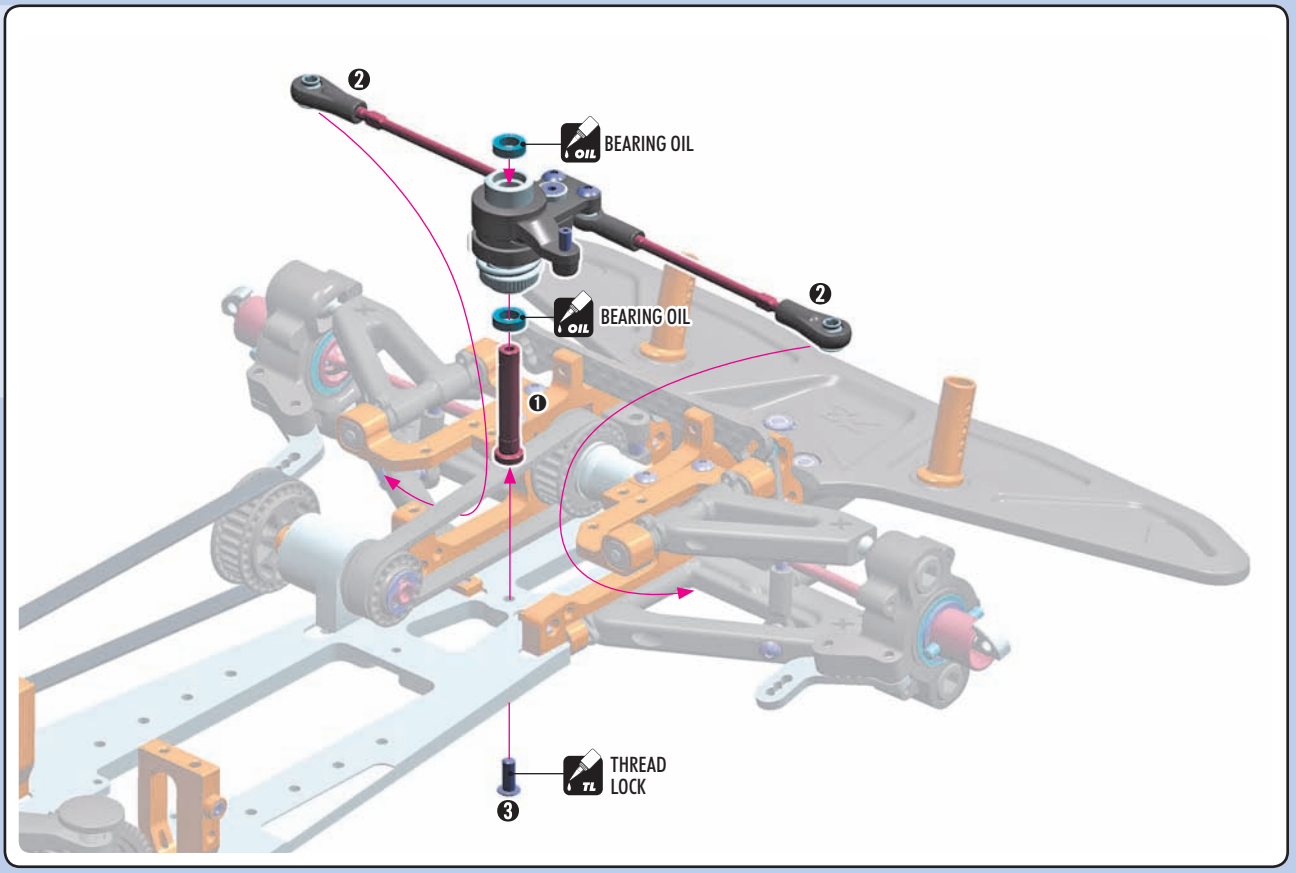


902310
SH M3x10



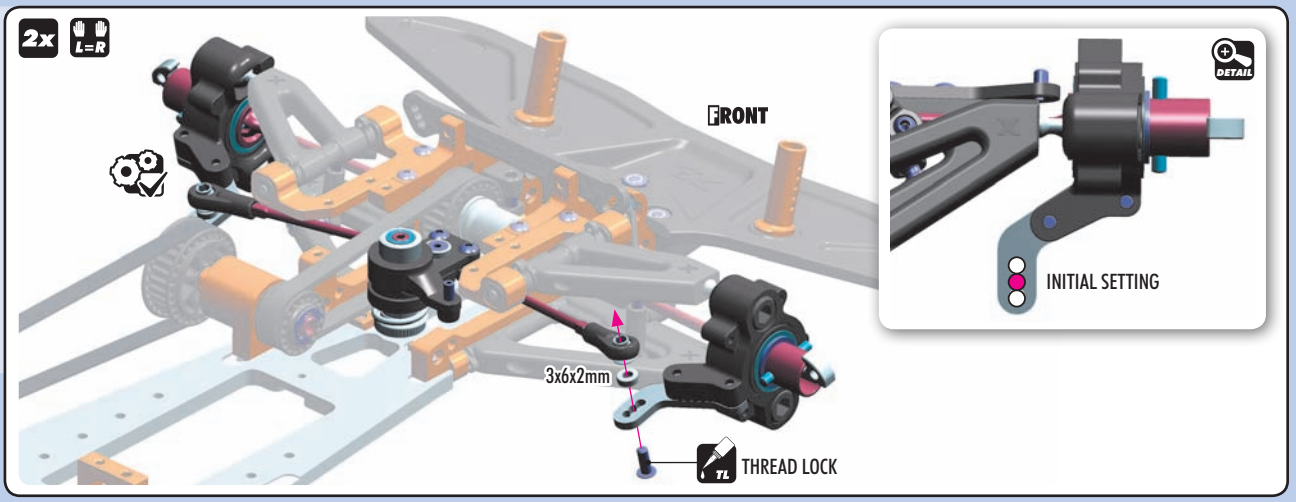
902308
SH M3x8

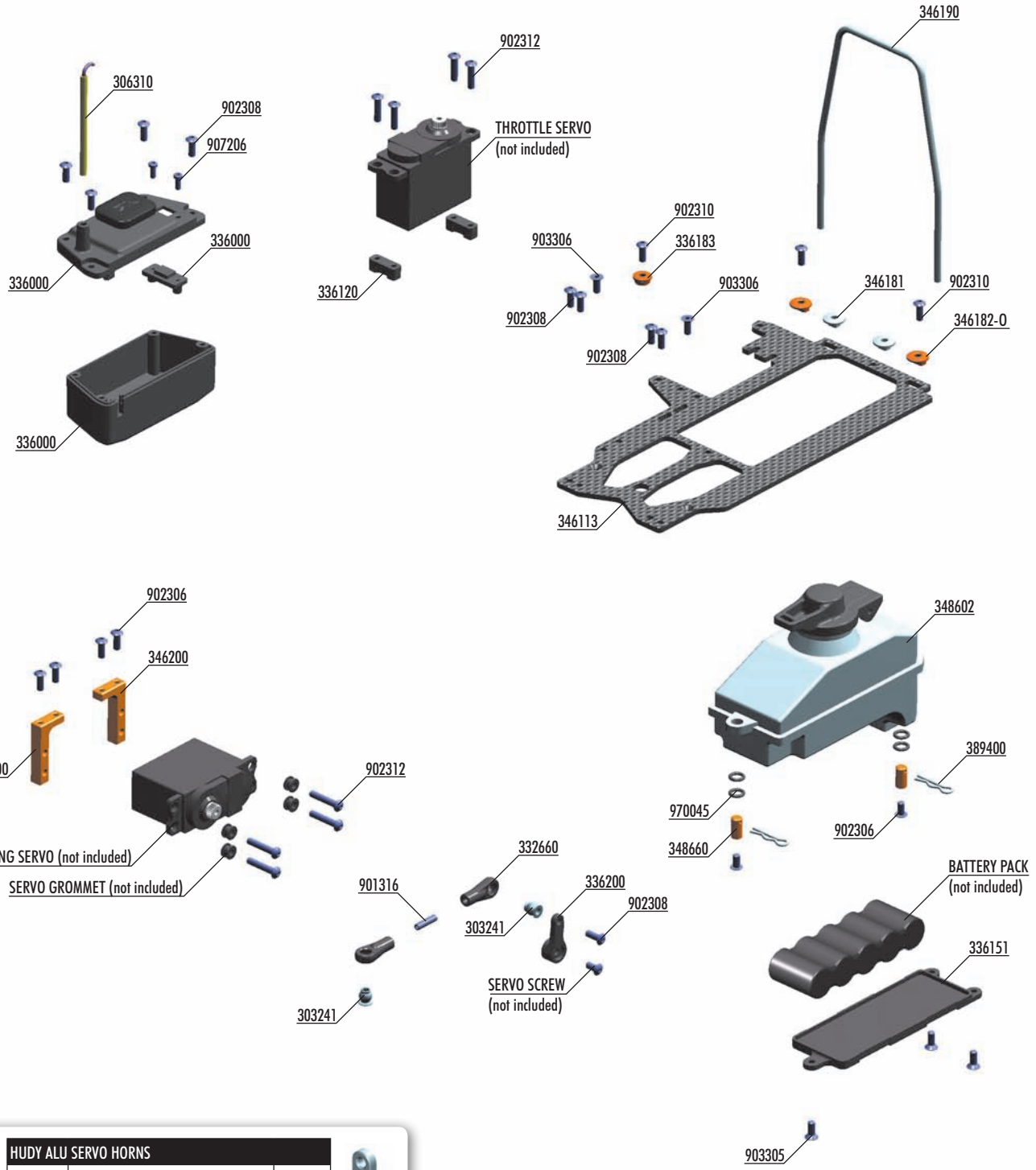
940508
BB 5x8x2.5



303123-0
SHIM 3x6x2

902308
SH M3x8





OPTION

HUDY ALU SERVO HORNS		
#293491	23T KO Propo, Airtronics, JR, Sanwa	OPTION
#293492	24T Hitec	OPTION
#293493	25T Futaba	OPTION

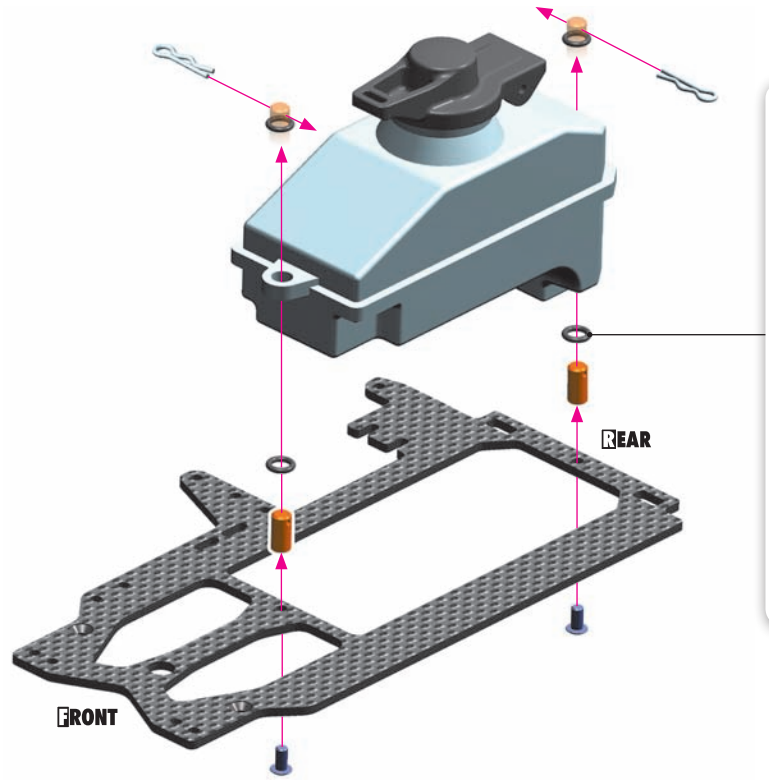
BAG 07

303241	BALL UNIVERSAL 5.8 MM HEX (4)
306310	ANTENNA TUBE (2)
332660	COMPOSITE STEERING & SERVO BALL JOINT 5.8 MM (4+2)
336000	COMPOSITE RECEIVER CASE
336120	COMPOSITE STEERING SERVO HOLDER - SET - V2
336151	COMPOSITE BATTERY PLATE
336200	COMPOSITE STEERING SERVO ARMS - SET
336183	ALU RADIO PLATE MULTI-FLEX™ BUSHING
346113	GRAPHITE RADIO PLATE
346181	ALU RADIO PLATE TWEAK BUSHING HARDCOATED (2)
346182-O	ALU RADIO PLATE BUSHING FIXED - ORANGE (2)
346190	ROLL-OVER BAR
346200	ALU SERVO MOUNT - SWISS 7075 T6 (2)
348602	FUEL TANK 125CC - SET
348660	ALU FUEL TANK MOUNT (2)
389400	MICRO BODY CLIP (10)
901316	HEX SCREW SB M3x16 (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)
903305	HEX SCREW SFH M3x5 (10)
903306	HEX SCREW SFH M3x6 (10)
907206	SCREW PHILLIPS M2x6 (10)
970045	O-RING 4.5x1.5 (10)

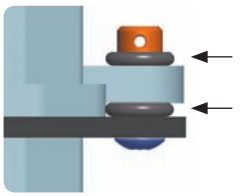
7. FUEL TANK & ELECTRONICS

902306
SH M3x6

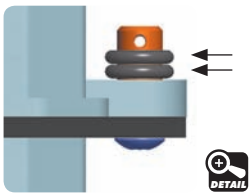
970045
O 4.5x1.5



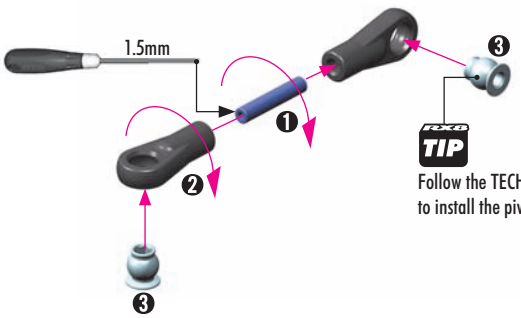
INITIAL SETTING



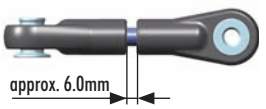
NOTE If PICCO ENGINE with lower carburator used.



