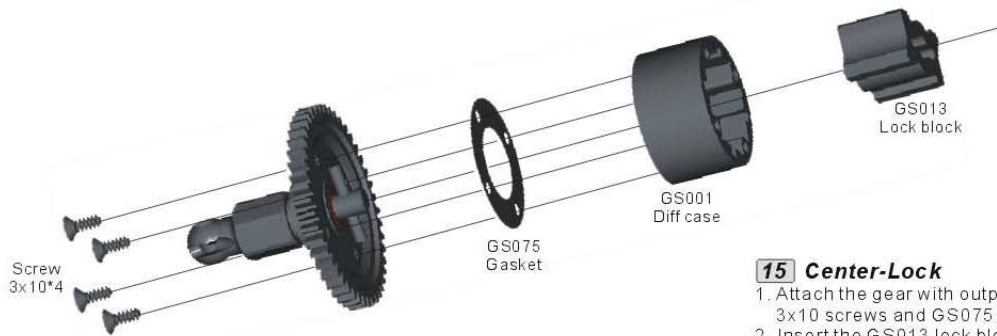
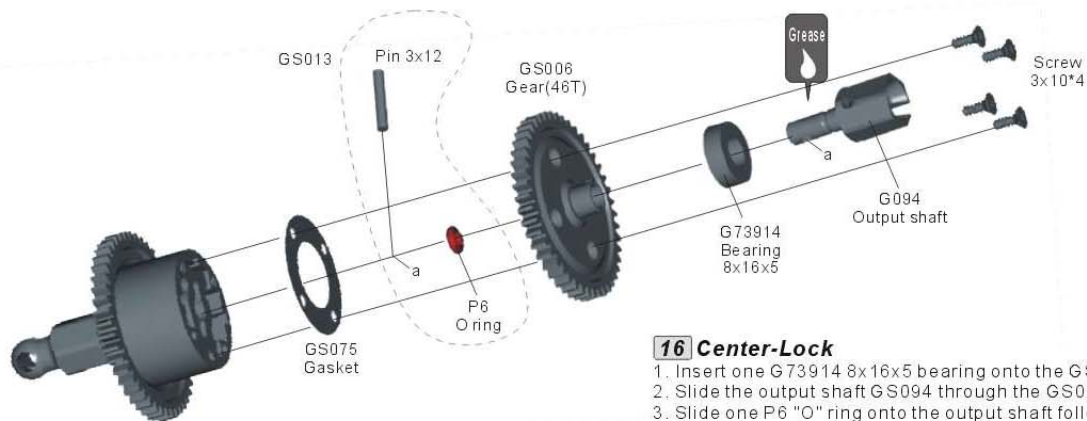


# Transmission Assembly



## 15 Center-Lock

1. Attach the gear with output shaft to the GS001 differential case using four 3x10 screws and GS075 gasket.
2. Insert the GS013 lock block into the case lining up the pin on the slot.

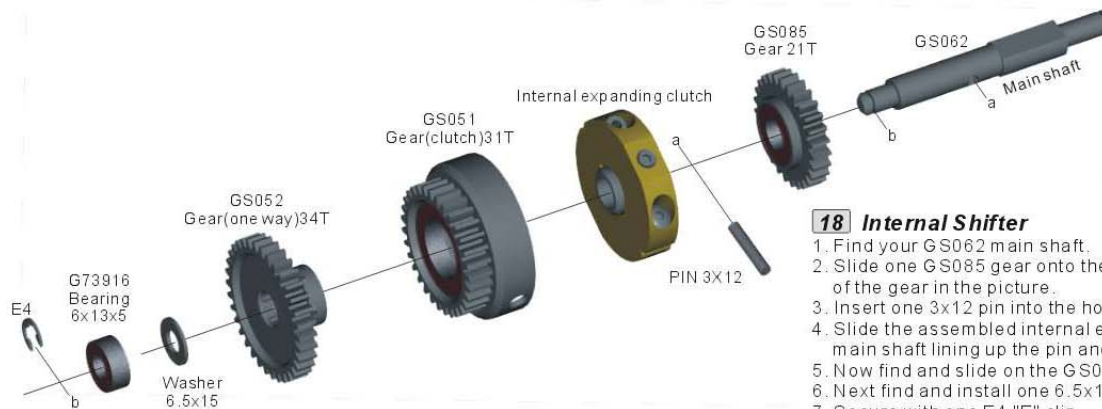
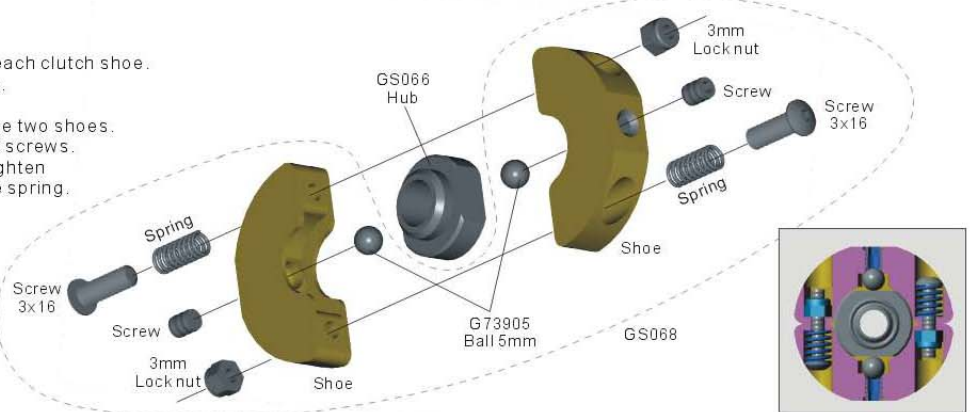


