

ASSEMBLY INSTRUCTIONS



Every dream has a beginning and an end. This one just happened to start out in the O'Donnell family garage back in 1980. Young Steve O'Donnell wasn't satisfied with the mediocre products that the RC industry had to offer, so he set out to build the best engineered and manufactured products available. Lucky for us, his dream is far from over...

O'Donnell took his vast knowledge of nitro engine tuning and soon designed products that would complement his talents. First came his custom designed and machined aluminum cooling heads for the on-road racing scene. Finding another void in the industry, he also began producing custom tuned pipes to better utilize all of the power these nitro burning monsters could produce.

The efforts of O'Donnell did not go overlooked. Some of the major R/C manufacturers went to O'Donnell Manufacturing to have their trick aluminum parts machined. O'Donnell's meticulous standards and overwhelming knowledge of the products made it a natural fit. Over the past 28 years, O'Donnell Manufacturing has produced parts for such notable companies as Team Associated and Team Losi.

O'Donnell Manufacturing took another major step forward in 1988 when they introduced O'Donnell Racing Fuel...the name that made them famous with racers around the world. Once again, O'Donnell saw a need — for a high-quality fuel specifically blended for the demands of nitro burning car engines. From that point on, O'Donnell Racing Fuel became synonymous with winning. To this day, no other fuel has won as many national championships as O'Donnell Racing Fuel.

To complement the racing fuel, O'Donnell set out in 2000 to design a glow plug that would out-perform and out-last all the competitors. The result? Two U.S. patents and a World Championship. Not bad for someone who started out in his parents' garage. Today, O'Donnell glow plugs are the choice of champions worldwide.

In 2008, O'Donnell released their new Z01-B 1/8 Off-Road Buggy to the RC racing world. Throughout its two year development period, prototypes of the new buggy racked up impressive results in competitions nationwide. Racers are amazed at the durability and reliability (not to mention outstanding fit & finish) of this rugged machine. It is simply the toughest 1/8 buggy on the market.

Now, after even further development, refinement, testing, as well as feedback from Z01-B owners and team drivers, we are proud to introduce the Z01-B Team Edition. The Team Edition features a wide variety of updates that make this the Ultimate Racing Buggy!

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WARRANTY

- O'Donnell® guarantees this kit to be free from defects in both material and workmanship at the date of purchase. O'Donnell will warranty this kit for 90 days after the purchase date. O'Donnell will repair or replace, at no charge, the incorrectly made part.
- Make sure you save the receipt or invoice you were given when you
 bought your model! It is your proof of purchase and we must see
 it before we can honor the warranty. Further, O'Donnell reserves
 the right to change or modify this warranty without notice.
- In that O'Donnell has no control over the final user assembly or material used for final user assembly, no liability shall be assumed nor accepted for any damage resulting from the use by the user of the final user-assembled product. By the act of using the userassembled product, the user accepts all resulting liability.

To return your Z01B Team for repairs covered under warranty you should send your buggy to:

Hobby Services
3002 N. Apollo Drive Suite 1
Champaign, Illinois 61822
Attn: Service Department
Phone: (217) 398-0007 9:00 am-5:00 pm Central Time M-F
E-mail: hobbyservices@hobbico.com
www.hobbyservices.com

If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to return this kit immediately in new and unused condition to the place of purchase.

SAFETY PRECAUTIONS

Use care and good sense at all times when operating this radio controlled buggy. Failure to use this vehicle in a safe, sensible manner can result in injury or damage to property. You and you alone must insure that the instructions are carefully followed and all safety precautions are obeyed.

- Do not operate the Z01B Team near people. Spectators should be behind the driver or at a safe distance away from the vehicle.
- Water can cause the electronics to short out and can cause permanent damage.
- Always turn on the transmitter before turning on the receiver.
- Fully extend the transmitter antenna before operating your vehicle.
- Before turning on your radio system, check to make sure that no one else is running on the same frequency.
- The engine and exhaust produce quite a bit of noise. Do not run this vehicle when or where it can disturb others.
- The engine and exhaust can become very hot. Avoid touching any of these parts during use and until they have cooled down.

- Model engine fuel is poisonous. Make sure you read and follow all of the precautions on the fuel container. Keep fuel out of the reach of children.
- Model engine fuel is flammable and when ignited has a flame that is difficult to see. Avoid sparks, flames, smoking, or any other ignition source when fuel is near.
- The engine emits harmful fumes just like real vehicles. Do not operate this model indoors.
- Avoid running the buggy in cold weather. The plastic and metal parts can become brittle at low temperatures. In addition, grease and oil become thick, causing premature wear and poor performance.

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GENERAL BUILDING TIPS

- Read the instructions carefully before starting assembly.
- We recommend building the kit on a towel to help prevent small parts and screws from rolling off your work surface.
- Before turning on your radio system, check to make sure that no one else is running on the same frequency.
- Do not use an electric screwdriver/drill for assembling the kit. This could cause parts to strip out from overtightening.
- Use a quality threadlock where specified in the manual.



Parts for step included in this parts bag.



Apply grease to part(s) indicated. Note: Always use black moly grease on areas indicated.

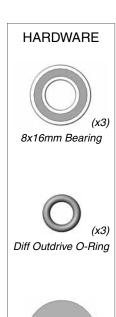


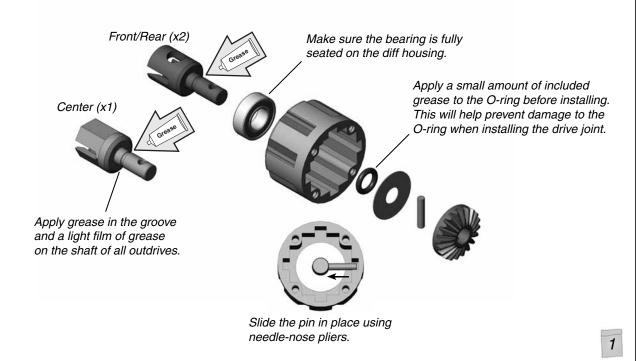
• Apply threadlock to screw(s) indicated. IMPORTANT: Clean oil or film from screws before applying threadlock.





1 DIFF HOUSING



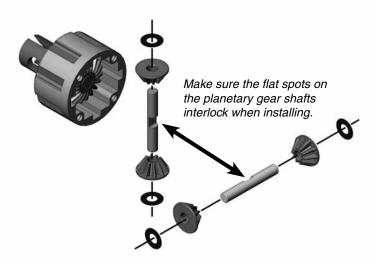


2 DIFF PLANETARY GEARS



(x3)

Sun Backing Washer



SPUR/DIFF GEARS

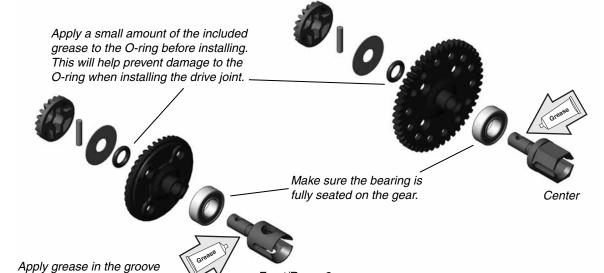




8x16mm Bearing







Front/Rear x2

1

DIFF OIL

HARDWARE

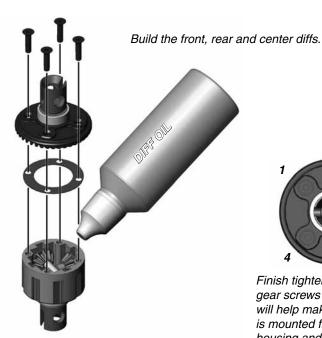


Screw

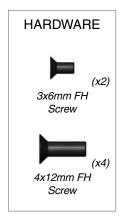


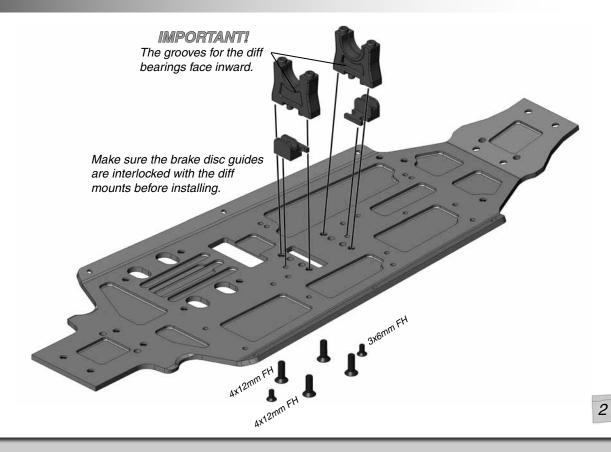
and a light film of grease on the shaft of all outdrives.