901316
SB M3x16



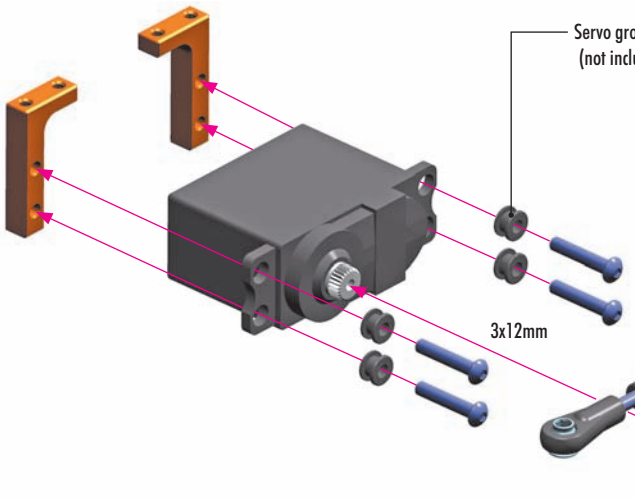
TIP Follow the TECH TIP on page 41 to install the pivot balls



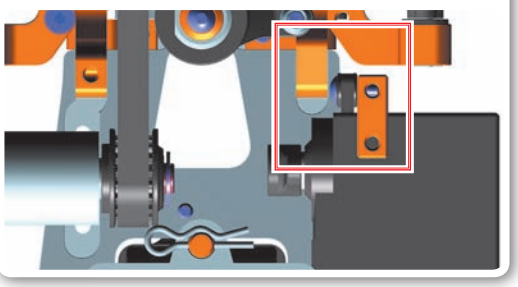
Note the 90° angle difference between the ball joints

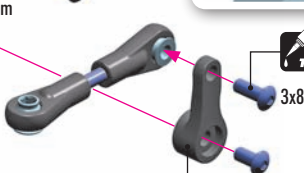
902308
SH M3x8

902312
SH M3x12



Make sure that servo does not touch the bulkhead.





Use appropriate servo arm:
K - (23T) = KO, JR, Airtronics
H - (24T) = Futaba,
F - (25T) = Hitec

OPTION

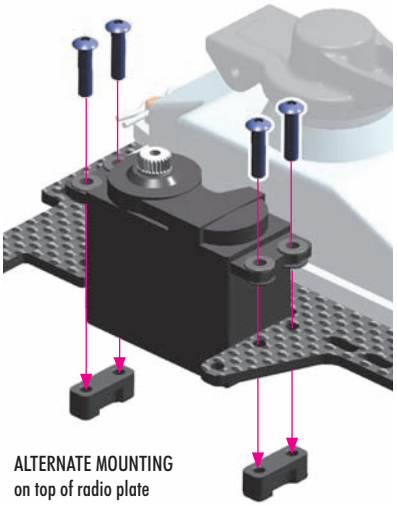
HUDY ALU SERVO HORNS		
#293491	23T KO Propo, Airtronics, JR, Sanwa	OPTION
#293492	24T Hitec	OPTION
#293493	25T Futaba	OPTION

Use alum servo horns for more in-corner steering and better steering response.

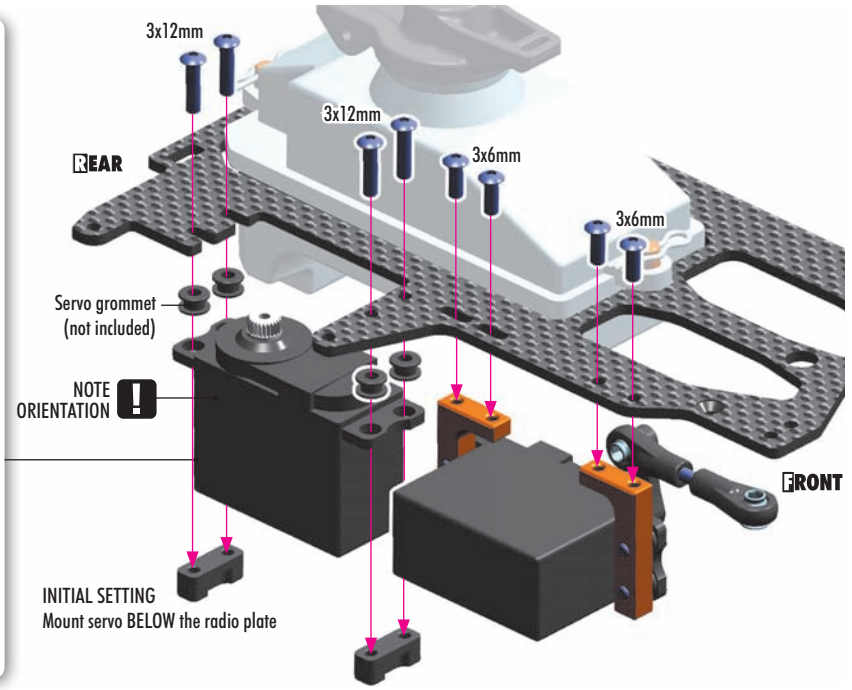
902306
SH M3x6

902312
SH M3x12

NOTE When big servo and/or thick servo grommets are used, the servo can touch the chassis if is mounted from the bottom of the radio plate. In this case, mount servo from the top of the radio plate.



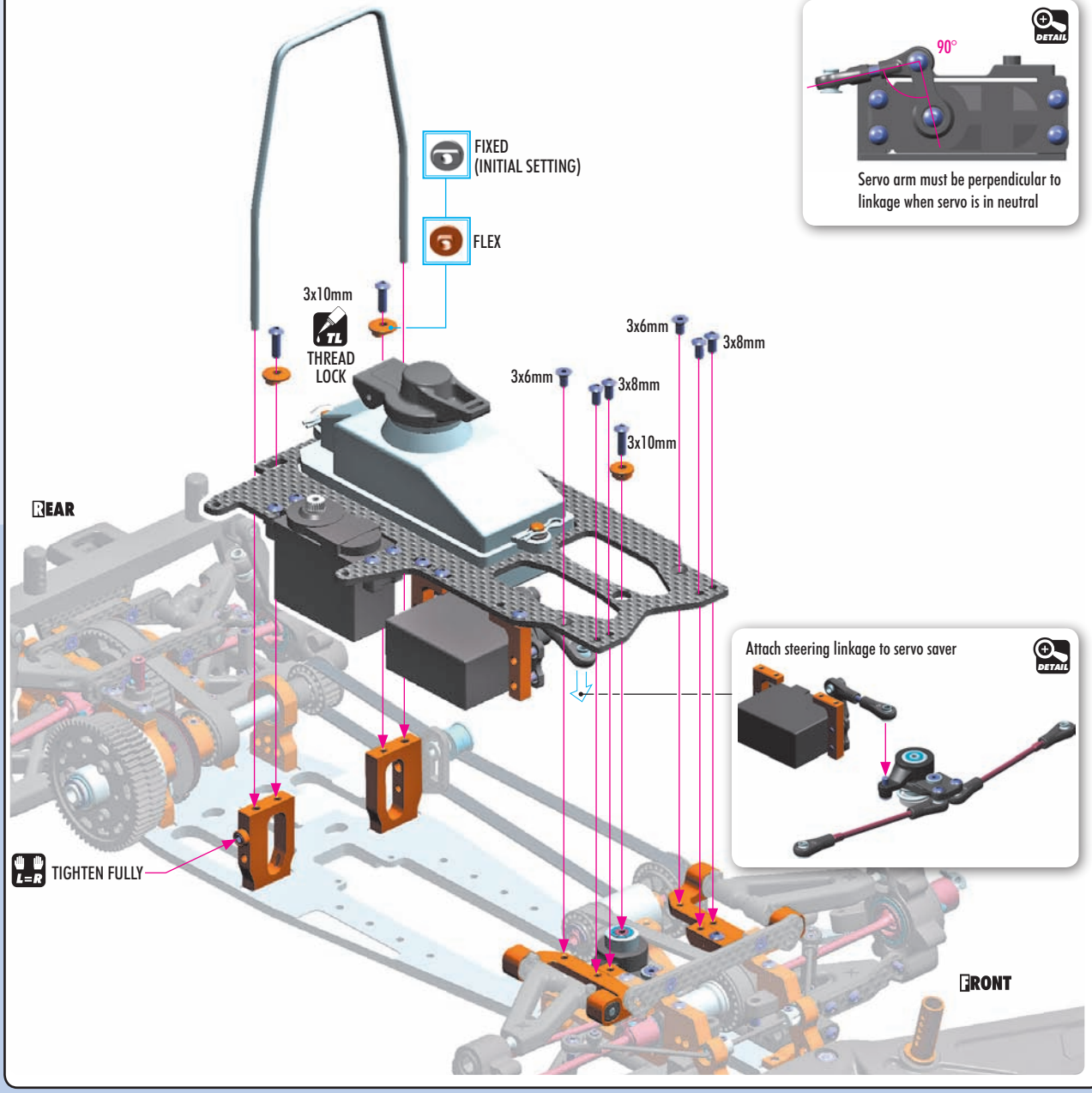
ALTERNATE MOUNTING
on top of radio plate



902308
SH M3x8

902310
SH M3x10

903306
SFH M3x6



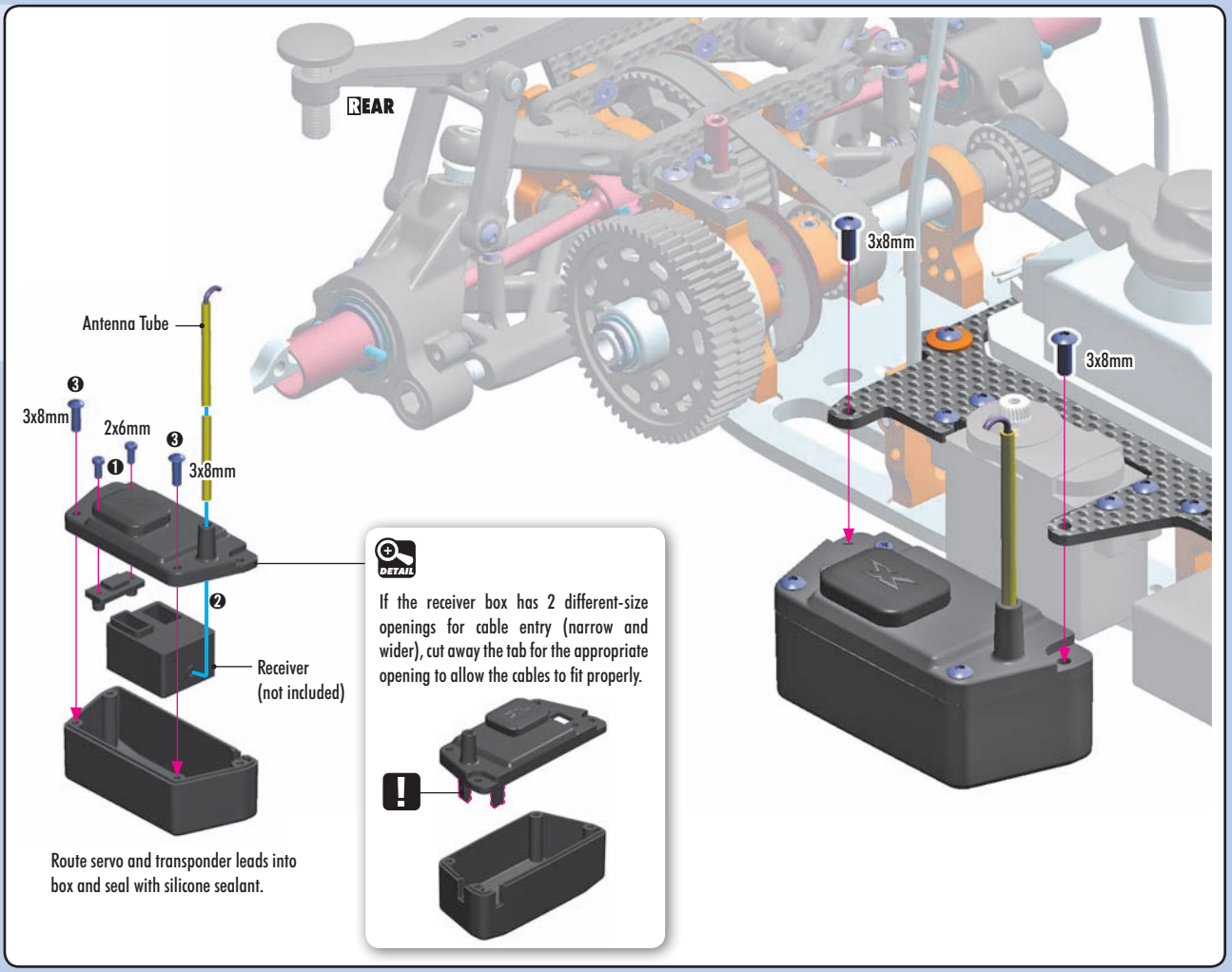
Servo arm must be perpendicular to linkage when servo is in neutral