## 16 Center-Lock

1. Insert one G73914 8x16x5 bearing onto the GS006 gear.
2. Slide the output shaft GS094 through the GS006 46T gear.
3. Slide one P6 "O" ring onto the output shaft followed by a 3x12 pin.
4. Finish the center lock assembly with four 3x10 screws. Make sure you line the pin up with the lock block.

## 17 Internal Expanding Clutch

1. Assemble the clutch as shown in the diagram.
2. Start by threading one setscrew into the center of each clutch shoe.
3. Next insert one 3mm lock nut into each clutch shoe.
4. Place one 5mm ball into the center of each shoe.
5. Next place the GS066 shift hub into the center of the two shoes.
6. Slide one spring onto each of the 3x16 button head screws.
7. Thread the 3x16 screws into the 3mm locknuts. Tighten then down all the way being careful not to crush the spring. Then loosen each screw  $7\frac{1}{2}$  turns.
8. Next adjust the setscrews so the ball just hit the internal hub. Watch for the shoe to lift slightly then back off slightly. Repeat on the other shoe.
9. Your clutch is now complete.



## 18 Internal Shifter

1. Find your GS062 main shaft.
2. Slide one GS085 gear onto the main shaft. \* Notice the direction of the gear in the picture.
3. Insert one 3x12 pin into the hole mark "a"
4. Slide the assembled internal expanding clutch assembly onto the main shaft lining up the pin and the slot.
5. Now find and slide on the GS051 gear, followed by the GS052 gear.
6. Next find and install one 6.5x15 washer and one 6x13x5 bearing.
7. Secure with one E4 "E" clip.

## Tools

The following tools are necessary to make assembly & maintenance of your new R/C car. both easier & more enjoyable. For your safty, exercise care when using any hand tools, sharp instruments, or power tools during construction. Always use safty glasses. If you have any questions, please consult your local hobby shop or experienced friend.



**Hexagon wrench** (kit tools supplied)  
1.5mm, 2mm, 2.5mm, 3mm.



**Cross wrench** (hexagon socket tools)  
5.5mm, 7mm, 8mm, 10mm, 12mm, 17mm.



**Hobby scissors**  
For cutting and trimming the car's body, decals.



**Grease**  
Lubrication of gears; reduces friction.



**Glue**  
Use to glue tires onto the wheels; temporary repairs.  
❗ Always use hand and eye protection with cyanoacrylic glue.



**Threadlock**  
For locking screws and nuts to prevent loosening.



**Hobby knife**  
Use for trimming and cutting.  
❗ This knife cuts plastic and fingers with equal ease, so be careful



**Flat blade screwdriver**



**Phillips screwdriver**



**Needle nose pliers**  
Clamping parts during assembling and disassembling



**Hand drill**  
2mm, 3mm, 6mm.

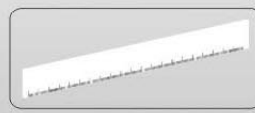


Soldering iron (40~50 watts) and a small amount of solder.

