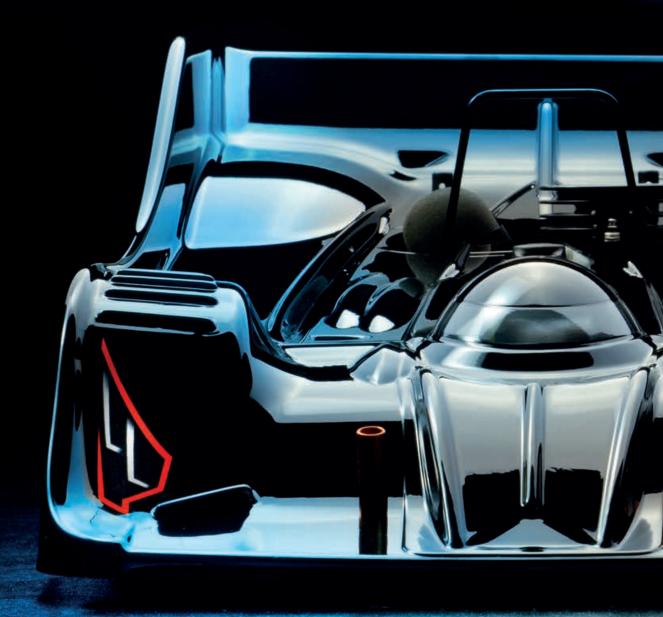
1/8 NITRO ON-ROAD CAR



INSTRUCTION MANUAL
XRAY RX8'26

#### **BEFORE YOU START**

This is a high-competition, high-quality RC car intended for persons aged 16 years and older with previous experience building and operating RC model racing cars. This is not a toy; it is a precision racing model. This model racing car is not intended for use by beginners, inexperienced customers, or by children without direct supervision of a responsible, knowledgeable adult. If you do not fulfill these requirements, please return the kit in unused and unassembled form back to the shop where you have purchased it.

Before building and operating your XRAY, YOU MUST read through all of the operating instructions and instruction manual and fully understand them to get the maximum enjoyment and prevent unnecessary damage. Read carefully and fully understand the instructions before beginning assembly.

Make sure you review this entire manual, download and use set-up book from the web, and examine all details carefully. If for some reason you decide this is not what you wanted or expected, do not continue any further. Your hobby dealer can not accept your kit for return or exchange after it has been partially or fully assembled.

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

XRAY USA

75062

USA

RC America, 2030 Century Center Blvd #15 Irving, TX

#### **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.feamxray.com

CAUTION: CANCER HAZARD

**XRAY Europe** K Výstavisku 6992 91101 Trenčín Slovakia, EUROPE Phone: +421-32-7401100 Fax: +421-32-7401109

Phone: (214) 744-2400 Fax: (214) 744-2401 Email: info@teamxray.com 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.

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

- 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**

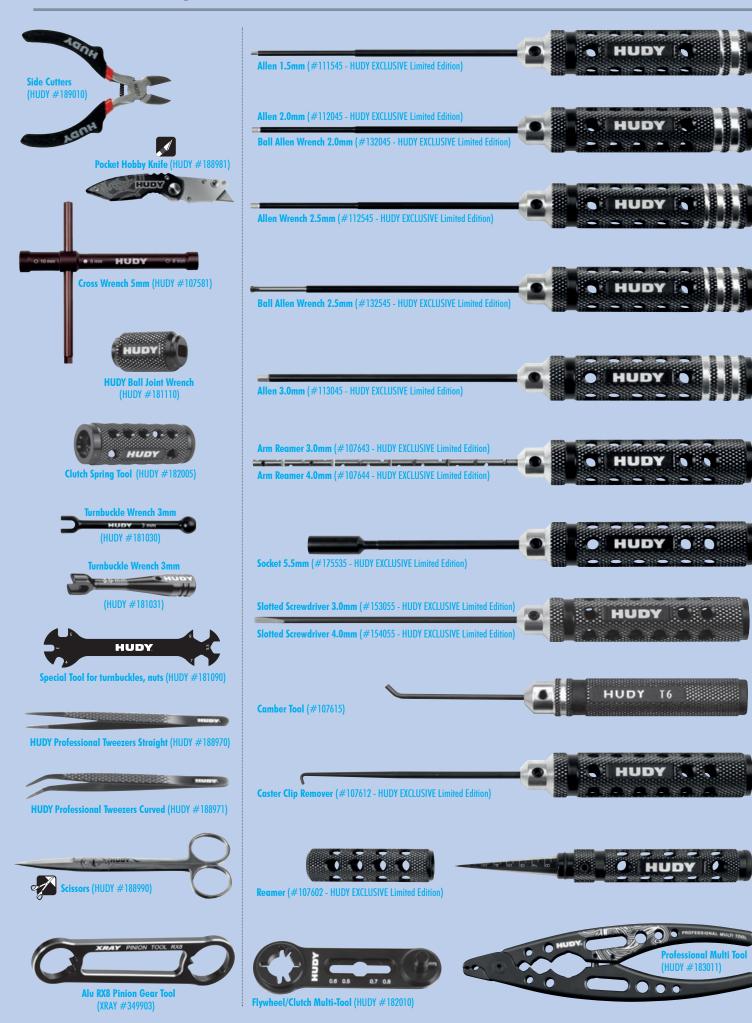
XRAY MODEL RACING CARS uses only the highest quality materials, the best compounds for molded parts and the most sophisticated manufacturing processes of TQM (Total Quality Management). We guarantee that all parts of a newly-purchased kit are manufactured with the highest regard to quality. However,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

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.





#### **EQUIPMENT INCLUDED**



600cSt (#106360) **HUDY Premium Silicone Oils** 





(HUDY #106210) Premium Graphite Grease



#### SYMBOLS USED



Apply threadlock

Apply grease



Ensure smooth non-binding movement

Assembled as many times as specified



Assembled in the specified order



Part bags used



Cut off remaining material



Pay attention here

TIP Follow tip here



Assembled view Optional parts



Assembled left and right sides the same way



Assembled with pliers

### **COLOR INDICATIONS**

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

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

341135

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

341134 345001

346132

 $\textbf{STYLE C} - indicates \ parts \ that \ are \ already \ assembled \ from \ previous \ steps.$ 

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

STYLE D - indicates parts that are optional.

#### **EQUIPMENT REQUIRED**





Double-sided Tape

(HUDY #107875)







Steering and Throttle Servos











**Battery Charger** 













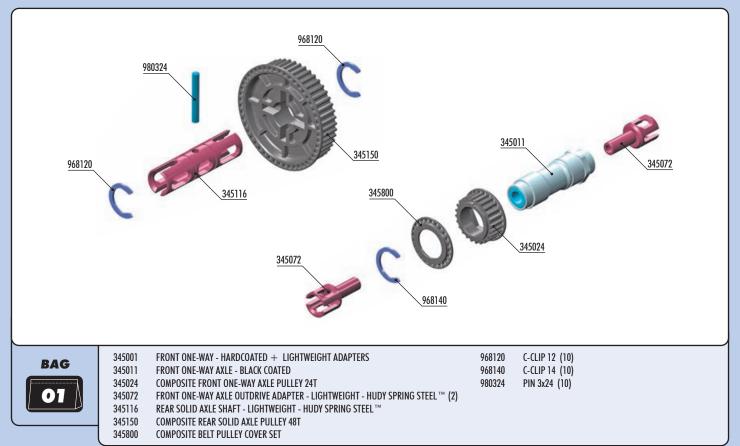




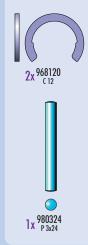




### 1. FRONT ONE-WAY & REAR SOLID AXLE



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

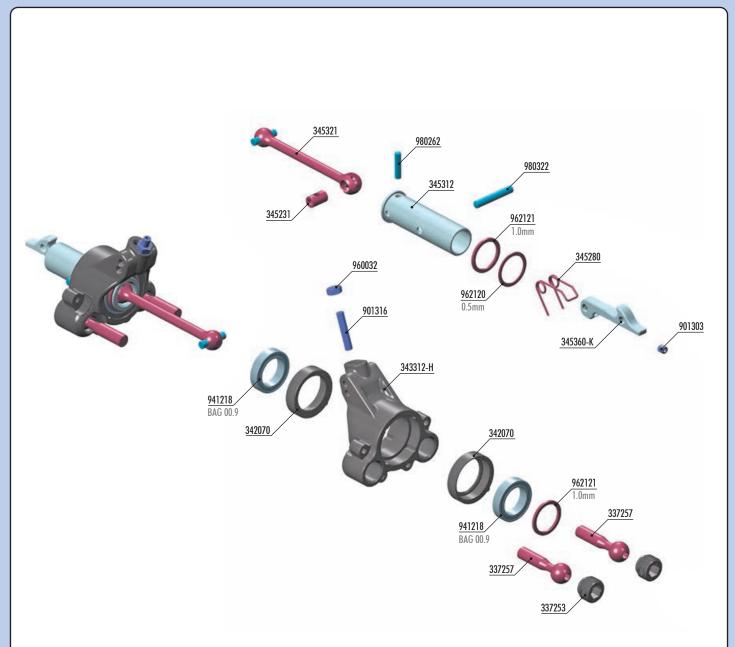








### 2. REAR SUSPENSION







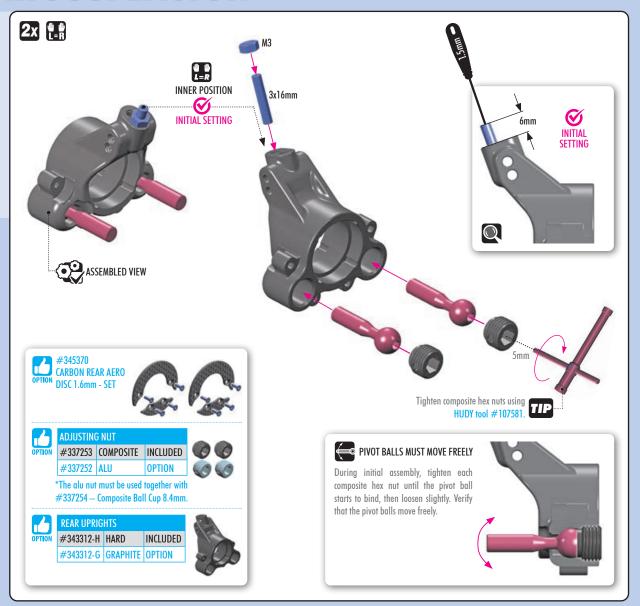


COMPOSITE ADJUSTING NUT M10x1 (4) 337253 337257 STEEL PIVOT BALL 8.4mm (2) 342070 COMPOSITE SET OF BUSHINGS (2) 343312-H COMPOSITE UPRIGHT REAR FOR AERO DISC - MODIFIED - HARD 345231 DRIVE SHAFT COUPLING - HUDY SPRING STEEL™ 345280 WHEEL SPRING (2) ALU REAR CVD DRIVE AXLE - SWISS 7075 T6 - HARD COATED 345312 345321 REAR CVD DRIVE SHAFT 61mm - HUDY SPRING STEEL 345360-K ALU REAR WHEEL LOCK - SWISS 7075 T6 - BLACK (2)

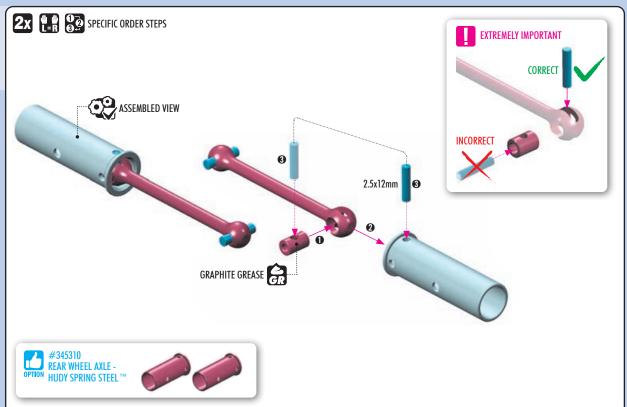
901303 HEX SCREW SB M3x3 (10)
901316 HEX SCREW SB M3x16 (10)
941218 BALL-BEARING 12x18x4 RUBBER SEALED - OIL (2)
960032 NUT M3 - BLACK (10)
962120 WASHER S 12x15x0.5 (10)
962121 WASHER S 12x15x1.0 (10)
980262 PIN 2.5x12 (10)
980322 PIN 3x22 (10)