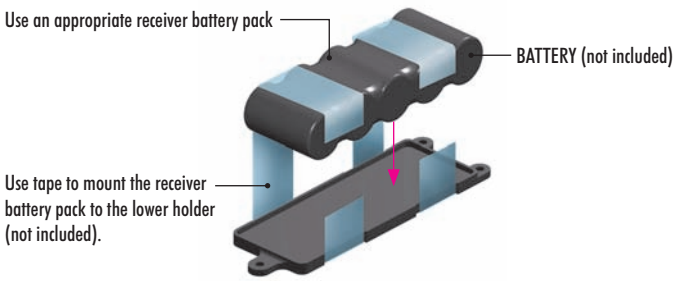
Attach steering linkage to servo saver

7. FUEL TANK & ELECTRONICS

902308
SH M3x8

907206
2x6

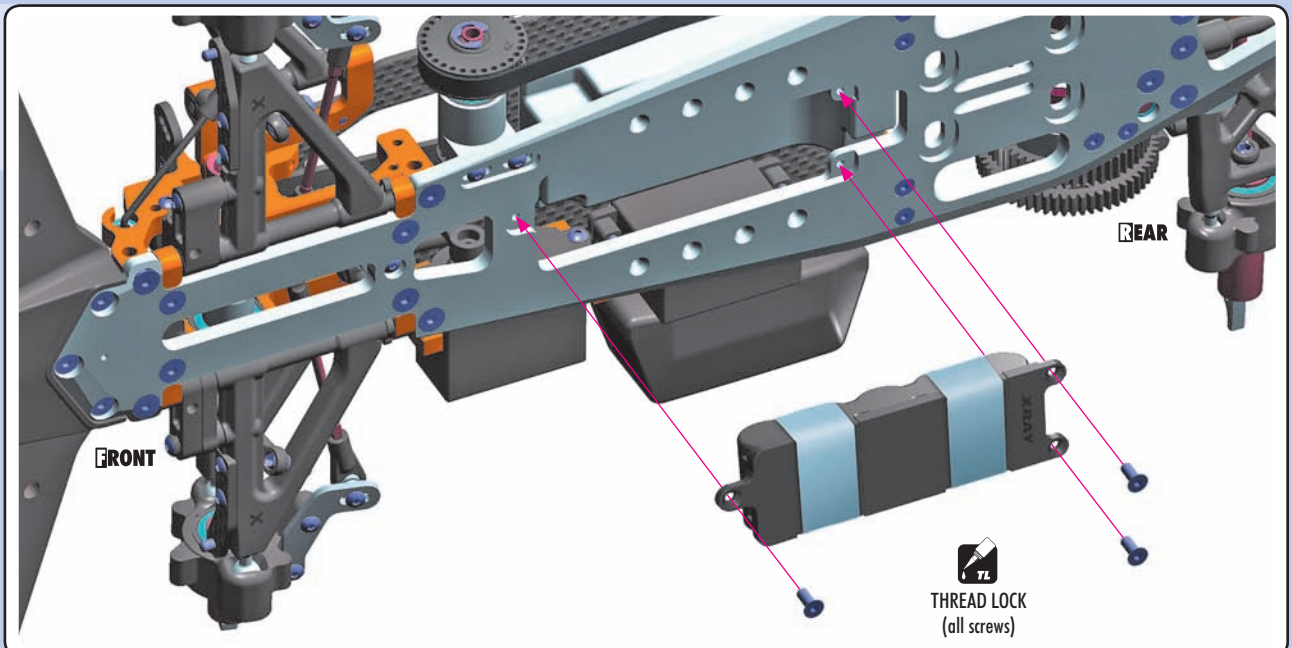


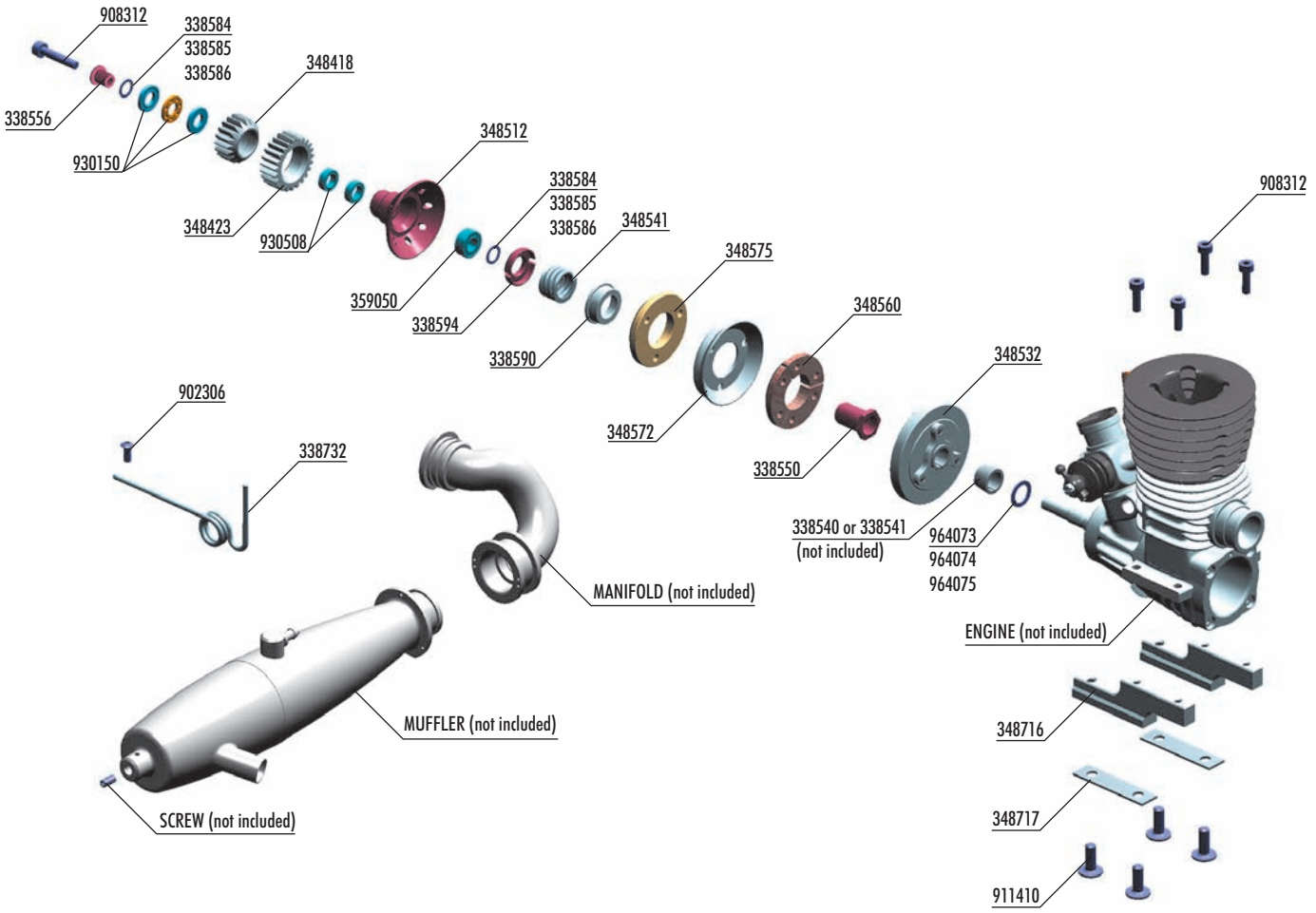


OPTION

BATTERY PLATE		
#336151	COMPOSITE	INCLUDED
#336155	GRAPHITE	OPTION
#346157	BRASS (100g)	OPTION

903305
SFH M3x5





OPTION

1ST XCA HARDCOATED PINION GEAR		
#348417	17T (1st)	OPTION
#348418	18T (1st)	INCLUDED
#348419	19T (1st)	OPTION

OPTION

2ST XCA HARDCOATED PINION GEAR		
#348422	22T (2nd)	OPTION
#348423	23T (2nd)	INCLUDED
#348424	24T (2nd)	OPTION
#348425	25T (2nd)	OPTION

OPTION

348576
#CLUTCH SHOE - RED

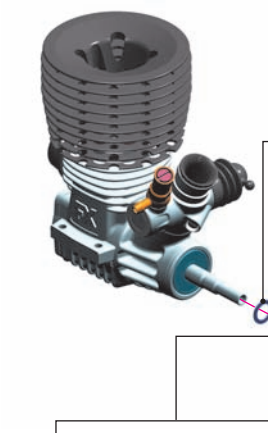
BAG 08

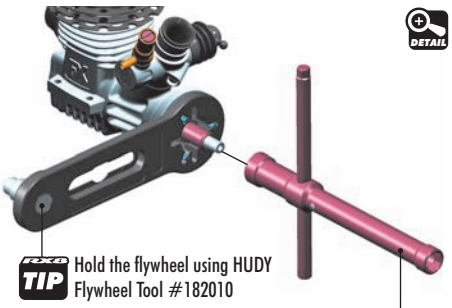
338540	FLYWHEEL COLLAR 7MM - NOVAROSSI (OPTION)	348560	CLUTCH FLYWEIGHT SET
338541	FLYWHEEL COLLAR 6MM - PICCO (OPTION)	348572	ALU CLUTCH DISK - CONICAL - SWISS 7075 T6
338550	FLYWHEEL NUT - HUDY SPRING STEEL™	348575	CLUTCH SHOE - YELLOW
338556	THRUSTBEARING COLLAR - HUDY SPRING STEEL™	348576	CLUTCH SHOE - RED (OPTION)
338584	SHIM 5x7x0.2 (10)	348716	ALU ENGINE MOUNT (2)
338585	SHIM 5x7x0.3 (10)	348717	STAINLESS STEEL ENGINE MOUNT SHIM (2)
338586	SHIM 5x7x0.5 (10)	359050	CLUTCH BELL BALL-BEARING 5x10x4 (2)
338590	CLUTCH SPRING CUP - ALU 7075 T6		
338594	CLUTCH PRELOAD ADJ. NUT - HUDY SPRING STEEL™	902306	HEX SCREW SH M3x6 (10)
338732	EXHAUST MOUNTING WIRE - EXTRA-LONG	908312	HEX SCREW SOCKET HEAD CAP M3x12 (10)
348418	XCA ALU PINION GEAR 18T (1ST) - 7075 T6 - HARDCOATED - LARGE	911410	HEX SCREW FLANGED SH M4x10 (10)
348423	XCA ALU PINION GEAR 23T (2ND) - 7075 T6 - HARDCOATED - LARGE	930150	CARBIDE AXIAL THRUSTBEARING F5-10 5x10x4
348502	XCA (XRAY CENTRIFUGAL-AXIAL) CLUTCH SET - REVERSE - SMALL	930508	BALL-BEARING 5x8x2.5 (2)
348512	XCA CLUTCHBELL FOR SMALLER PINION GEARS - HUDY STEEL	964073	WASHER S 7x10x0.2 (10)
348532	FLYWHEEL - FLAT - SWISS 7075 T6 - HARDCOATED	964074	WASHER S 7x10x0.3 (10)
348541	CLUTCH SPRING - ULTRA-STABLE	964075	WASHER S 7x10x0.5 (10)

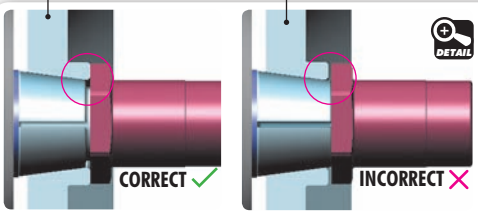

964073
S 7x10x0.2


964074
S 7x10x0.3


964075
S 7x10x0.5

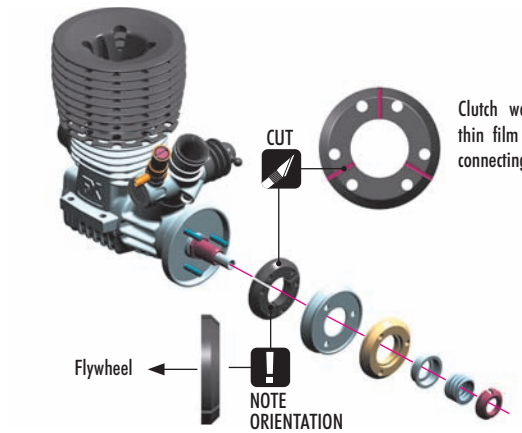




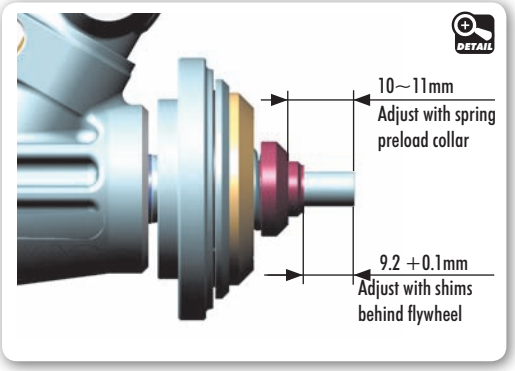


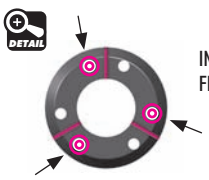
The flywheel collar must stay inside the flywheel.

If the flywheel collar is too long – if it is flush with the flywheel or protrudes slightly – remove a small amount of material from the end, or use an XRAY collar.



Clutch weights are machined as 1 piece, with thin film connecting the pieces together. Cut the connecting film to separate the 3 shoes.

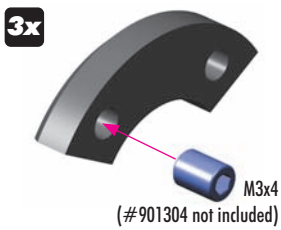




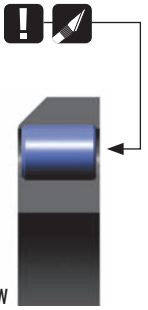
TECH TIP FOR EXTRA BOTTOM-END POWER

For extra bottom-end power, thread a M3x4 setscrew (#901304) into each clutch flyweight as shown. The setscrew will add more weight to the end of the flyweight which will cause the flyweight to open harder, giving more bottom-end power. This is recommended for high-traction tracks where bottom-end power is required.

IMPORTANT!
Install setscrew into free (non-pivot) end of flyweight.



After inserting the setscrew, some excess material may come out of the hole. REMOVE this excess material with a knife.



TECH TIP FOR RX8 CLUTCH SHOE

To ensure that the RX8 clutch shoe works properly and for a long time, it is very important to run in the clutch shoe.

Please follow these run-in steps to help ensure proper clutch operation:

❶ Install clutch according to manual.