❗ Be careful iron is very hot



**Liquid dish soap**



**Ruler**

## SAFETY PRECAUTIONS

- This radio controlled model is not a toy. For yours and others safty, the following guidelines and cautions should be followed carefully.
  - WARNING:** Do not operate R/C car in the following locations:
    1. Street
    2. Crowded area; keep away from children.
    3. Indoors or an unventilated room.
  - SUGGESTION:** Outside in a large open area without obstructions; R/C race track.
- This kit uses many kinds of small parts, sharp tools, large polybag, and chemical materials. Please keep these and other potentially harmful items away from children.
- Use only FCC approved ground frequency crystals in the R/C unit.
- Do not operate a Gas powered car in a residential area. The noise could disturb the peace.
- If you are operating several cars together, check the frequencies to make sure none are the same. Operating the cars on the same frequency can cause radio interference and loss of control of the car.
- If the car is not operating properly, stop immediately and check the condition of the car.
- To avoid damage to the R/C equipment, or losing control of the car, avoid running in or near water.
- To always maintain control of your car and to avoid a jump start, Please do the following:
  1. ON - First turn on the transmitter, then the car's receiver.
  2. OFF - Turn off the car's receiver, then the transmitter.
- Do not touch the R/C car after operation, as the engine, muffler, electric motor, battery, and speed controller will be very hot! Allow to cool before handling. While charging your car's battery, it could become hot. Carefully read your battery charger's instructions for proper use.
- When the R/C car is in operation, do not touch any of its moving parts such as drive shafts, wheel ,etc., as the rotating parts can cause serious injury.
- After operation of the R/C car, it is necessary to remove the battery for protection of the R/C equipment.
- Paint and grease are extremely flammable, keep away from sources of ignition. Do not puncture or throw away spray paint cans into garbage.



# Shock Assembly

**01 Shock Rod x10**  
 Install one piston onto each shock shaft as shown in the diagram.  
 1. Put one 3mm shim onto the shaft. (The side with the shorter threads) Followed by the piston then the last 3mm shim.  
 2. Secure the piston with one 3mm lock nut.

*"Racer Tip"* Thread the nut on with the nylon side first. This will help it stay in place.

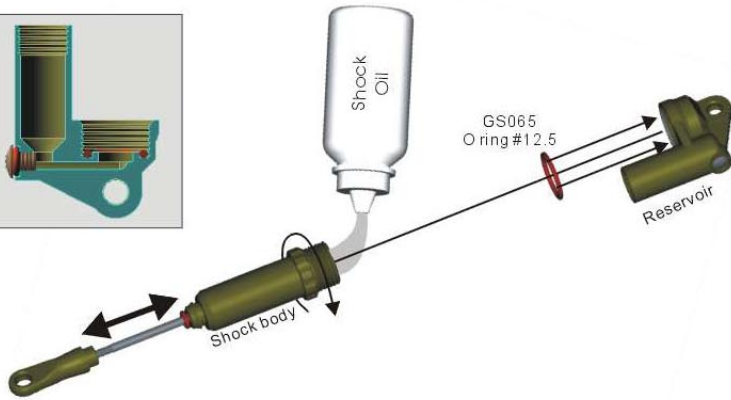
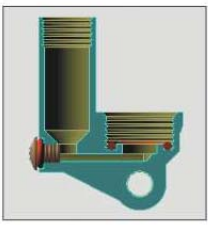
**02 Shock Body x10**  
 1. Insert three seals and one plastic clip into each shock body as shown in the diagram.  
 2. Make sure the plastic clip is fully seated in the shock body, refer to the diagram.

**03 Shock Body x10**  
 1. Insert the shock shaft through the shock body.  
 2. Thread the eyelet onto the shock shaft. Notice there are two sizes of eyelets.

*"Racer Tip"* Make sure you screw the eyelets on equally. Compare the long shafts with each other and adjust eyelet if needed to make them all the same length. Repeat for the short shafts.

**04 Reservoir x10**  
 1. First close off the bleeder valve with one P4 "O" ring and 5x6 button head screw.  
 2. Repeat for each reservoir.

# Shock Assembly

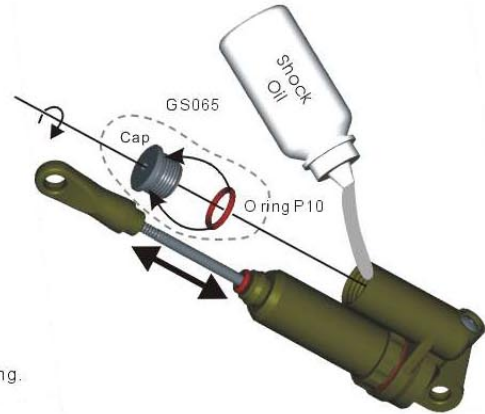


## 05 Shock Body x10

1. Insert one #12.5 "O" ring into each reservoir. Make sure the "O" ring is completely seated as shown in the diagram.
2. Fill the shock body with shock oil. Slowly move the shock shaft up and down until you get all the air bubbles out of the oil. Refill the shock to the top with oil if needed.
3. Screw the reservoir onto the shock body and tighten down.