Fill the diff until the planetary gear shafts are completely covered with diff oil. When using heavy oils, you need to allow the oil to settle and add oil if necessary. Do not overfill! (Note: See set-up sheet for recommended diff oils.)



Finish tightening the diff gear screws in order. This will help make sure the gear is mounted flat on the diff housing and the housing is properly sealed.





HARDWARE

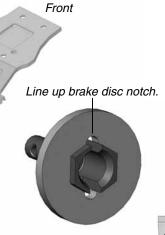
(x4)

Brake Pad Bolt

IMPORTANT!Brake pad bolt adjustment must be correct.

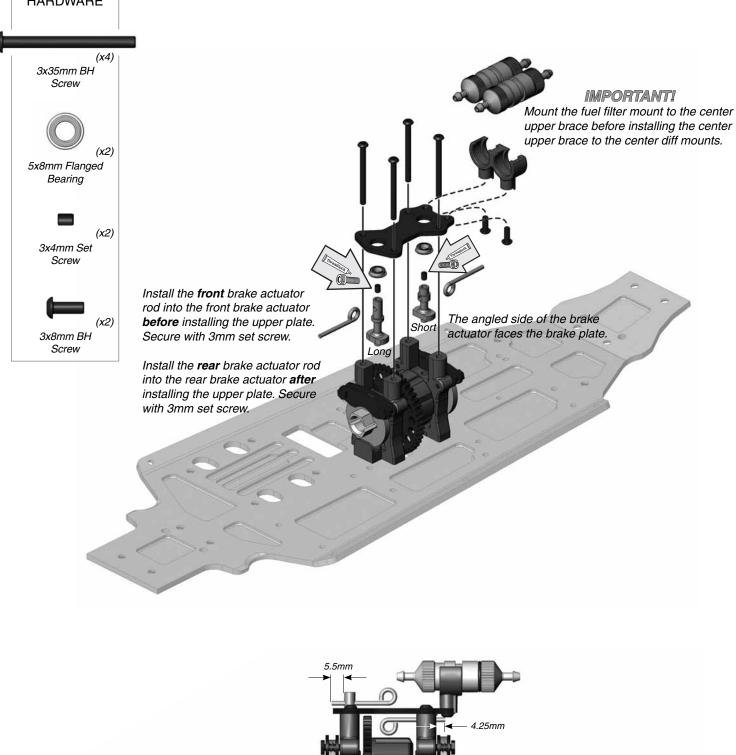
16.75mm

MOUNT THE CENTER DIFF

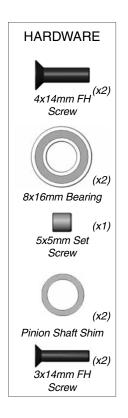


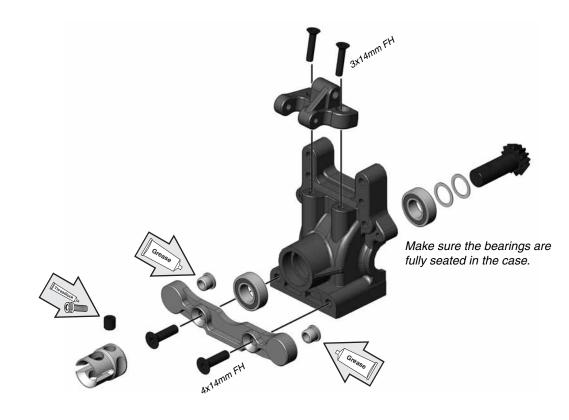
Front -

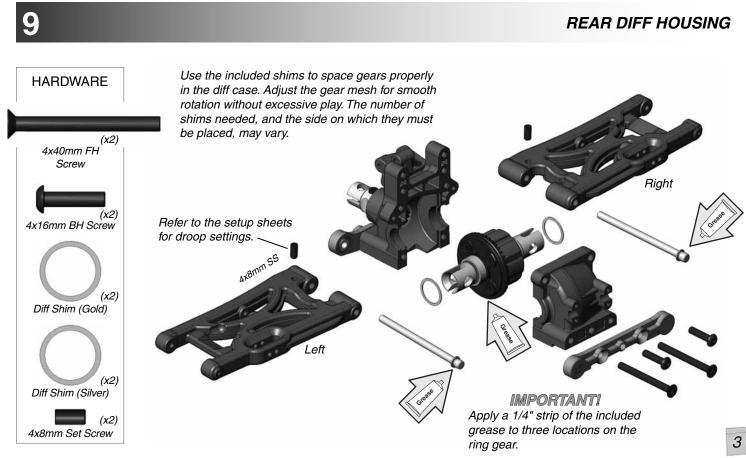