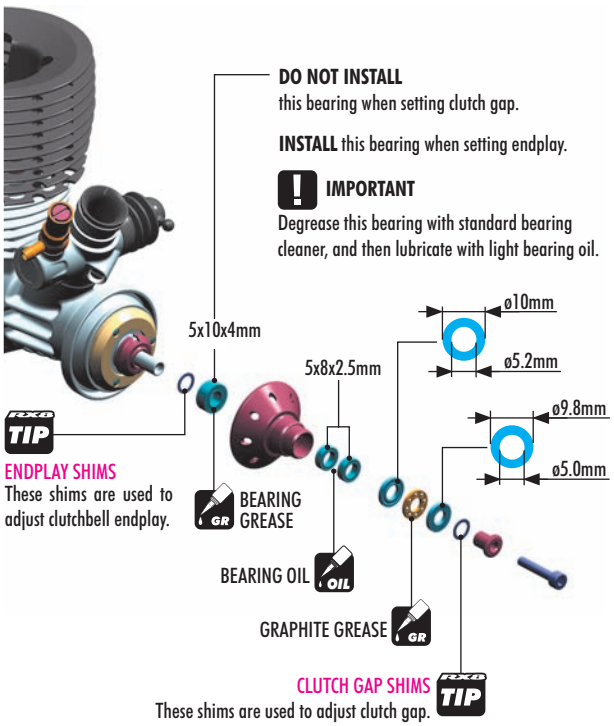
❷ Check that the spring preload is not too much; for run-in process use less preload.

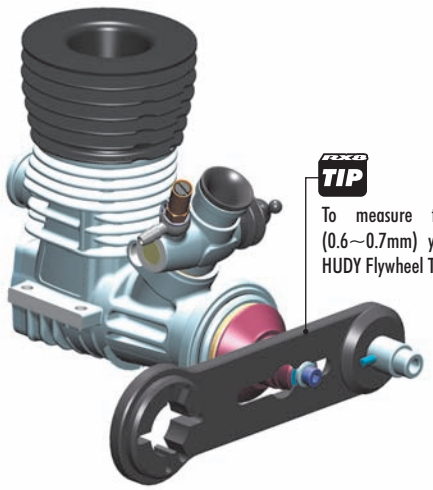
❸ When you start the engine, the clutch should start engage under low RPM.
If the clutch engages only under high RPM, stop the engine and loosen the spring preload collar. Repeat until the clutch engages under low RPM.

❹ Run in the clutch shoe on the track, or on the starter box if you have only limited time.
(We recommend running it in on the track.)

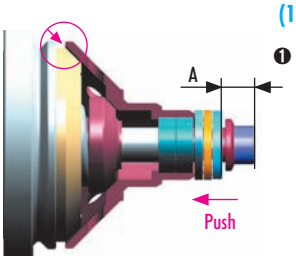
❺ Run in the clutch shoe for 1 tank of fuel using a soft preload setting, and then after that slightly tighten the spring preload. DO NOT run in the clutch shoe under high RPM.

❻ Continue this process until the clutch shoe is properly run in; this will be indicated by a dark and glossy surface colour on the top of the clutch shoe.



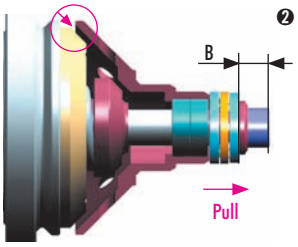


(1) ADJUSTING THE CLUTCH GAP

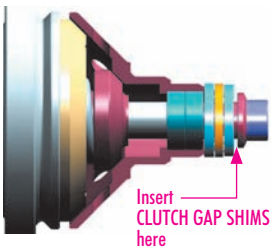


❶ Install the clutchbell, outer ball-bearing (small), and thrustbearing assembly on the engine crankshaft. DO NOT install the inner ball-bearing or internal shims.

Push the clutchbell onto the clutch shoe and measure distance A as indicated.



❷ Pull the clutchbell away from the clutch shoe and measure distance B as indicated.

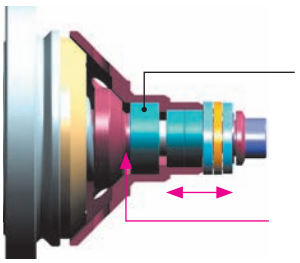


❸ The clutch gap is A - B;
the correct gap is 0.6-0.7mm

If the clutch gap is greater than this, you can easily calculate the thickness of shims required to set correct gap:
Thickness of shims required (in mm) = A-B-0.7

For example, using the values A=5.5mm, B=4.5mm
Shim thickness = 5.5-4.5-0.7=0.3mm

Place shims on the small collar, outside the thrustbearing assembly.

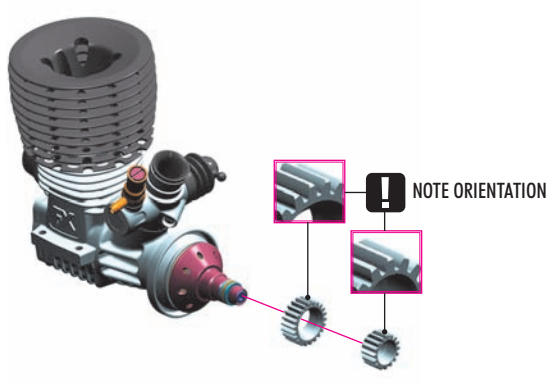


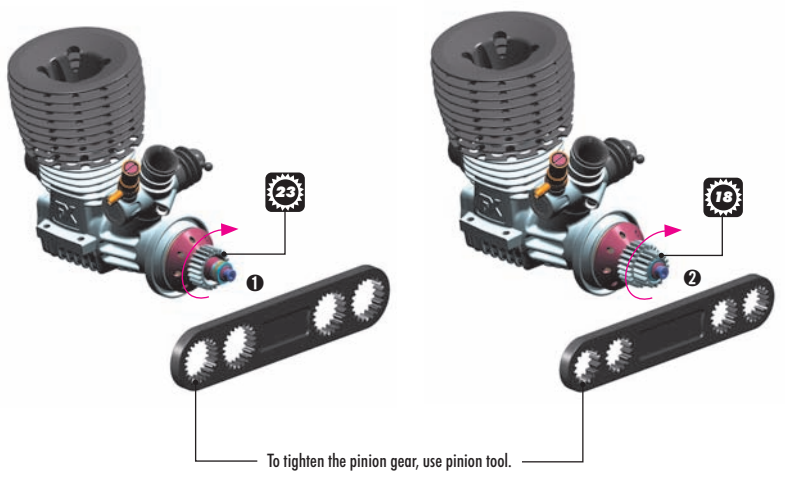
(2) ADJUSTING THE ENDPLAY

Measure endplay with this bearing installed

Apply shims on crankshaft to set endplay to 0.05-0.15mm

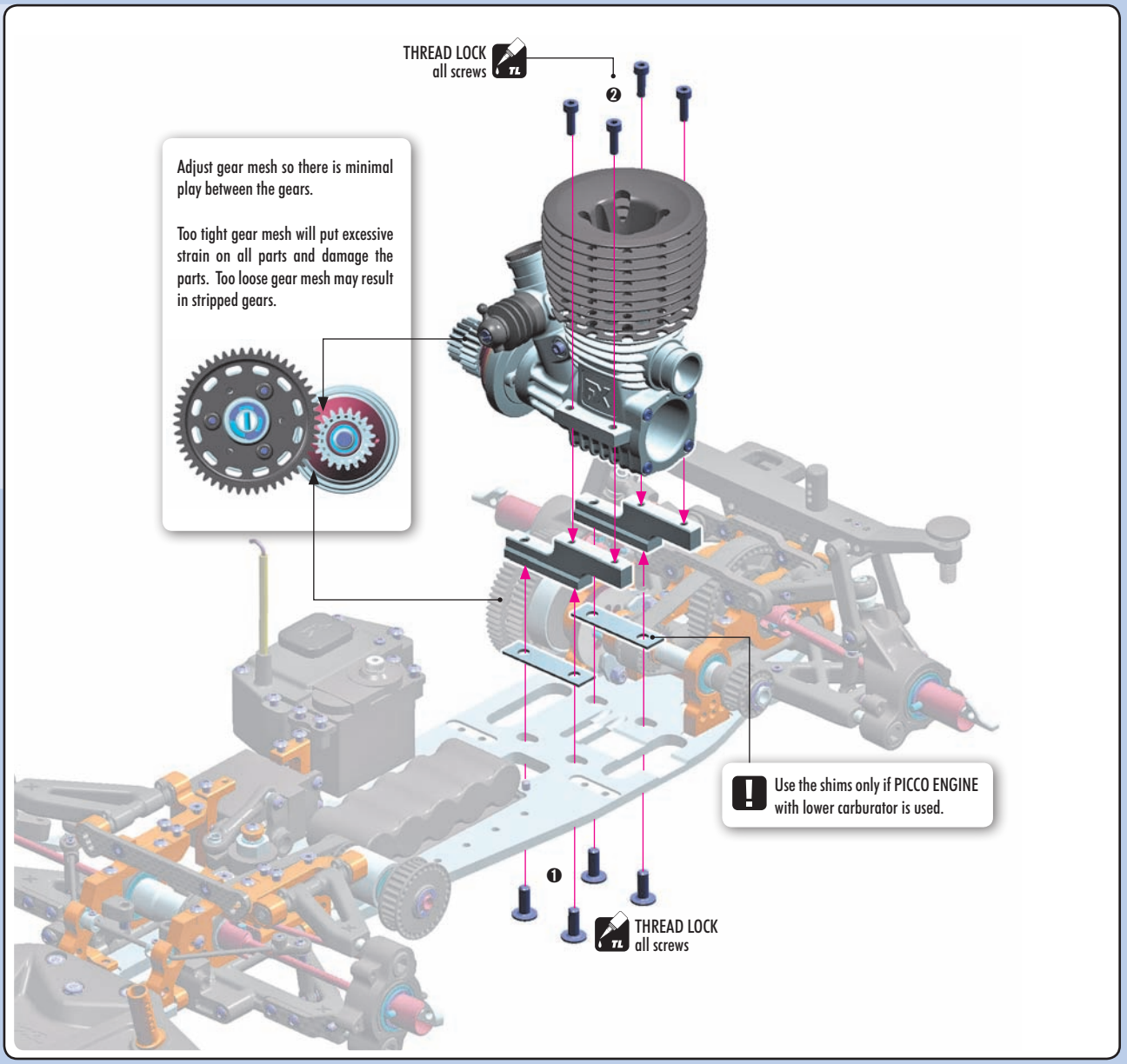
Insert ENDPLAY SHIMS here
(approximately 0.7～1.0mm)