## 06 Shock Body x10

1. Now you need to fill the reservoir with oil. Fill the reservoir up to the bottom of the threads. Now slowly move the shaft up and down to get any extra air bubbles out.
2. Refill to the bottom of the threads if needed and insert the cap with the "O" ring. Tighten down then loosen 1 full turn. Slowly push the shock shaft all the way in and while holding the shaft in tighten down the cap.
3. Check your work, the shaft should go all the way into the shock body. If it doesn't you may need to bleed the shock slightly more. Shock action should be smooth without binding.
4. Repeat for each shock.

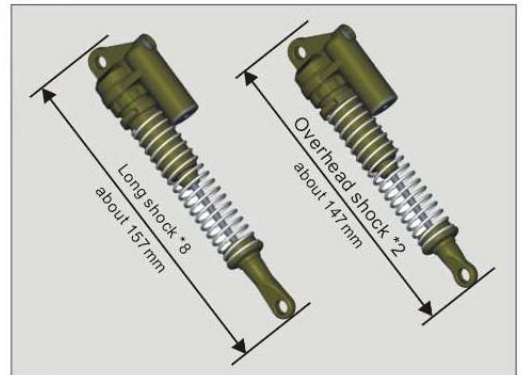
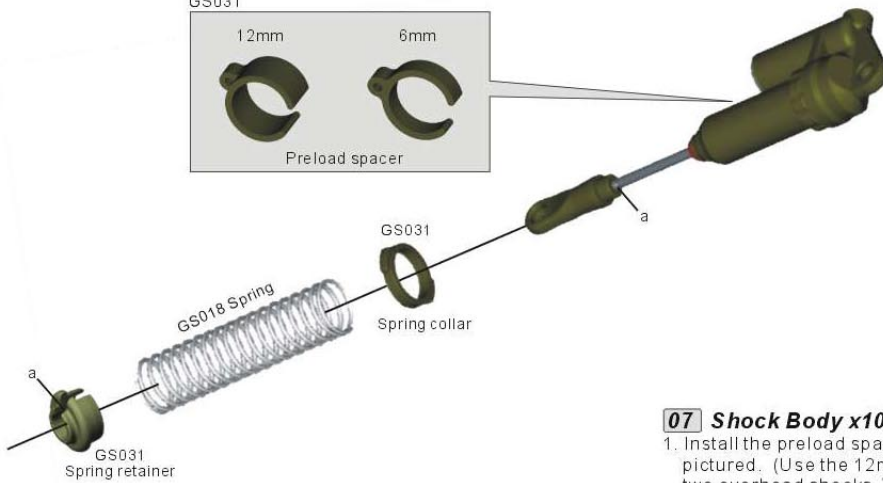


GS031

12mm

6mm

Preload spacer



## 07 Shock Body x10

1. Install the preload spacers, spring collar, spring, followed by the spring retainer as pictured. (Use the 12mm spacer for the 8 long shocks and the 6mm spacer for the two overhead shocks.)



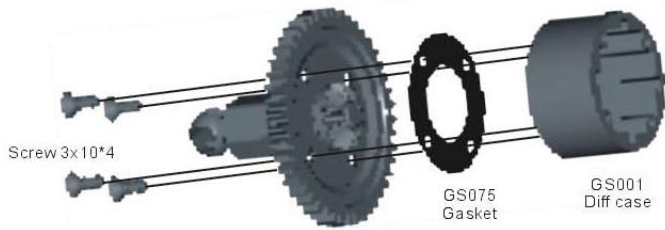
# Transmission Assembly



## 08 Center Diff

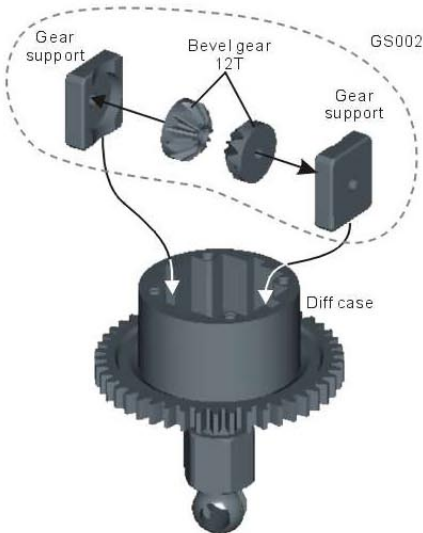
1. Slide one G73914 8x16x5 bearing onto the GS006 gear.
2. Insert output shaft into the gear as shown. Next slide one P6 "O" ring onto the output shaft, on the inside of the gear.
3. Insert one 3x10 pin through the pinhole on the output shaft followed by the 15T bevel gear.