# 2. REAR SUSPENSION

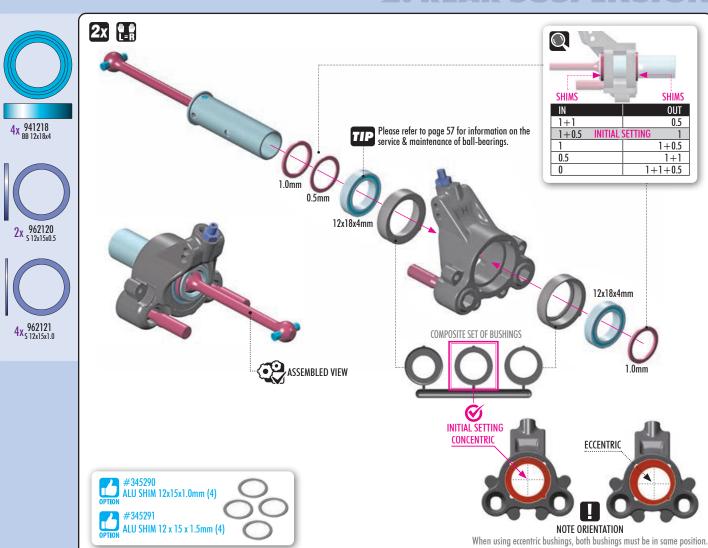


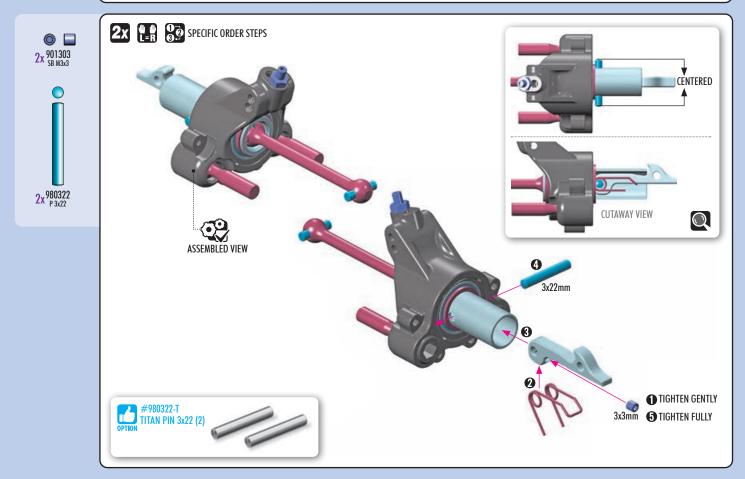


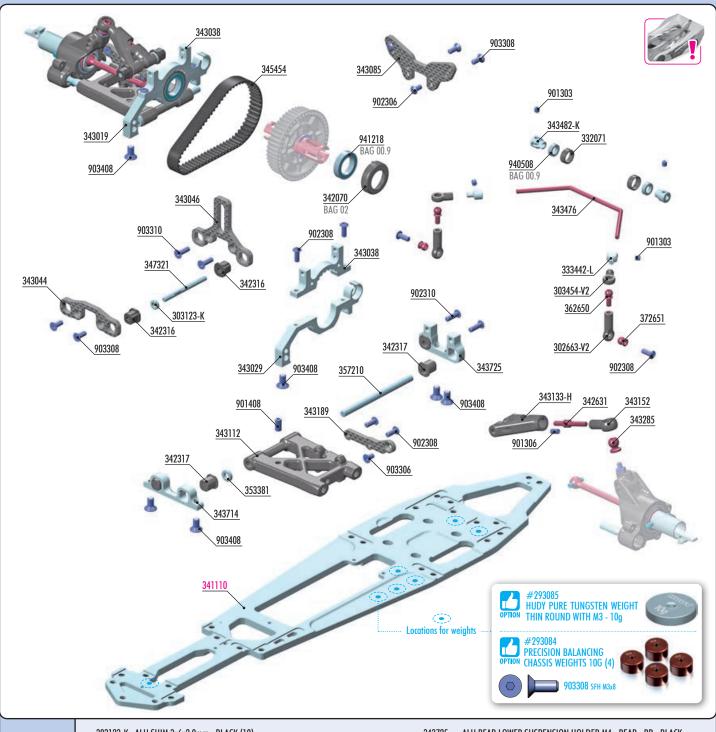




# 2. REAR SUSPENSION



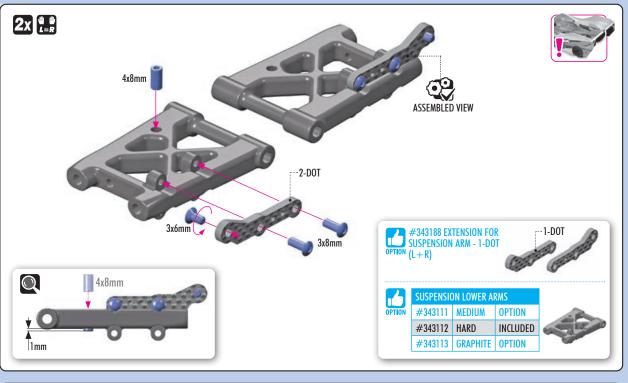




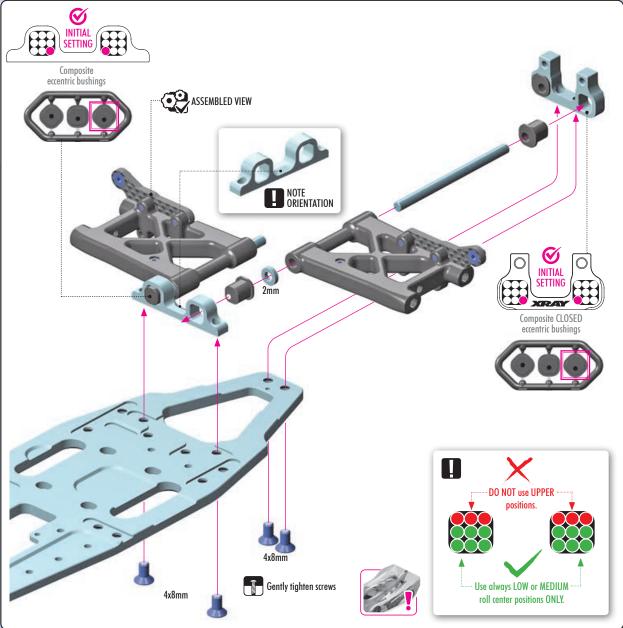


	K ALU SHIM 3x6x2.0mm - BLACK (10)	343725	ALU REAR LOWER SUSPENSION HOLDER M4 - REAR - RR - BLACK
	V2 COMPOSITE BALL JOINT 4.9mm - OPEN (8)	345454	PUR® REINFORCED DRIVE BELT REAR 9.0 x 201mm
303454	V2 COMPOSITE BALL JOINT 4.9mm - OPEN (4)	347321	REAR UPPER INNER PIVOT PIN WITH FLAT SPOT (2)
332071	COMPOSITE BALL-BEARING HUB (4)	353381	ALU SHIM 4x7.5x2 (4)
333442	L ALU ANTI-ROLL BAR COLLAR ø2.6 - LIGHTWEIGHT (2)	357210	REAR LOWER INNER PIVOT PIN (2)
342070	COMPOSITE SET OF BUSHINGS (2)	362650	BALL END 4.9mm WITH 6mm THREAD (2)
342316	COMPOSITE REAR UPPER SUSP. ECCENTRIC BUSHING (4)	372651	PIVOT BALL UNIVERSAL 4.9mm - HUDY SPRING STEEL™ (2)
342317	COMPOSITE REAR LOWER SUSP. ECCENTRIC BUSHING (4)		
342631	ADJ. TURNBUCKLE L/R 28mm - HUDY SPRING STEEL™ (2)	901303	HEX SCREW SB M3x3 (10)
343019	ALU LOWER BULKHEAD FRONT - SWISS 7075 T6 - RIGHT	901306	HEX SCREW SB M3x6 (10)
343029	ALU LOWER BULKHEAD FRONT - SWISS 7075 T6 - RIGHT ALU LOWER BULKHEAD FRONT - SWISS 7075 T6 - LEFT	901408	HEX SCREW SB M4x8 (10)
343038	ALU UPPER CLAMP REAR - SWISS 7075 T6 - (L+R)	902306	HEX SCREW SH M3x6 (10)
343044	CARBON REAR UPPER ARM HOLDER - FRONT	902308	HEX SCREW SH M3x8 (10)
343046	CARBON REAR UPPER ARM HOLDER & BODY MOUNT GUIDE	902310	HEX SCREW SH M3x10 (10)
343085	CARBON SHOCK TOWER REAR - WIDE	903306	HEX SCREW SFH M3x6 (10)
343285	PIVOT BALL 6.8mm (2)	903308	HEX SCREW SFH M3x8 (10)
343112	SUSPENSION ARM FOR EXTENSION - REAR LOWER - HARD	903310	HEX SCREW SFH M3x10 (10)
343133	H COMPOSITE LONGER SUSPENSION ARM REAR UPPER - HARD	903408	HEX SCREW SFH M4x8 (10)
343152	H COMPOSITE LONGER SUSPENSION ARM REAR UPPER - HARD UPPER BALL JOINT 5.8mm - SHORT & LONG (2+2)	940508	BALL-BEARING 5x8x2.5 RUBBER SEALED - OIL (2)
343189	CARBON EXTENSION FOR REAR SUSPENSION ARM - 2-DOT $(L+R)$	941218	BALL-BEARING 12x18x4 RUBBER SEALED - OIL (2)
343476			• • • • • • • • • • • • • • • • • • • •
343482	K ALU CUTTED ANTI-ROLL BAR COLLAR ø2.6 - BLACK - V2 (2)	341110	ALU CHASSIS 5MM - CNC MACHINED - SWISS 7075 T6
343714	ALU REAR LOWER SUSPENSION HOLDER - FRONT - RF - BLACK		

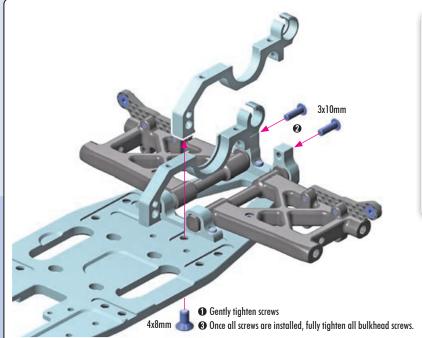


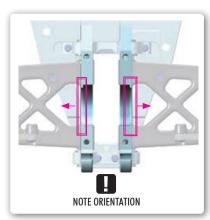






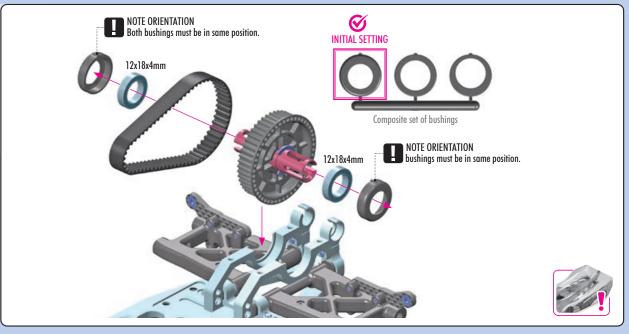




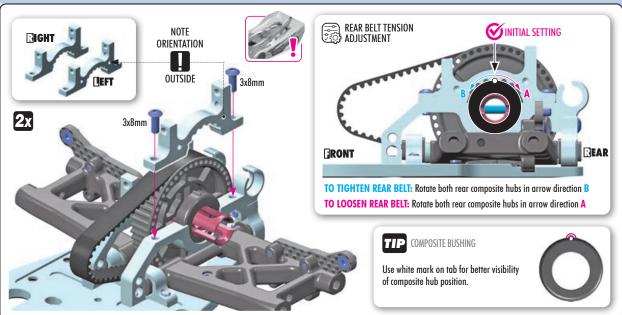


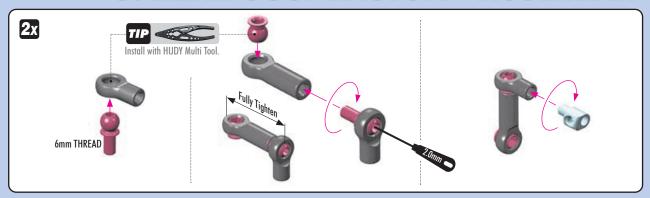




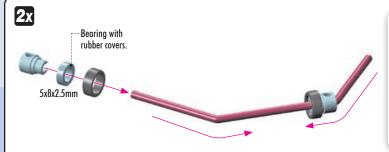






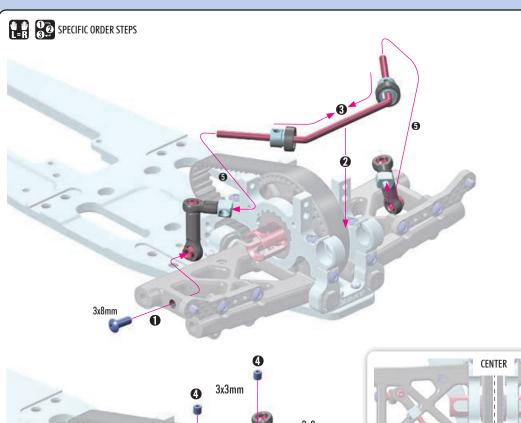




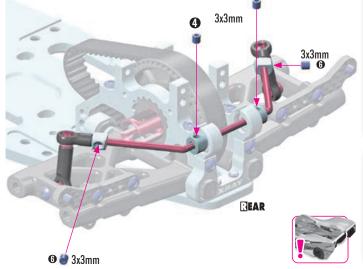


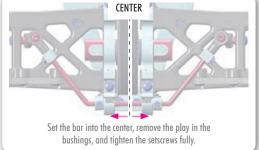
	REAR ANTI-ROLL BARS		COLLARS	
OPTION	\			+ 🖺
	#343476	2.6mm	INCLUDED	#333442 + 343482-K INCLUDED
	#343478	2.8mm	OPTION	#333441 + 343485-K OPTION
	#343479	3.0mm	OPTION	#333441 + 343481-K OPTION









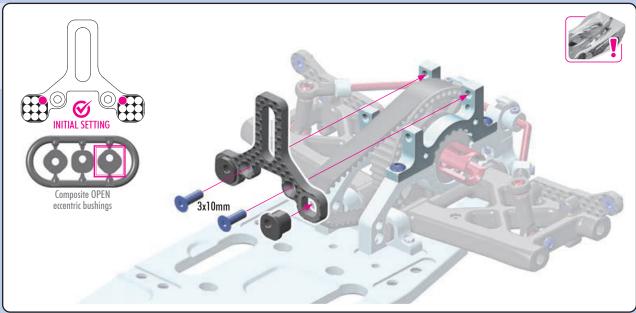


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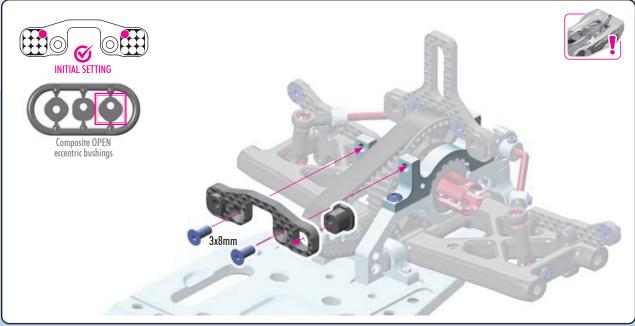


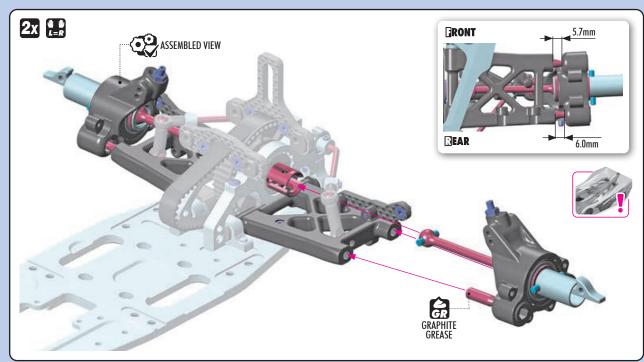
When the bars are set, verify that both sides move at the same time. If they do, the bars are set up correctly. If not, make sure that both downstops are the same and that the bar wire is flat.



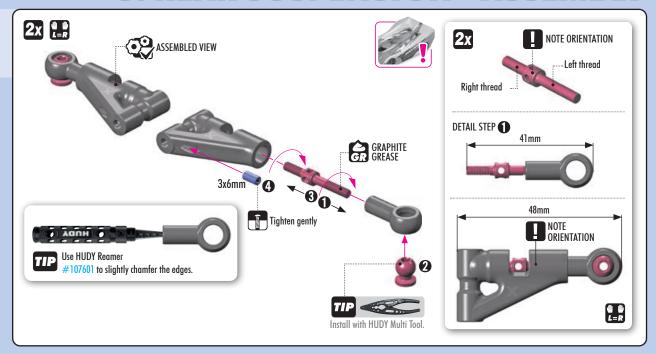




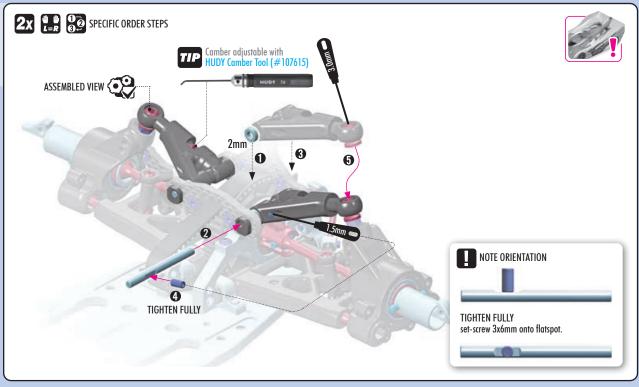




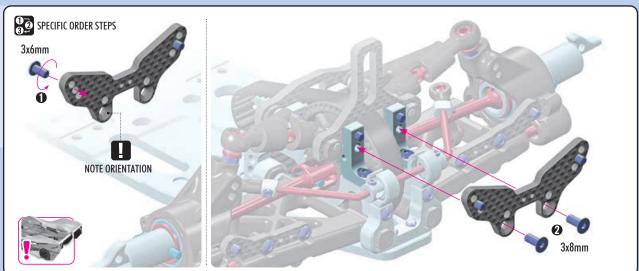




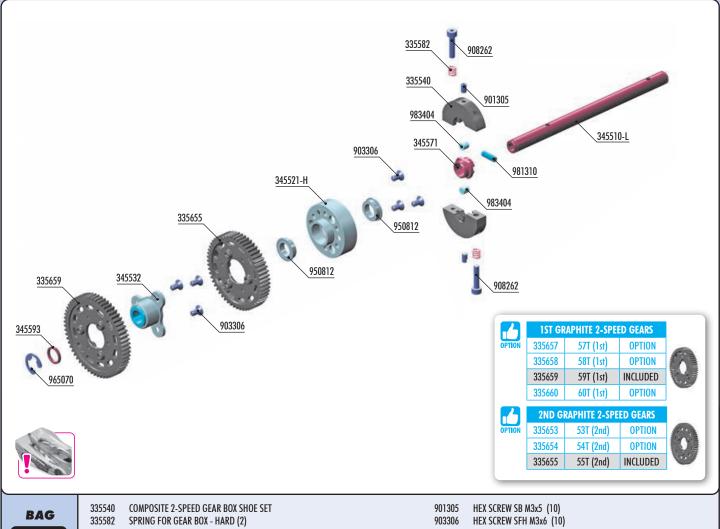








### 4. REAR TRANSMISSION



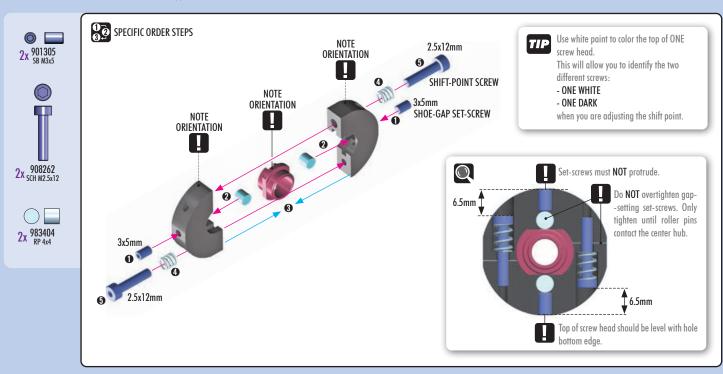
335655 GRAPHITE 2-SPEED GEAR 55T (2nd) GRAPHITE 2-SPEED GEAR 59T (1st) 335659 345510-L 2-SPEED SHAFT 8mm - SUPER LIGHTWEIGHT - REINFORCED 345521-H ALU CARRIER FOR 2-SPEED GEAR (2nd) - SMALL - HARD - 7075 T6 ALU DRIVE FLANGE WITH ONE-WAY BEARING - SMALL - LIGHTWEIGHT 345532 ADAPTER 2-SPEED SMALL 345571 345593 STEEL 2-SPEED SHAFT SHIM (2)

908262 HEX SCREW SOCKET HEAD CAP M2.5x12 (10)

950812 BALL-BEARING 8x12x3.5 FLANGED - STEEL SEALED - OIL (2)

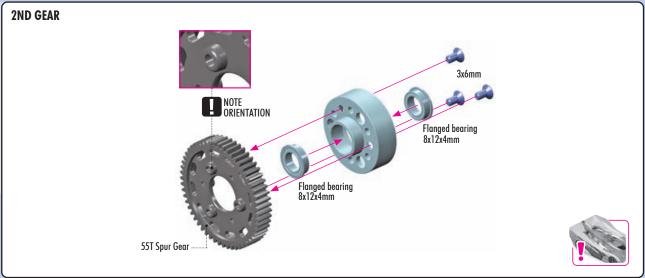
965070 E-CLIP 7 (10) 981310 PIN 3x10 (10) 983404 ROLLER PIN 4x4mm (2)

