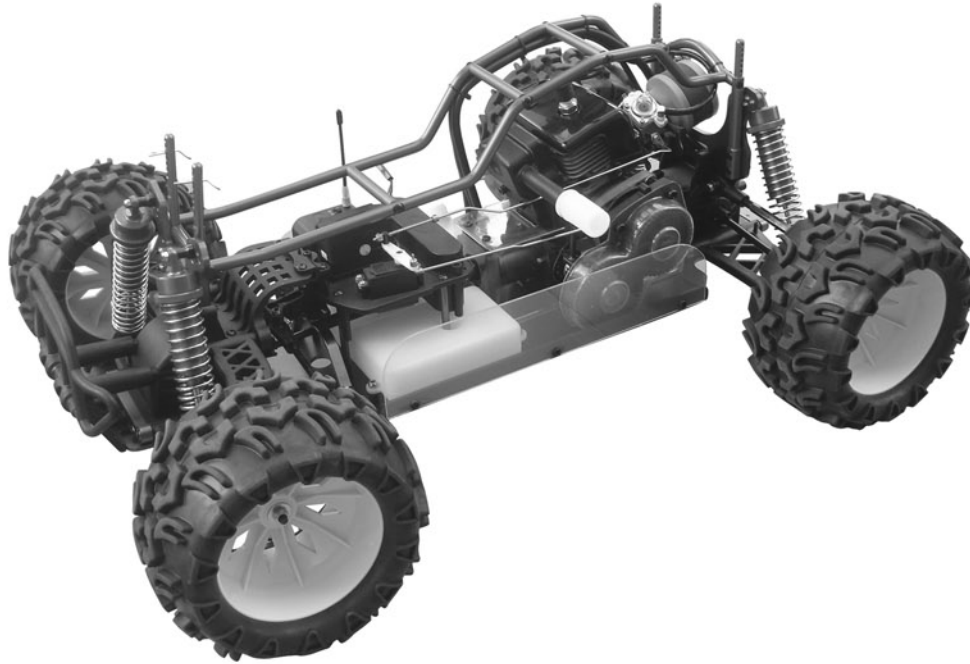


Ready To Run!

Model No. RH511/RH509

Hurricane V2



Features

Fully assembled ready to run chassis
Powerful CY27cc or CN28.5cc gasoline engine with slide carburetor pull starter
Stiff alum. roll cage and shock towers
High Torque steering servo & throttle servo
Diff. With built-in rear bevel gear

Adjustable width of double fork susp. System
Large Size Oil filled shock absorber
Stiff and sturdy 4.0mm alum chassis and side plate
Gear covers for all gear transmission
Disc break system
700cc fuel tank

Specifications	RH511(2WD)	RH509(4WD)
Length:	738mm	738mm
Width:	585mm	585mm
Height:	360mm	360mm
Wheelbase:	531mm	531mm
Tread(front/rear):	416/466mm	416/466mm
Weight:	12.5kgs	13.5kgs
Engine:	CY27cc or CN28.5cc	CY27cc or CN28.5cc
Gear Ratio:	9.0:1	9.0:1
Drive System:	2WD	4WD shaft drive
Throttle Servo:	13kg/cm	15kg/cm
Steering servo:	20kg/cm	30kg/cm

In order to improve the quality and performance, we may change the content without notice.

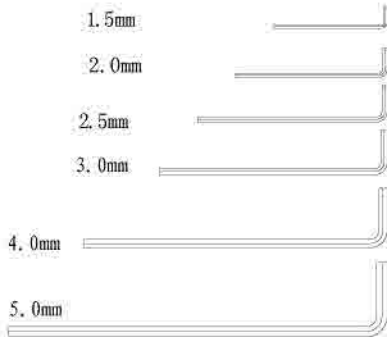
Notice before assembly

In addition to the tools included with the vehicle, you will require the following.

Caution: Before operating the vehicle for the first time, ensure the engine idle position is set correctly.

Otherwise, both life & performance of the vehicle will be compromised.

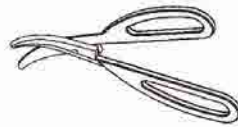
Tools needed for assembly



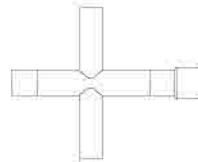
Allen Keys



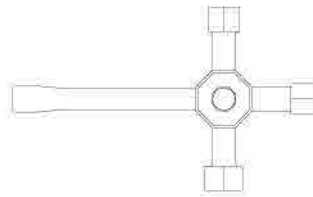
Knife



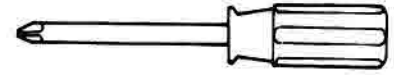
Scissors



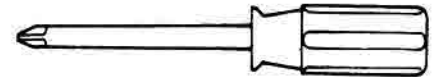
Small cross wrench



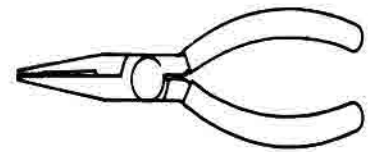
Cross wrench



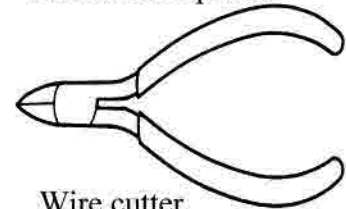
Small cross screwdriver



Cross screwdriver



Needle nose pliers

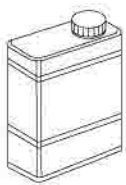


Wire cutter



CA glue

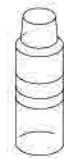
Additional accessories needed to buy for operating the engine



95# above gas and lubricating oil (2T oil) scale 25:1



Fuel Pump or Filler Bottle



Air filter Oil

2 channel transmitter system

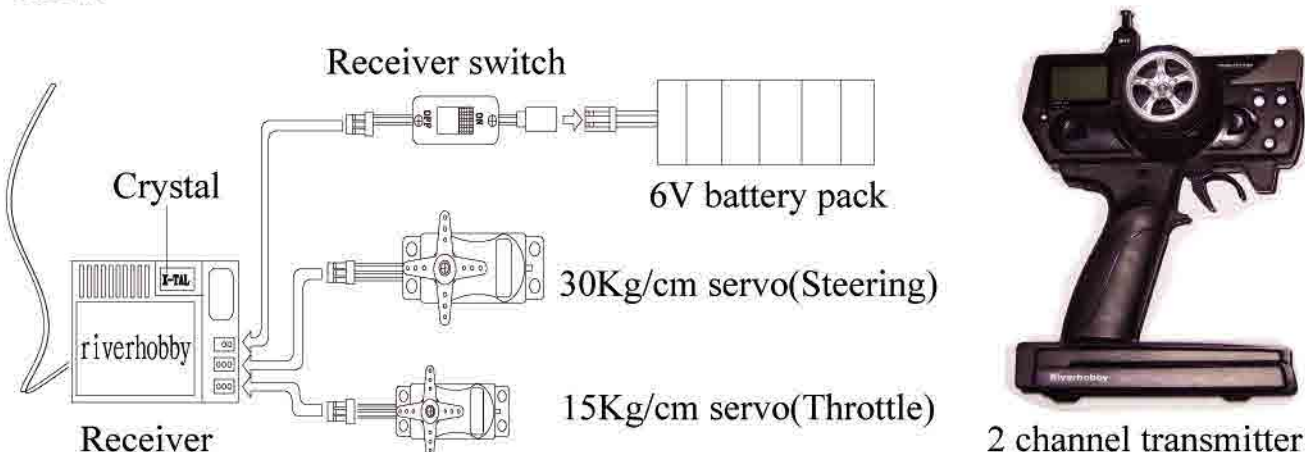
Please read the radio instruction manual carefully before use.

Install the Receiver & Transmitter batteries. (Never mix old batteries with new batteries)

Adjust the servo center positions before final assembly.

To adjust the servo center, turn on the transmitter & receiver & make sure all trims are centered.

Remove the center screw on the servo horn and reposition the horn until it is centered. Re-install the retaining screw.



Maintenance Instruction

Problem	Reason	Solution
Engine Hard To Start	<ol style="list-style-type: none"> 1. Check fuel lines for kinks, blockages or breaks. 2. Spark plug lead loose or shorted. 3. Spark plug dirty with carbon. 	<ol style="list-style-type: none"> 1. Clean or replace fuel lines. 2. Refit or replace spark plug lead. 3. Clean or replace spark plug.
Engine Flame out	<ol style="list-style-type: none"> 1. Fuel tank empty. 2. Kink in fuel line, dirty air cleaner or blocked muffler. 3. Poor carburettor adjustment. 4. Engine temperature too hot. 5. Carbon build up on spark plug. 	<ol style="list-style-type: none"> 1. Put fuel in tank. 2. Clean out or replace blocked parts. 3. Adjust carburettor needles to obtain best operation. 4. Allow engine to cool down. 5. Clean or replace spark plug.
Poor Engine Performance	<ol style="list-style-type: none"> 1. Poor carburettor adjustment. 2. Damaged engine or components. 3. Carbon build up or damaged spark plug. 4. Ignition system failure. 	<ol style="list-style-type: none"> 1. Adjust carburettor needles to obtain best operation. 2. Replace damaged engine parts. 3. Clean or replace spark plug. 4. Check ignition system & rectify fault.
Car difficult to control	<ol style="list-style-type: none"> 1. Low battery power in receiver or transmitter. 2. Receiver operation compromised. 3. Poor servo pushrod adjustment. 	<ol style="list-style-type: none"> 1. Charge or replace batteries 2. Check receiver & transmitter antenna installation. 3. Check servo centering & pushrod move.

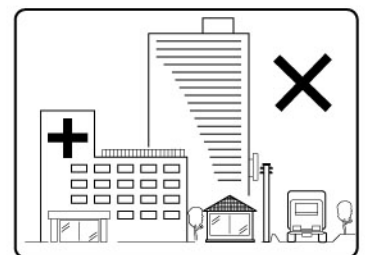
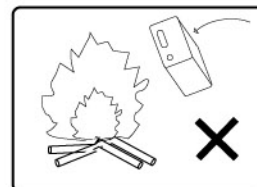
Safety instruction

- Play the car after carbody fixed
- Avoid frequently and suddenly change the steering direction
- Run on below situation
grass road, slosh, sandy or stony road
- The vehicle possibly can have the situation which very difficult to make a turn, especially when it climb the hill or run unsmooth ground, which do not indicate it has problem. Besides the screws, check the nuts frequently to see whether they become loose.

Warning: In order to avoid accident and person injury, pls do following issues:

- Use fuel safty
- Only use fuel out-of-doors
- Only use professional fuel:Zink Alkyl(Above 95#)1 gasoline and Highly lubricating oil (2T machine oil), proportion: 25:1.
- Do not use oil in doors or at places where have fire sources or heat resources.
- Do not eat oil or in eyes
- Put oil in places where is cool, dry without sunshine, children could not reach, put cap tightly
- Do not throw into fire! Otherwise it explode
- Do not finger in running parts

- Do not touch engine or muffler after you play prevent scald
- Do not play cars under below situation: (no observe possibly lead accident)
 - Road or railway
 - Children or people play at same places
 - Park , living places, hospital or airport
 - In door or limited places
- Check the power of bettery for receiver or radio controller, if the power is weak, the car possibly lose control
- Avoid play cars with same frequency with others
The car appear abnormal, please stop using immediately to check, otherwise, it will lead to an accident.