# Transmission Assembly



## 09 Center Diff

1. Attach the GS006 gear to the GS001 diff case using four 3x10 flat head screws and gasket. Pay close attention to centering the gasket properly.
2. Make sure screws are tight.



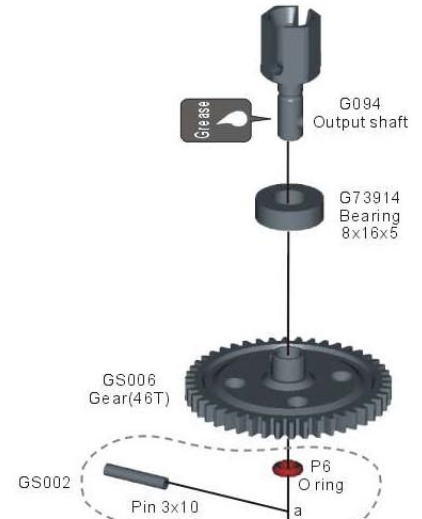
## 10 Center Diff

1. Install two 12T bevel gears and the two square gear supports into the diff case.



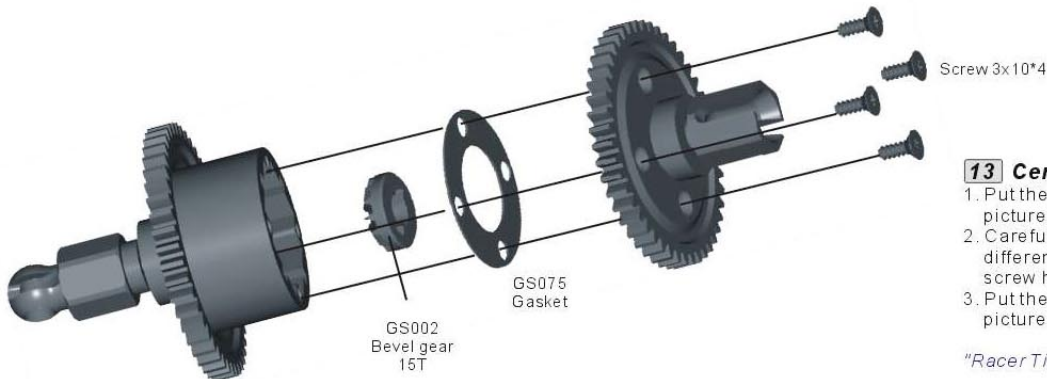
## 11 Center Diff

1. Fill the differential case just above the gears with differential grease.



## 12 Center Diff

1. Insert one G73914 8x16x5 bearing onto the GS006 gear.
2. Slide the output shaft GS094 through the GS006 46T gear.
3. Slide one P6 "O" ring onto the output shaft followed by a 3x10 pin.



## 13 Center Diff

1. Put the 15T bevel gear together as shown in the picture.
2. Carefully center the GS075 gasket onto the differential case. Make sure you line up the screw holes accurately.
3. Put the two halves together as shown in the picture. Secure with four 3x10 screws.

*"Racer Tip"* Tighten down the four screws evenly making sure they are all equally snug.



## 14 Center Lock

1. Slide one G73914 3x16x5 bearings onto the GS006 gear.
2. Next slide the output shaft into the gear as shown.
3. Slide on "O" ring followed by the 3x12 pin.



# CEN

# GENESIS 46

**1/8th Scale Ready To Rock Monster Truck**

*CEN Racing brings together huge engine displacement with a massive chassis to bring you the largest, most powerful monster truck ever introduced to the world, The Genesis! This monster was designed to raise the bar when it comes to power, engine size, tires size, and even handling characteristics. By purchasing this truck you have chosen to be the biggest on the block, while others must move over or be driven over. The Genesis simply redefines the term "Monster Truck".*

**GENESIS Fast Facts**

Length: 23.1in. (587mm)

Width: 18.4in. (467mm)

Wheelbase: 15.63in. (397mm)

Weight: 17 lbs.(272 oz, 7.7kg)

Ground Clearance: 4 in. (111.8mm)

Suspension Travel:

4.4inch & 5 inch (w/o Top shocks)

Tire Size: 7.5in. (190.5mm)

Wheel Size: 5.2in. (132.1mm)

Fuel Tank Capacity: 220cc



9501 RTR Version  
9502 ARR Version  
(w/o Radio & SafeGuard)

G00105001  
20040801