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

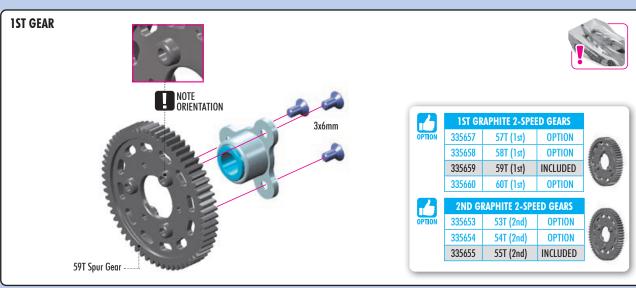


# 4. REAR TRANSMISSION

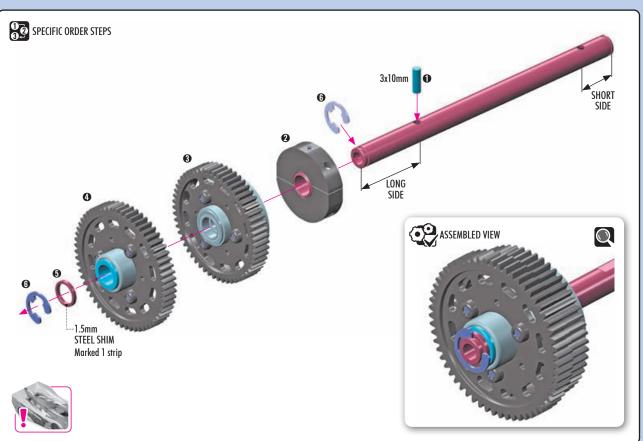


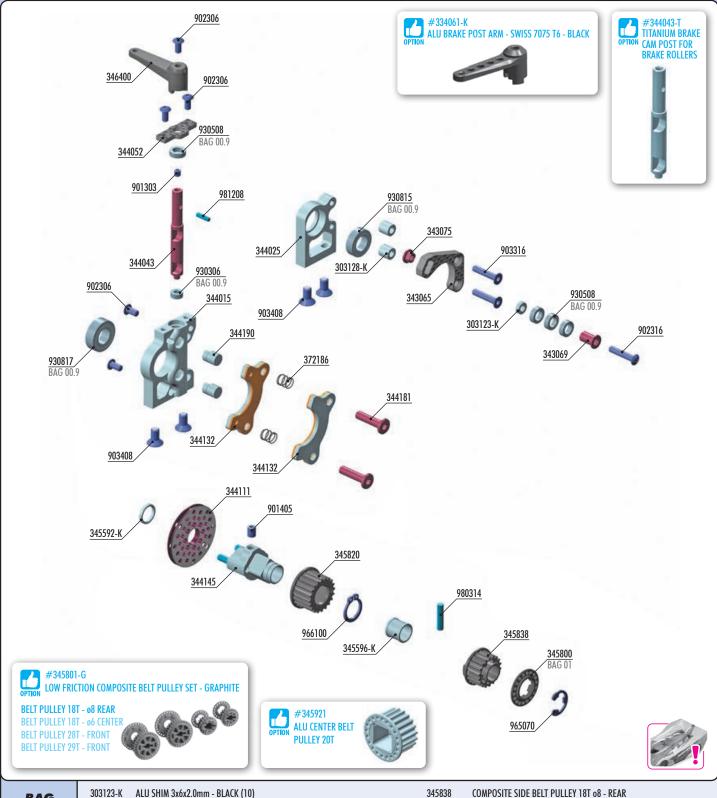






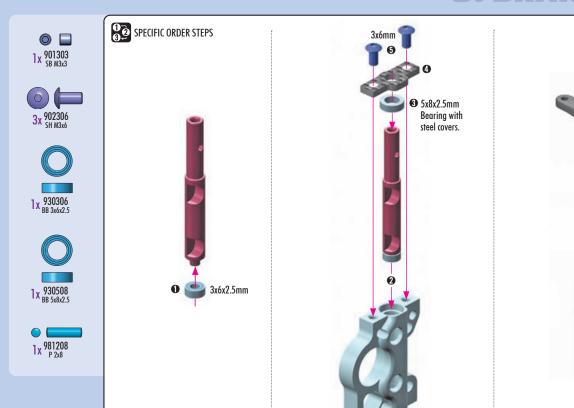


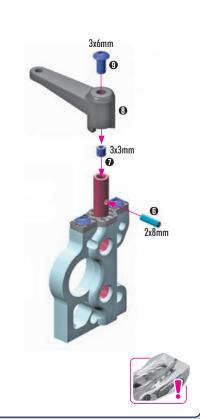




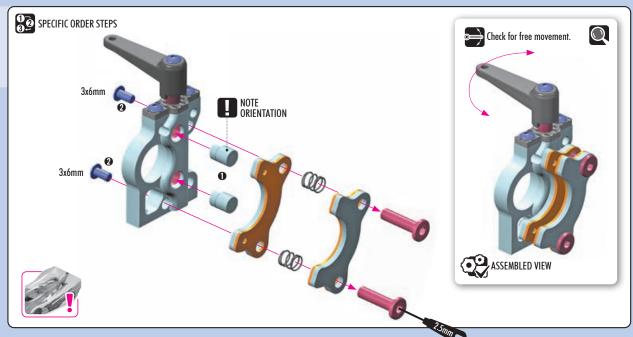


303123-K	ALU SHIM 3x6x2.0mm - BLACK (10)	345838	COMPOSITE SIDE BELT PULLEY 18T o8 - REAR
303128-K	ALU SHIM 3x6x6.0mm - BLACK (10)	346400	THROTTLE & BRAKE LINKAGE SET
343065	RX8 CARBON BELT TENSIONER HOLDER - REAR	372186	FRONT COIL SPRING FOR 4MM PIN C=1.5-1.7 - GOLD (2)
343069	STEEL BUSHING (2)		· · ·
343075	STEEL NUT WITH GUIDE (2)	901303	HEX SCREW SB M3x3 (10)
344015	ALU BRAKE STAND FOR ALU BRAKE ROLLERS - SWISS 7075 T6	901405	HEX SCREW SB M4x5 (10)
344025	ALU 2-SPEED SHAFT STAND - SWISS 7075 T6	902306	HEX SCREW SH M3x6 (10)
344043	ALU BRAKE CAM POST FOR BRAKE ROLLERS - BLACK - SWISS 7075 T6	902316	HEX SCREW SH M3x16 (10)
344052	CARBON BRAKE UPPER PLATE	903316	HEX SCREW SFH M3x16 (10)
344111	VENTILATED BRAKE DISC - PRECISION-GROUND - LIGHTWEIGHT	903408	HEX SCREW SFH M4x8 (10)
344132	GLUED BRAKE PAD SET FOR BRAKE ROLLERS - RED (2)	930306	BALL-BEARING 3x6x2.5 STEEL SEALED - OIL (2)
344145	BRAKE DISK ADAPTER FOR BRAKE ROLLER SYSTEM - HARD COATED	930508	BALL-BEARING 5x8x2.5 STEEL SEALED - OIL (2)
344181	BRAKE GUIDE PIN 4x16mm M3 - HUDY SPRING STEEL™ (2)	930815	BALL-BEARING 8x14x4 STEEL SEALED - OIL (2)
344190	ALU BRAKE ROLLER - BLACK - SWISS 7075 T6 (2)	930817	BALL-BEARING 8x16x5 STEEL SEALED - OIL (2)
345592-K	ALU 2-SPEED SHAFT SHIM - BLACK (2)	965070	E-CLIP 7 (10)
345596-K	ALU COLLAR 8x9.8x9mm - BLACK	966100	CH-CLIP 10 (10)
345800	COMPOSITE BELT PULLEY COVER SET	980314	PIN 3x14 (10)
345820	COMPOSITE 2-SPEED BELT PULLEY 20T - CENTER	981208	PIN 2x8 (10)

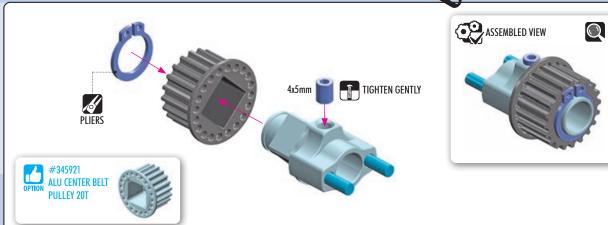


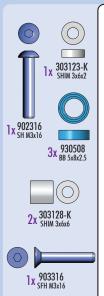


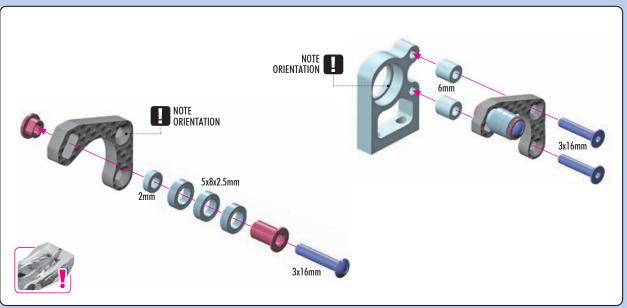




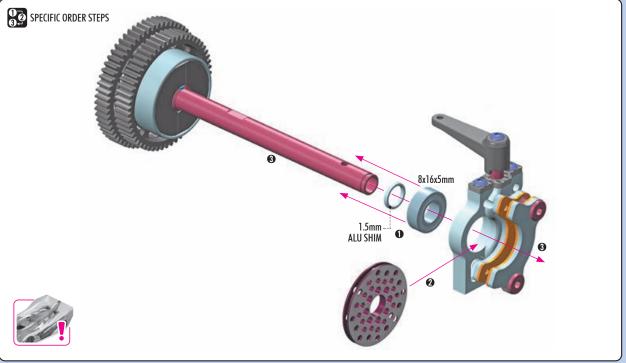


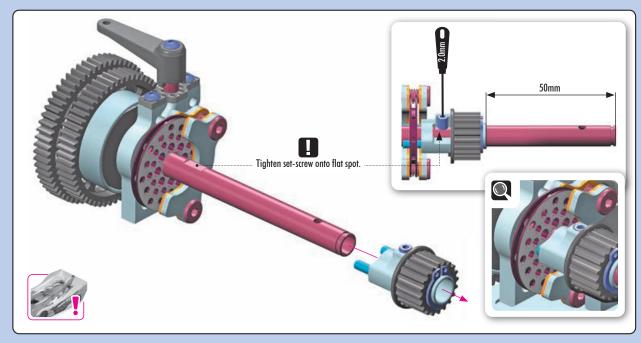








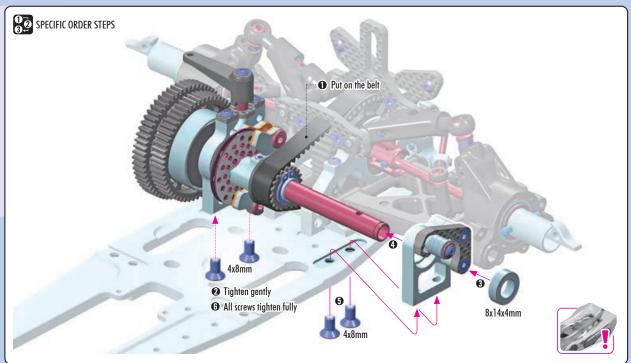




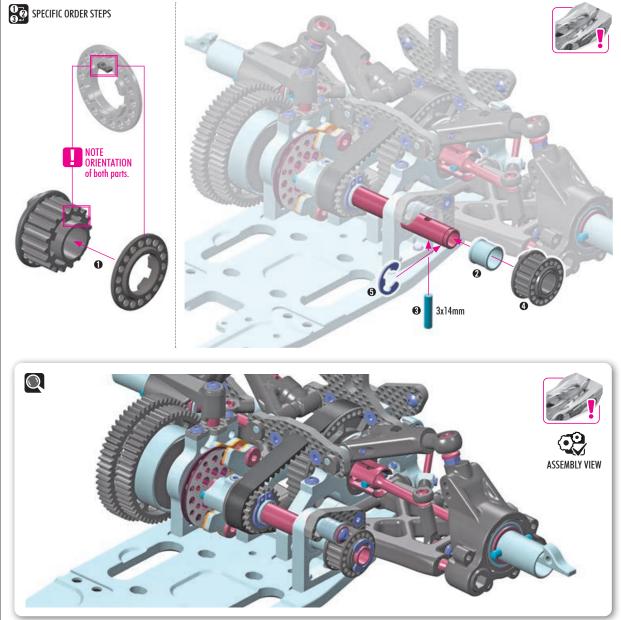


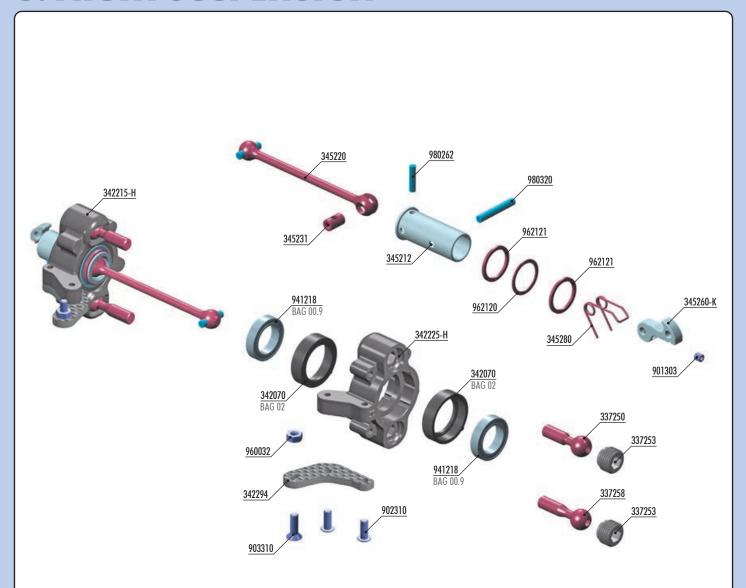


1x 930815 BB 8x14x4

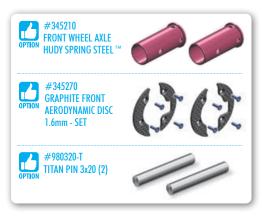








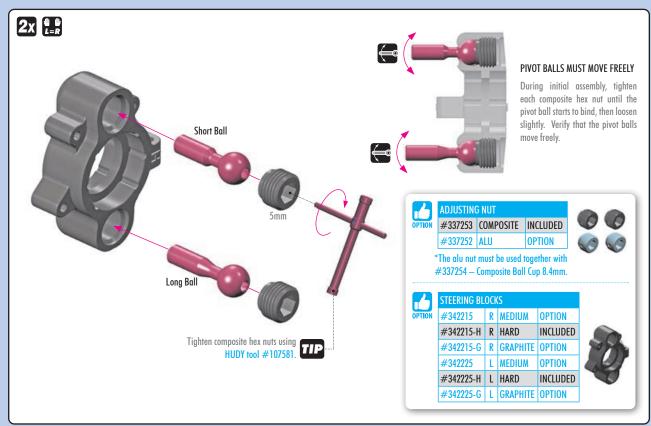




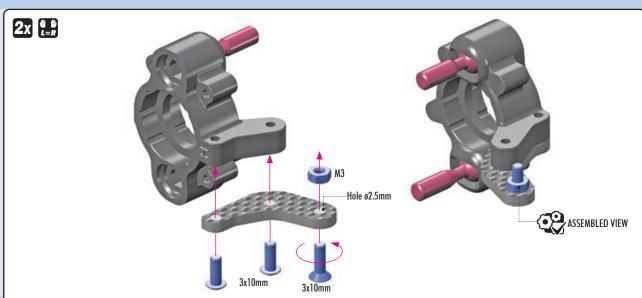


337250	STEEL PIVOT BALL 8.4mm (2)
337253	COMPOSITE ADJUSTING NUT M10x1 (4)
337258	STEEL PIVOT BALL 8.4mm o3.3 L=25mm (2)
342070	COMPOSITE SET OF BUSHINGS (2)
342215-H	EXTRA ECCENTRIC STEERING BLOCK FOR AERO DISC - RIGHT - HARD
342225-H	EXTRA ECCENTRIC STEERING BLOCK FOR AERO DISC - LEFT - HARD
342294	CARBON EXTENSION FOR STEERING BLOCK - 2-DOT $(L+R)$
345212	ALU FRONT CVD DRIVE AXLE - SWISS 7075 T6 - HARD COATED
345220	FRONT CVD DRIVE SHAFT 63mm - HUDY SPRING STEEL™
345231	DRIVE SHAFT COUPLING - HUDY SPRING STEEL™
345260-K	ALU FRONT WHEEL LOCK - SWISS 7075 T6 - BLACK (2)
345280	WHEEL SPRING (2)