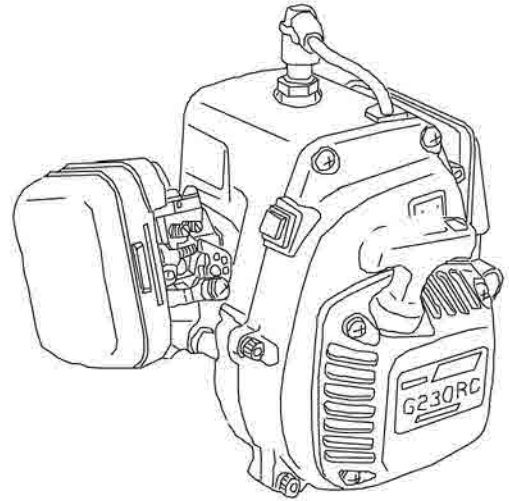


Engine Instructions.

Please read the following instructions carefully before starting the engine.

1. Running in process before driving the car.

- For running in the engine, run 1-2 tanks of fuel with the car running slowly, then run another 1-2 tanks of fuel at medium speeds. Once this has been done, the run in process is complete.
- NOTES: Due to the affect of external enviornment, you should clean the air filter after running your car more than 1-2 hours. Otherwise, it may affect performance or shorten your car's life.

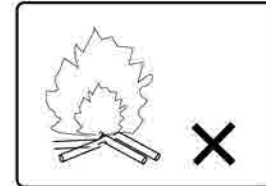


2.Fill the fuel

- Fill fuel tank with the specified fuel mix. The fuel mix should be 25:1, 95 Octane petrol and high quality 2 stroke oil.
- Close the fuel lid.

NOTICE:

- Never use alcohol based fuels or other flammable liquids. Otherwise rubber components in the fuel & carburettor system will be damaged.
- Petrol is very flammable, do not smoke near petrol.
- To avoid abnormal operation, ensure Fuel Filter, Air Cleaner & Fuel Lines are kept clean.



Starting the engine

- Push the priming valve until fuel is consistently flowing out the excess tube.
- Close the choke valve & make sure throttle is set to a fast idle on the transmitter.
- Pull the pull start until the engine fires briefly.
- Open the Choke valve.
- Pull the pull start until engine runs.
- Allow engine to warm up for a minute before driving car.

NOTICE:

- It may not be necessary to re-choke the engine if the engine is already warmed up.
- The engine may become hard to start if the engine is over choked, the spark plug will become too wet.
- When replacing the spark plug after drying, pull the pull start several times to let excess fuel out of the cylinder.

Stopping the engine:

- Press the red engine cut button located on the pull start housing to stop the engine.

Engine Maintenance:

- Keep the air cleaner clean at all times.
- Regularly check the condition of the spark plug.
- Keep the engine clean to avoid engine overheating.

Fig.1

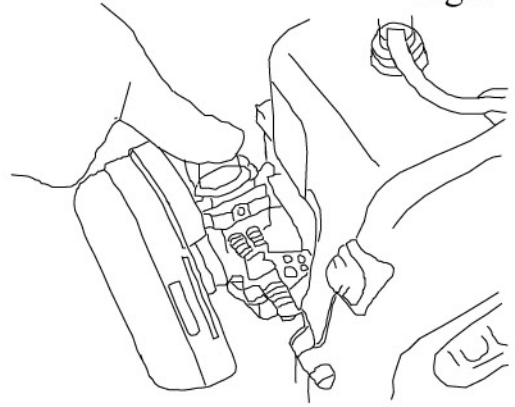


Fig.2

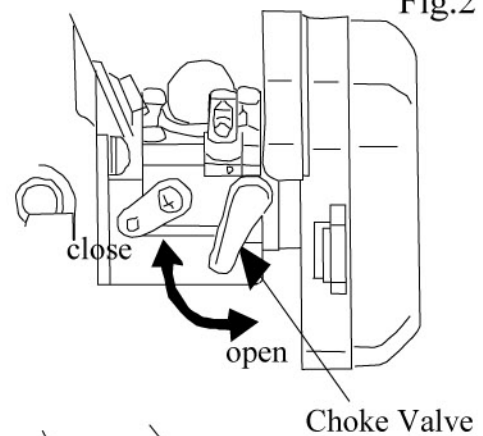
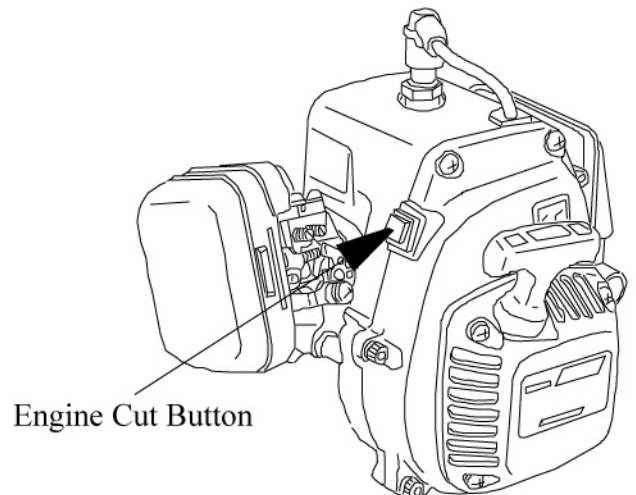
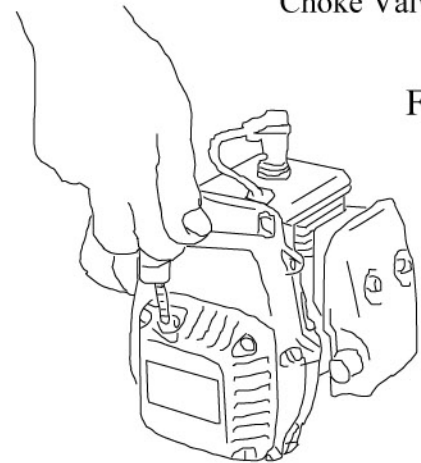
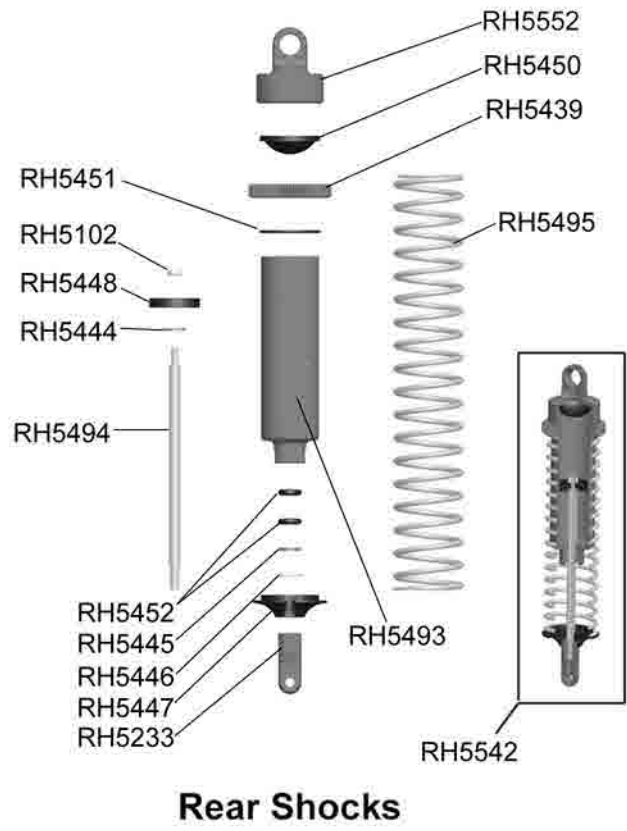
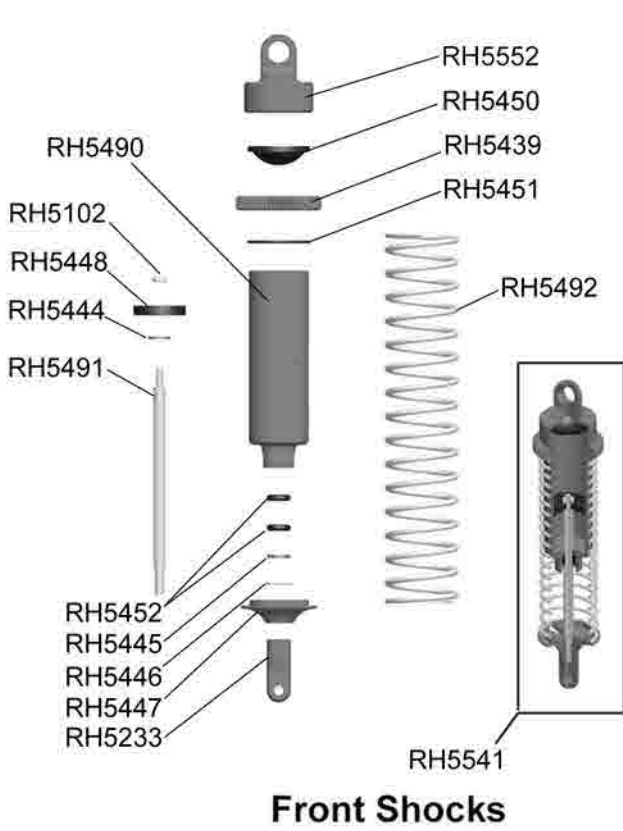