HARDWARE



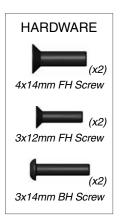
REAR DIFF JOINT

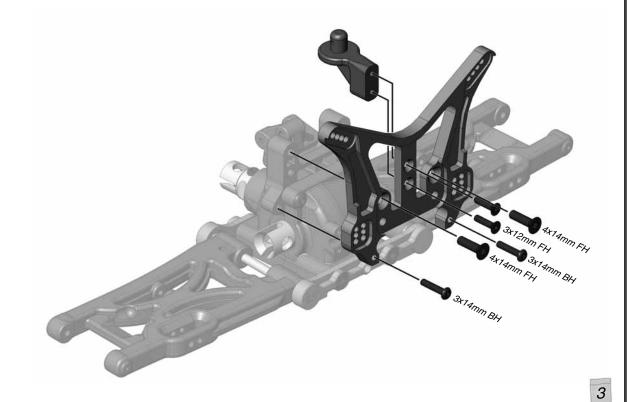




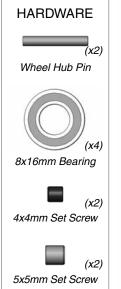


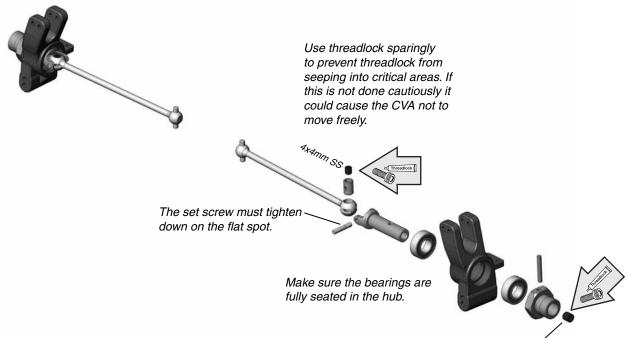
10 REAR SHOCK TOWER





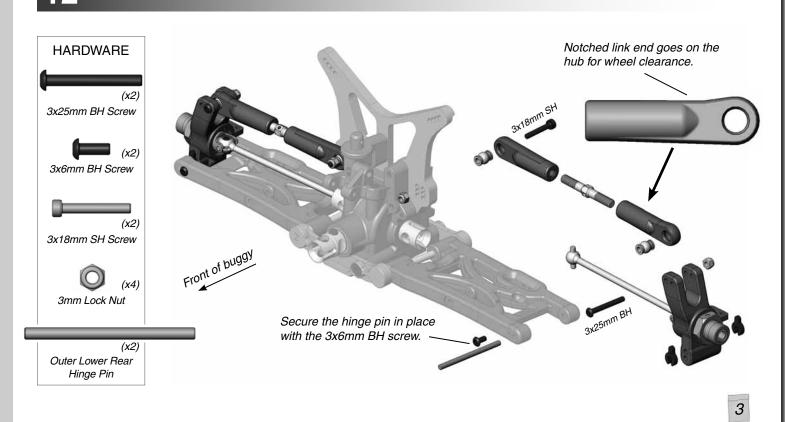
11 REAR OUTDRIVES

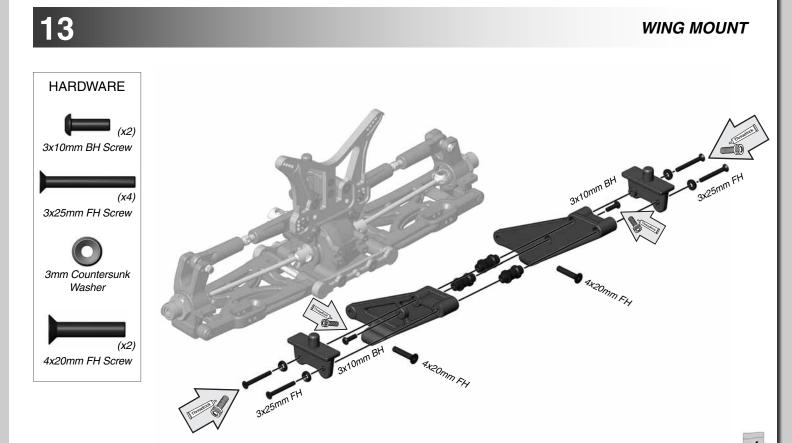




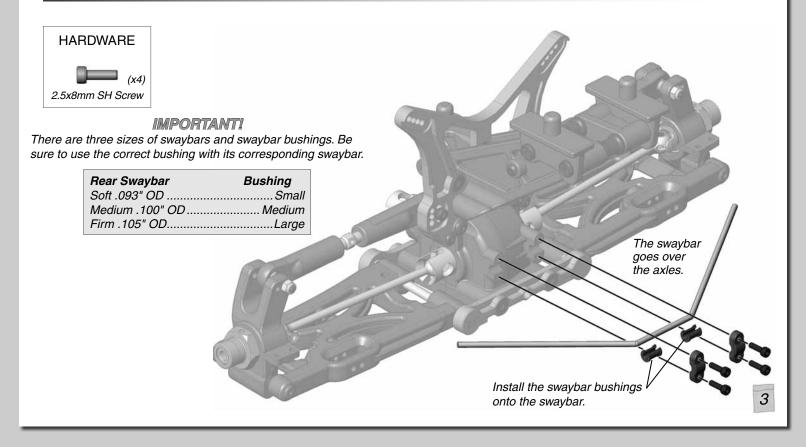
Secure the axle pin in the drive hub using the 5mm set screw.

12 REAR UPPER LINK

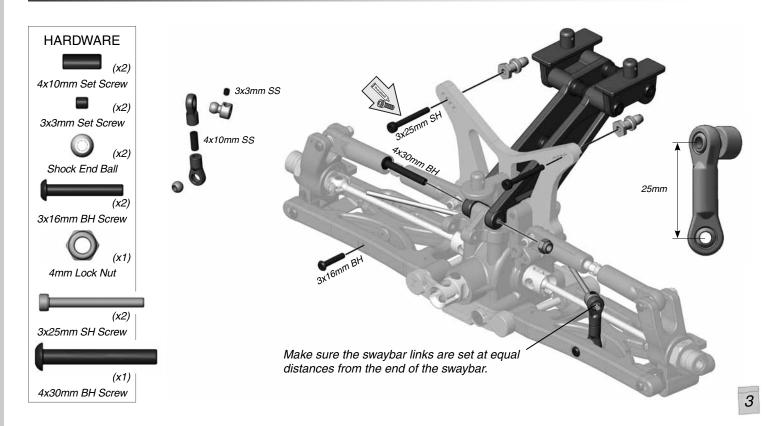




14 REAR SWAYBAR



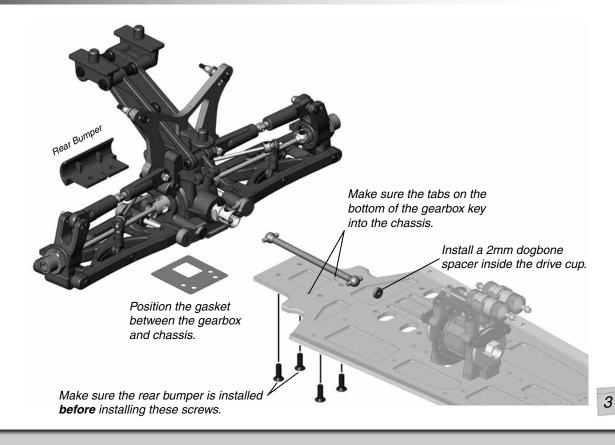
15 REAR SWAYBAR LINKS



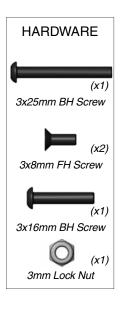
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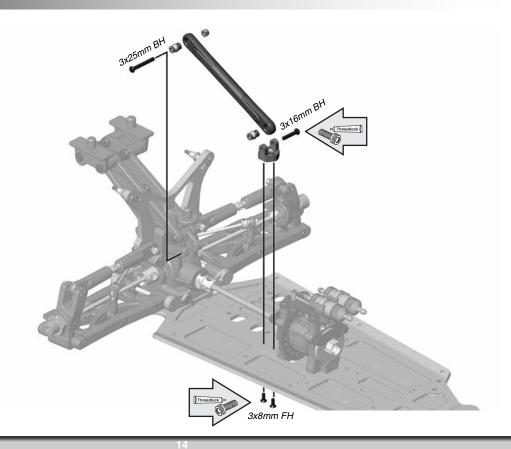
16 REAR SUSPENSION