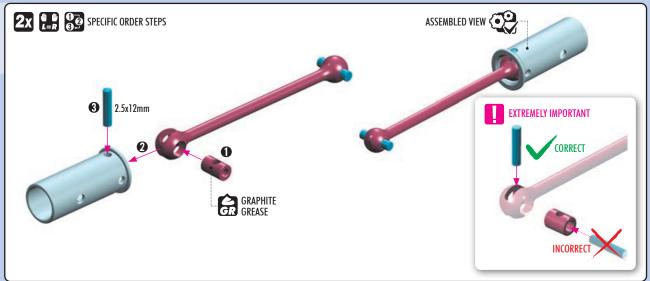
901303 902310 903310 941218 960032	HEX SCREW SB M3x3 (10) HEX SCREW SH M3x10 (10) HEX SCREW SFH M3x10 (10) BALL-BEARING 12x18x4 RUBBER SEALED - OIL (2) NUT M3 (10)
960032 962120	NUT M3 (10) WASHER S 12x15x0.5 (10)
962121 980262 980320	WASHER S 12x15x1.0 (10) PIN 2.5x12 (10) PIN 3x20 (10)







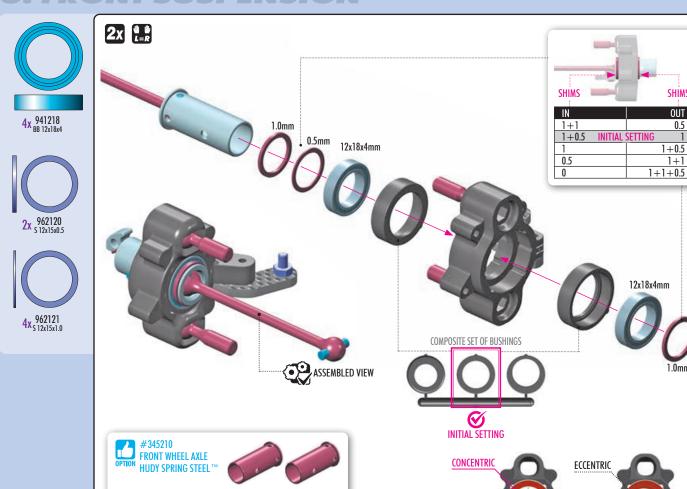


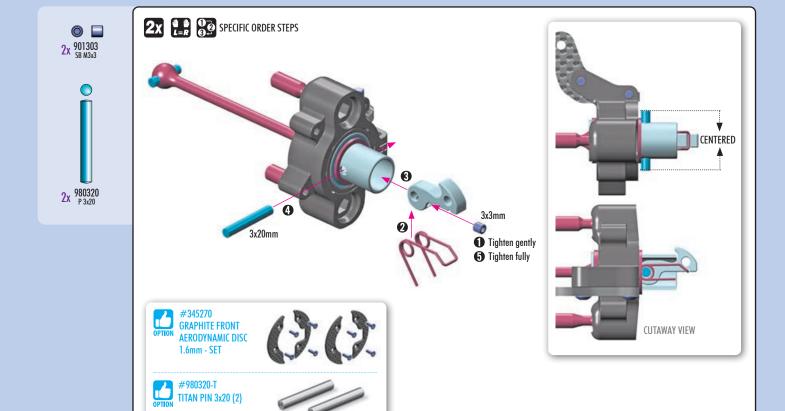


#345290 ALU SHIM 12x15x1.0mm (4)

ALU SHIM 12 x 15 x 1.5mm (4)

#345291





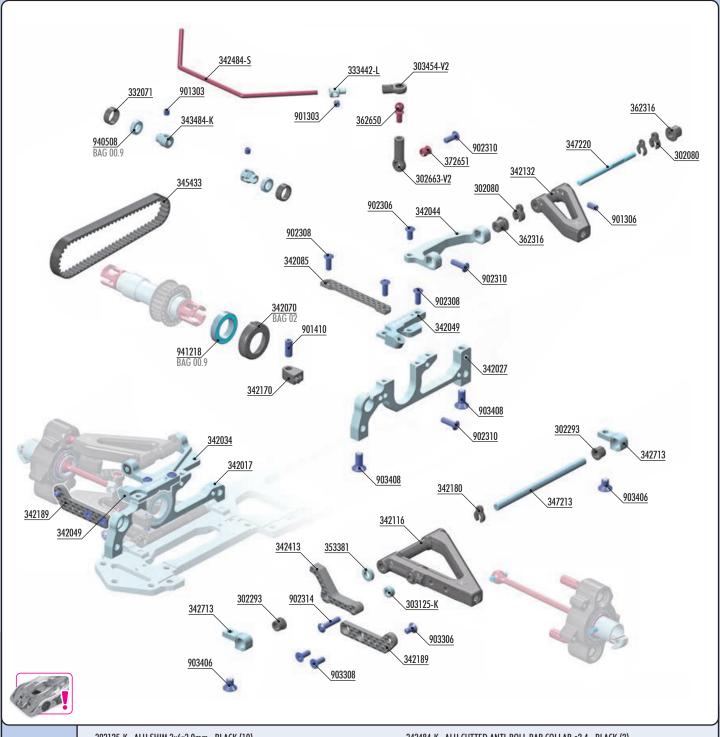
SHIMS OUT

0.5

1+0.5

1+1

NOTE ORIENTATION When using eccentric bushings, both bushings must be in same position.

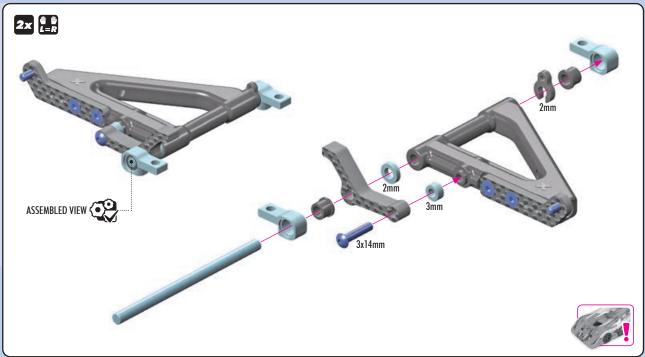




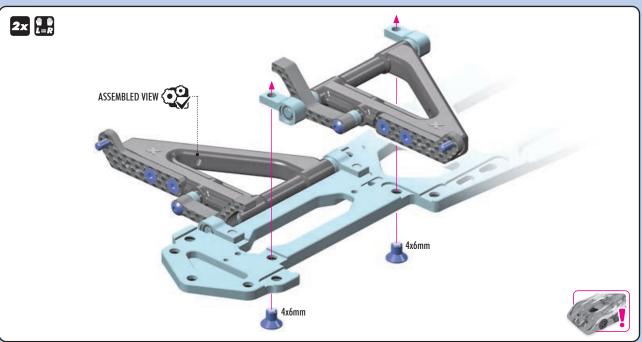
303125-K	ALU SHIM 3x6x3.0mm - BLACK (10)	343484-K	ALU CUTTED ANTI-ROLL BAR COLLAR ø2.4 - BLACK (2)
	COMPOSITE CASTER CLIPS SET 4+3+2+1mm (2)	345433	LOW FRICTION DRIVE BELT FRONT 6.0 x 207mm
	C-HUB BUSHING COMPOSITE - V2 (4)	347213	PIVOT PIN 4x72mm (2)
	COMPOSITE BALL JOINT 4.9mm - OPEN - V3 (8)	347220	PIVOT PIN WITH FLAT SPOT (2)
	BALL JOINT 4.9mm - OPEN - V2 (4)	353381	ALU SHIM 4x7.5x2 (4)
	COMPOSITE BALL-BEARING HUB (4)	362316	COMPOSITE OPEN ECCENTRIC BUSHING SET (2)
	ALU ANTI-ROLL BAR COLLAR ø2.6 - LIGHTWEIGHT (2)	362650	BALL END 4.9mm WITH THREAD 6mm (2)
	ALU LOWER BULKHEAD FRONT - SWISS 7075 T6 - RIGHT	372651	PIVOT BALL UNIVERSAL 4.9mm - HUDY SPRING STEEL (2)
	ALU LOWER BULKHEAD FRONT - SWISS 7075 T6 - LEFT		
	ALU UPPER ARM HOLDER RIGHT - SWISS 7075 T6 - SET	901303	HEX SCREW SB M3x3 (10)
342044	ALU UPPER ARM HOLDER LEFT - SWISS 7075 T6 - SET	901306	HEX SCREW SB M3x6 (10)
342049	ALU UPPER CLAMP FRONT - SWISS 7075 T6 - (L+R)	901410	HEX SCREW SB M4x10 (10)
	COMPOSITE SET OF BUSHINGS (2)	902306	HEX SCREW SH M3x6 (10)
342085	CARBON FRONT BRACE	902308	HEX SCREW SH M3x8 (10)
342116	SUSPENSION ARM FOR WIRE ANTI-ROLL BAR - FRONT LOWER - HARD	902310	HEX SCREW SH M3x10 (10)
342132	COMPOSITE SUSPENSION ARM FRONT UPPER - SHORT - HARD	902314	HEX SCREW SH M3x14 (10)
342170	COMPOSITE SUSPENSION ARM DOWNSTOP (2)	903306	HEX SCREW SFH M3x6 (10)
342180	COMPOSITE LOWER SUSP. ARM CLIPS (2)	903308	HEX SCREW SFH M3x8 (10)
342189	CARBON EXTENSION FOR FRONT SUSPENSION ARM - 2-DOT (L+R)	903406	HEX SCREW SFH M4x6 (10)
342413	CARBON FRONT DOWNSTOP BACKSTOP (2)	903408	HEX SCREW SFH M4x8 (10)
	ANTI-ROLL BAR FRONT 2.4mm - SHORT	940508	BALL-BEARING 5x8x2.5 RUBBER SEALED - OIL (2)
342713	ALU LOWER FRONT SUSPENSION HOLDER (1) - BLACK - 7075 T6	941218	BALL-BEARING 12x18x4 RUBBER SEALED - OIL (2)
	( )		



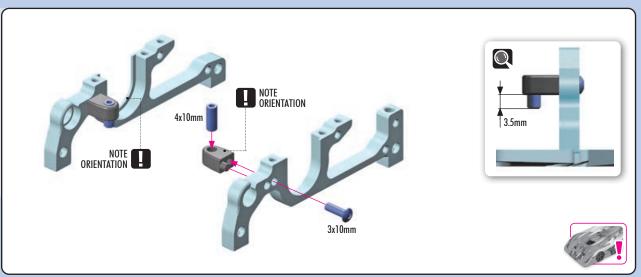




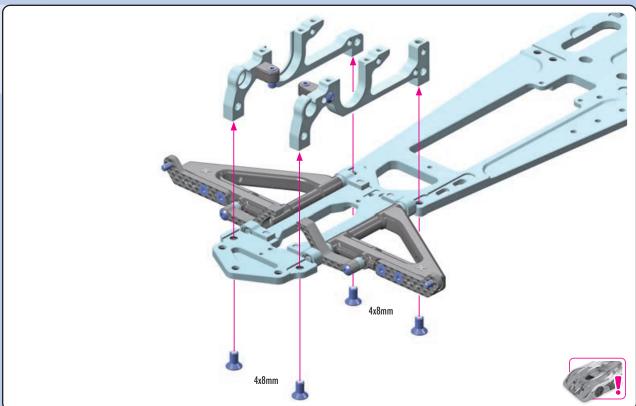




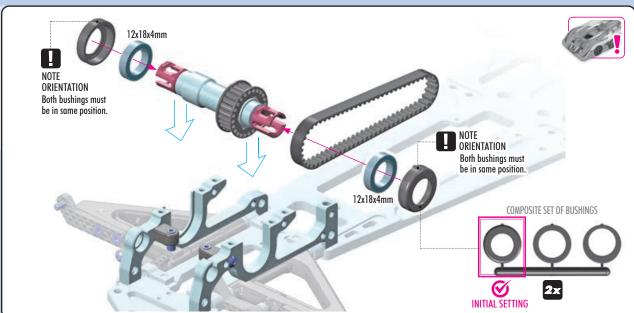




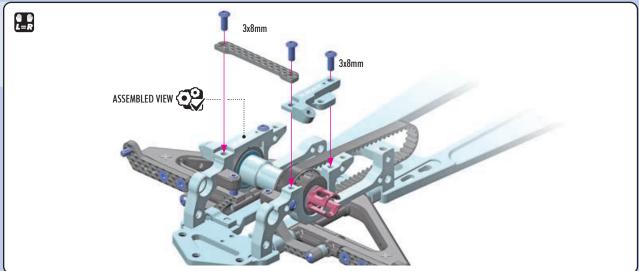


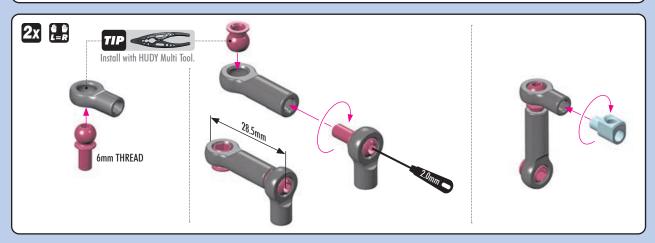




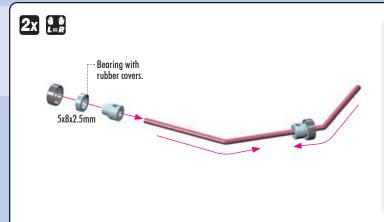






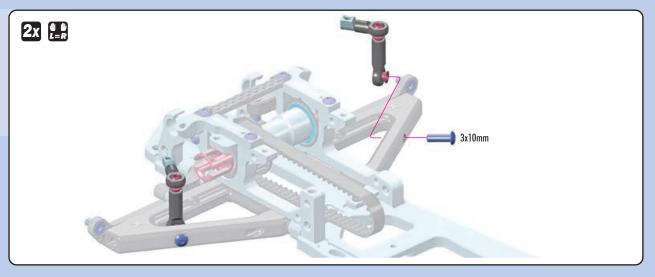


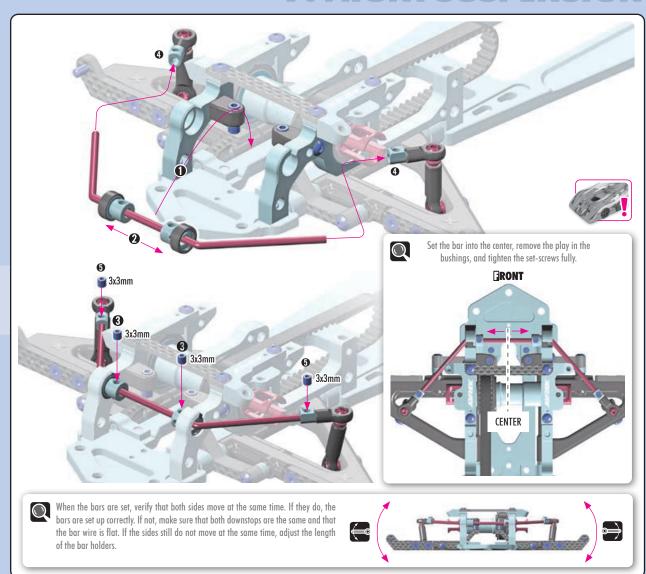




1	FRONT A	ANTI-ROL	L BARS	COLLARS
ON	\		/	+
	#342480-S	2.0mm	OPTION	#333443 + 343483-K
	#342482-S	2.2mm	OPTION	OPTION
	#342483-S	2.3mm	OPTION	#333442 + 343484-
	#342484-S	2.4mm	INCLUDED	INCLUDED
	#342485-S	2.5mm	OPTION	#333442 + 343482-K
	#342486-S	2.6mm	OPTION	OPTION
	#342488-S	2.8mm	OPTION	#333441 + 343485
				OPTION