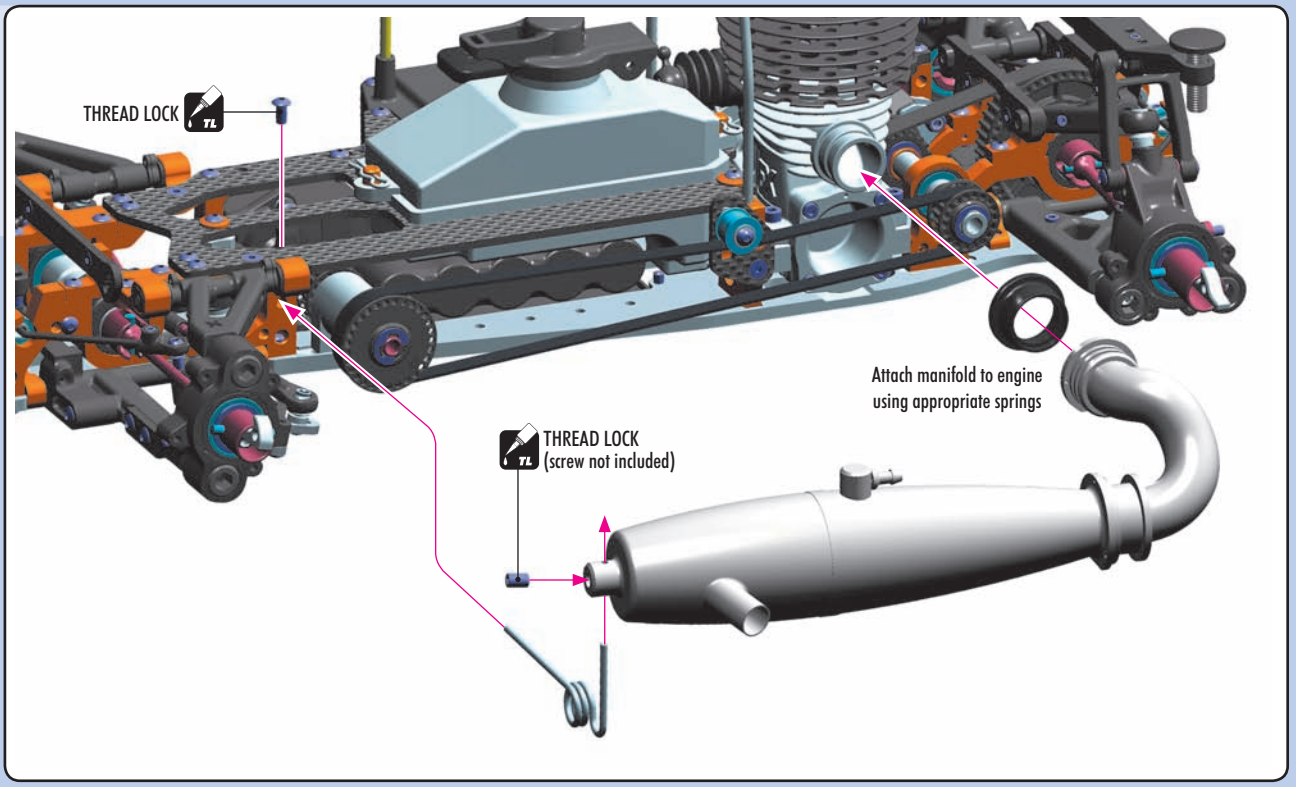


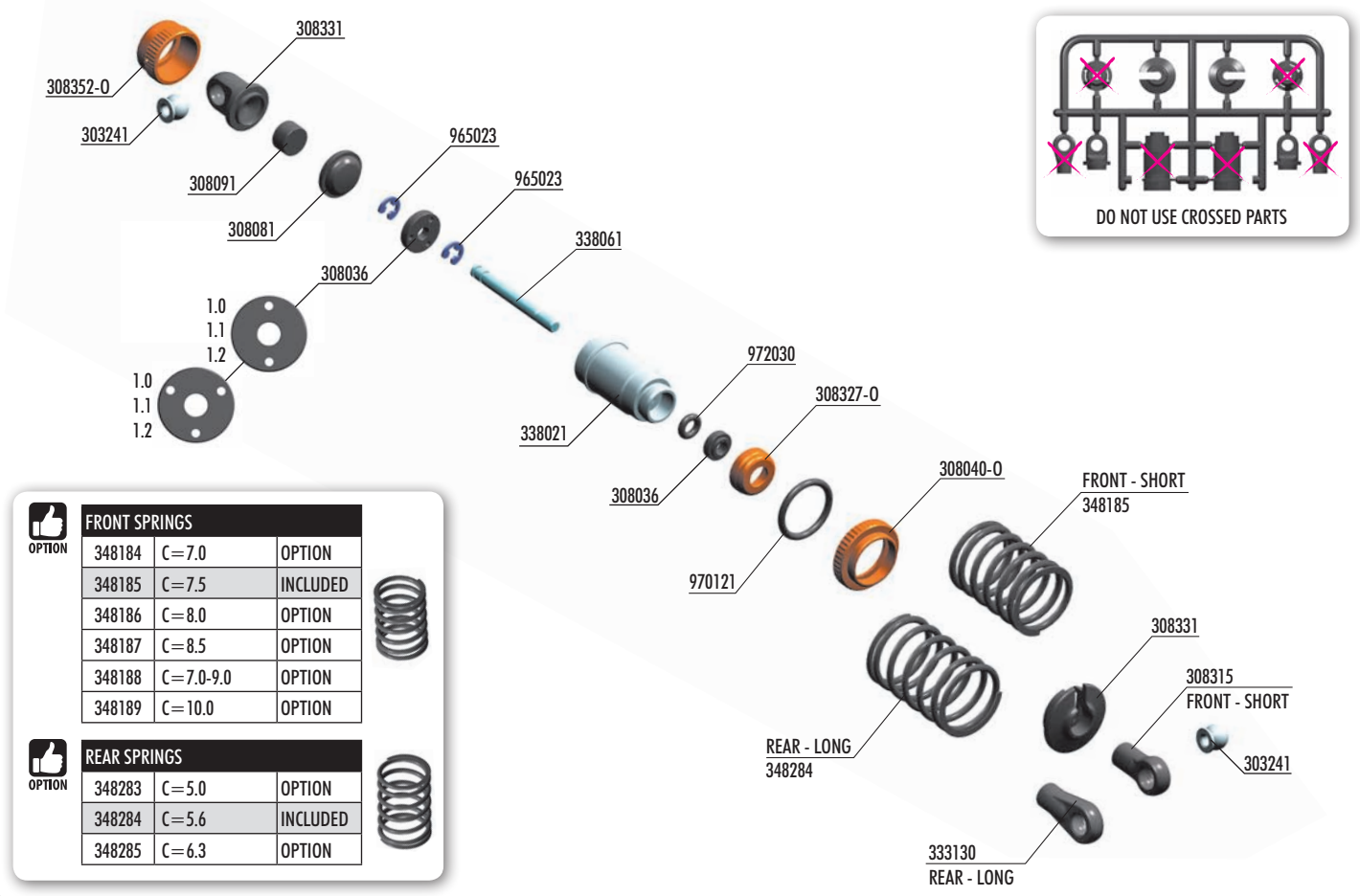
908312
SCH M3x12

911410
SHF M4x10



902306
SH M3x6





DO NOT USE CROSSED PARTS

OPTION

FRONT SPRINGS		
348184	C=7.0	OPTION
348185	C=7.5	INCLUDED
348186	C=8.0	OPTION
348187	C=8.5	OPTION
348188	C=7.0-9.0	OPTION
348189	C=10.0	OPTION

OPTION

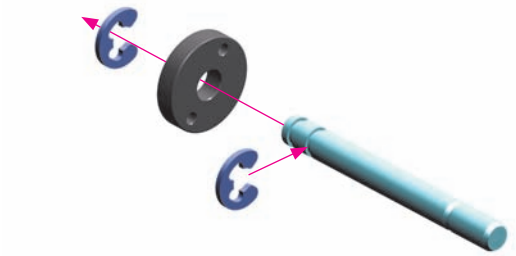
REAR SPRINGS		
348283	C=5.0	OPTION
348284	C=5.6	INCLUDED
348285	C=6.3	OPTION

BAG 09

303241 BALL UNIVERSAL 5.8 MM HEX (4)
308036 COMPOSITE NON-ADJUSTABLE PISTONS - DELRIN™ - V3
308040-O SHOCK ADJ. NUT ALU + O-RING - ORANGE (4)
308081 SHOCK ABSORBER MEMBRANE - LOW (4)
308091 SHOCK FOAM INSERTS - LOW (4)
308315 COMPOSITE SHOCK BALL JOINT - LONG (4)
333130 COMPOSITE REAR UPPER CAMBER LINK BALL JOINT 5.8 MM (4)
308327-O ALU CAP FOR XRAY SHOCK BODY - ORANGE (2)
308331 COMPOSITE FRAME SHOCK PARTS 4-STEP - SHORT
308352-O ALU SHOCK CAP-NUT WITH HOLE - ORANGE (2)
338001-O ALU SHOCK ABSORBER-SET - ORANGE (2)
338021 ALU SHOCK BODY (2)
338061 HARDENED SHOCK SHAFT (2)
348185 XRAY SPRING-SET C=7.5 - FRONT (2)
348284 XRAY SPRING-SET C=5.6 - REAR (2)
965023 E-CLIP 2.3 (10)
970121 O-RING 12.1x1.6 (10)
972030 SILICONE O-RING 3x2 (10)

965023
C 2.3

4x

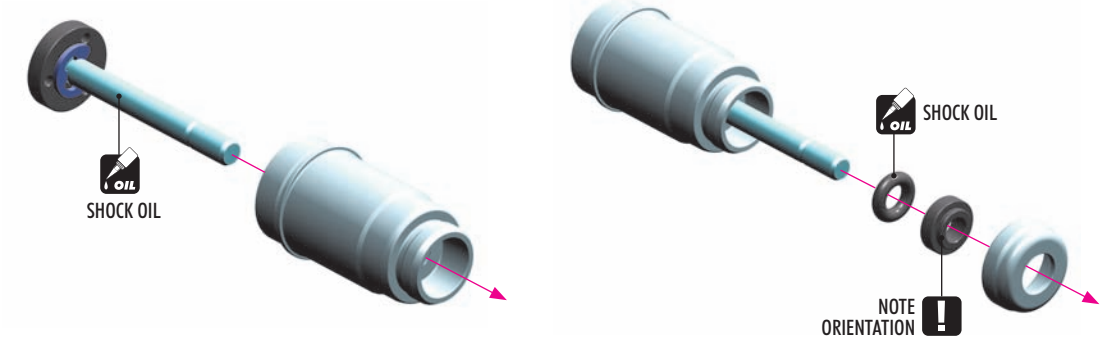


2x FRONT
1.0 — INITIAL SETTING
1.1
1.2

2x REAR
1.0
1.1 — INITIAL SETTING
1.2

972030
O 3x2

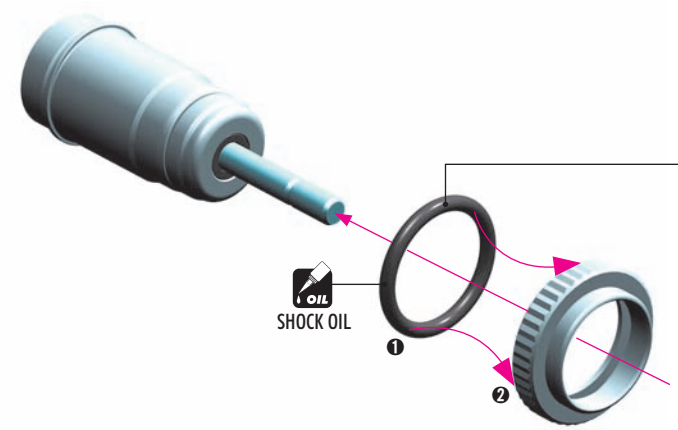
4x



9. SHOCK ABSORBERS

970121
O 12.1x1.6

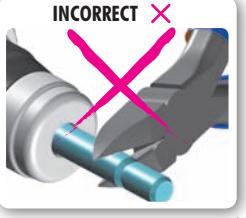
4x



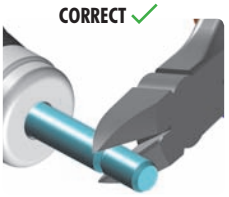
DETAIL

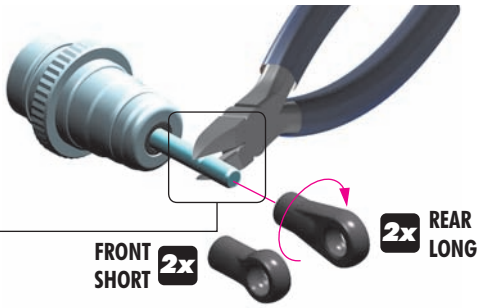
Be careful not to cross-thread the collar on the shock body.

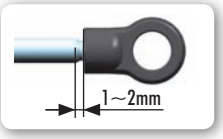
INCORRECT

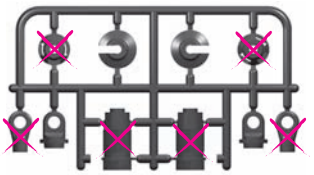


CORRECT







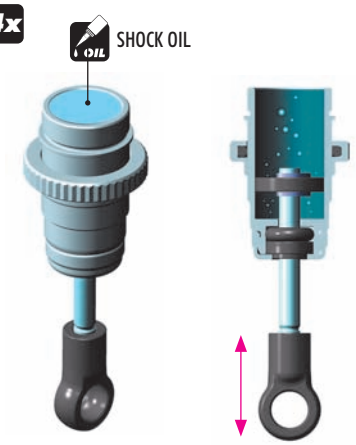


DO NOT USE CROSSED PARTS

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

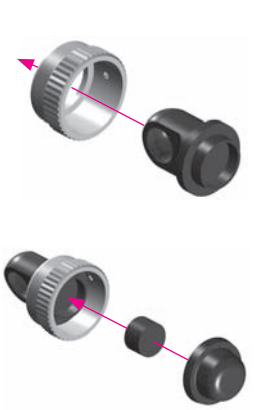
4x



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 until no more air bubbles appear. Add shock oil as necessary.
4. Pull 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.

4x



CUTAWAY VIEW

After you insert the membrane ensure that it sits properly all around the alu cup properly.

4x

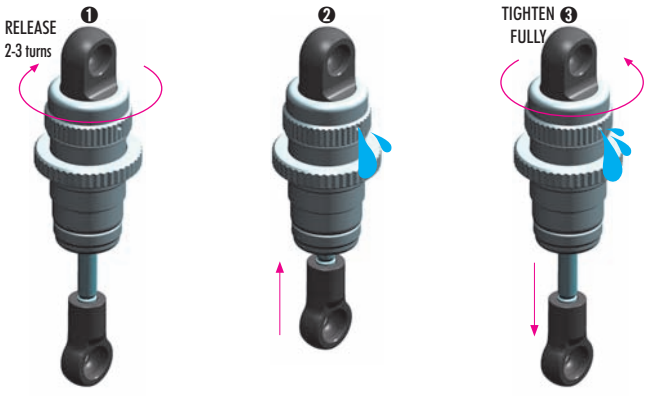
When installing the shock cap assembly on the shock body, some oil will leak out... this is normal.

Fully tighten the cap and clean off any excess oil.

After the shock is assembled, the shock rod will push itself out of the shock body fairly quickly.

Follow the next procedure to adjust the rebound.

4x



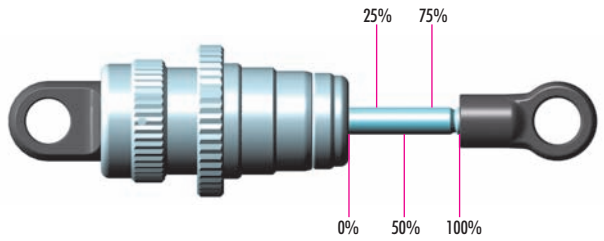
REBOUND ADJUSTMENT

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 cup. 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.



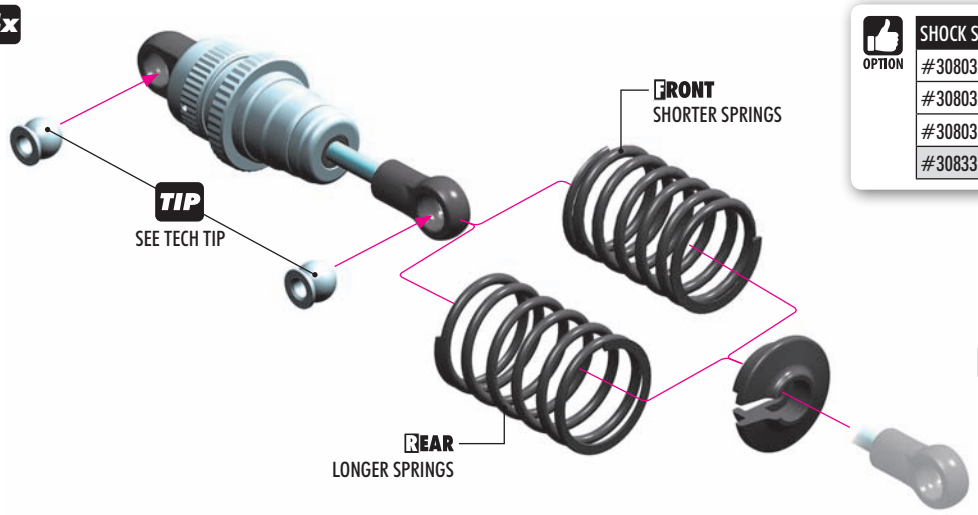
REBOUND CHECK

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 bubles.