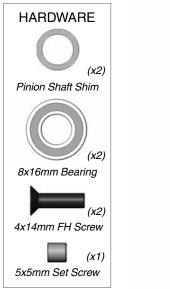


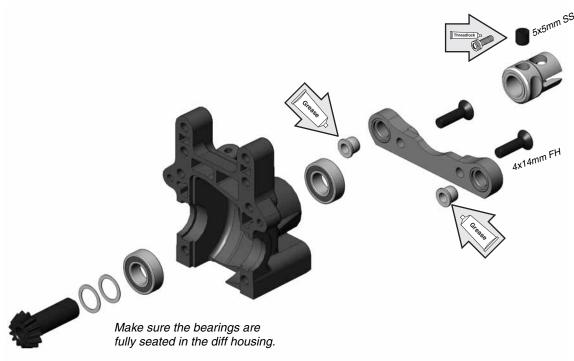


17 REAR CHASSIS BRACE

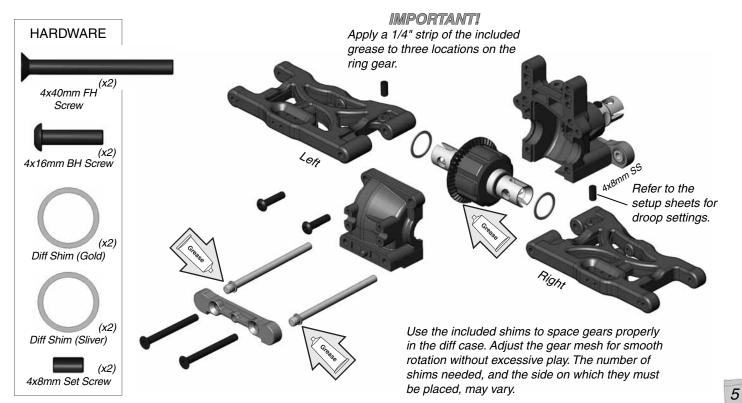


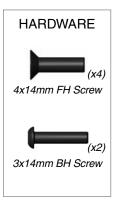


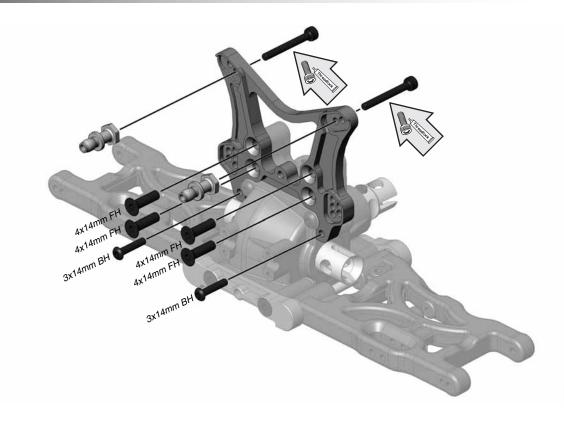




FRONT DIFF MOUNT





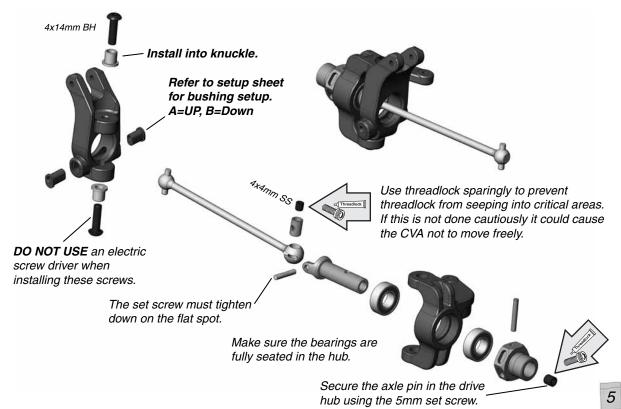


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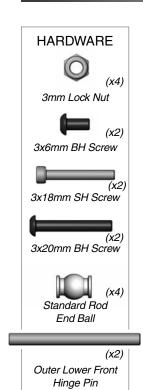
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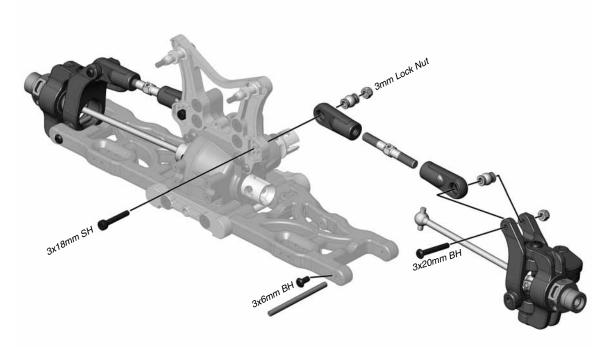
LEFT & RIGHT FRONT STEERING BLOCKS