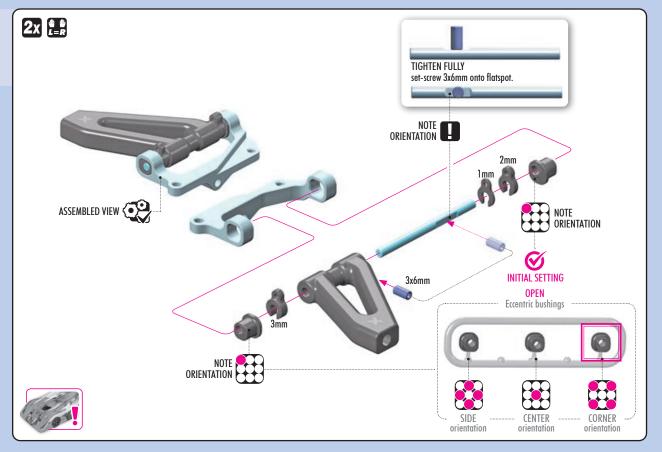




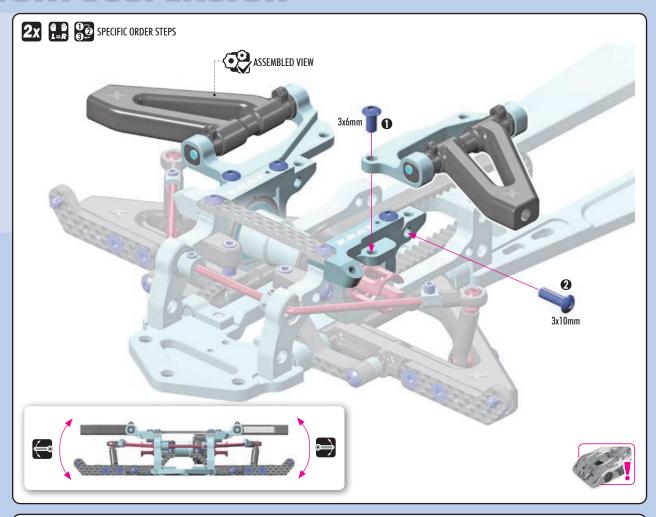


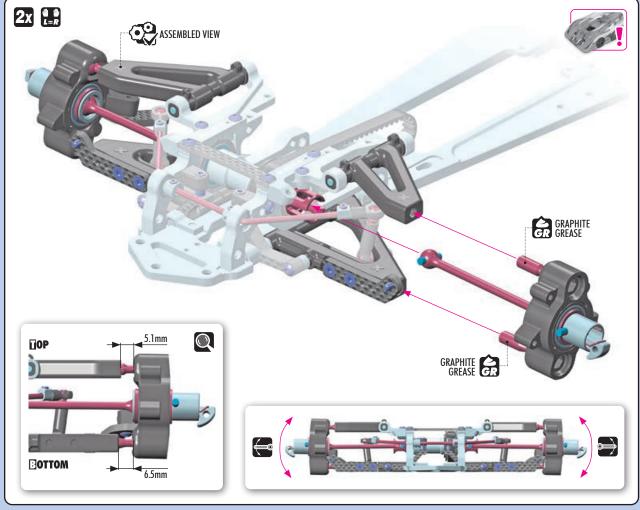


4x 901303 4x SB M3x3

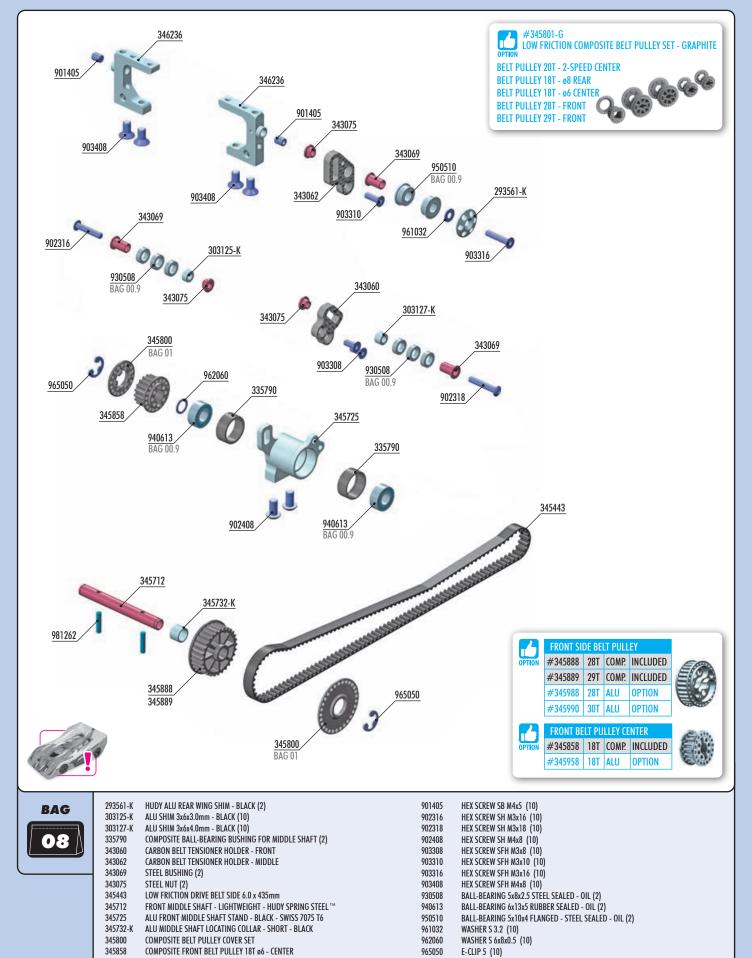








### 8. CENTER TRANSMISSION



345888

345889

346236

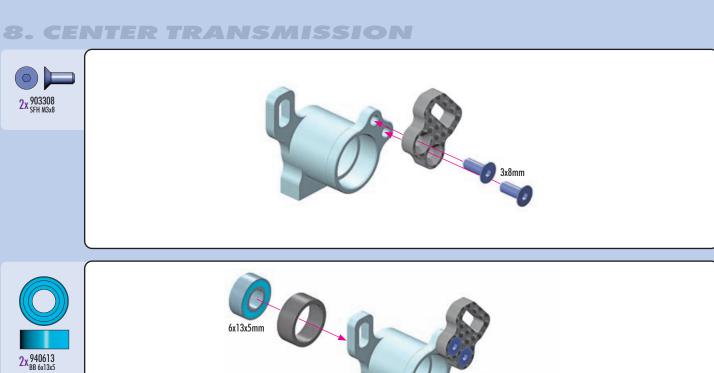
COMPOSITE SIDE BELT PULLEY 28T - FRONT

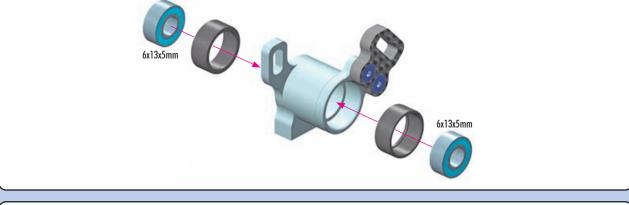
COMPOSITE SIDE BELT PULLEY 29T - FRONT

ALU MOUNT WITH M4 FOR RADIO PLATE - BLACK - SWISS 7075 T6 (2)

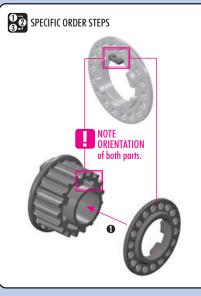
981262

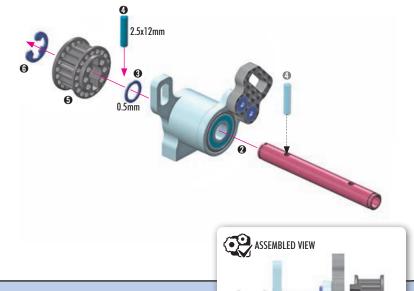
PIN 2.5x12 (10)





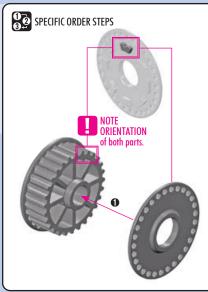


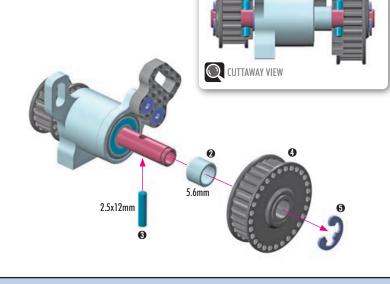






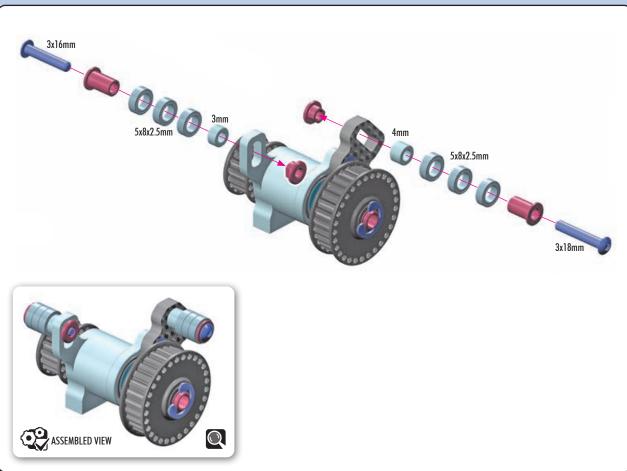






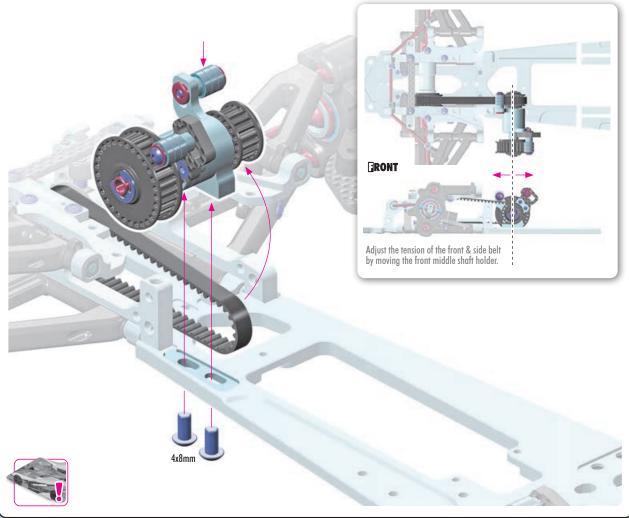
# 8. CENTER TRANSMISSION





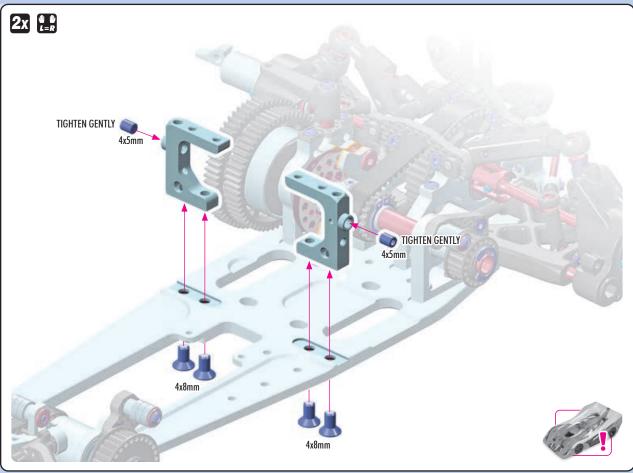


6x 930508 BB 5x8x2.5

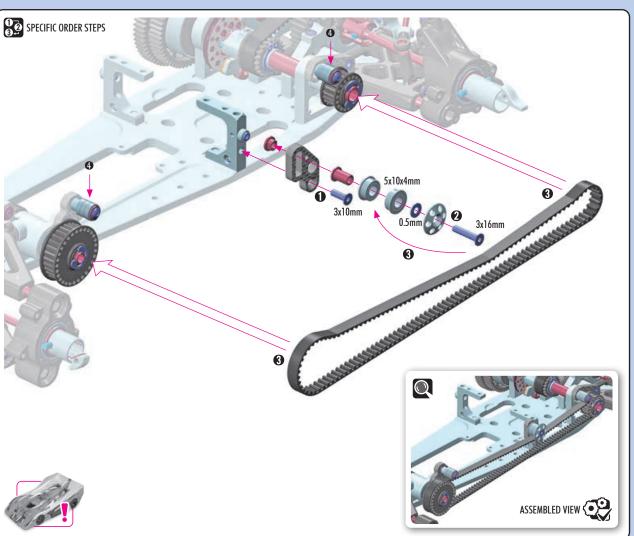


# 8. CENTER TRANSMISSION

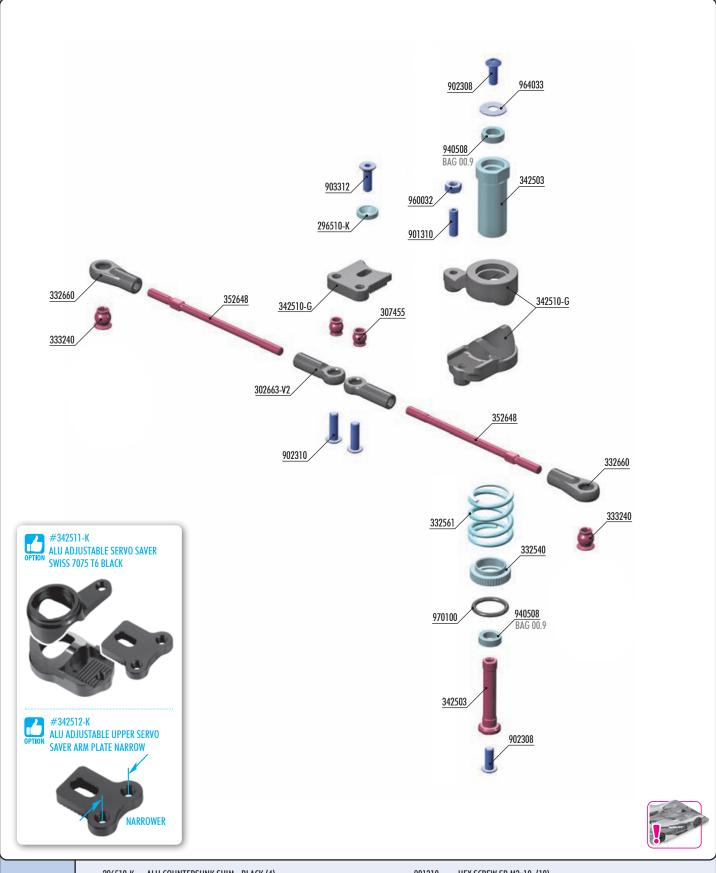








### 9. SERVO SAVER & STEERING





296510-K
302663-V2
COMPOSITE BALL JOINT 4.9mm - OPEN - V2 (8)
307455
PIVOT BALL 4.9mm DOUBLE BEVEL SHOULDERS (10)
332540
ALU SERVO SAVER ADJUSTABLE NUT
332561
SERVO SAVER SPRING C=14
33260
COMPOSITE STEERING & SERVO BALL JOINT 5.8mm (4+2)
333240
BALL UNIVERSAL 5.8mm HEX (4)
342503
SERVO SAVER COMPLETE SET - LOWER - GRAPHITE
342510-G
COMPOSITE SERVO SAVER - GRAPHITE

ADJ. TURNBUCKLE M3 L/R 62mm - HUDY SPRING STEEL (2)

901310 HEX SCREW SB M3x10 (10) 902308 HEX SCREW SH M3x8 (10) 902310 HEX SCREW SH M3x10 (10) 903312 HEX SCREW SFH M3x12 (10) 940508 BALL-BEARING 5x8x2.5 RUBBER SEALED - OIL (2)

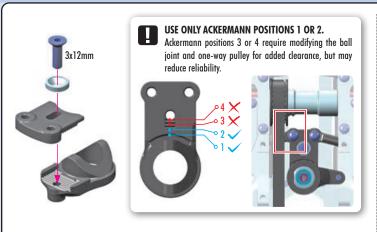
960032 NUT M3 - BLACK (10) 964033 WASHER S 3.5x10x0.3 (10)

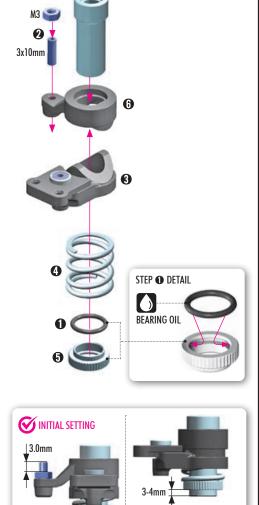
970100 O-RING 10 x 1.5 (10)

352648

### 9. SERVO SAVER & STEERING







THERE ARE 4 DIFFERENT ACKERMANN SETTINGS POSSIBLE WITH THE QUICK-SAVER™ For initial Ackermann setting, use Step 1 (2nd shortest length).



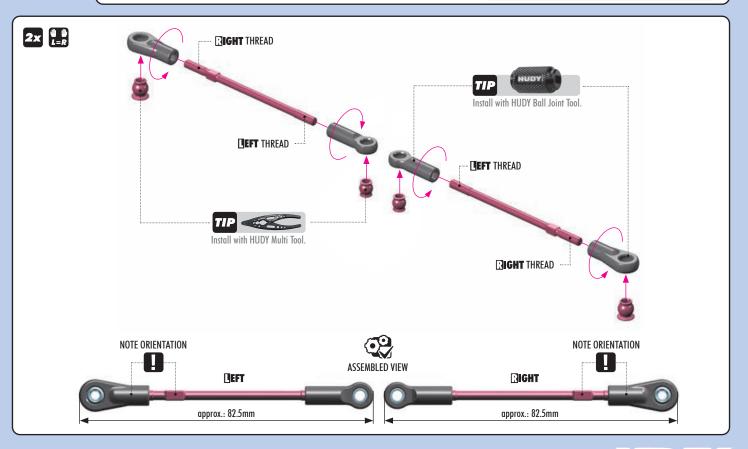
STEP 1 gives the most Ackermann and makes the car understeer more into & out of corners. It offers good cornering speed and creates very good traction mainly in chicanes, because the car will be more stable.