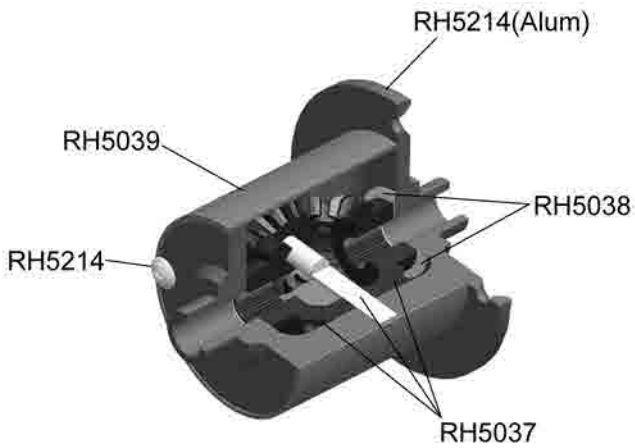
Fig.3



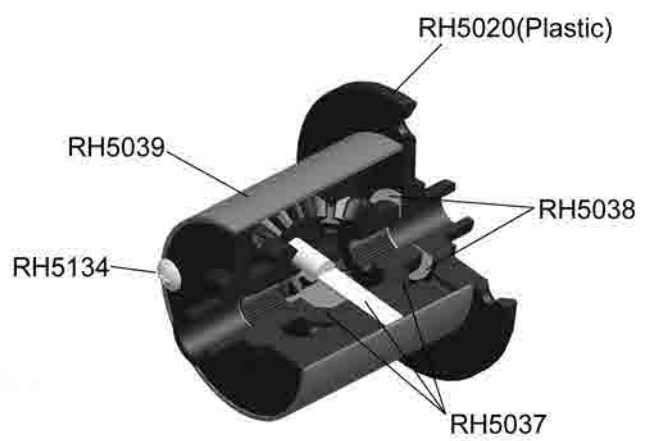
Shock Absorber Assembly



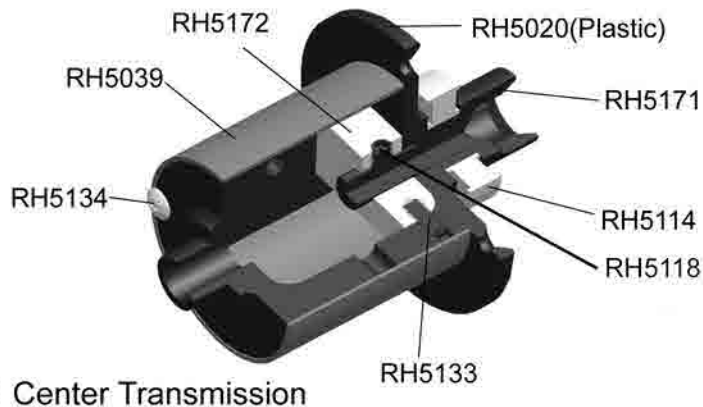
Diff Gear Box Assembly



RH511 Rear Diff Box
RH509 Front Diff Box

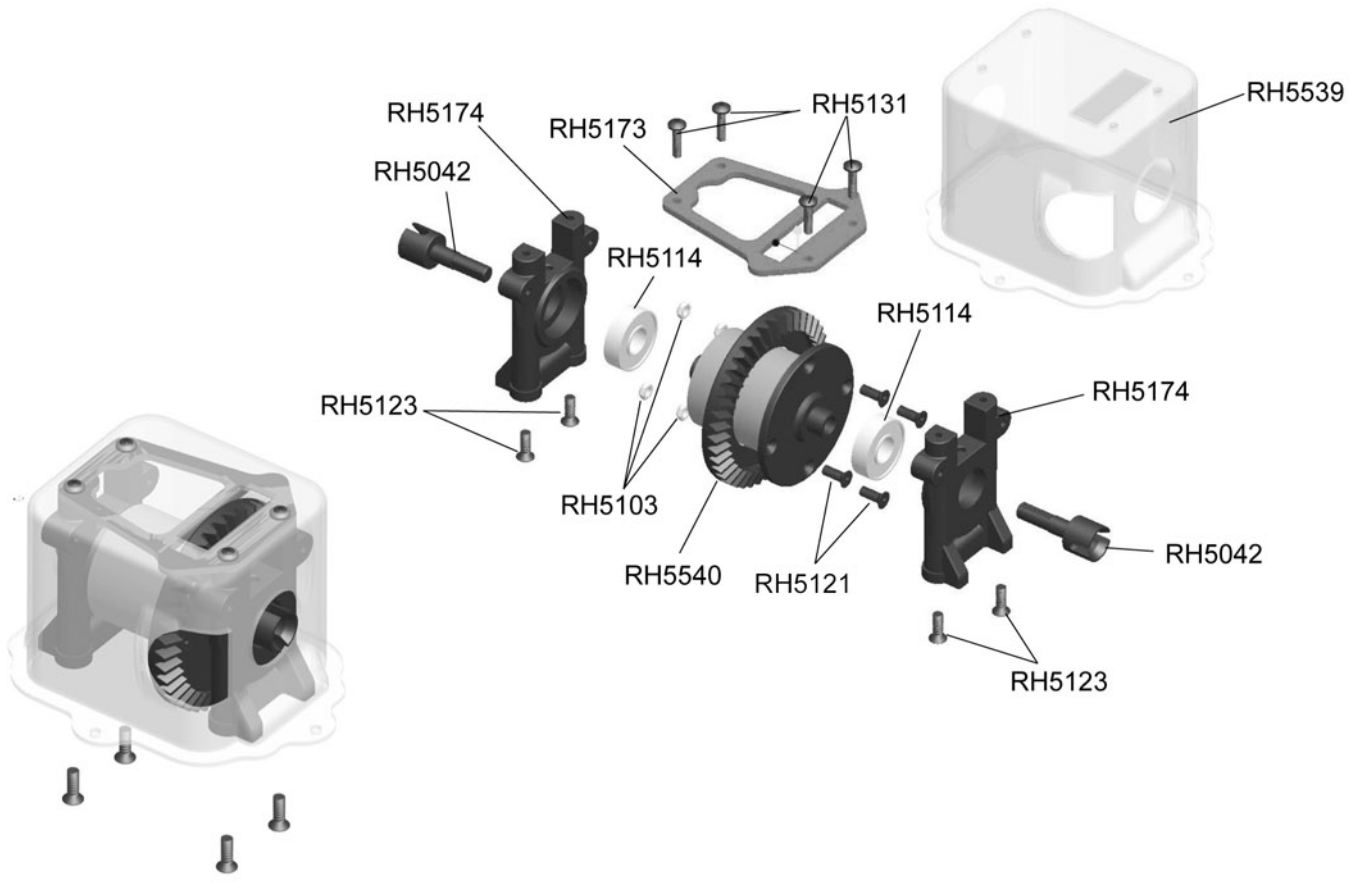


RH509 Rear Diff Box
RH509 Center Diff Box

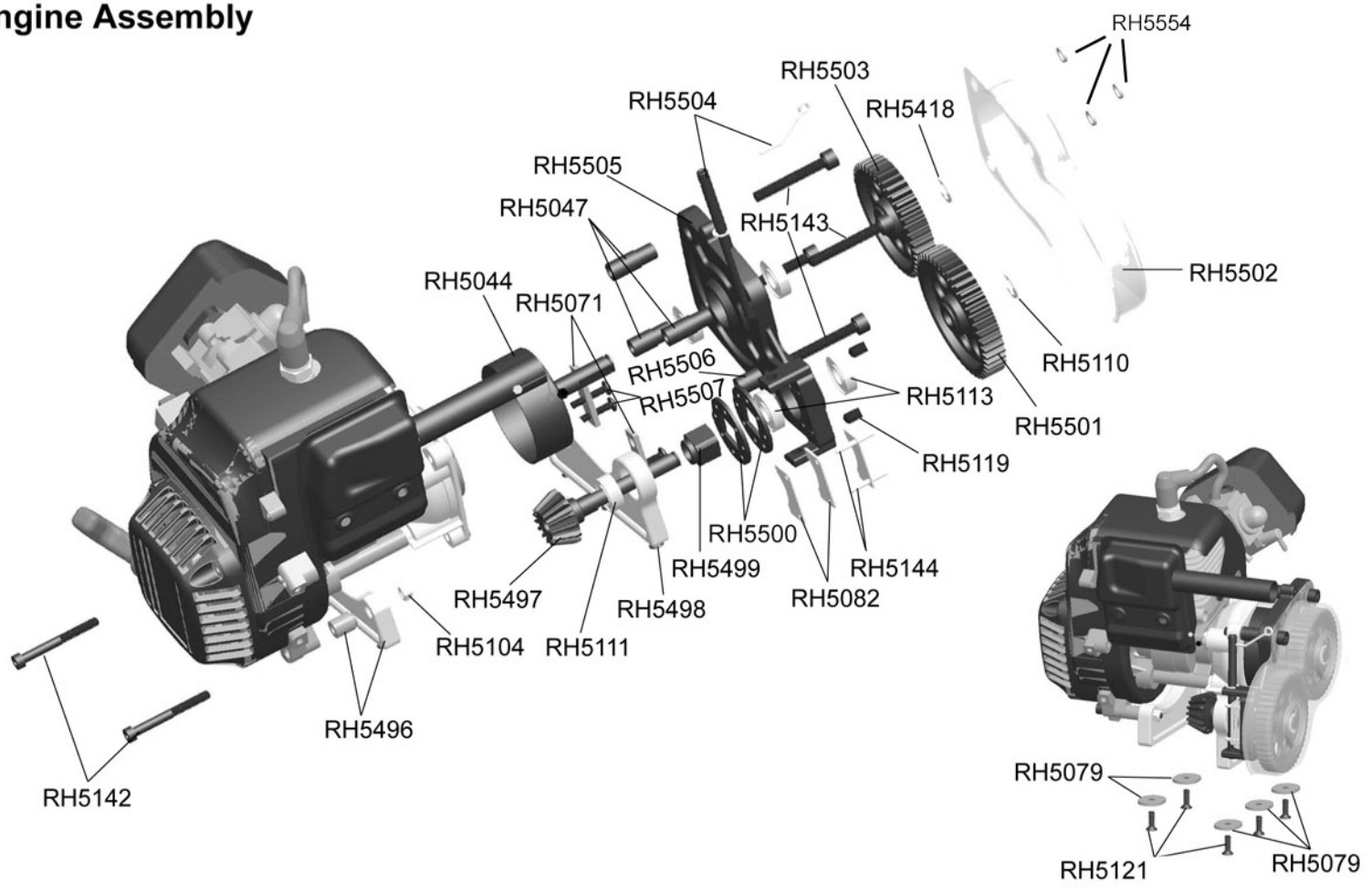


RH511 Center Transmission