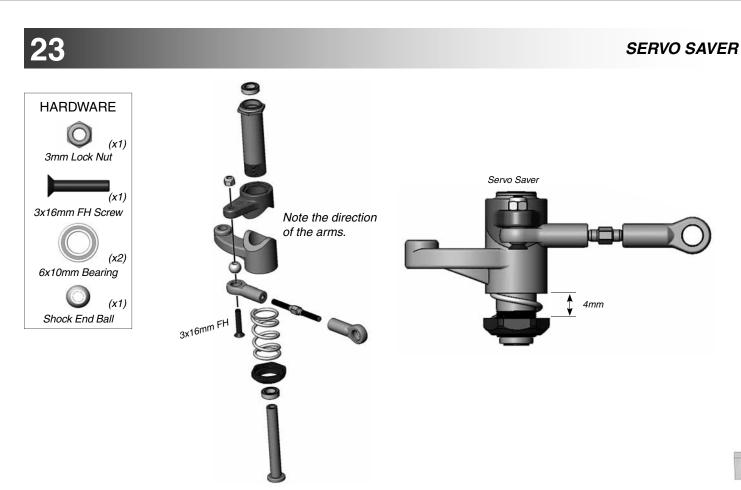




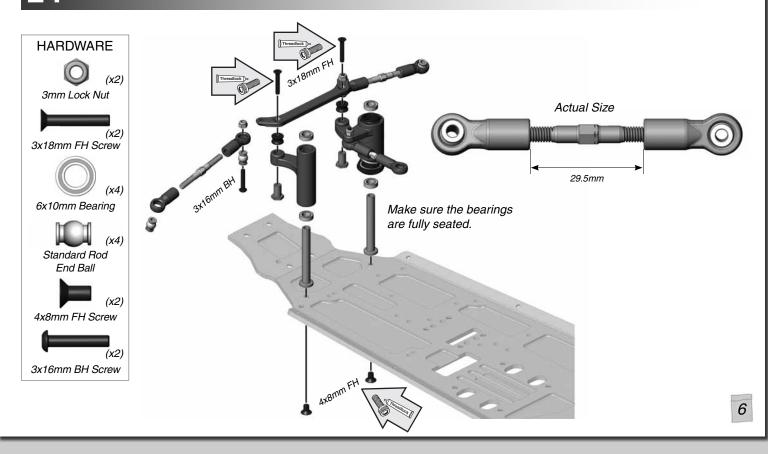
22 FRONT SUSPENSION



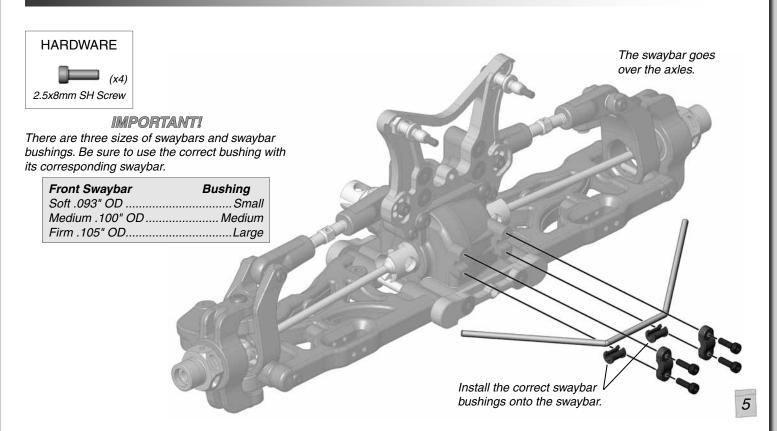




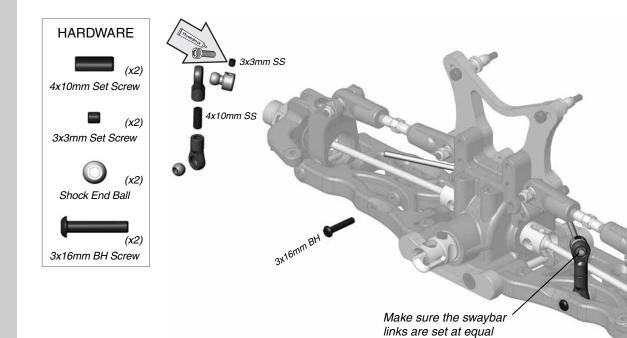
24 STEERING ASSEMBLY







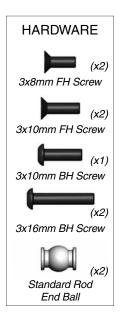
25mm

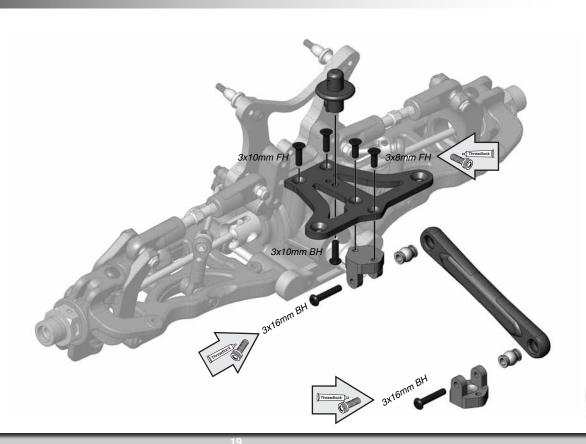


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27

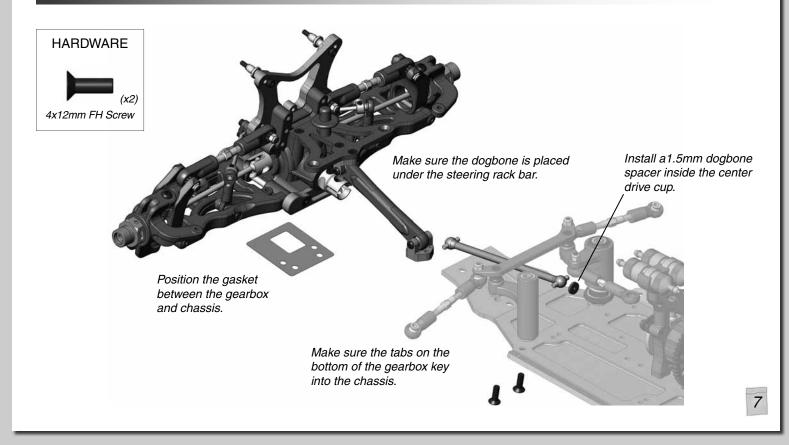
FRONT CHASSIS BRACE

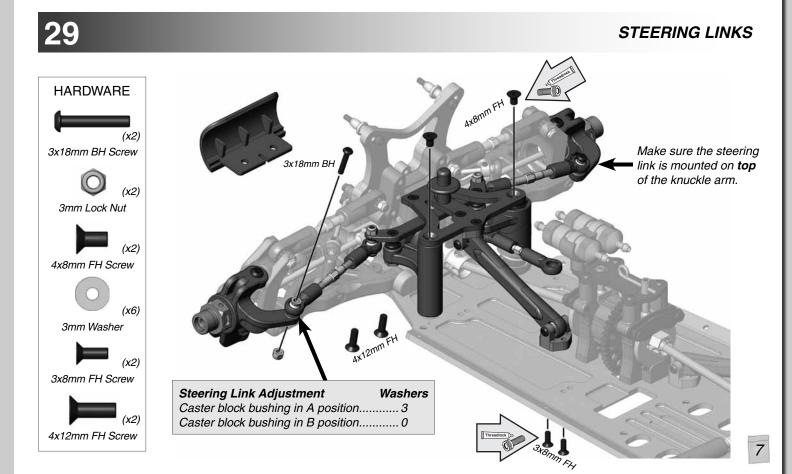




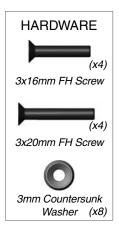
distances from the end of the swaybar.

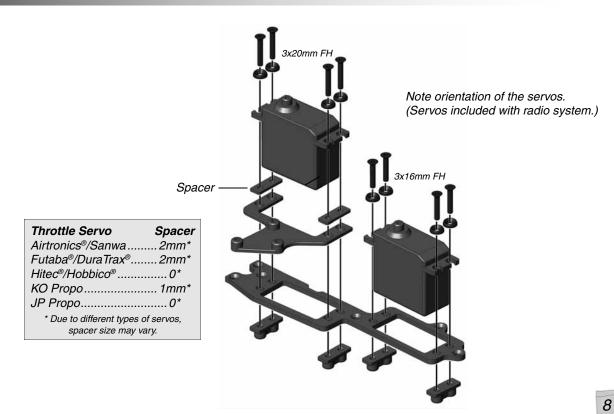
28 FRONT END



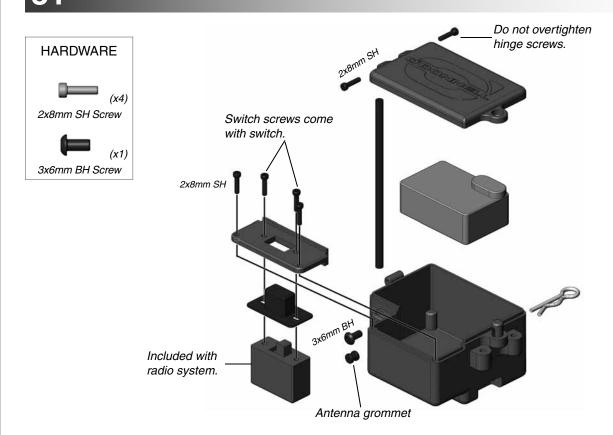


30 SERVO SPACER

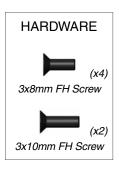


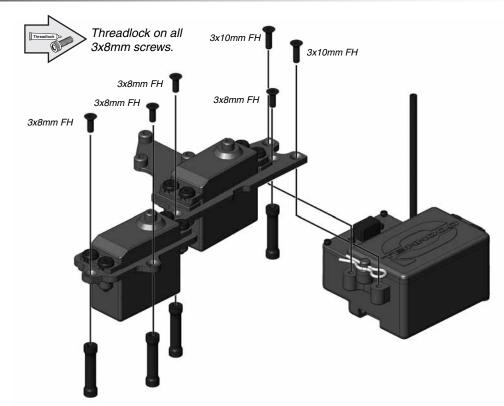


31 RECEIVER BOX



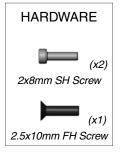
32 RADIO TRAY POSTS

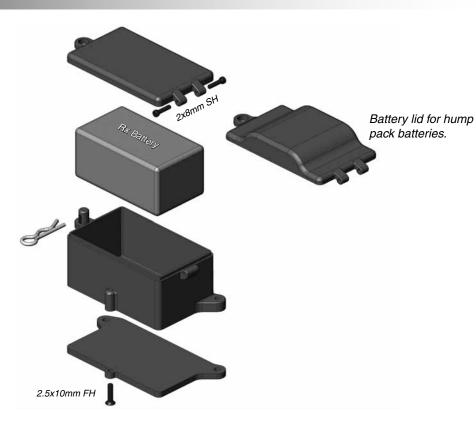




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33 BATTERY BOX

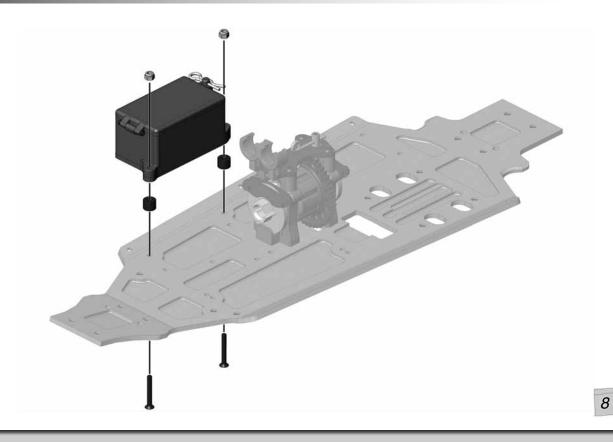




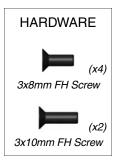
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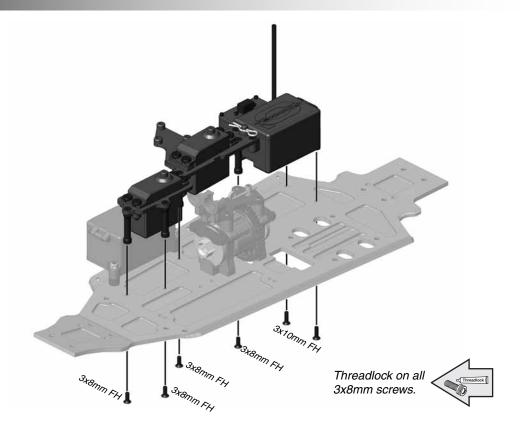
BATTERY BOX SPACERS