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.

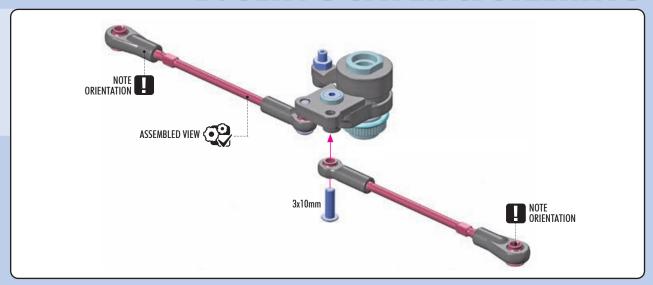
Recommended for tracks where  $\overset{\cdot}{a}$  lot of in-corner steering is needed.



🕢 INITIAL PRELOAD

## 9. SERVO SAVER & STEERING

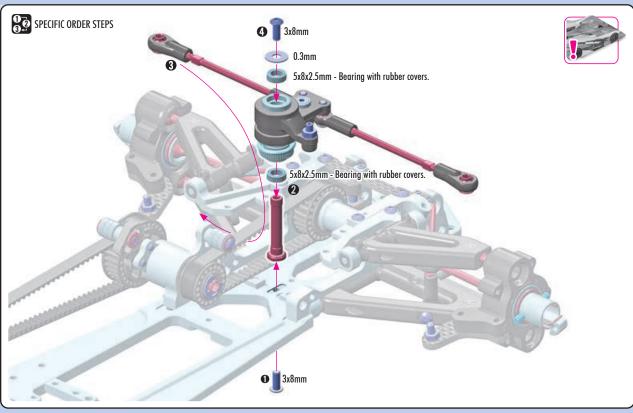


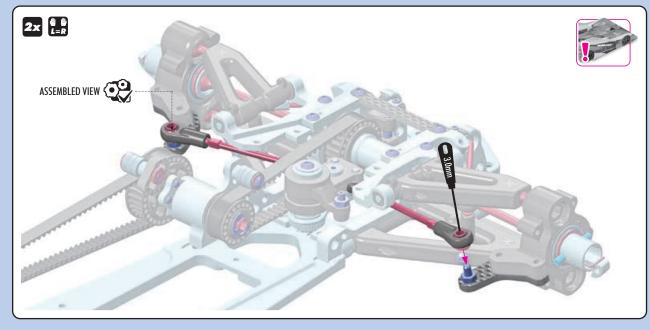


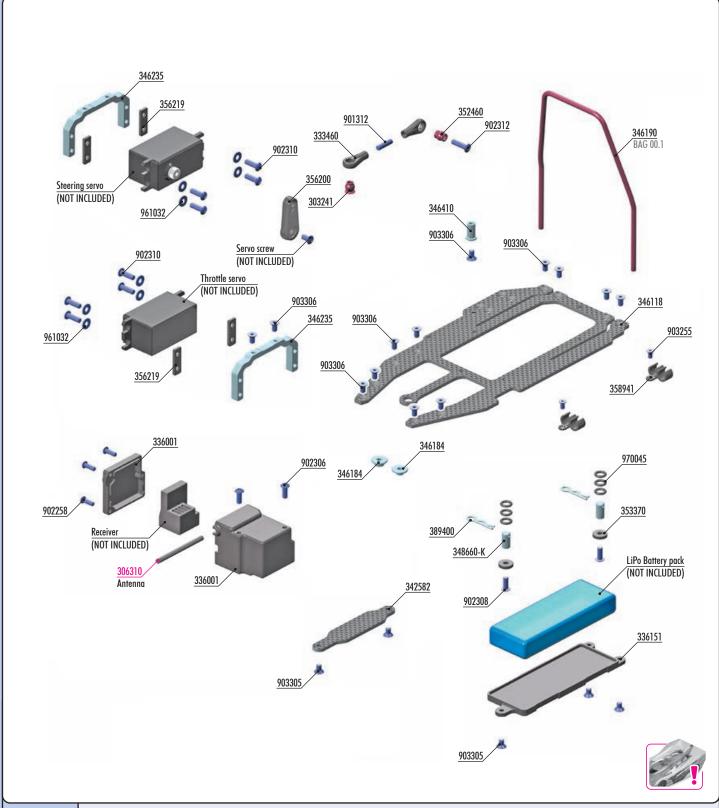








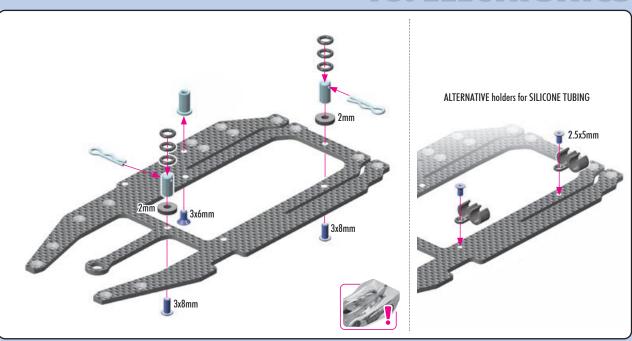




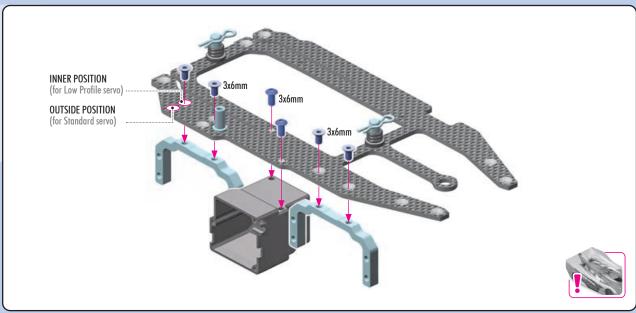


303241 333460	BALL UNIVERSAL 5.8mm HEX (4) COMPOSITE BALL JOINT 5.8mm (4)	389400	MICRO BODY CLIP (10)
336001	COMPOSITE RECEIVER CASE - COMPACT SIZE	901312	HEX SCREW SB M3x12 (10)
336151	COMPOSITE BATTERY PLATE	902258	HEX SCREW SH M2.5x8 (10)
342582	CARBON FRONT CHASSIS PLATE	902306	HEX SCREW SH M3x6 (10)
346118	RX8 CARBON RADIO PLATE WITH MULTI-FLEX SETTING	902308	HEX SCREW SH M3x8 (10)
346184	ALU BUSHING FOR RADIO PLATE FLEX - HARD COATED (1+1)	902310	HEX SCREW SH M3x10 (10)
346190	ROLL-OVER BAR	902312	HEX SCREW SH M3x12 (10)
346235	ALU MONOBLOCK SERVO HOLDER - SWISS 7075 T6	903255	HEX SCREW SFH M2.5x5 (10)
346410	ALU STAND FOR RADIO PLATE - BLACK - SWISS 7075 T6	903305	HEX SCREW SFH M3x5 (10)
348660-K 352460	ALU FUEL TANK MOUNT - BLACK (2) PIVOT BALL 5.8 (10)	903306 961032	HEX SCREW SFH M3x6 (10) WASHER S 3.2 (10)
353370	SET OF COMPOSITE REAR HUB CARRIER SHIMS	970045	0-RING 4.5x1.5 (10)
356200	BRAKE/THROTTLE ARMS & STEERING SERVO ARMS - SET	770013	0-KINO 4.5X1.5 (10)
356219	COMPOSITE SERVO SHIMS 1.0, 1.5 & 2.5mm (2+2+2)	306310	ANTENNA TUBE (2)
358941	COMPOSITE TUBING HOLDER FOR FUEL TANK (2)		· · · · · · · · · · · · · · · · · · ·

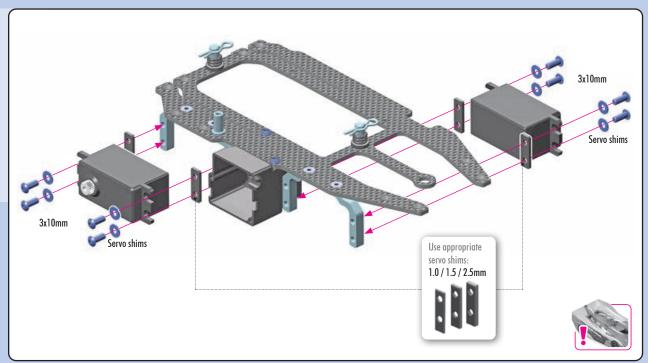




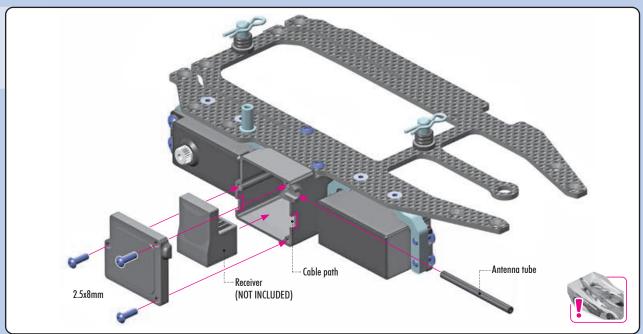




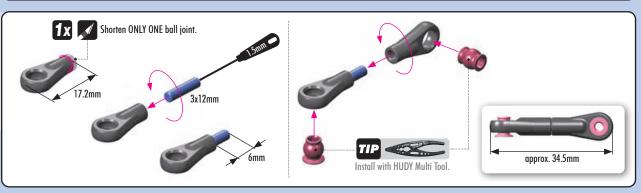




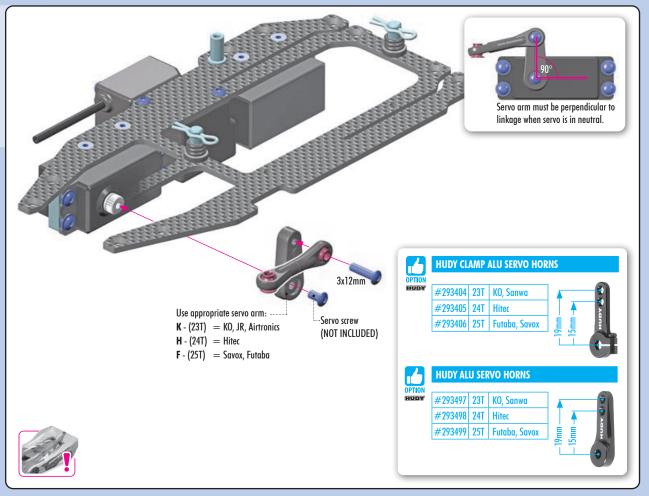


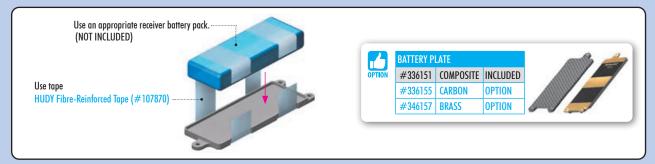




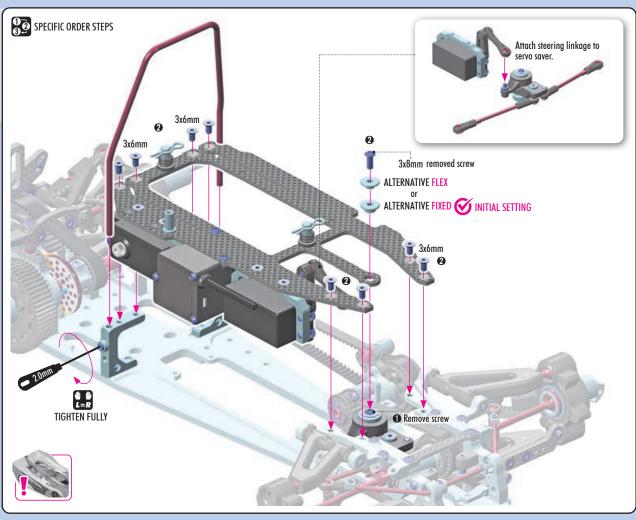




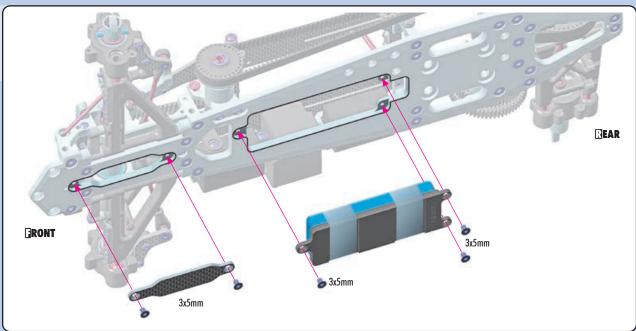




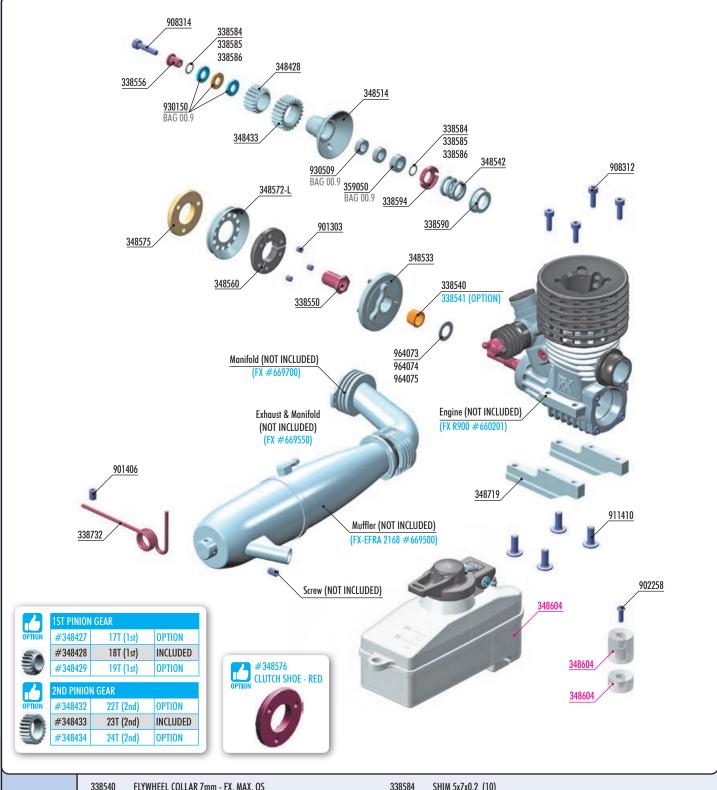








## 11. ENGINE & CLUTCH





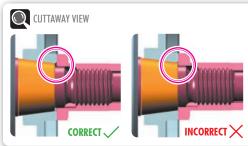
338540	FLYWHEEL COLLAR 7mm - FX, MAX, OS	338584	SHIM 5x7x0.2 (10)
338541	FLYWHEEL COLLAR 6mm - PICCO (OPTION)	338585	SHIM 5x7x0.3 (10)
338550	FLYWHEEL NUT - HUDY SPRING STEEL™	338586	SHIM 5x7x0.5 (10)
338556	THRUSTBEARING COLLAR - HUDY SPRING STEEL™	359050	CLUTCH BELL BALL-BEARING 5x10x4 (2)
338590	ALU CLUTCH SPRING CUP - SWISS 7075 T6	901303	HEX SCREW SB M3x3 (10)
338594	CLUTCH PRELOAD ADJ. NUT - HUDY SPRING STEEL™	901406	HEX SCREW SB M4x6 (10)
338732	EXHAUST MOUNTING WIRE - EXTRA-LONG	902258	HEX SCREW SH M2.5x8 (10)
348428	ALU BBB PINION GEAR 18T (1ST) - SWISS 7075 T6 - HARD COATED	908312	HEX SCREW SOCKET HEAD CAP M3x12 (10)
348433	ALU BBB PINION GEAR 23T (2ND) - SWISS 7075 T6 - HARD COATED	908314	HEX SCREW SOCKET HEAD CAP M3x14 (10)
348503	XRAY BBB (BIG BALL BEARING) CLUTCH SET	911410	HEX SCREW FLANGED SH M4x10 (10)
348514	ALU HARD NICKEL COATED CLUTCHBELL FOR BBB CLUTCH	930150	CARBIDE AXIAL THRUSTBEARING F5-10 5x10x4
348533	ALU FLYWHEEL - FLAT - HARDCOATED	930509	BALL-BEARING 5x9x3 STEEL SEALED - OIL (2)
348542	CLUTCH SPRING - 2x8.2x10 GRINDED INSIDE	964073	WASHER S 7x10x0.2 (10)
348560	CLUTCH FLYWEIGHT SET	964074	WASHER S 7x10x0.3 (10)
348572-L	ALU CLUTCH DISK - CONICAL - LIGHTWEIGHT - SWISS 7075 T6	964075	WASHER S 7x10x0.5 (10)
348575	CLUTCH SHOE - YELLOW		
348719	ALU ENGINE MOUNT - REINFORCED - SWISS 7075 T6 (2)	348604	FUEL TANK 125CCM - SET - V2









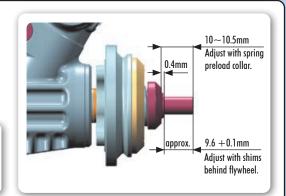


The flywheel collar must stay inside the flywheel.