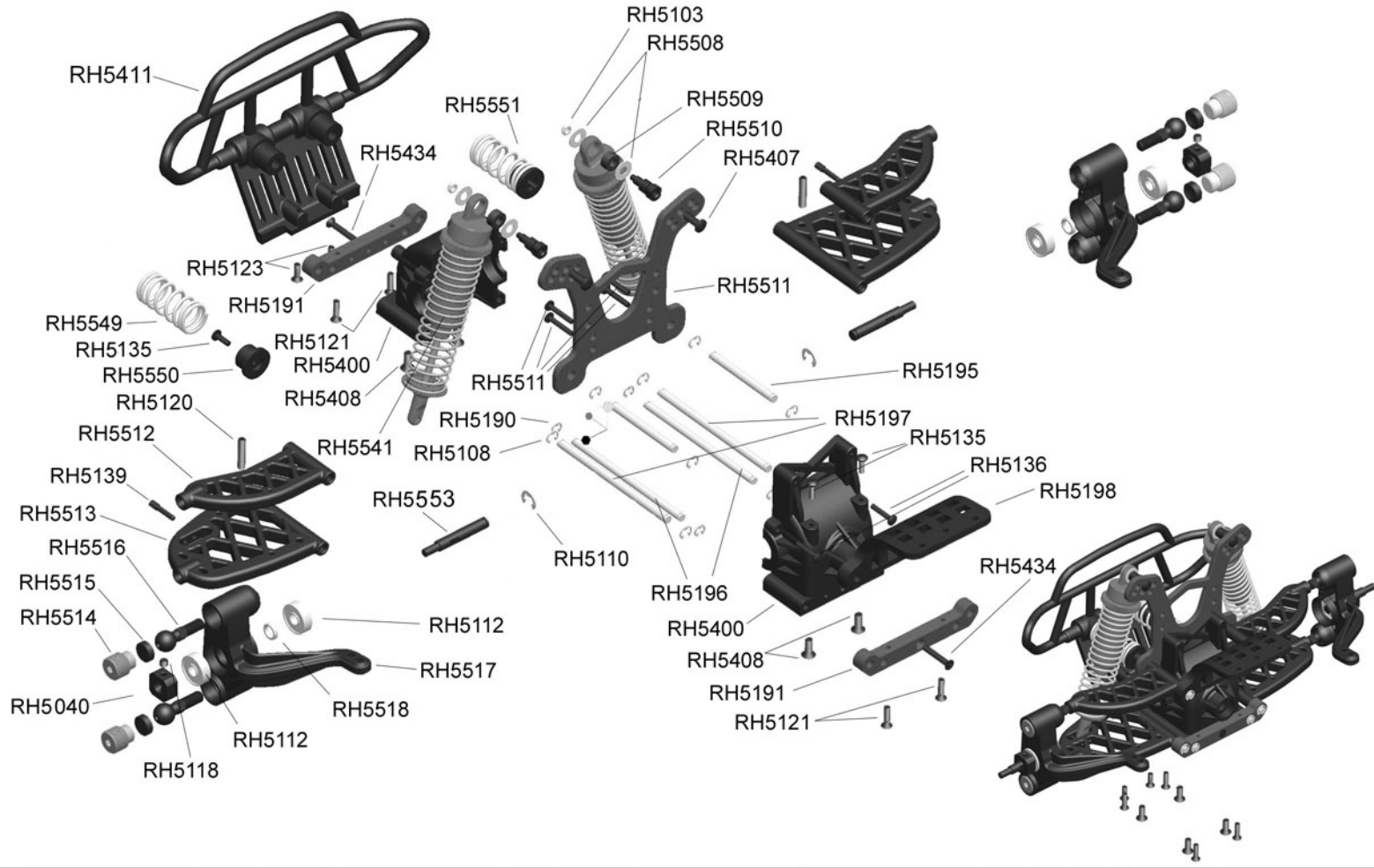
Central Transmission Assembly



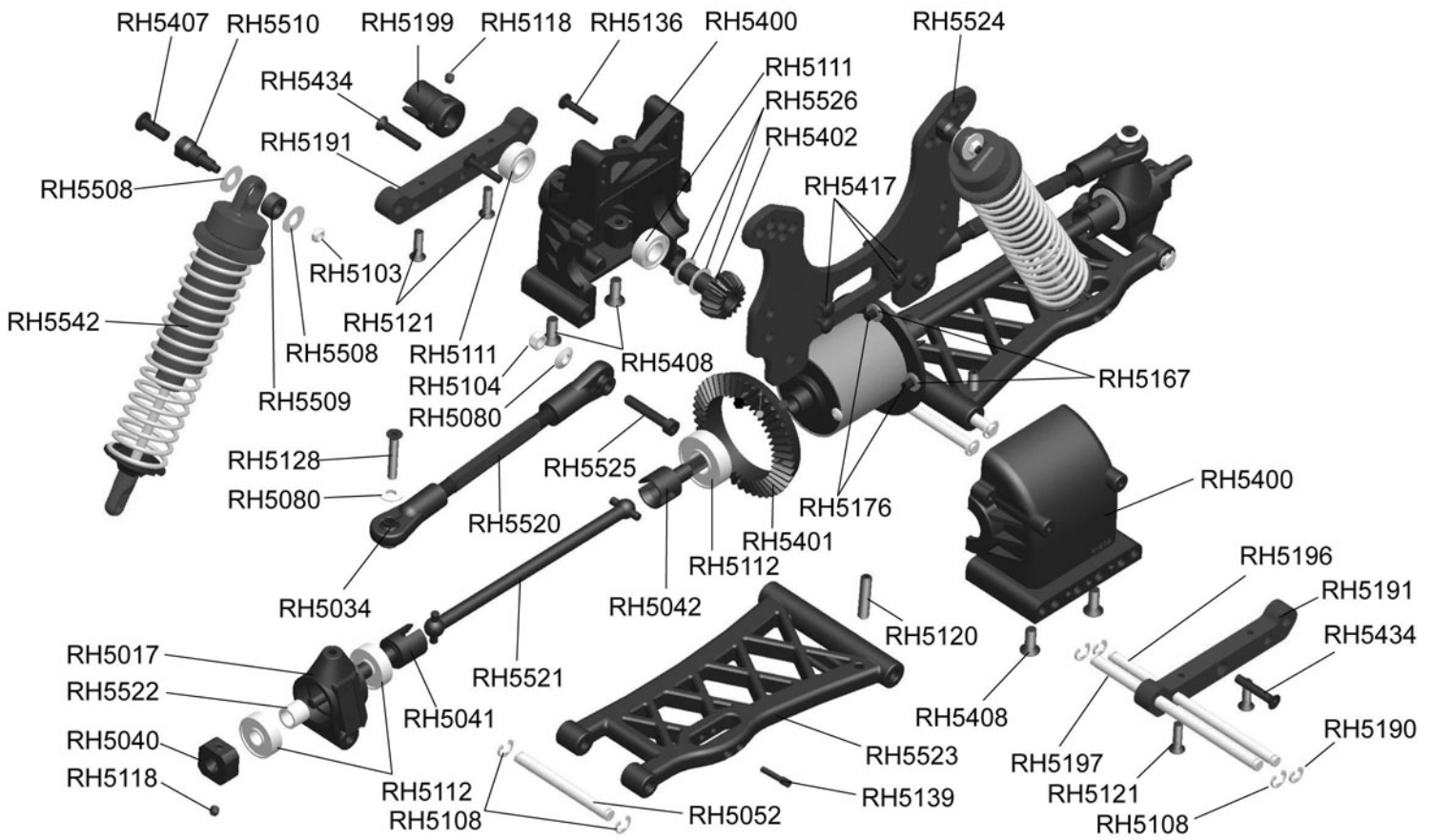
Engine Assembly



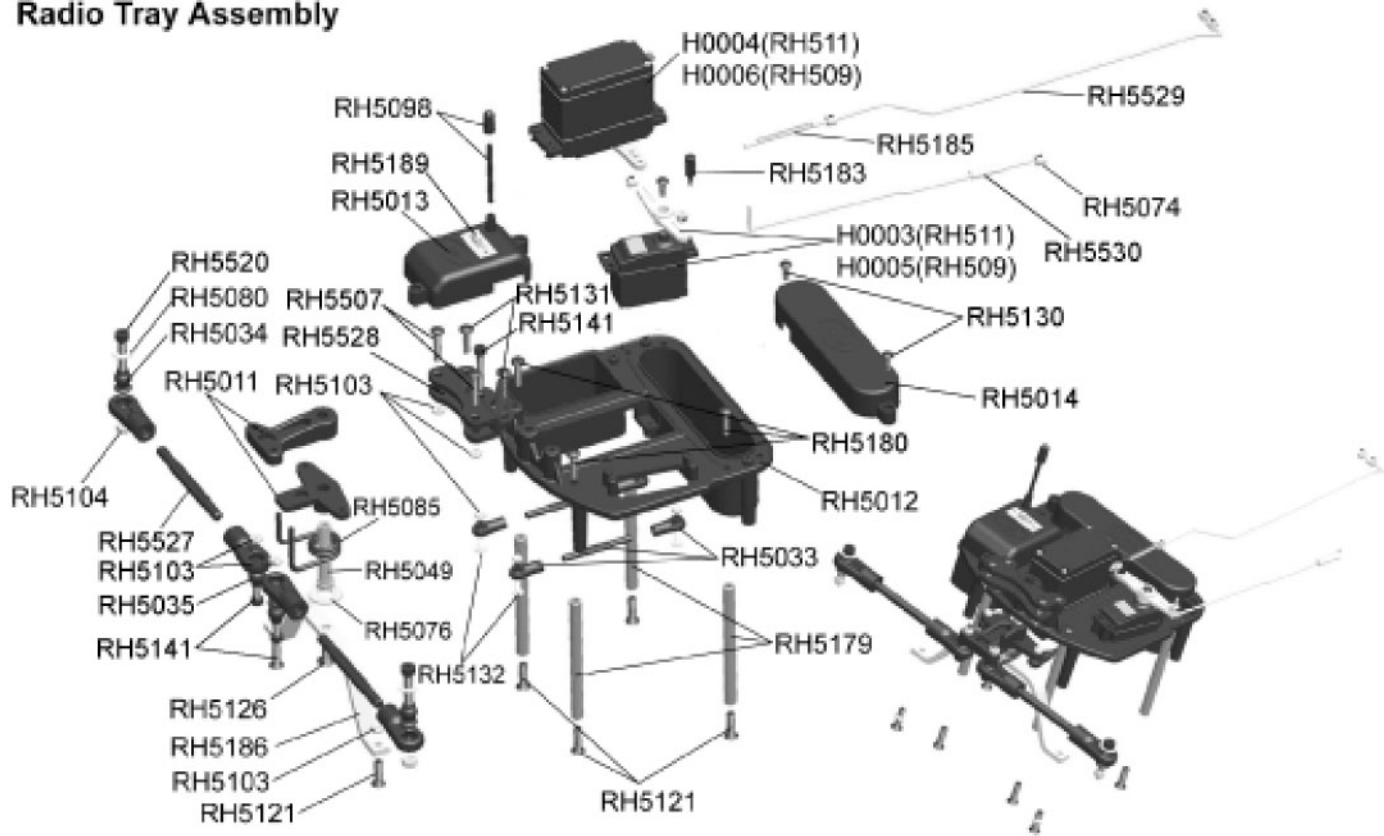
Front Susp. Assembly



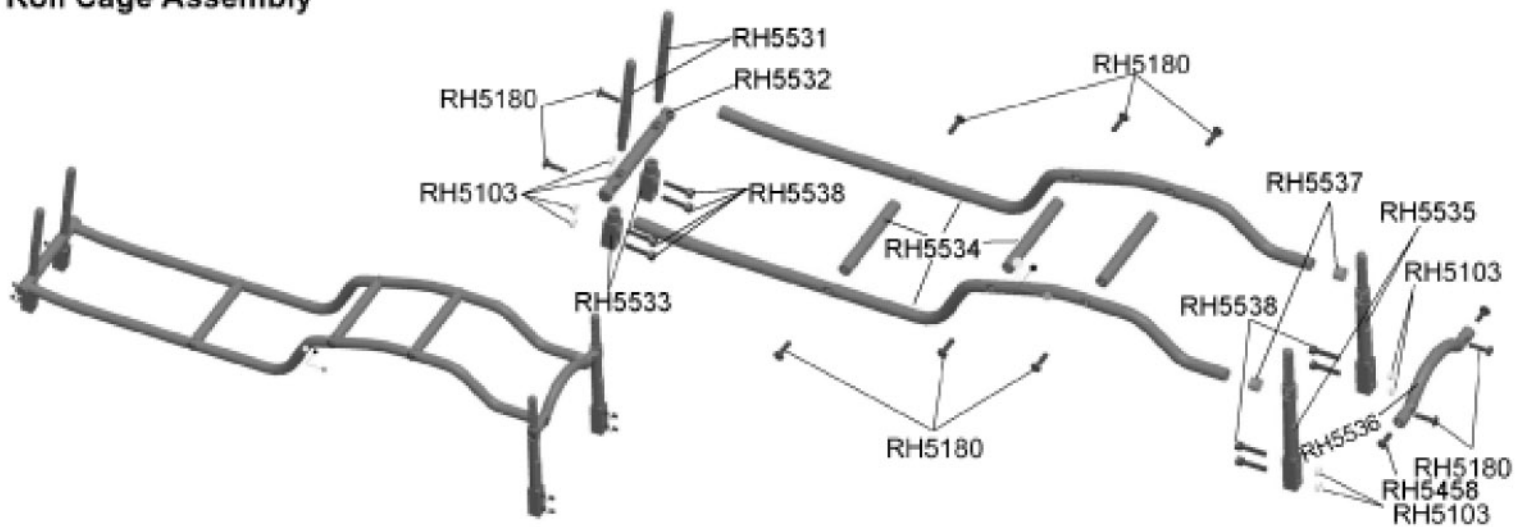
Rear Susp. Assembly



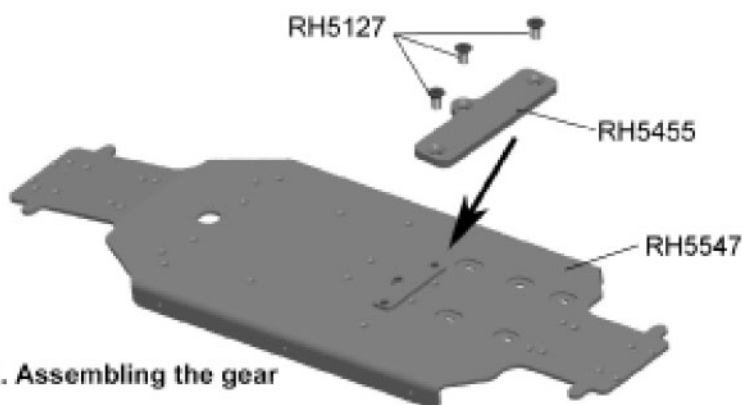
Radio Tray Assembly



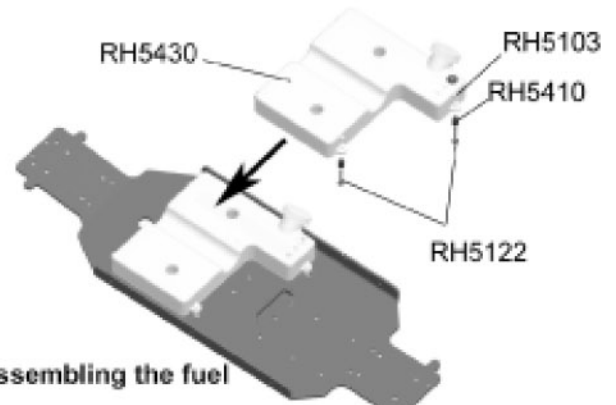