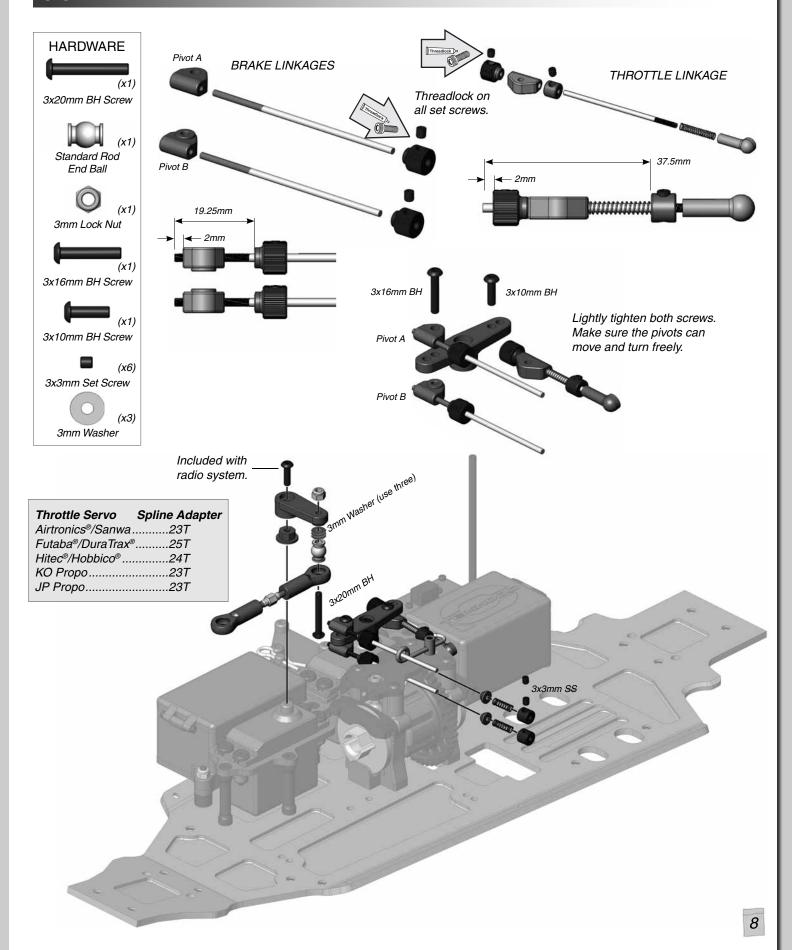


35 SERVO TRAY

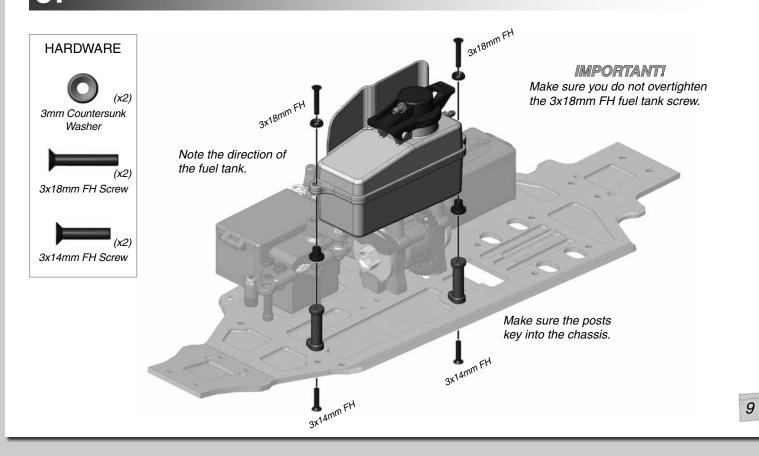




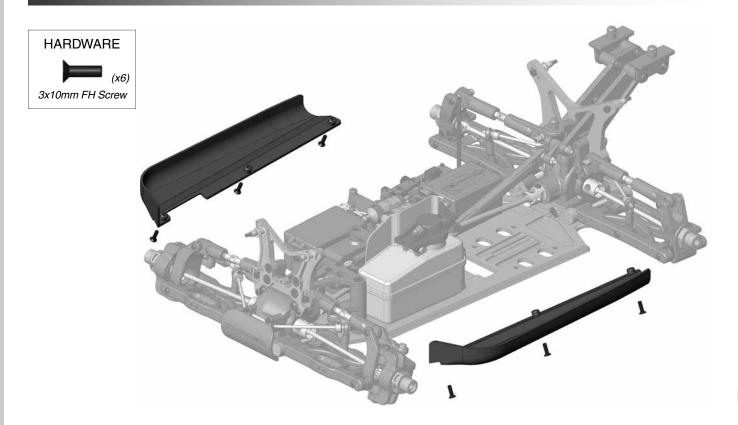
36 SERVO LINKAGES



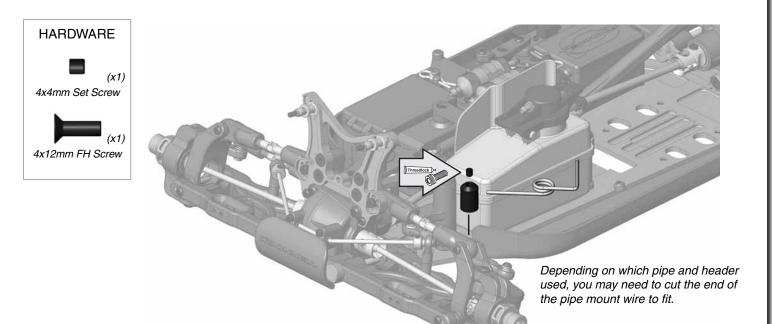
37 FUEL TANK



38 SIDE GUARDS

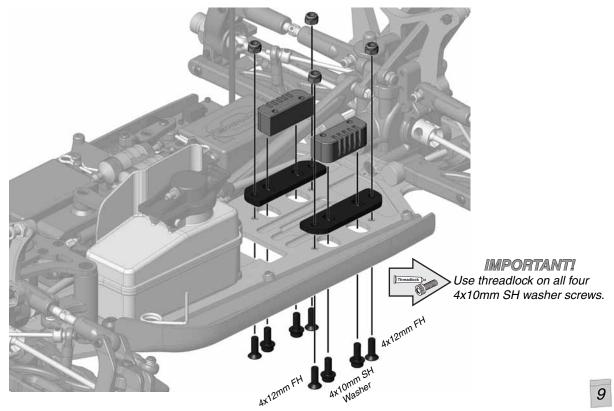


39 TUNED PIPE MOUNT

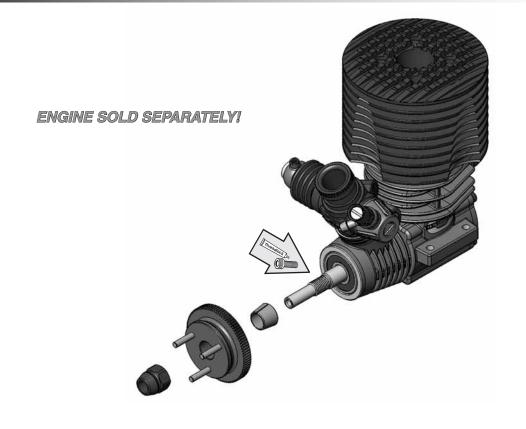


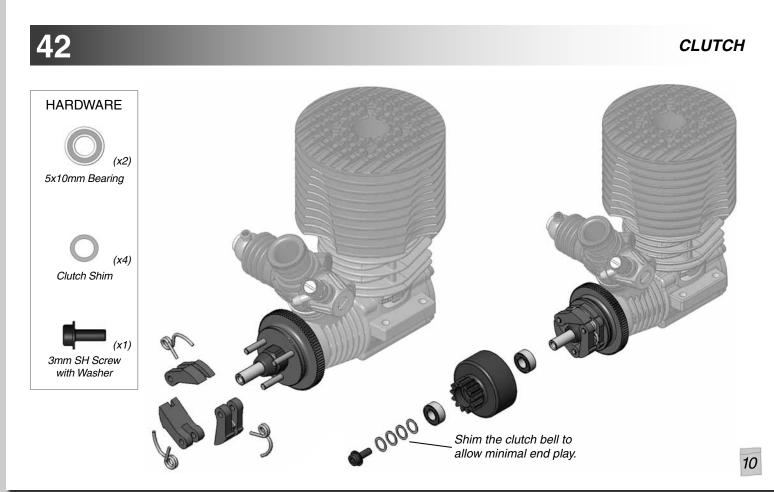
40 ENGINE MOUNT



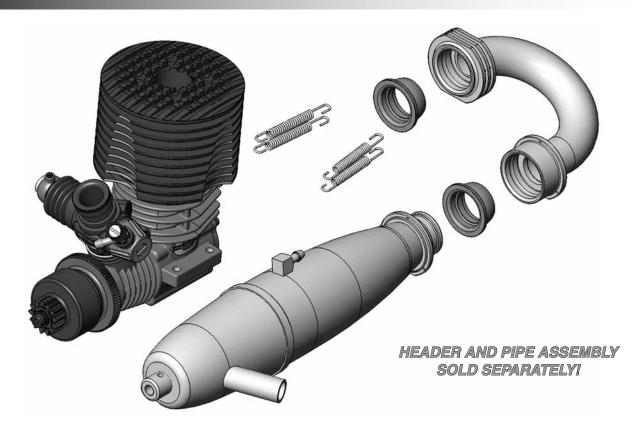


41 FLYWHEEL

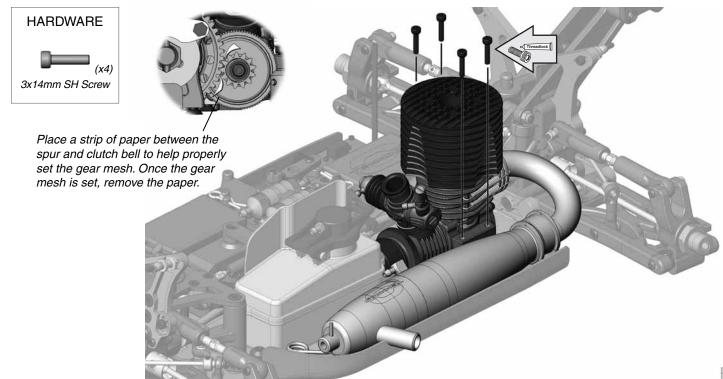




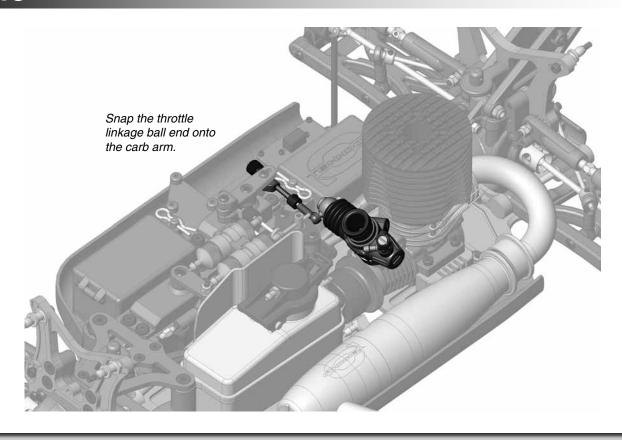
43 HEADER & PIPE



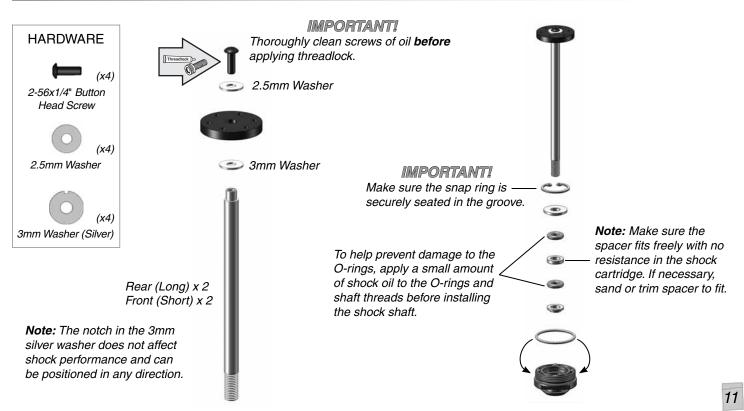
44 ENGINE INSTALLATION



45 THROTTLE LINKAGE



46 SHOCK SHAFT





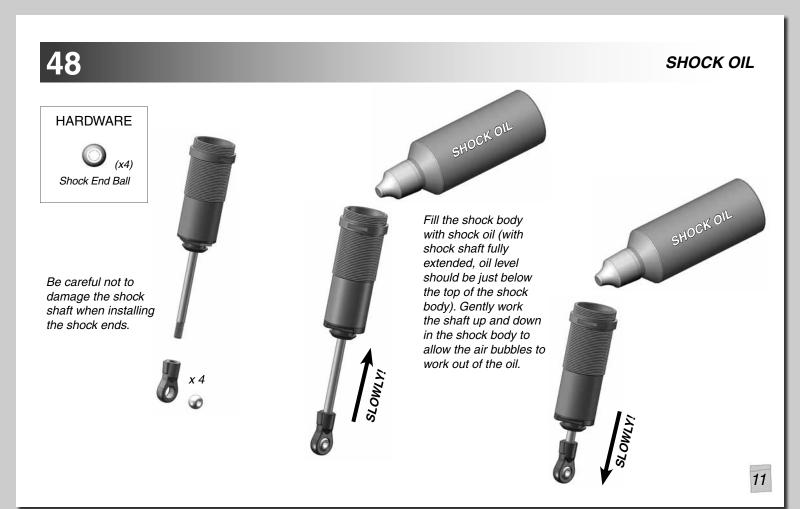
the long shaft into the long body and the short shaft in the short body.

Note: Be sure to install

IMPORTANT!

When installing the shock cartridge into the shock body, be sure to not cross-thread the cartridge in the shock body. Press the shock cartridge into the bottom of the shock body and rotate the cartridge backwards until you feel the threads engage. Then thread the cartridge into the shock body until it bottoms out. GENTLY snug the cartridge (DO NOT overtighten!)





Make sure the bladder is fully seated in the shock cap groove before installing it on the shock body.



IMPORTANT!
To avoid damage, DO NOT overtighten or use the hole in the cap when installing the cap on the shock body.

Slide the shock shaft up until the piston is to the top of the shock oil. Do not push the shock piston all the way out of the shock oil. Slowly thread the shock cap onto the shock body, allowing the excess oil to come out of the bleed hole in the shock cap. Using the included shock wrench, firmly tighten the shock cap.