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









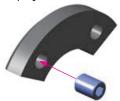


#### **EXTRA BOTTOM-END POWER**

For extra bottom-end power, thread a M3x3 set-screw (#901303) into each clutch flyweight as shown. The set-screw 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 set-screw into free (non-pivot) end of flyweight.



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



#### TIP

#### **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:

• Install clutch according to manual.

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

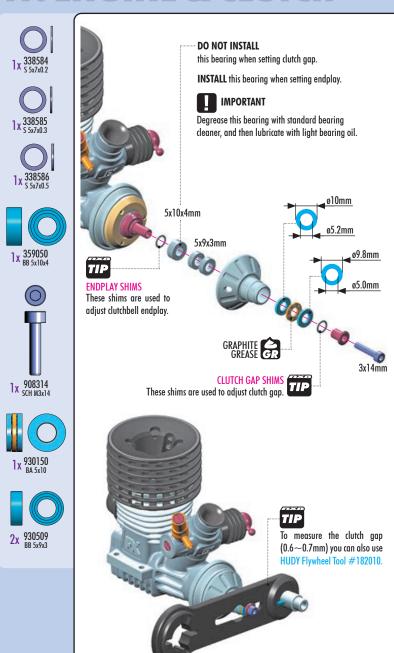
When you start the engine, the clutch should start to engage under low RPM. If the clutch engages only under high RPM, stop the engine and loosen the spring preload collar. Repeat until the clutch engages under low RPM.

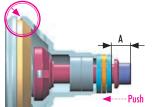
• Run in the clutch shoe on the track, or on the starter box if you have only limited time. (We recommend running it in on the track).

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.

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.

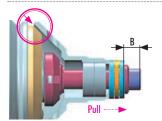
### 11. ENGINE & CLUTCH



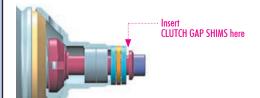


• Install the clutchbell, outer ball-bearing (small), and thrustbearing assembly on the engine crankshaft. DO NOT install the inner ball-bearing or internal shims. Push the clutchbell onto the clutch shoe and measure distance A as indicated.

**ADJUSTING THE CLUTCH GAP** 



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

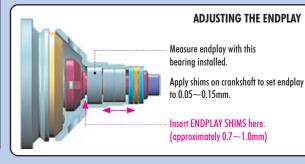


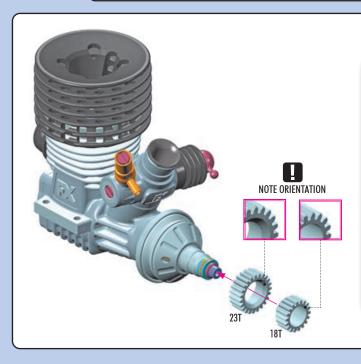
**1** The clutch gap is A - B; the correct gap is  $0.6 \sim 0.7$  mm. If the clutch gap is greater than this, you can easily calculate the thickness of shims required to set correct gap: Thickness of shims required (in mm) = A-B $\sim 0.7$ 

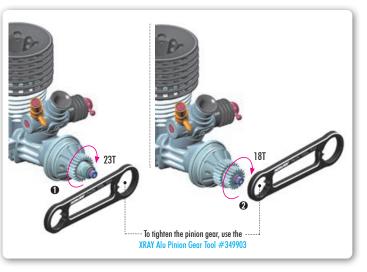
For example, using the values A=5.5mm, B=4.5mm

Shim thickness =  $5.5\sim4.5$ -0.7=0.3mm

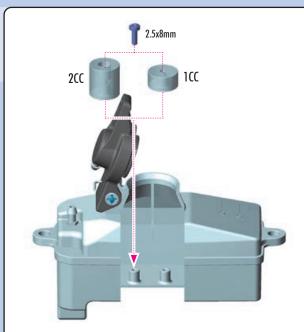
Place shims on the small collar, outside the thrustbearing assembly.





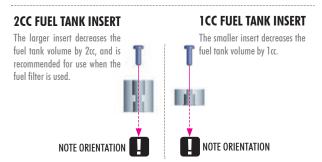




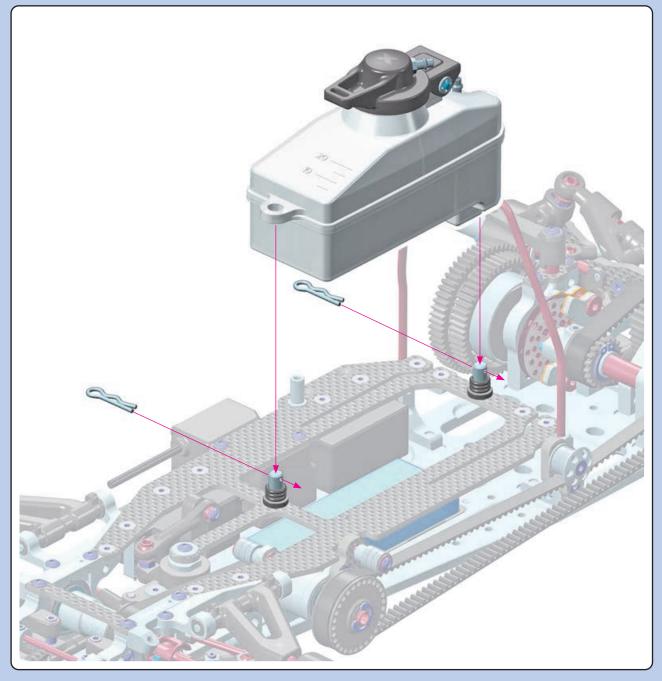


The fuel tank has a larger fuel volume and includes OPTIONAL tank inserts for decreasing the volume of the tank. Using the inserts allows you to adjust the volume of fuel inside the tank; this works in conjunction with variables such as fuel filter capacity and/or length of fuel line to ensure you have the legal fuel volume limit for racing.

Tube holders are easily connected to the fuel tank by screws. Using screws is much more secure than using glue to attach the holders to the fuel tank.



NOTE: The fuel tank insert can be easily mounted to the bottom of the fuel tank using the provided screw, when the fuel tank cap is opened fully.

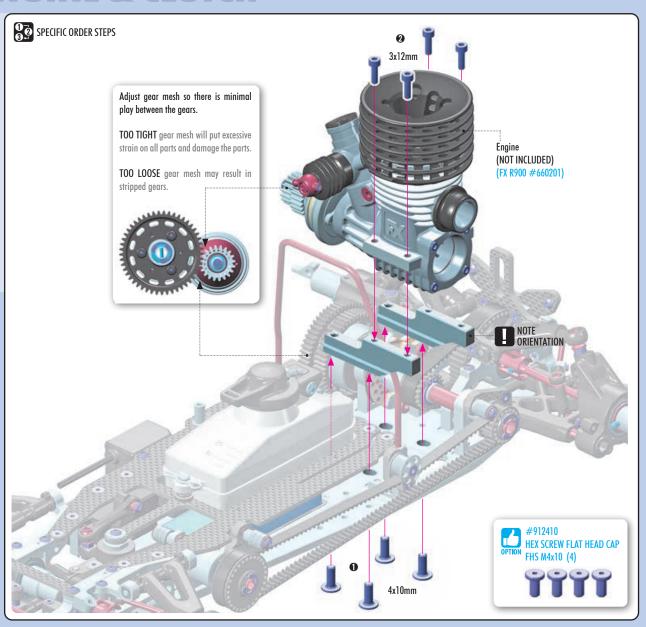


## 11. ENGINE & CLUTCH

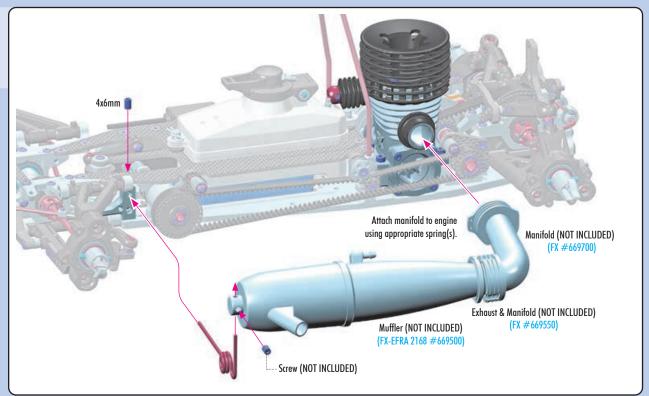






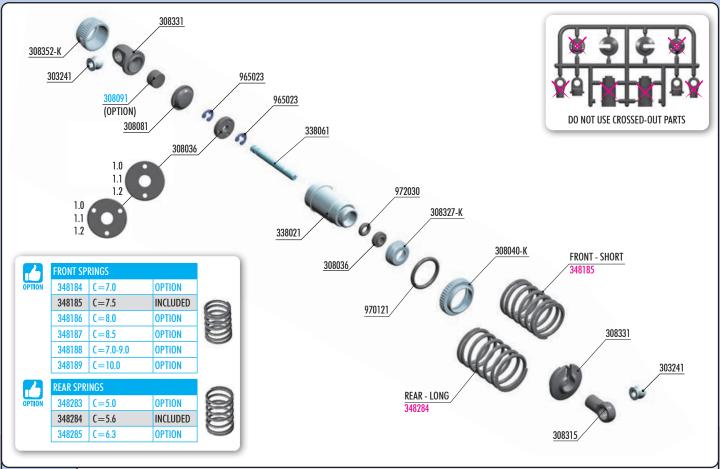








## 12. SHOCK ABSORBERS



BAG

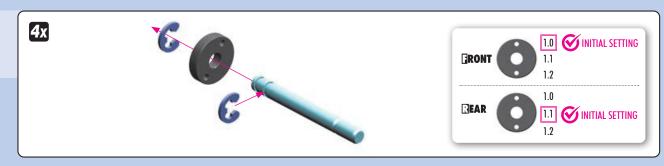
303241 BALL UNIVERSAL 5.8mm HEX (4)
308036 COMPOSITE NON-ADJUSTABLE PISTONS - DELRIN™ - V3
308040-K SHOCK ADJ. NUT ALU + 0-RING - BLACK (4)
308081 SHOCK ABSORBER MEMBRANE - LOW (4)
308091 SHOCK FOAM INSERTS - LOW (4) (0PTION)
308315 COMPOSITE SHOCK BALL JOINT - LONG (4)
308327-K ALU CAP FOR XRAY SHOCK BODY - BLACK (2)
308331 COMPOSITE FRAME SHOCK PARTS 4-STEP - SHORT
308352-K ALU SHOCK CAP-NUT WITH HOLE - BLACK (2)
338001-K ALU SHOCK ABSORBER-SET - BLACK (2)

338021 ALU SHOCK BODY (2) 338061 HARDENED SHOCK SHAFT (2) 965023 E-CLIP 2.3 (10) 970121 O-RING 12.1x1.6 (10) 972030 SILICONE O-RING 3x2 (10)

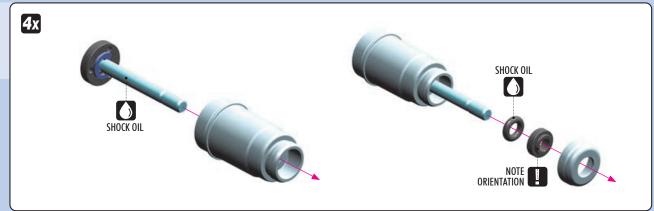
348185 XRAY SPRING-SET C=7.5 - FRONT (2) 348284 XRAY SPRING-SET C=5.6 - REAR (2)

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



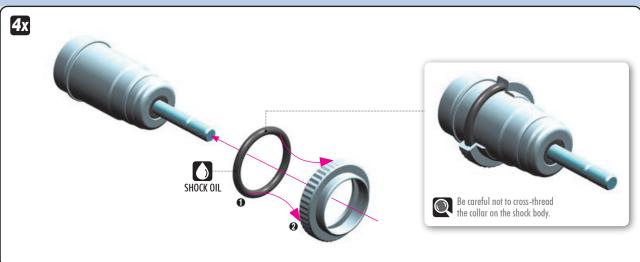


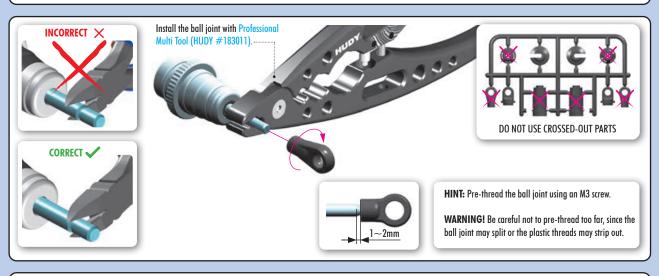




### 12. SHOCK ABSORBERS



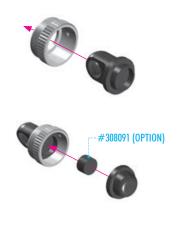






#### **SHOCK FILLING**

- Fully extend the piston rod so the piston is at the bottom of the shock body.
- Hold the shock upright and slightly overfill the shock body with shock oil.
- 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.







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.





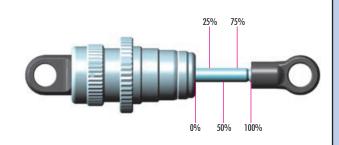




#### **REBOUND ADJUSTMENT**

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

- Release the shock cap by 2-3 turns.
- 2 Push the shock shaft fully up. For the first time the extra oil will release through the hole in the alu cap-nut.
- 1 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.



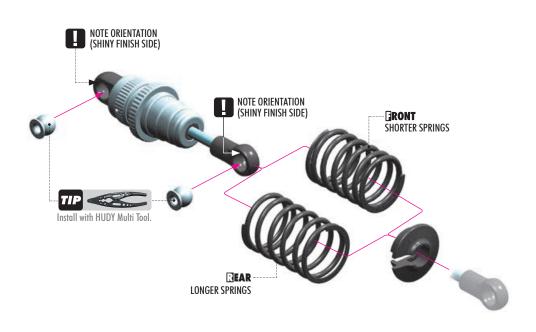
#### **REBOUND CHECK**

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 bubbles.

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 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.







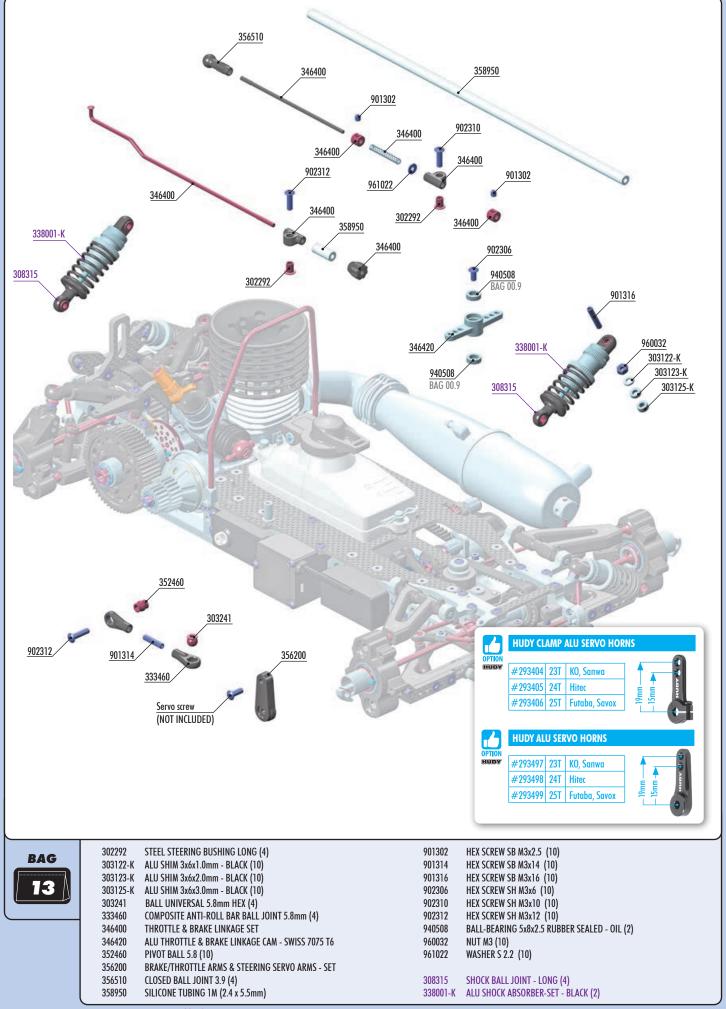


#### SHOCK LENGTH ADJUSTMENT

It is VERY important that all shocks are equal length.