Roll Cage Assembly



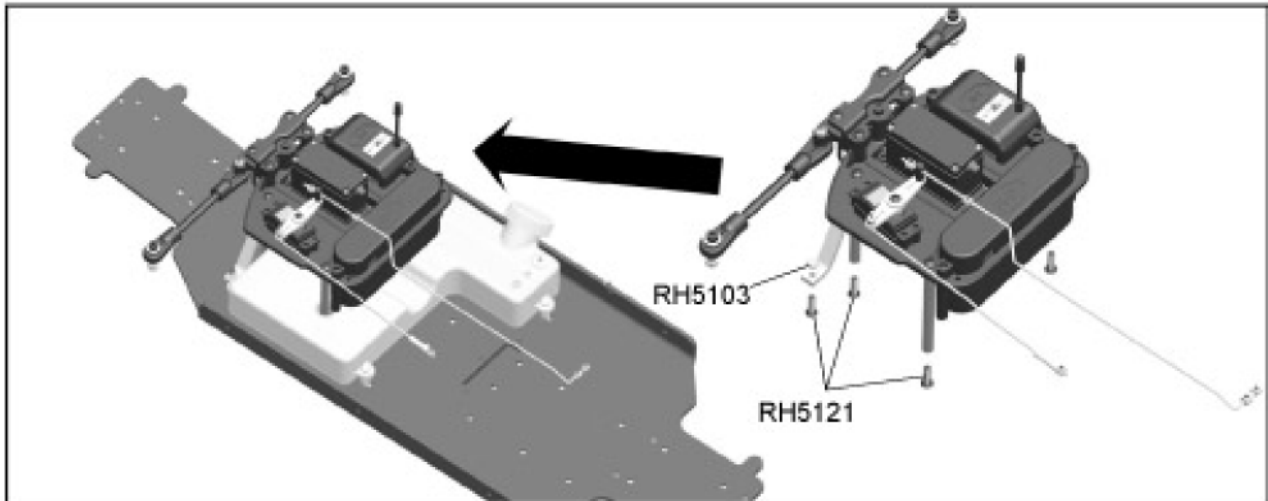
Assembling Steps



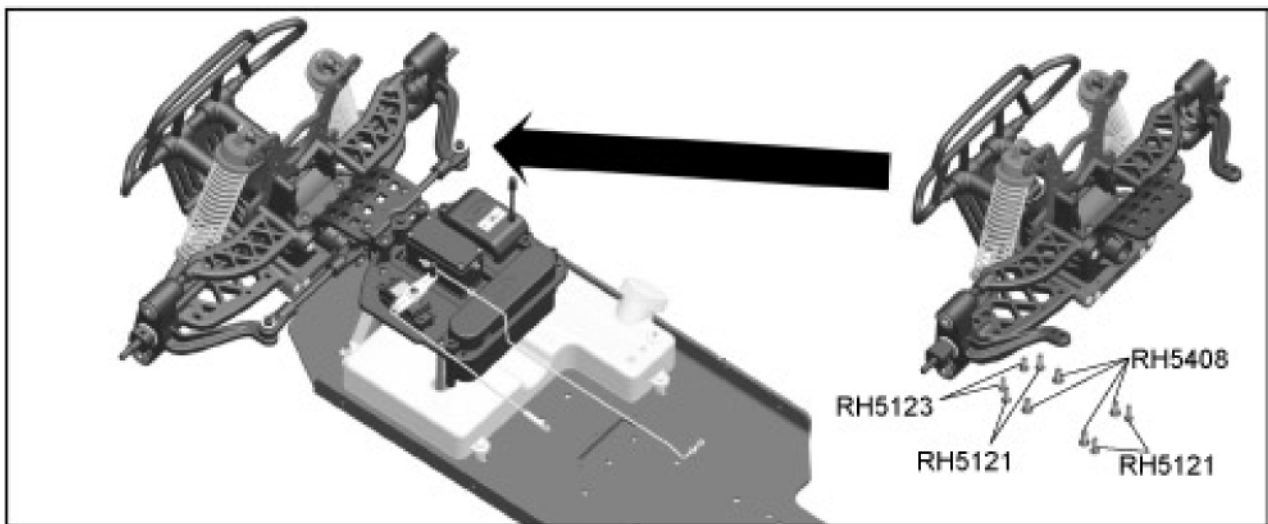
1. Assembling the gear cover to the chassis plate.



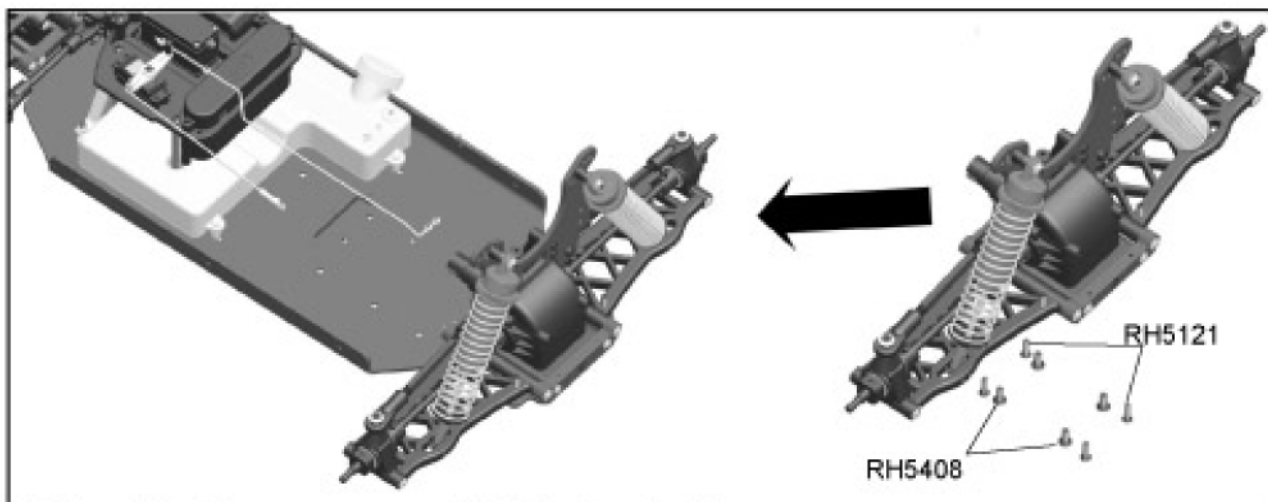
2. Assembling the fuel tank assembly to the chassis.



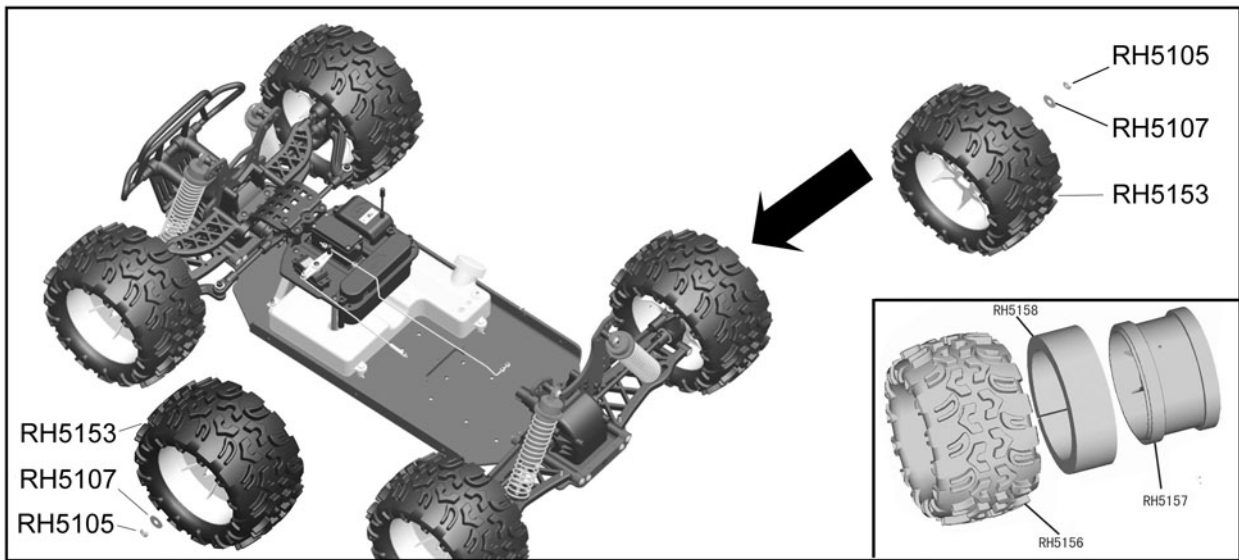
3. Assembling the radio assembly to the chassis with screws.