100%	rebound - repeat step 2 and 3 two - three times
75%	rebound - repeat step 2 and 3 until the shock shaft will push out 75% of its length
50%	rebound - repeat step 2 and 3 until the shock shaft will push out 50% of its length
25%	rebound - repeat step 2 and 3 until the shock shaft will push out 25% of its length
0%	rebound - repeat step 2 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



OPTION

SHOCK SPRING RETAINING COLLAR		
#308031	ALU - SILVER	OPTION
#308031-O	ALU - ORANGE	OPTION
#308031-K	ALU - BLACK	OPTION
#308331	COMPOSITE	INCLUDED

SHOCK LENGTH ADJUSTMENT

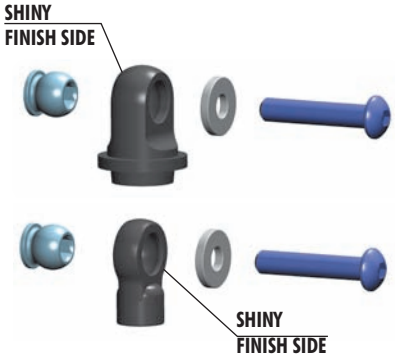
It is VERY important that all shocks are equal length. Fully extend the shock absorber and measure the end-to-end length; we recommend using digital calipers to give an accurate measurement. If a shock absorber is shorter or longer than others, adjust the shock length by tightening or loosening the ball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

TECH TIP

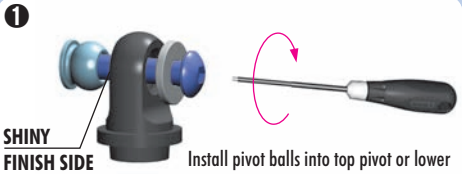
Follow this tech tip to properly install pivot balls into the top pivot and bottom ball joint.

Parts needed:
- M3 x 16 SH screw
- M3 shim

Note that the composite parts have two sides, noticeable around the pivot ball hole: one side has a shiny finish, the other side has a regular finish.

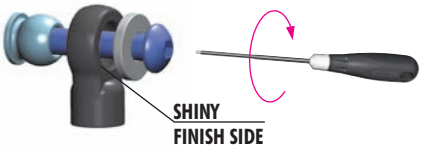


❶

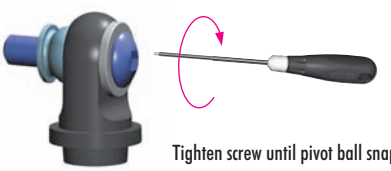


Install pivot balls into top pivot or lower ball joint as shown, on the proper sides.

Note that the lower pivot ball has an extra shoulder.

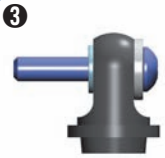


❷



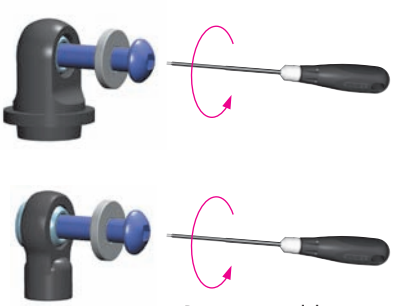
Tighten screw until pivot ball snaps into place

❸



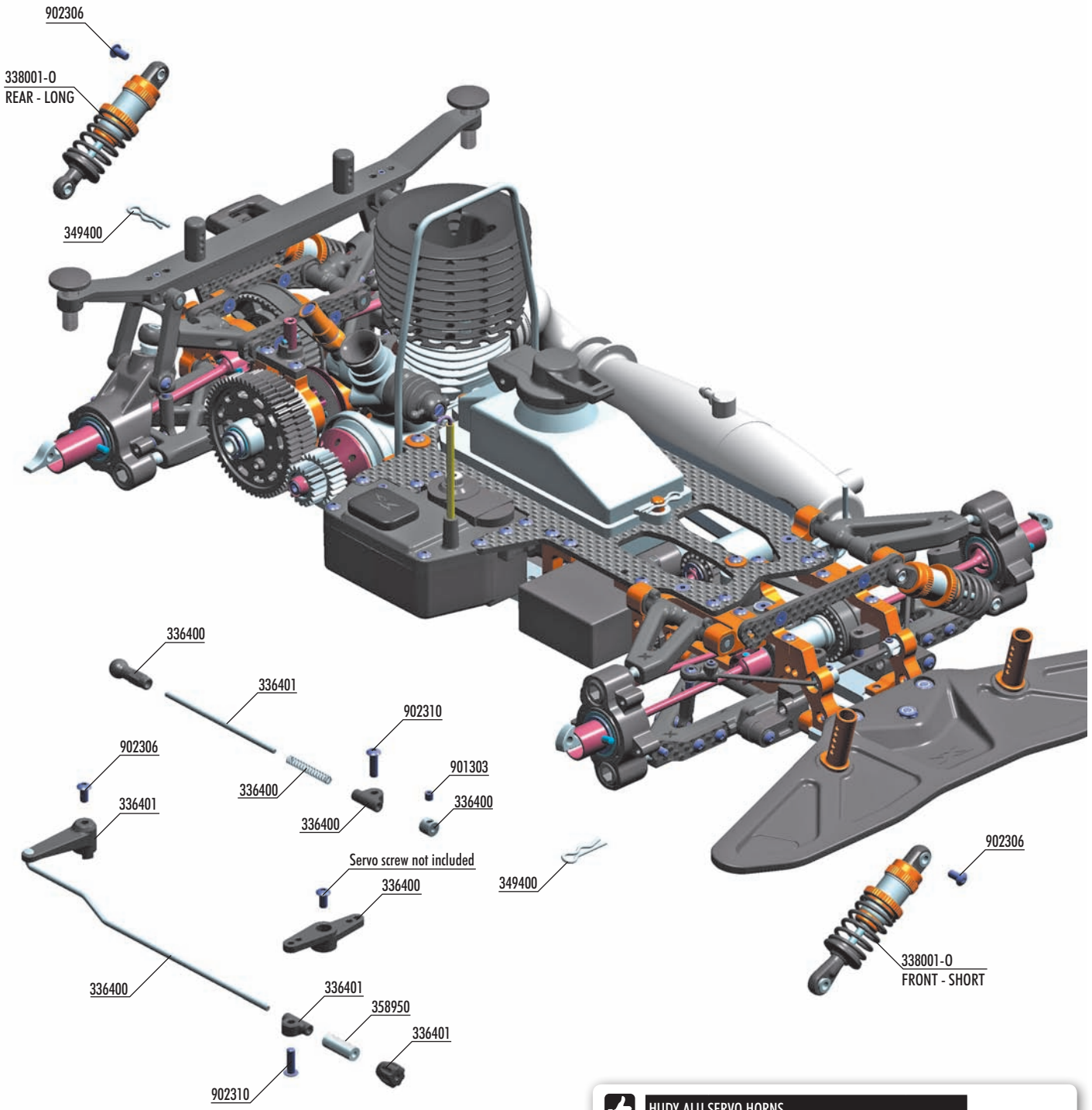
Ensure pivot balls move freely

❹



Remove screw and shim

10. FINAL ASSEMBLY



OPTION

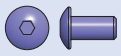
HUDY ALU SERVO HORNS		
#293494	23T KO Propo, Airtronics, JR, Sanwa	OPTION
#293495	24T Hitec	OPTION
#293496	25T Futaba	OPTION

OPTION

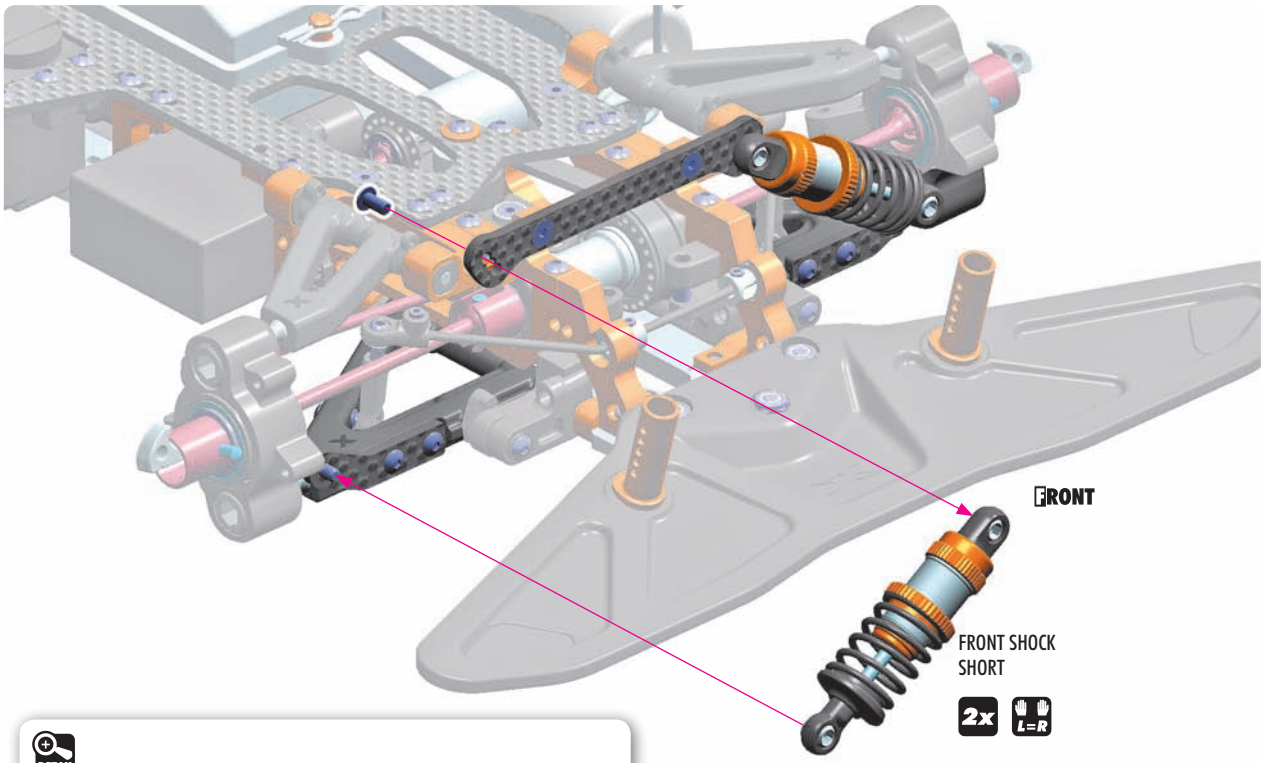
#334061-O
ALU BRAKE POST ARM - SWISS 7075 T6 - ORANGE

BAG 10

336400	THROTTLE LINKAGE SET
336401	BRAKE LINKAGE SET
338001-O	ALU SHOCK ABSORBER-SET - ORANGE (2)
334061-O	ALU BRAKE POST ARM - SWISS 7075 T6 - ORANGE (OPTION)
349400	BODY CLIP (10)
358950	SILICONE TUBING 1M (2.4 x 5.5MM)
901303	HEX SCREW SB M3x3 (10)
902306	HEX SCREW SH M3x6 (10)
902310	HEX SCREW SH M3x10 (10)

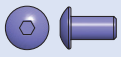


902306
SH M3x6

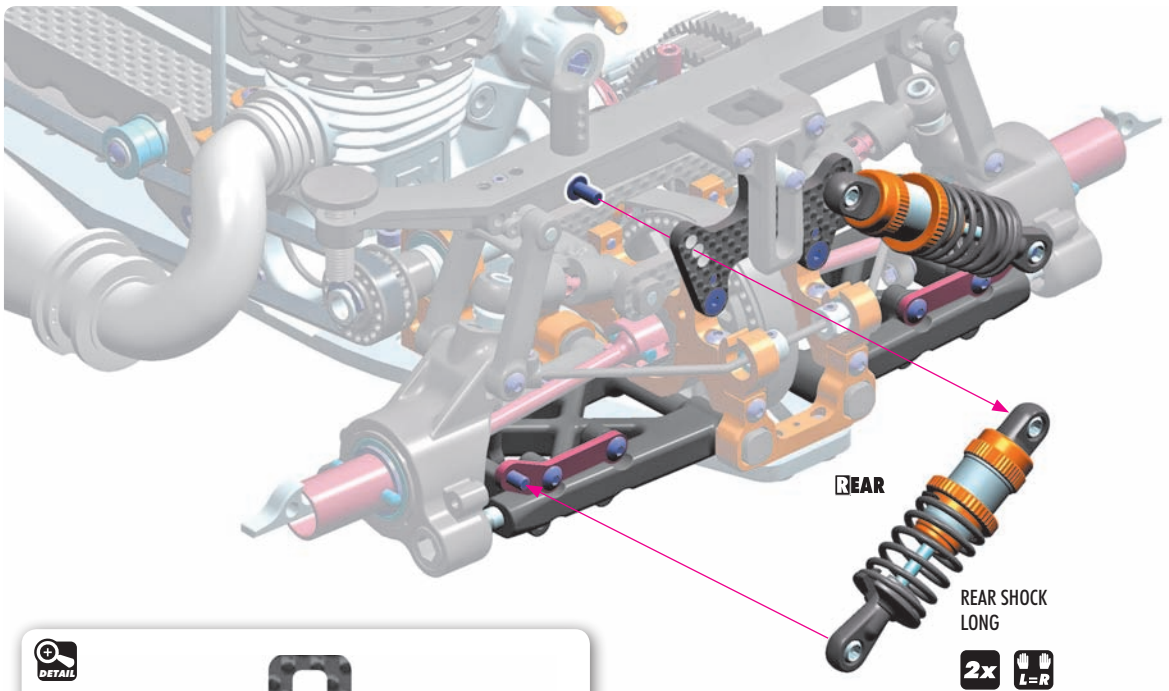


DETAIL

INITIAL SETTING



902306
SH M3x6



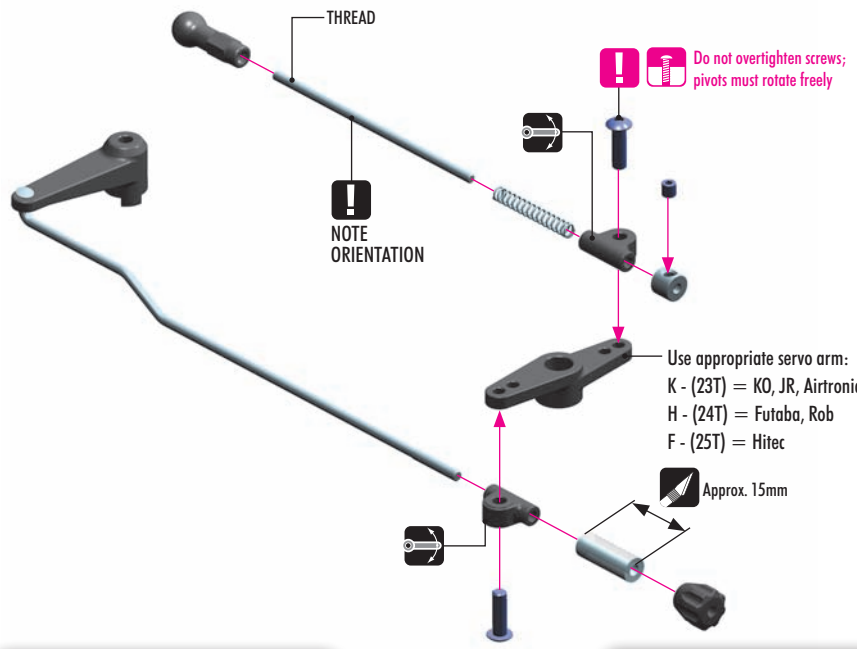
DETAIL

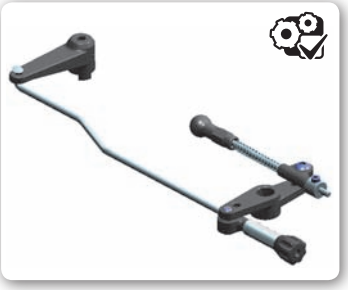
INITIAL SETTING

10. FINAL ASSEMBLY

901303
SB M3x3

902310
SH M3x10





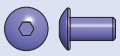
Insert rod through hole in brake arm. Bend rod to proper shape.