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SHOCK BOOT AND SPRING

Install the shock boot over the shock end and secure it in place on the shock body. Gently work the shock end out the bottom of the shock boot. The bottom of the shock boot should be firmly in place around the top of the shock end.



Thread the adjustable collar onto the shock body.



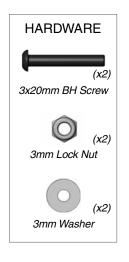
Make sure the spring retainer keys onto the tab on the shock end.

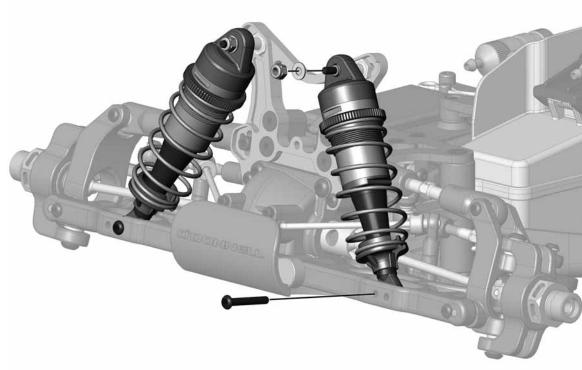
Be careful not to tear the shock boots during installation.



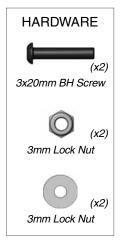
Rear (Long) x 2 Front (Short) x 2

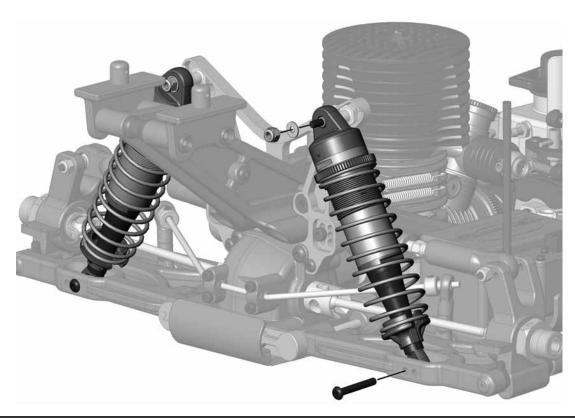
FRONT SHOCK INSTALLATION



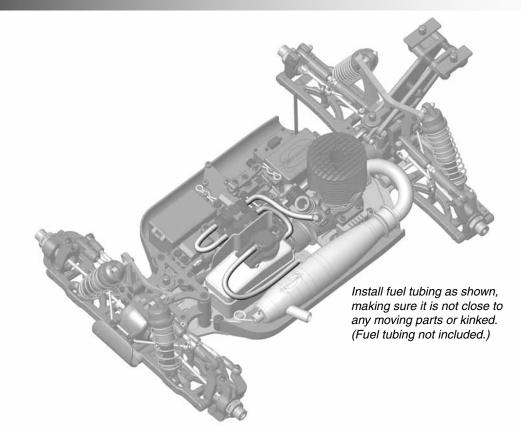


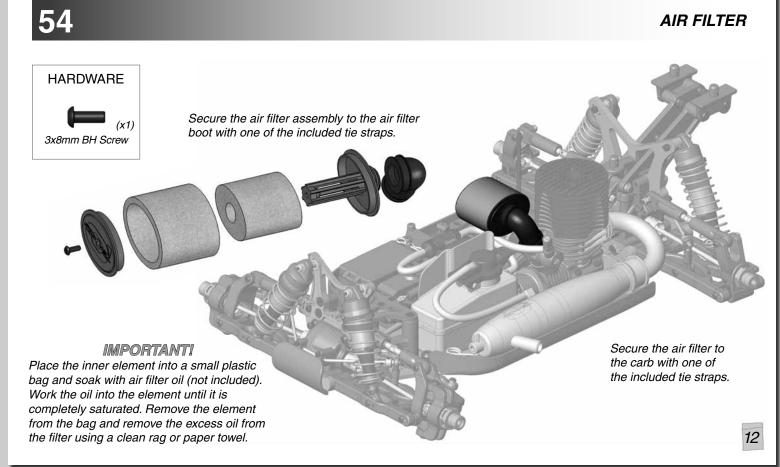
REAR SHOCK INSTALLATION



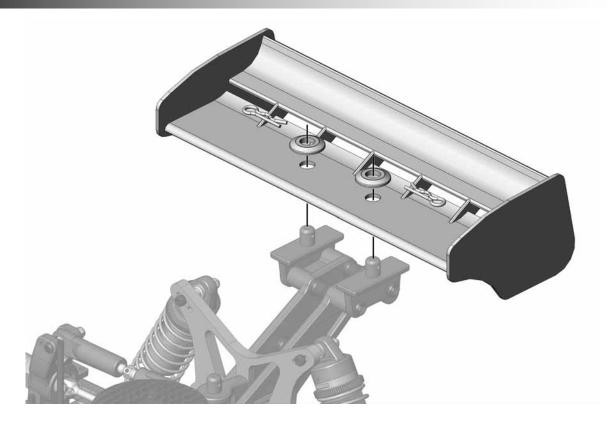


53 FUEL TUBING





55 WING INSTALLATION

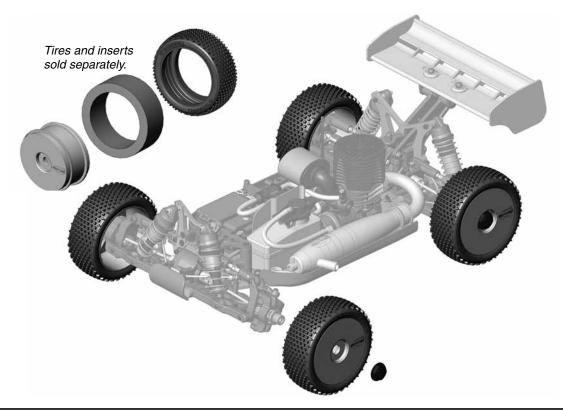


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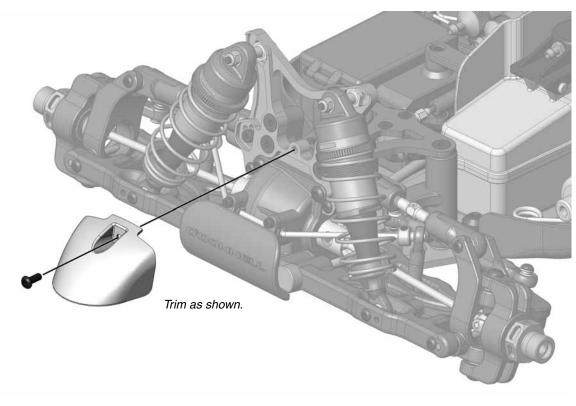
56

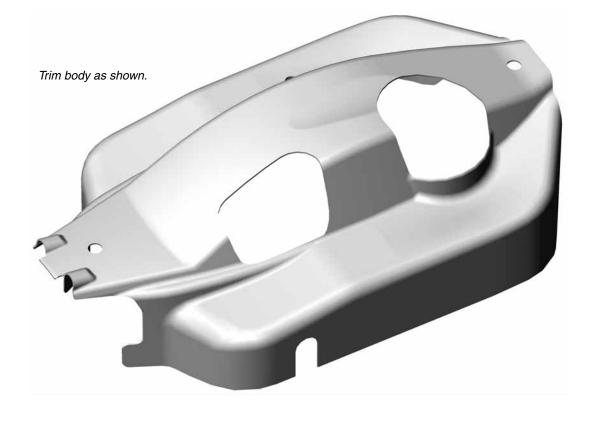
TIRE AND WHEEL INSTALLATION













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