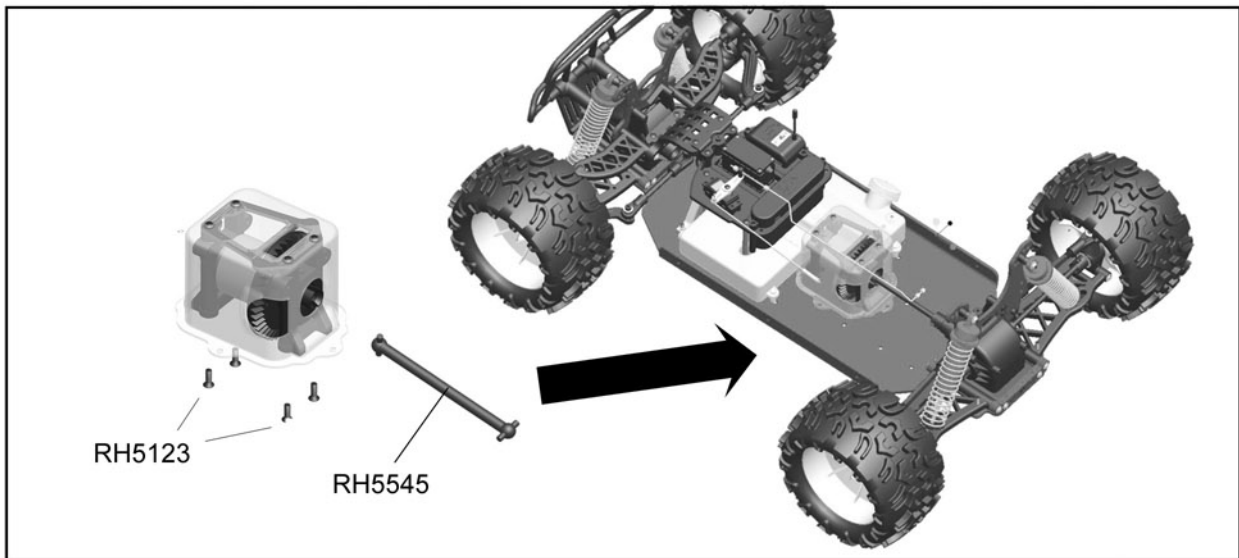
4. Assembling the front susp. assembly to the chassis with screws.



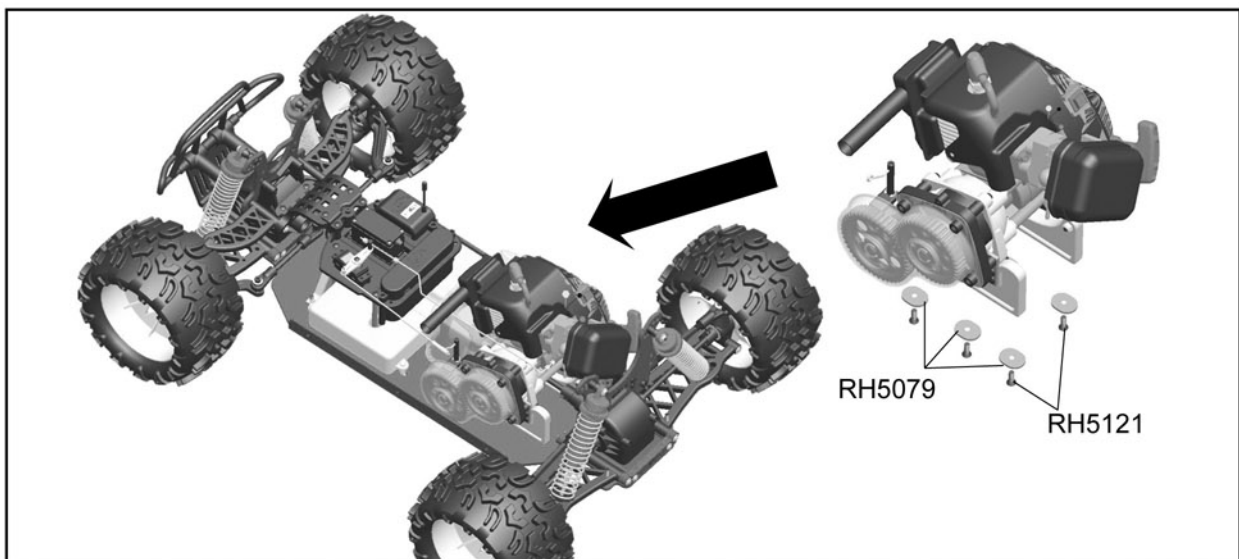
5. Assembling the rear susp. assembly to the chassis with screws.



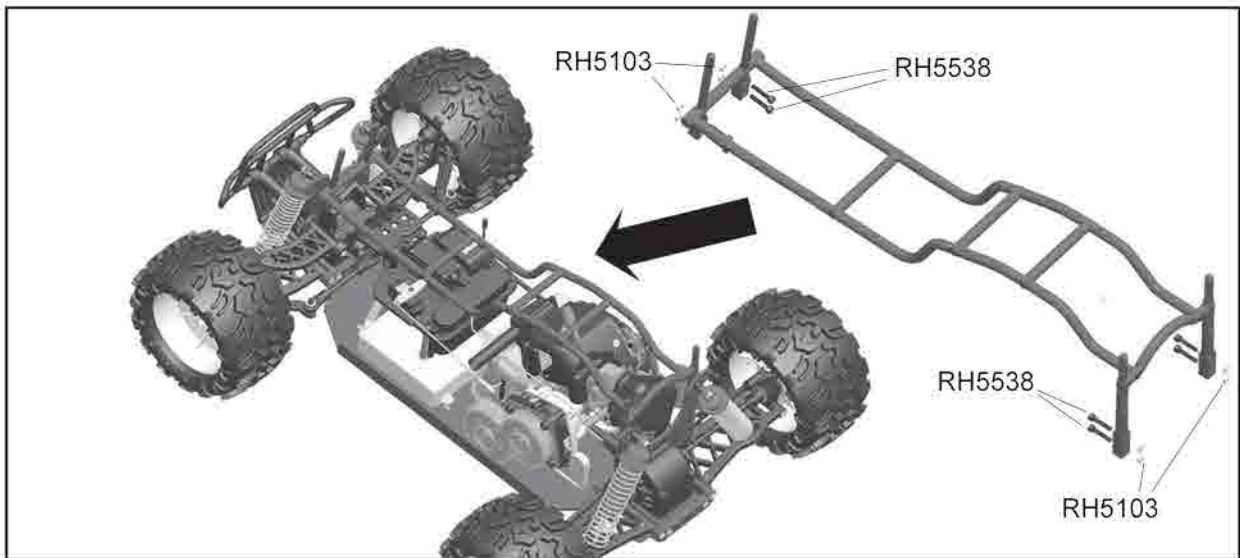
6. Assembling the tyre sets to the chassis with washers and nuts.



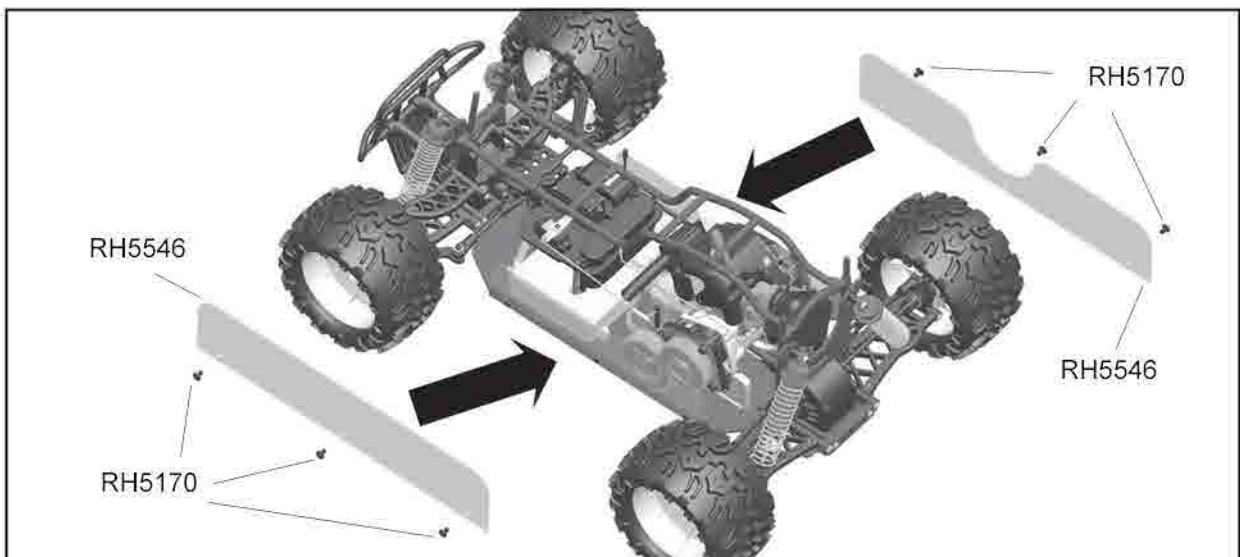
7. Assembling the 2WD center transmission assembly and drive shaft to the chassis.



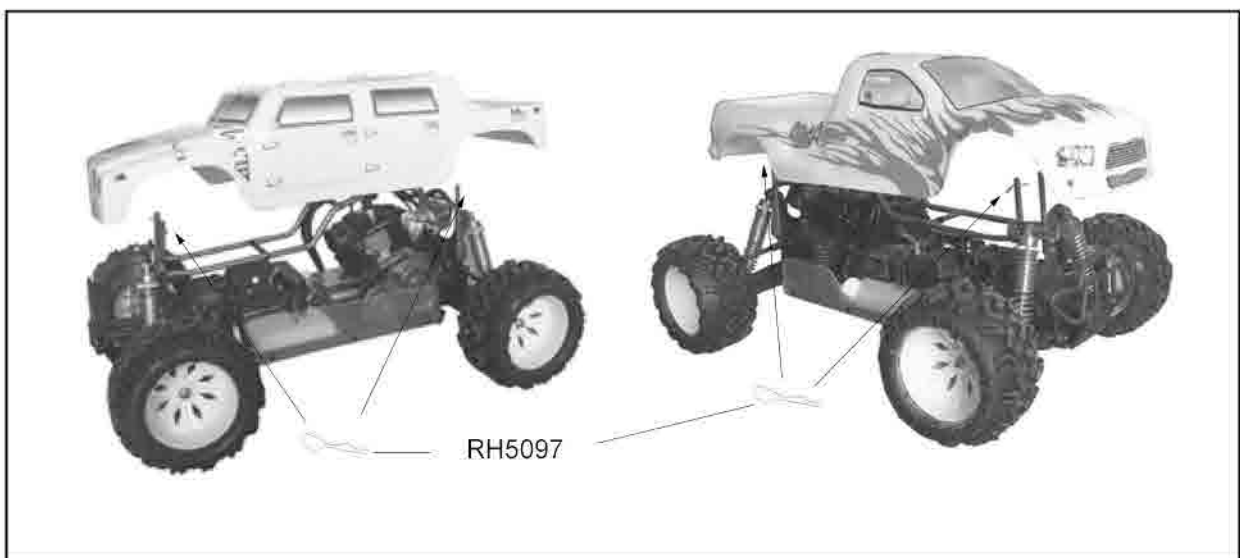
8. Assembling the engine assembly to the chassis adjusting and matching the pinion gear to the center transmission. Please make sure the gears transmission run smoothly before tightening the screws.