OPTION

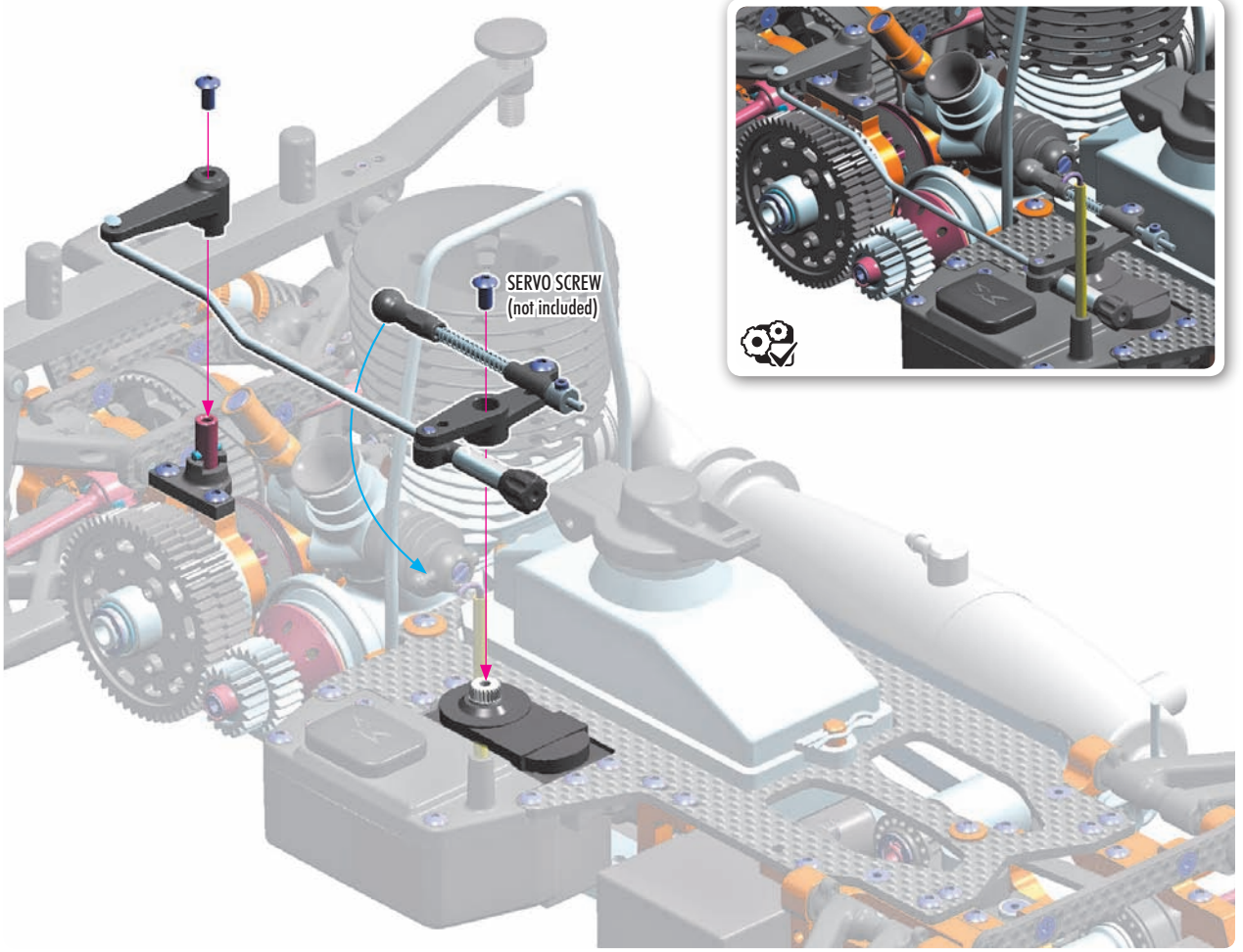
HUDY ALU SERVO HORNS		
#293494	23T KO Propo, Airtronics, JR, Sanwa	OPTION
#293495	24T Hitec	OPTION
#293496	25T Futaba	OPTION

OPTION

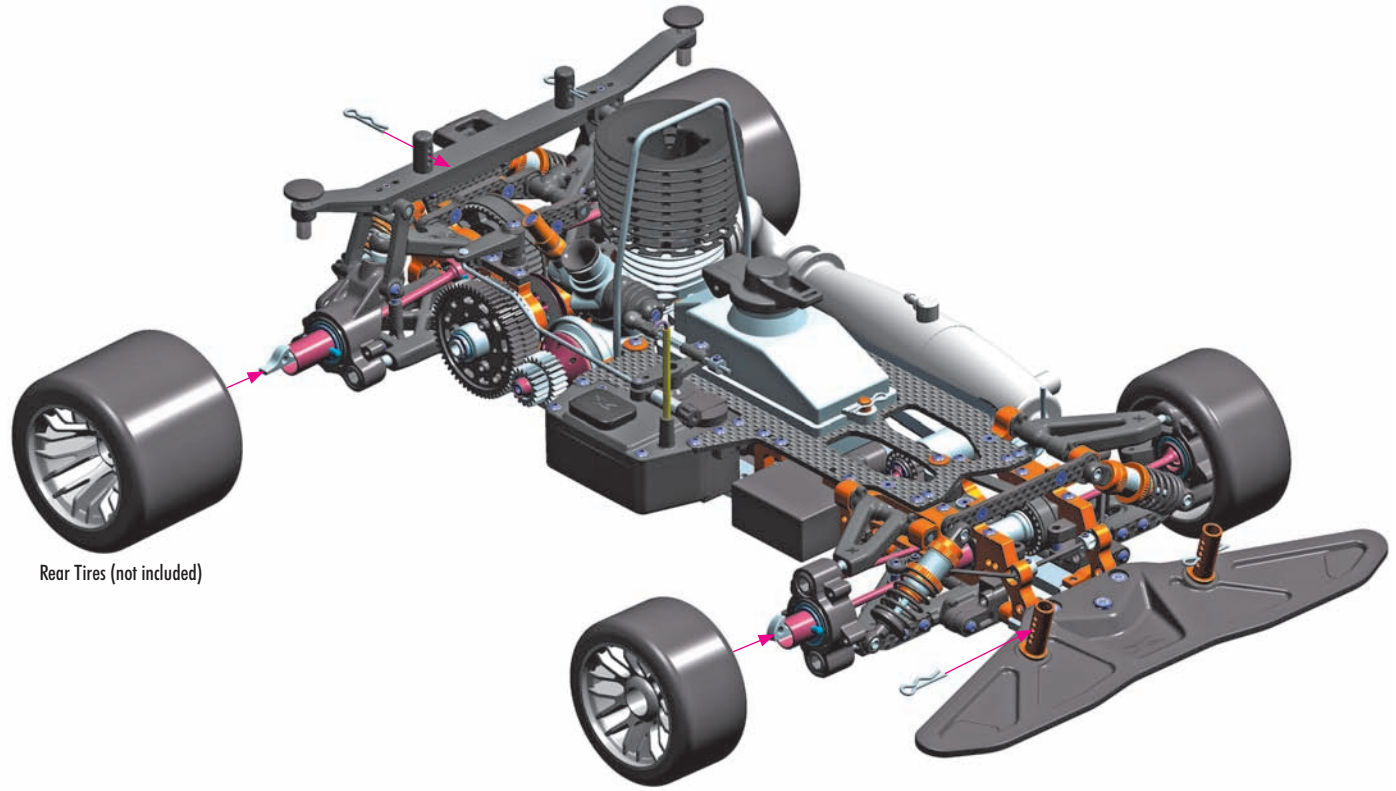
#334061-O
ALU BRAKE POST ARM - SWISS 7075 T6 - ORANGE



902306
SH M3x6



4x

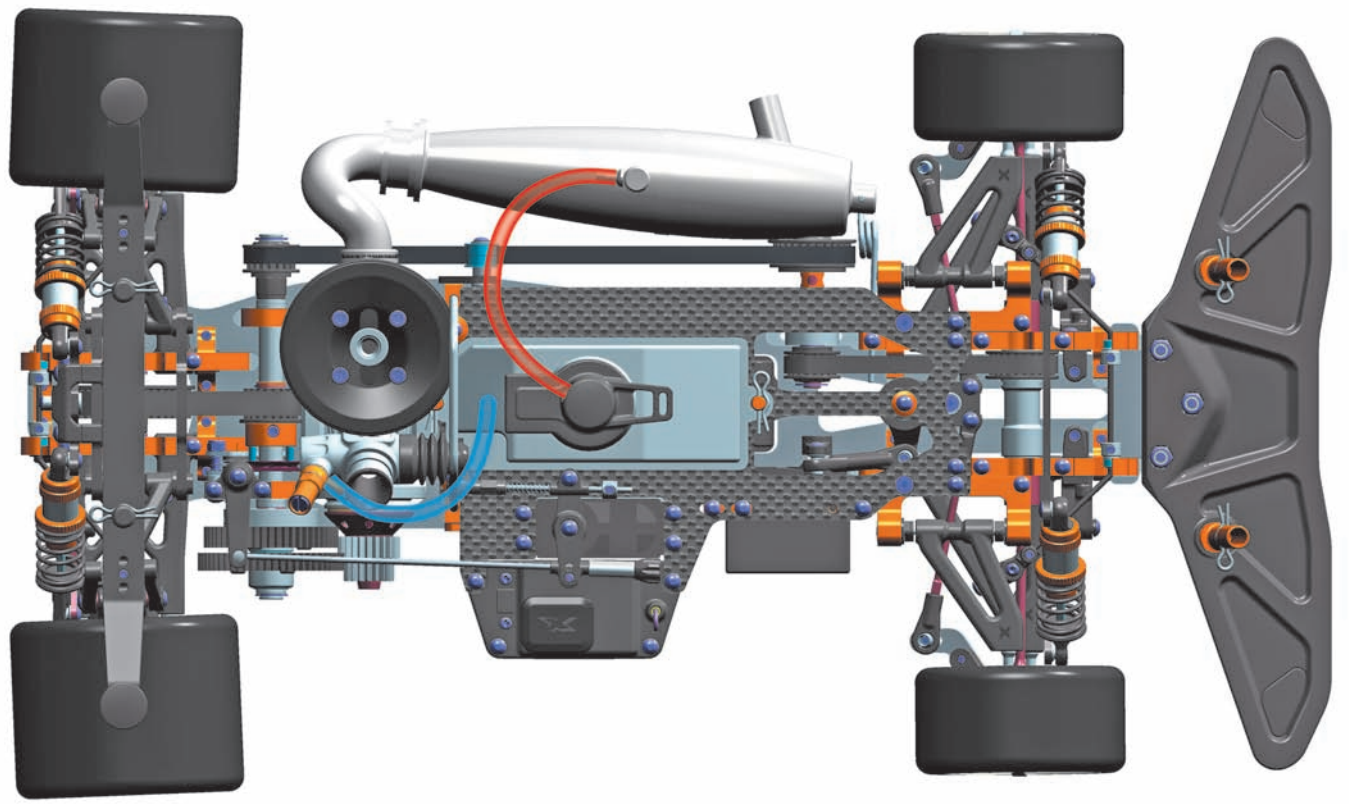


Rear Tires (not included)

Front Tires (not included)

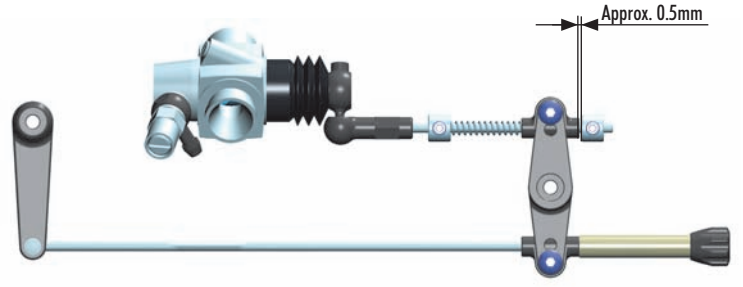
Cut 2 pieces of silicone tubing and install as follows: SILICONE TUBE MARKED AS
RED = FROM MUFFLER TO FUEL TANK CAP

SILICONE TUBE MARKED AS
BLUE = FROM FUEL TANK TO CARBURETOR



CARB LINKAGE ADJUSTMENT

NEUTRAL (IDLE)

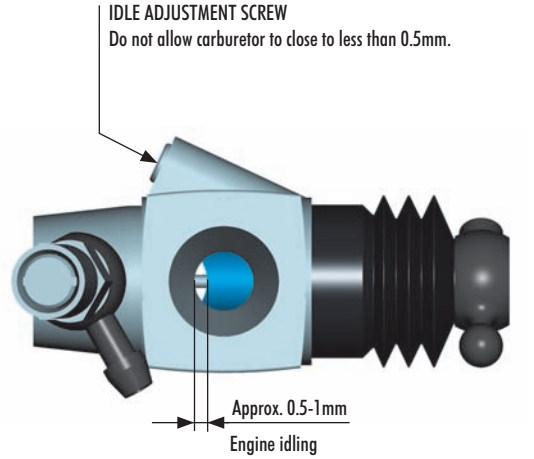


Turn on transmitter and receiver and set the throttle servo trim to the neutral position.