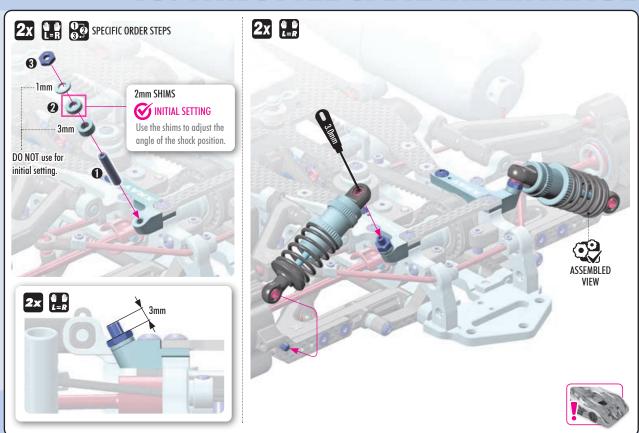
Fully extend the shock absorber and measure the end-to-end length; we recommend using digital calipers to give an accurate measurement. If a shock absorber is shorter or longer than others, adjust the shock length by tightening or loosening the ball joint on the shock rod.

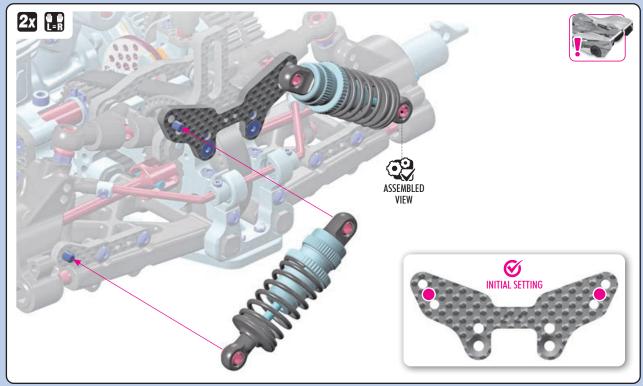
#### **13. THROTTLE & BRAKE LINKAGE**



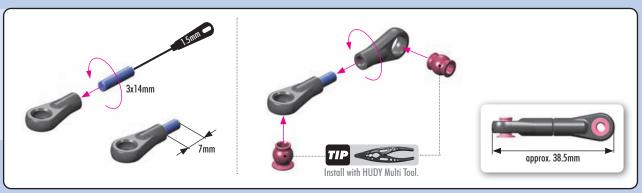
## 13. THROTTLE & BRAKE LINKAGE



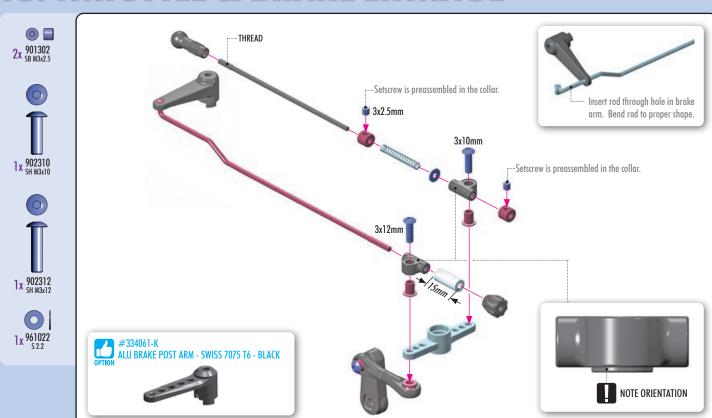


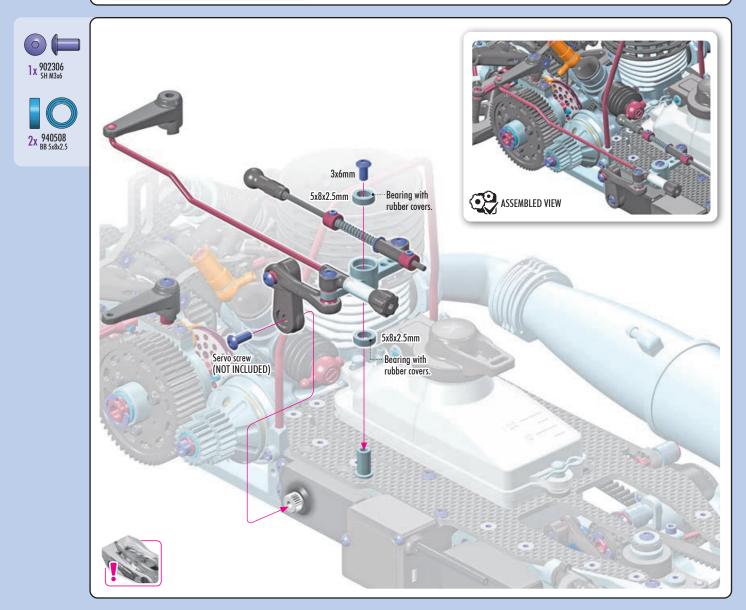






## **13. THROTTLE & BRAKE LINKAGE**





#### **CARB LINKAGE ADJUSTMENT**

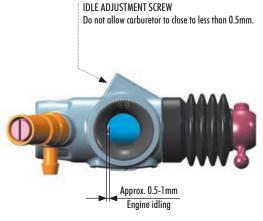


Turn on transmitter and receiver and set the throttle servo trim to the neutral position.

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 0.5 mm 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

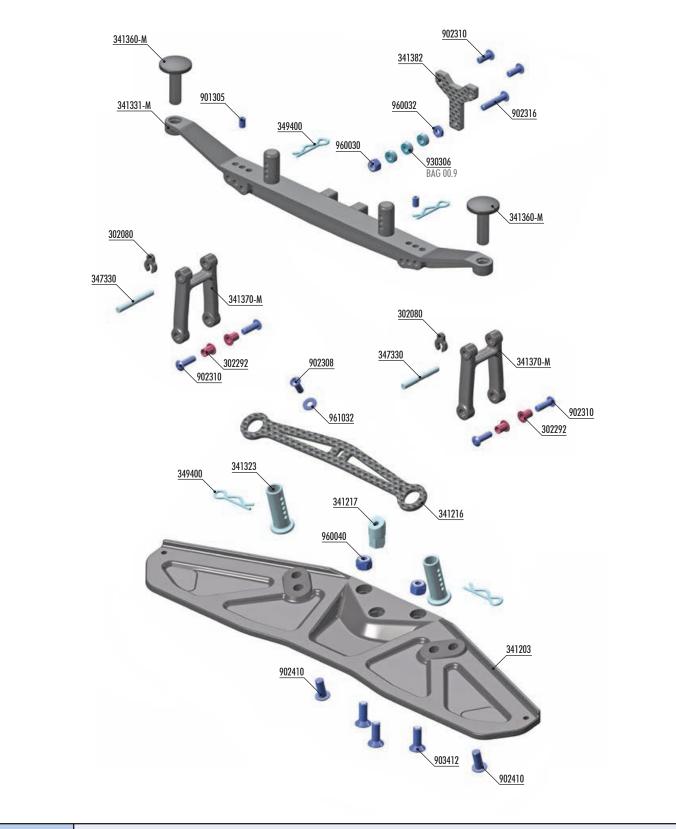


Adjust the composite collar on the brake linkage so the brakes work smoothly.

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



### 14. FINAL ASSEMBLY

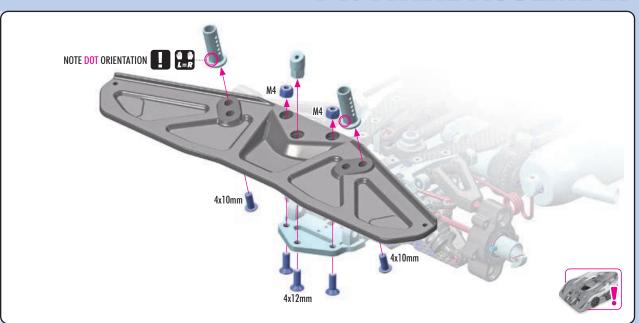


BAG 14

HEX SCREW SB M3x5 (10) 302080 CASTER CLIPS SET 4+3+2+1mm (2) 901305 302292 STEEL STEERING BUSHING LONG (4) 902308 HEX SCREW SH M3x8 (10) COMPOSITE BUMPER - DOWNFORCE HEX SCREW SH M3x10 (10) 902310 341203 HEX SCREW SH M3x16 (10) 341216 CARBON BRACE FOR FRONT BODY POSTS 902316 CARBON HOLDER FOR FRONT BODY POSTS & ALU HOLDER - SET HEX SCREW SH M4x10 (10) 341217 902410 ALU FRONT BODY POST - SHORT - SWISS 7075 T6 (2) HEX SCREW SFH M4x12 (10) 341323 903412 341331-M COMPOSITE REAR BODY HOLDER - HIGHER - MEDIUM 930306 BALL-BEARING 3x6x2.5 STEEL SEALED - OIL (2) COMPOSITE REAR BODY HOLDER SCREW - MEDIUM (2) 960030 NUT M3 (10) 341360-M 341370-M COMPOSITE REAR BODY HOLDER ARM - MEDIUM 960032 NUT M3 - BLACK (10) NUT M4 (10) 341382 CARBON REAR BODY CENTERING PLATE W. BALL-BEARINGS - SET 960040 347330 **REAR BODY HOLDER ARM PIN (2)** 961032 WASHER S 3.2 (10) 349400 BODY CLIP (10)

## **14. FINAL ASSEMBLY**

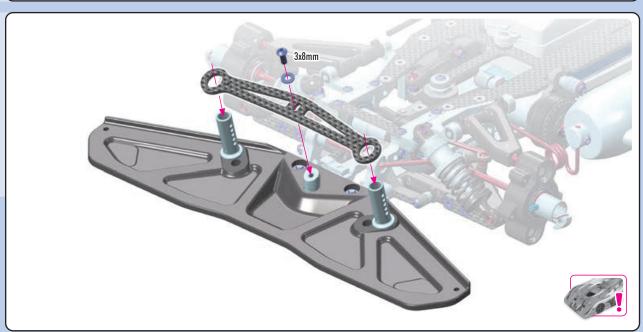




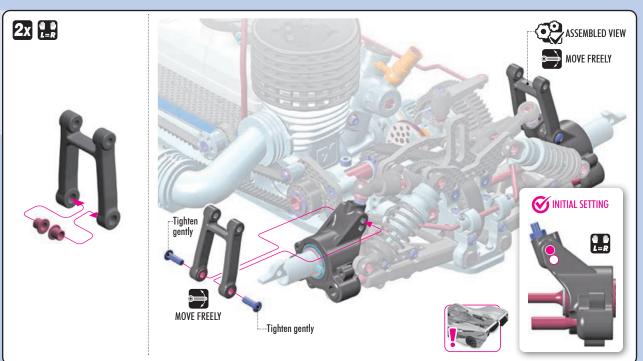


2x 960040 N M4



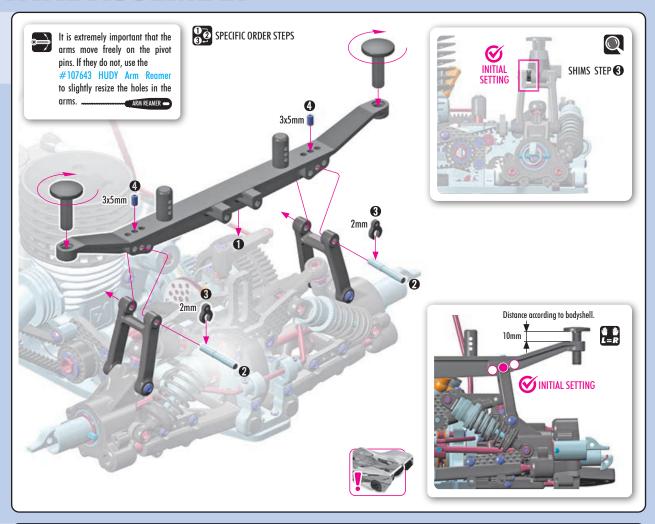




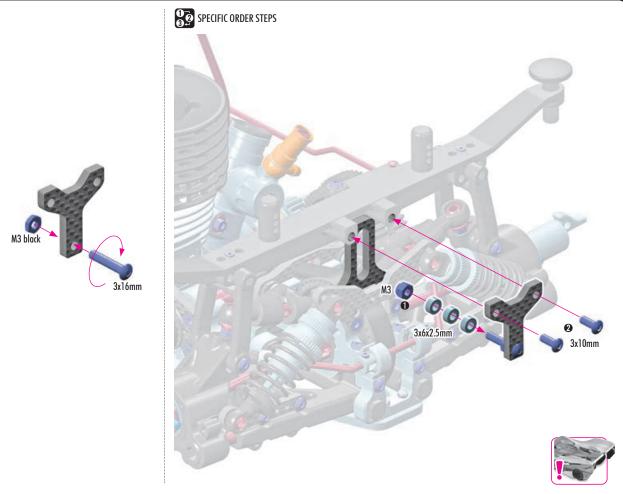


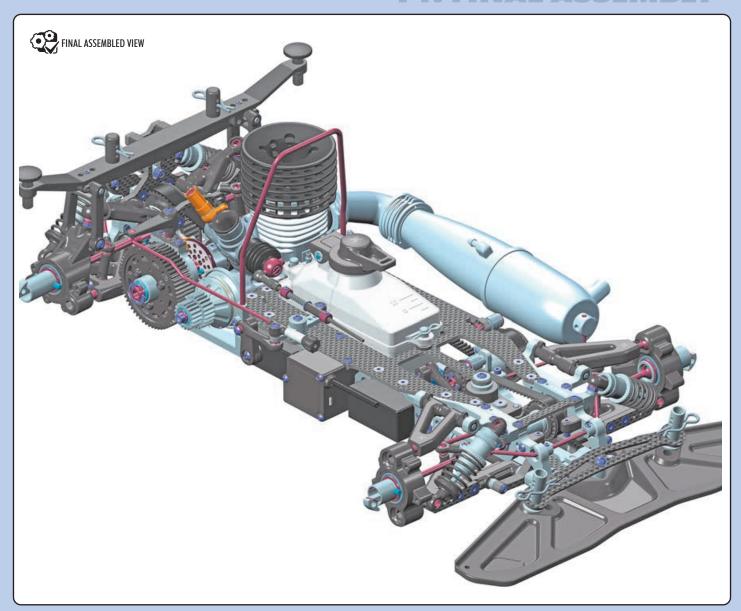
## 14. FINAL ASSEMBLY













## TIP

All ball-bearings are factory pre-oiled or pre-greased. The bearings are all packaged in BAG 00.9.

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

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

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





# ROFFESSIONAL RC TOOLS & ACCESSORIES















#107701 CHASSIS DROOP GAUGE SUPPORT BLOCKS (20mm) FOR 1/8 - LW (2)

#107711 CHASSIS DROOP GAUGE -3 TO 10MM FOR 1/8 CARS (20mm)



#107880 CHASSIS BALANCING SIMPLE TOOL - V2 (2)



#108150 HUDY TOURING CAR STAND - V3



#106000 HUDY DRIVE PIN REPLACEMENT TOOL



#107713 CHASSIS RIDE HEIGHT GAUGE 2mm TO 15mm (1mm STEPPED)



HUDY AIR VAC - VACUUM PUMP ON-ROAD 1/8, 1/10, 1/12

#106200 HUDY MAGIC CLEANING GUM



#108190 HUDY ALU PARTS TRAY 160x100mm



#199060 HUDY ALU TOOL STAND

# www.hudy.net





HUDY PURE TUNGSTEN WEIGHT THIN ROUND 15mm WITH M3 - 10g







#108504 #108501 #108502 #108503 FLAT SET-UP BOARD 1/8 ON-ROAD - LIGHTWEIGHT - TITANIUM FLAT SET-UP BOARD 1/8 ON-ROAD - LIGHTWEIGHT - GREY FLAT SET-UP BOARD 1/8 ON-ROAD - LIGHTWEIGHT - SILVER GREY FLAT SET-UP BOARD 1/8 ON-ROAD - LIGHTWEIGHT - DARK GREY FLAT SET-UP BOARD 1/8 ON-ROAD - LIGHTWEIGHT - BLACK #108505

HUDY STAR-BOX ON-ROAD 1/10 & 1/8 - LIPO VERSION



#199310 HUDY PIT BAG - COMPACT

#293084 BALANCING CHASSIS WEIGHT 10g (4)

\* Accessories not included



HUDY QUICK-TWEAK STATION 1/8 & 1/10 ON-ROAD



#104140 Hudy Engine Break-in Bench





# 104200 Hudy fuel bottle with Aluminum Neck



#105110 HUDY TIRE STICK 1/8 ON-ROAD, 1/8 OFF-ROAD & 1/8 GT (4)



HUDY TITANIUM BALL STUD D=4.9 / L=6 / S=3.5 / 2MM HEX (2)



#106205 HUDY WASH BOX



#903306-T HUDY TITANIUM HEX FLAT HEAD SCREW SFH M3x6 (10)



#908306-T HUDY TITANIUM HEX SUPER LOW HEAD SCREW SLH M3x6 (10)



#106210 HUDY GRAPHITE GREASE



#199911 HUDY PIT MAT ROLL 750x1200mm



#107843 HUDY CLEANING BRUSH CHEMICAL RESISTANT - 2.0"



#106281 HUDY BODY FIX 2 - 28g/1oz

# www.feamxray.com

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