9. Assemble the alum. roll cage with screws to the chassis.



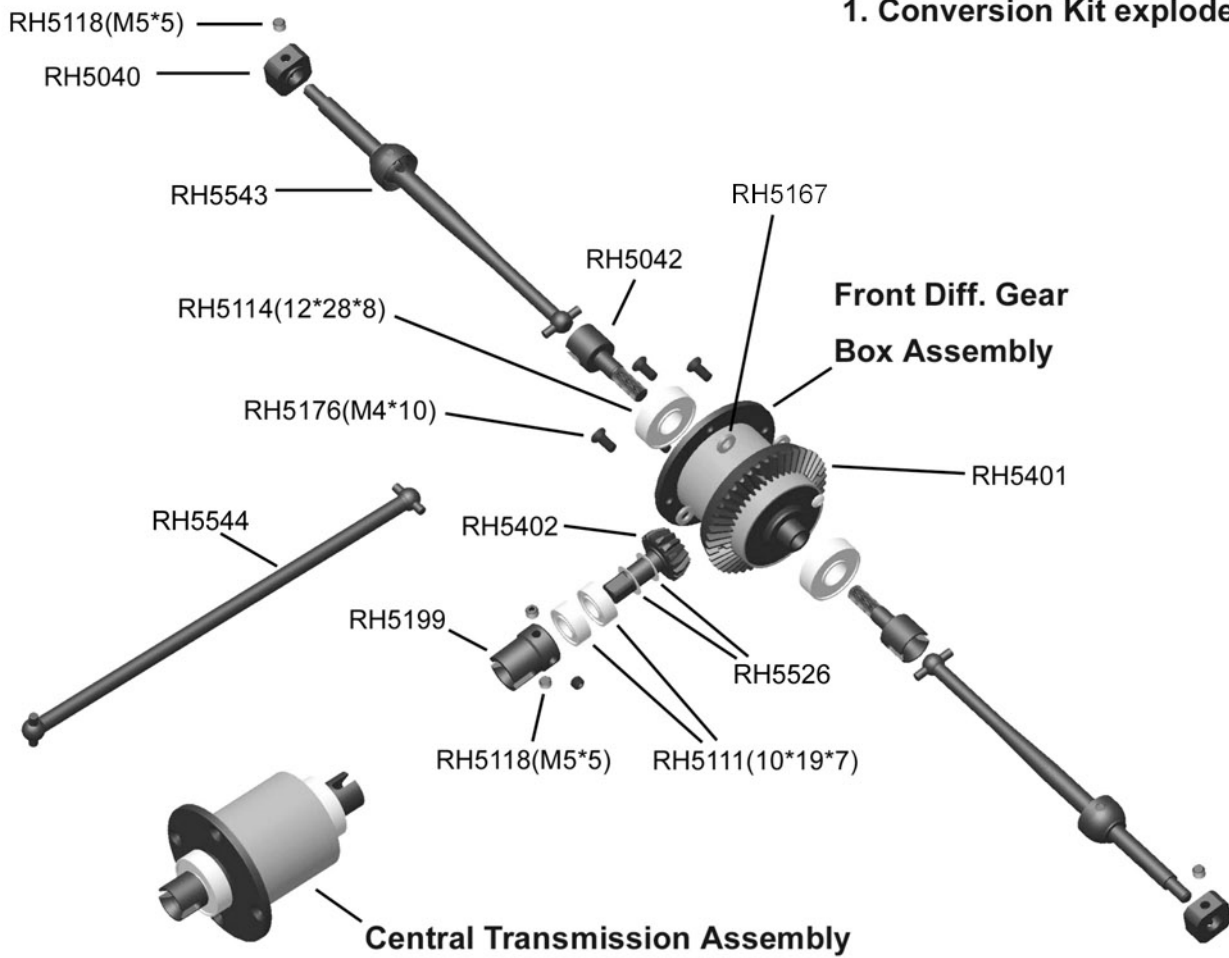
10. Assemble the side guards with screws to the chassis.



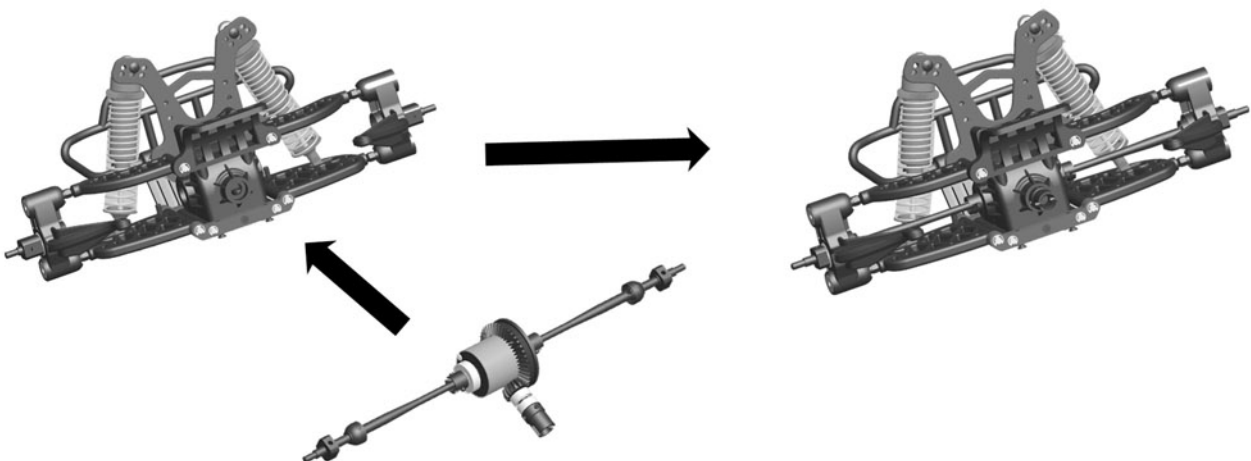
11. Assemble the body to the body mounts with clips, cutting the body to suit the chassis.

Converted Your Truck to 4WD

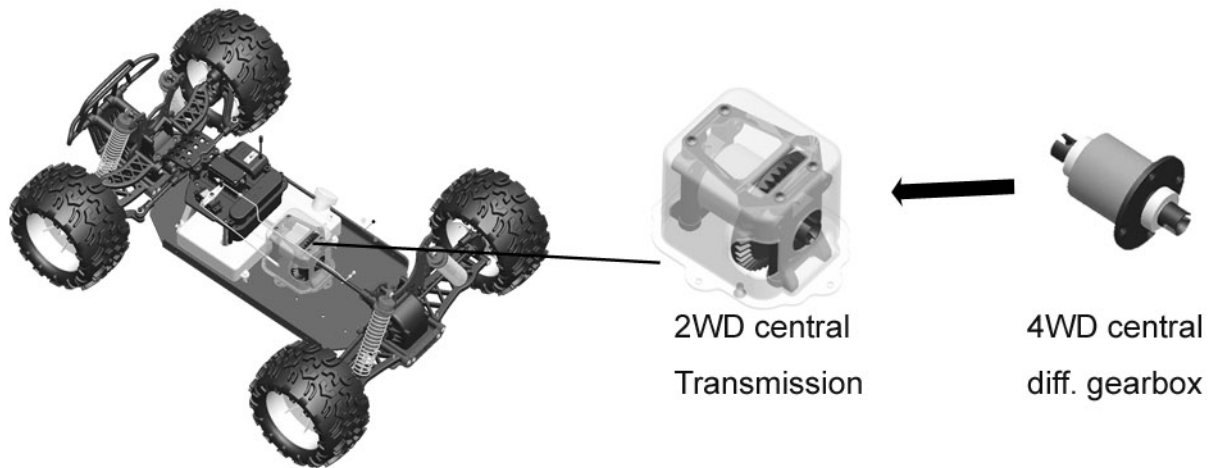
1. Conversion Kit exploded view



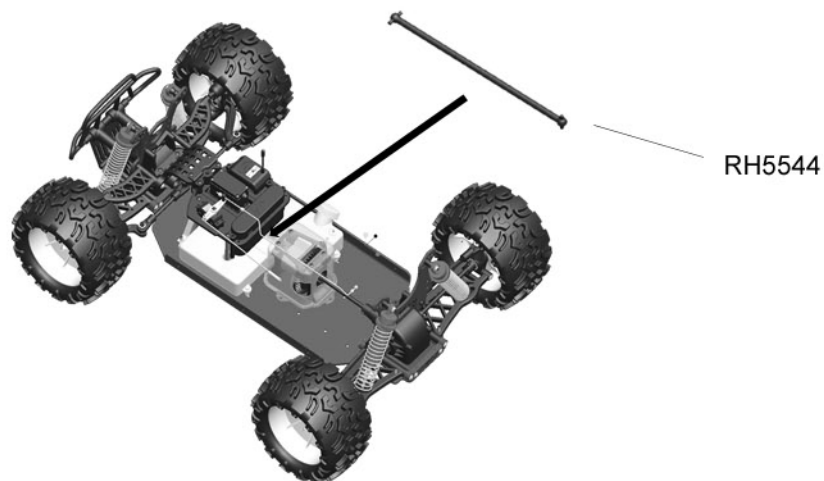
2. How to convert the 2WD truck to 4WD truck



Firstly install the front diff. gearbox inside the gearbox housing and install the front universal shafts.



Remove the 2WD central transmission assembly from the chassis and change the central diff. gear box set with the 4WD central diff box.











































Remember to attach the center front drive shaft when reinstall the 4WD central transmission back to the chassis. And please make sure the gear run smoothly before tighten central transmission to chassis by screw glue.











































Steering Servo

We strongly suggest consumer to upgrade the steering servo to our H0006 30kg/cm steering servo when he upgrades the 2WD system to 4WD system.














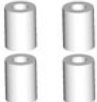


























Parts List

RH5011-Steering Unit 1set 	RH5012-Servo Bearer 1pc 	RH5013-Receiver Case 1set 	RH5014-Battery Case 1pc 	RH5017-Rear Axle Sleeve Unit 1set 
RH5019-Susp Arm Fixed Holder 8pcs 	RH5020-Diff Gearbox 1pc 	RH5033-Connect Rod for Servo 2sets 	RH5034-Ball End for Susp. Arm 4pcs 	RH5035 -Steering Ball End 4pcs 
RH5036-Ball End for Servo 4pcs 	RH5037-Driven Diff. Gear w/Shaft 1set 	RH5038-Drive Diff. Gear 1set 	RH5039-Outer Diff. Case Cover 1pc 	RH5040-Wheel Rim Coupler Short 2pcs 
RH5041-Rear Wheel Shaft 2pcs 	RH5042-Diff Speed Shaft of Rear Wheel 2pcs 	RH5044-Fly wheel 1set 	RH5049-Steering Fixed Rod 1pc 	RH5052-Rear Rim Fixing Shaft 2pcs 
RH5071-Fixing Plate 1set 	RH5074-Set collar2.1 4pcs 	RH5076-Steering Rod Washer 8.5*19.6*1.2 2pcs 	RH5077-Steering Rod Washer 6.2*18*1.5 4pcs 	RH5080-Washer 4pcs 
RH5082-Brake Disc Clamp Slice 3pcs 	RH5085-Spring of Servo Saver 1pcs 	RH5096-6V Battery Pack 1pcs(Optional) 	RH5098-Antenna Pipe 4sets 	RH5099-Oil pipe 1set 
RH5102-Nylon Lock Nut M3 6pcs 	RH5103-Nylon Lock Nut M4 6pcs 	RH5104-Nylon Lock Nut M5 6pcs 	RH5105-Nylon Lock Nut M6 6pcs 	RH5108-E-ring 5mm 6pcs 
RH5109-E-ring 6mm 6pcs 	RH5110-E-ring 7mm 6pcs 	RH5111-Ball Bearing 10*19*7 2pcs 	RH5112-Ball Bearing 8*22*7 2pcs 	RH5113-Ball Bearing 10*22*6 2pcs 