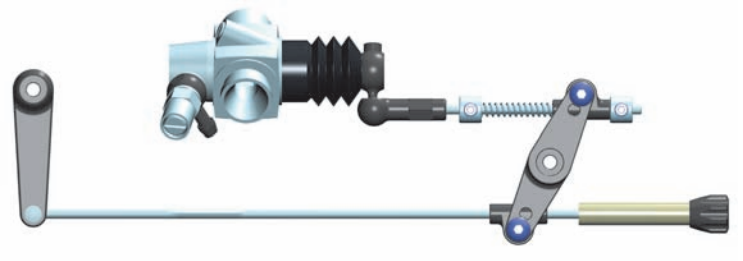
Adjust the idle adjustment screw on the carburetor to open approx. 0.5-1mm.

Adjust both collars on the carb and brake linkages accordingly. The carb linkage must have approximately 0.5mm of preload on the spring at neutral.

DO NOT ADJUST while the engine is running.



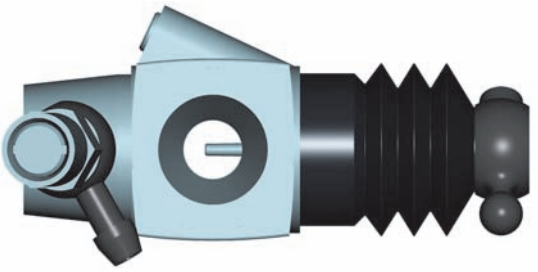
FULL THROTTLE



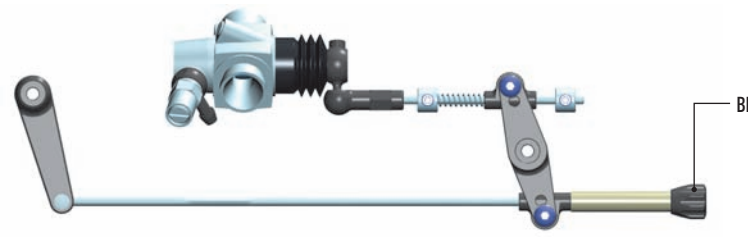
With the engine NOT RUNNING but the receiver turned ON, apply full throttle at the transmitter.

Adjust the transmitter's throttle servo high-end point so that the servo horn fully opens the carburetor when the transmitter's throttle control (e.g., throttle trigger) is at 95% of full throttle. The servo should not have excessive strain when at full throttle, or throttle/carb damage will result.

If the transmitter does not have throttle high-end point adjustment, adjust the throttle linkage pivot position on the servo horn until full throttle is obtained.

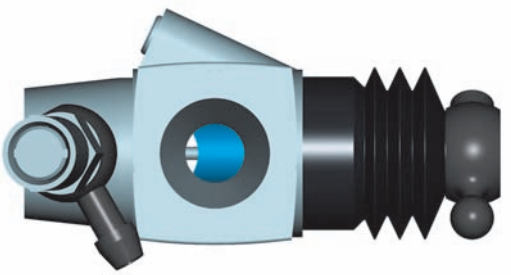


BRAKE



Adjust the composite collar on the brake linkage so the brakes work smoothly.

If the brakes apply too much or not enough, adjust the collar accordingly. If your transmitter has throttle servo low-end point adjustment (or brake adjustment), use that to set the appropriate amount of throttle servo horn throw.



SET-UP SHEET

XRAY RX8'16

RACE	
TRACK	
NAME	DATE
CITY	COUNTRY

TEMPERATURE / °F or °C	AIR	TRACK

LAPS		BEST LAP TIME	sec
QUALIFYING POSITION		FINAL POSITION	

TRACKS

TRACK CONDITION	☐ SMOOTH	☐ MEDIUM	☐ BUMPY
	☐ TECHNICAL	☐ MIXED	☐ FAST
TRACK TRACTION	☐ LOW	☐ MEDIUM	☐ HIGH

GEARING

PINION	1ST	17 ☐	18 ☐	19 ☐	SPUR	1ST	57 ☐	58 ☐	59 ☐	60 ☐
	2ND	22 ☐	23 ☐	24 ☐		2ND	53 ☐	54 ☐	55 ☐	
PULLEY		28 ☐	29 ☐	30 ☐	RATIO 1ST			RATIO 2ND		

FRONT	SHOCKS	REAR
	SPRING	
cSt	OIL	cSt
%	REBOUND	%
☐ YES ☐ NO	FOAM INSERTS	☐ YES ☐ NO
☐ 2 HOLES ☐ 3 HOLES ☐ OTHER	PISTONS	☐ 2 HOLES ☐ 3 HOLES ☐ OTHER
☐ 1.0 mm ☐ 1.1 mm ☐ 1.2 mm		☐ 1.0 mm ☐ 1.1 mm ☐ 1.2 mm

☐ 0° ☐ 30° ☐ 45° ☐ 60° ☐ 90°	ANTI-ROLL BAR	
	BLADE	STANDARD ☐ ☐ 0.7 mm
FRONT	WIRE	REAR
mm		mm

FRONT LEFT	FRONT RIGHT	TIRES	REAR LEFT	REAR RIGHT
		MANUFACTURER		
°	°	SHORE /degr.	°	°
mm	mm	DIAMETER	mm	mm
mm	mm	5 MIN. WEAR	mm	mm
		RUBBER TIRES		

ENGINE

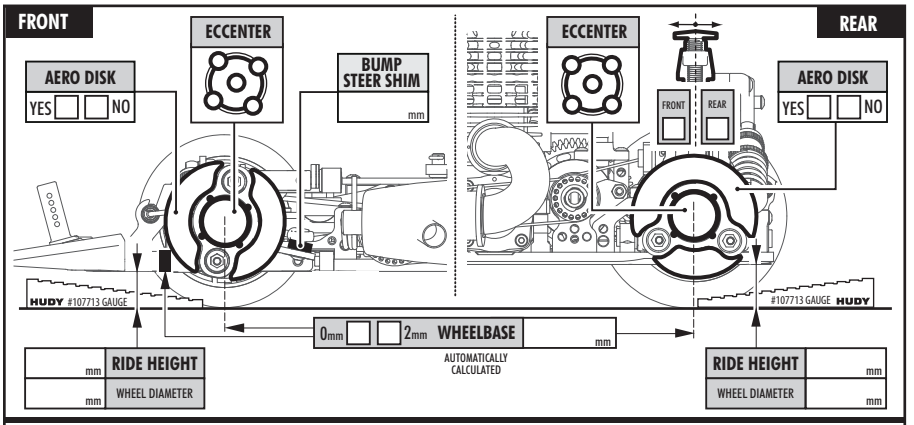
ENGINE		FUEL	
CARB. DIA /mm		HEAD CLEARANCE	PLUG
MUFFLER		MANIFOLD	

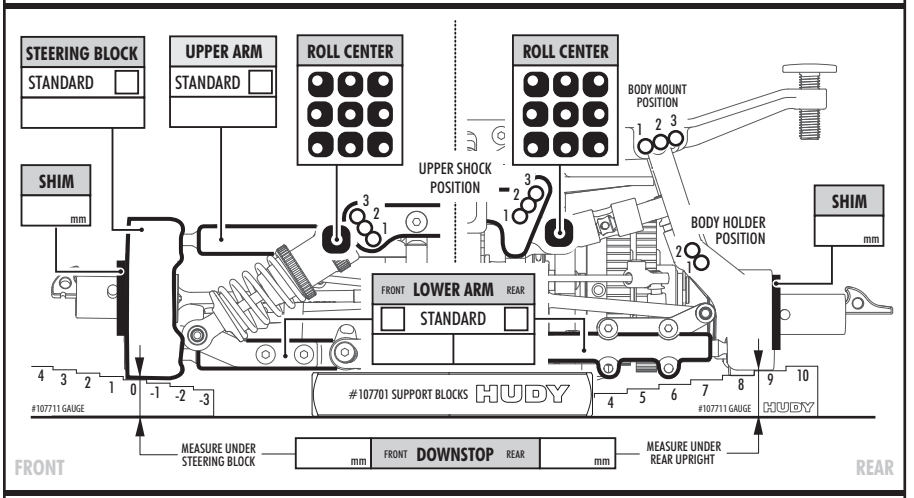
CLUTCH / BRAKE

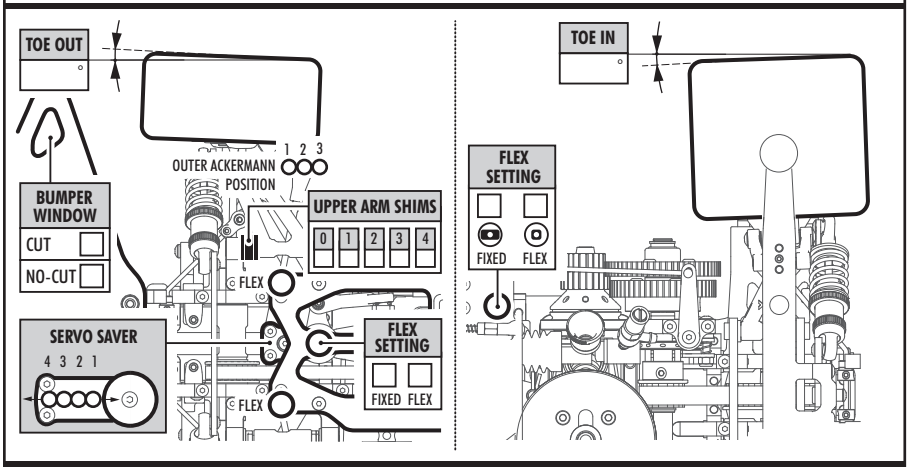
CLUTCH TYPE	☐ STANDARD	OTHER
CLUTCH BELL	☐ STANDARD	☐ ALU OTHER
CLUTCH SHOE	☐ STANDARD	OTHER
CLUTCH SPRING	☐ STANDARD	OTHER
CLUTCH FLY WEIGHT	☐ 3mm Set screw	☐ 4mm Set screw ☐ WITHOUT
CLEARANCE /mm		
SPRING PRELOAD /mm		
BRAKE PAD	☐ STANDARD	OTHER
BRAKE DISC	☐ STANDARD	OTHER

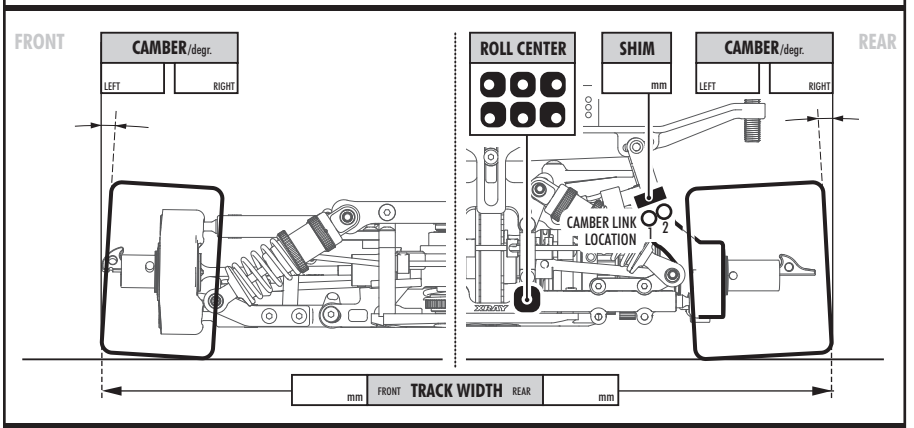
BODY	
WING	HEIGHT

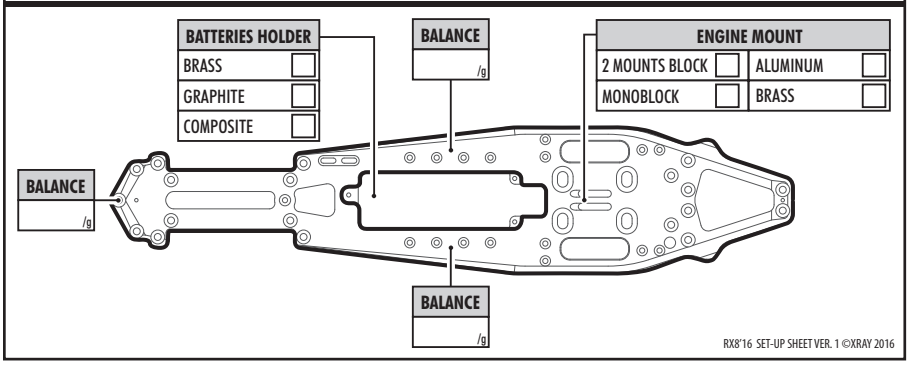
COMMENTS











RX8'16 SET-UP SHEET VER. 1 ©XRAY 2016

www.teamxray.com

XRAY EUROPE

XRAY, K VÝSTAVISKU 6992, 91101 TRENCIN, SLOVAKIA, EUROPE
PHONE: +421-32-740 11 00, FAX: +421-32-740 11 09, info@teamxray.com

XRAY USA

RC AMERICA, 2030 Century Center Blvd #15, Irving, TX 75062, USA
PHONE: 214-744-2400, FAX: 214-744-2401, xray@rcamerica.com

MADE IN EUROPE SLOVAKIA

/TeamXray /TeamXray /TeamXray /XrayRacing /+TeamXrayRC /XrayRacing