Parts List

<p>RH5114-Ball Bearing 12*28*8 2pcs</p> 	<p>RH5116-Inner Hex Grub Screw M3*3 6pcs</p> 	<p>RH5117-Inner Hex Grub Screw M4*4 6pcs</p> 	<p>RH5118-Grub Screw M5*5 6pcs</p> 	<p>RH5119-Grub Screw M4*8 6pcs</p> 
<p>RH5120-Grub Screw M5*25 2pcs</p> 	<p>RH5121-FH Screw M4*16 6pcs</p> 	<p>RH5122-FH Screw M4*25 6pcs</p> 	<p>RH5123-FH Screw 4*16 6pcs</p> 	<p>RH5126-FH Screw M5*10 6pcs</p> 
<p>RH5127-FH Screw M4*8 6Pcs</p> 	<p>RH5128-FH Screw M5x27 6pcs</p> 	<p>RH5130-RH Self Tapping Screw 3*12 6pcs</p> 	<p>RH5131-RH Screw 4*16 6pcs</p> 	<p>RH5132-RH Screw M3*15 6pcs</p> 
<p>RH5134-Umbrella Head Screw 3*6 6pcs</p> 	<p>RH5135-RH Self Tapping Screw 4*12 6pcs</p> 	<p>RH5136-RH Self Tapping Screw 4*20 6pcs</p> 	<p>RH5138-Flange Head Self tapping screw M2.6*15 6pcs</p> 	<p>RH5139-Shock Absorber Fixing Screw 6pcs</p> 
<p>RH5140-RH Screw M4*20 6pcs</p> 	<p>RH5142-RH Screw M4*45 6pcs</p> 	<p>RH5143-RH Screw M6*40 6pcs</p> 	<p>RH5144-Fixed Pin of Brake Slice Unit 2pcs</p> 	<p>RH5153-Tire Units 2sets</p> 
<p>RH5156-Tire and Sponge 2sets</p> 	<p>RH5157-Wheel Rim 2pcs</p> 	<p>RH5158-Truck Tire Sponge 2pcs</p> 	<p>RH5160-Spark Plug 1pcs</p> 	<p>RH5161-Clutch Assy 1set</p> 
<p>RH5170-RH Self Tapping Screw M4*6 6pcs</p> 	<p>RH5173-Central Trans- mission Upper Deck 1pcs</p> 	<p>RH5174-Central Gear Bracket 2pcs</p> 	<p>RH5175-Gear 56T 1pcs</p> 	<p>RH5176-FH Screw M4*106pcs</p> 
<p>RH5179-Radio Tray Post 4pcs</p> 	<p>RH5180-RH Screw M4*16 6pcs</p> 	<p>RH5183-Brake Post 2pcs</p> 	<p>RH5184-Brake Tube 2pcs</p> 	<p>RH5186-Steering Fixed Rod Holder 1pcs</p> 















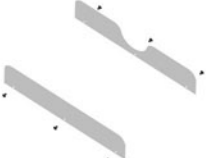











Parts List

<p>RH5189-Receiver Switch</p> 	<p>RH5190-E-ring M4 6pcs</p> 	<p>RH5191-Lower Susp. Arm Bracket 2pcs</p> 	<p>RH5195-Pin for Front Upper Sus. Arm 2pcs</p> 	<p>RH5196-Pin for Lower Susp. Arm Bracket 2pcs</p> 
<p>RH5197-Pin for Front Lower Sus. Arm 2pcs2P</p> 	<p>RH5198-Front Bulkhead 1pcs</p> 	<p>RH5199-Front Diff Drive Cup 1pcs</p> 	<p>RH5400-Gear Box Housing 1set</p> 	<p>RH5401-Diff. Bevel Gear B. 1pcs</p> 
<p>RH5402-Diff. Bevel Gear S. 1pcs</p> 	<p>RH5407-BH Screw M5*15 6pcs</p> 	<p>RH5408-FH Screw 5*16 6pcs</p> 	<p>RH5410-Fuel Tank Mount 4pcs</p> 	<p>RH5411-Front Bumper 1pcs</p> 
<p>RH5417-RH Screw 4*23 6pcs</p> 	<p>RH5418-Clip 4pcs</p> 	<p>RH5430-Fuel Tank 1set</p> 	<p>RH5432-Wrench 1pc</p> 	<p>RH5434-FH Screw 4*25 6pcs</p> 
<p>RH5436-Upper Cover of Shock Absorber 4pcs</p> 	<p>RH5439-Adjusting Ring for Shock Absorber 4pcs</p> 	<p>RH5444-Shocks Absorber Gasket 4pcs</p> 	<p>RH5445-Spacer for Shock Absorbers 4pcs</p> 	<p>RH5446-Shock Absorber Clip 4pcs</p> 
<p>RH5447-Fixing of Shock Spring</p> 	<p>RH5448-Large Size Shock Piston 4pcs</p> 	<p>RH5450-Shock Piston Sealing Cap 4pcs</p> 	<p>RH5451-Shock O-ring 4pcs</p> 	<p>RH5452-Shock Absorbers O-ring 8pcs</p> 
<p>RH5455-Gear Cover 1pc</p> 	<p>RH5458-RH Screw M4*12 6pcs</p> 	<p>H0005-Throttle Servo 15kg/cm 1pcs</p> 	<p>H0006-Steering Servo 30kg/cm 1pc</p> 	<p>R0004-Printed Body 1pc</p> 
<p>R0005-Printed Body 1pc</p> 	<p>R0009-Fail safe(Optional)</p> 	<p>P0002-CY27cc Engine 1pc(Optional)</p> 	<p>P0003-CY29cc Engine 1pc(Optional)</p> 	<p>P0004-CN28.5cc Engine 1pc</p> 

















Parts List

<p>RH5490-Front shock body 2pcs</p> 	<p>RH5491-Front shock axle 2pcs</p> 	<p>RH5492-Front shock spring 2pcs</p> 	<p>RH5493-Rear shock body 2pcs</p> 	<p>RH5494-Rear shock axle 2pcs</p> 
<p>RH5495-Rear shock spring 2pcs</p> 	<p>RH5496-Engine mount (right) 1pc</p> 	<p>RH5497-Gear 14T 1pc</p> 	<p>RH5498-Engine mount (left) 1pc</p> 	<p>RH5499-Fixed brake Block 2pcs</p> 
<p>RH5501-Gear 46T 1pc</p> 	<p>RH5502-Gear cover 1pc</p> 	<p>RH5503-Gear 42T 1pc</p> 	<p>RH5504-Brake post 1set</p> 	<p>RH5505-Gear mount 1pc</p> 
<p>RH5506-Spacer Sleeve 2pcs</p> 	<p>RH5507-RH Screw M4*20 6pcs</p> 	<p>RH5508-Washer 14.5* 6.5*0.8 6pcs</p> 	<p>RH5509-Spacer 4pcs</p> 	<p>RH5510-Shock upper holder 4pcs</p> 
<p>RH5511-Front shock tower 1pc</p> 	<p>RH5512-Front upper sus. arm 2pc</p> 	<p>RH5513-Front lower sus. arm 2pc</p> 	<p>RH5514-Pivot ball nut 4pcs</p> 	<p>RH5515-Pivot ball spacer 4pcs</p> 
<p>RH5516-Pivot balls 4pcs</p> 	<p>RH5517-Steering arm 2pc</p> 	<p>RH5518-Washer 12* 8.5*2.0 4pcs</p> 	<p>RH5520-Rear Susp. arm 2set</p> 	<p>RH5521-Rear drive shaft 2pcs</p> 
<p>RH5522-Rim stop ring 4pcs</p> 	<p>RH5523-Rear susp. arm 2pcs</p> 	<p>RH5524-Rear shock tower 1pc</p> 	<p>RH5525-M5*28 Round head screw 6pcs</p> 	<p>RH5526-Washer 15* 10.1*0.2 6pcs</p> 
<p>RH5527-Steering rod 2set</p> 	<p>RH5528-Upper plate linkage 1pcs</p> 	<p>RH5529-Throttle linkage 1set</p> 	<p>RH5530-Brake linkage 1set</p> 	<p>RH5531-Front body mount 2pcs</p> 

Parts List

<p>RH5532-Roll cage front linkage 1pc</p> 	<p>RH5533-Front body mount bracket 2pcs</p> 	<p>RH5534-Roll cage main 1set</p> 	<p>RH5535-Rear body mount 2pcs</p> 	<p>RH5536-Roll cage rear linkage 1pc</p> 
<p>RH5537-Foam spacers 6pcs</p> 	<p>RH5538 M4*20 screw 6pcs</p> 	<p>RH5539-Central transmission cover 1pc</p> 	<p>RH5540-Gear 42T 1pc</p> 	<p>RH5541-Front shock 2set</p> 
<p>RH5541-Rear shock 2set</p> 	<p>RH5543-Front universal joint shaft 2pcs</p> 	<p>RH5544-Central front drive shaft 1pc</p> 	<p>RH5545-Center rear drive shaft 1pc</p> 	<p>RH5546-Side Plate 1set</p> 
<p>RH5547-Chassis plate</p> 	<p>RH5549-Bumper spring 2pcs</p> 	<p>RH5550-Bumper spring holder r. 2pcs</p> 	<p>RH5551-Bumper spring set</p> 	<p>RH5552-Shock cap 4pcs</p> 
<p>RH5500-Brake disc 2pcs</p> 	<p>RH5172-Bracket for center trans. drive cup 1pc</p> 	<p>RH5487-Round head screw M4*10 6pcs</p> 	<p>RH5553-Front Wheel shaft 2pcs</p> 	<p>RH5167-Spacer for Shock Absorbers 4pcs</p> 
<p>RH5554-Gear case washer 3pcs</p> 				

Upgraded Parts List

<p>RH5206-Steering units 1set</p> 	<p>RH5214-Diff gear box 1pc</p> 	<p>RH5217-Rear axle sleeve unit 1set</p> 	<p>RH5220-Alum muffler 1pc</p> 	<p>RH5222-Air cleaner 1set</p> 
<p>RH5224-Chromed buggy rims 2pcs</p> 	<p>RH5225-Chromed truck rim 2pcs</p> 	<p>RH5231-Center gear box mount 2pcs</p> 	<p>RH5233-Lower holder for shock absorber 4pcs</p> 	<p>RH5248-Alum steering arm 2pcs</p> 
<p>RH5249-Front upper susp. arm(alum.) 2pcs</p> 	<p>RH5250-Front lower susp. arm(alum.) 2pcs</p> 	<p>RH5251-Rear lower susp. arm(alum.) 2pcs</p> 	<p>RH5252-Alum front shock tower 1pc</p> 	<p>RH5253-Alum rear shock tower 1pc</p> 
<p>RH5254-Alum gear mount 1pc</p> 				

Exploded View

