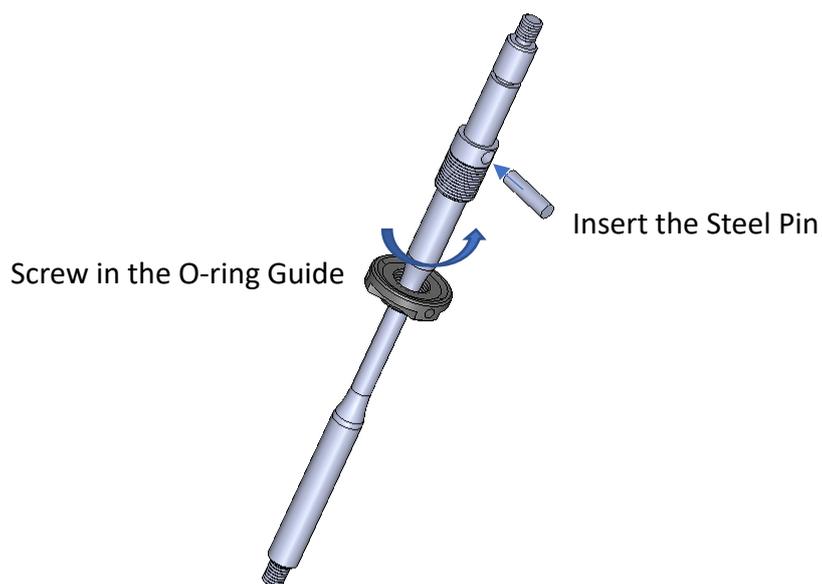
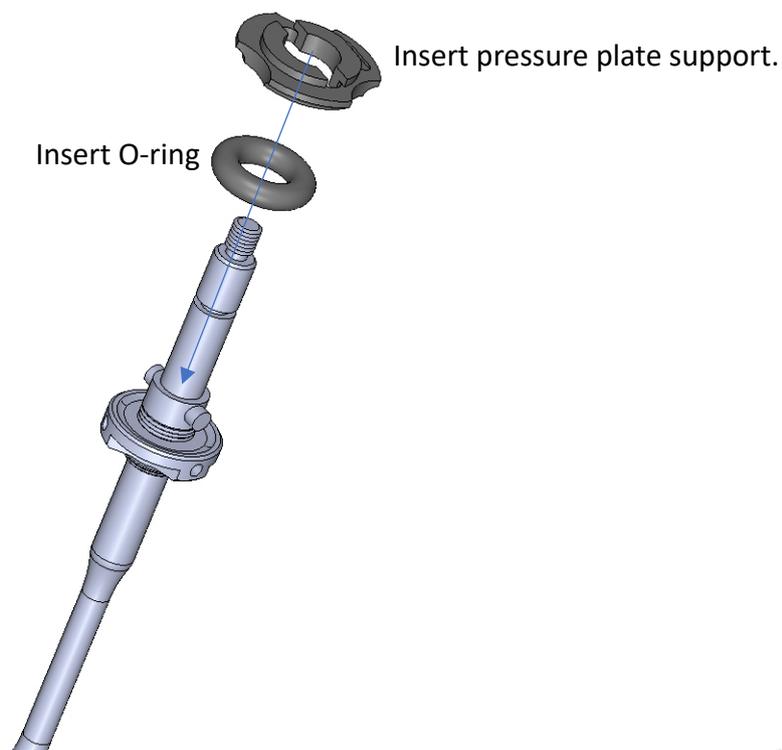


Step 01 – Pin and Guide

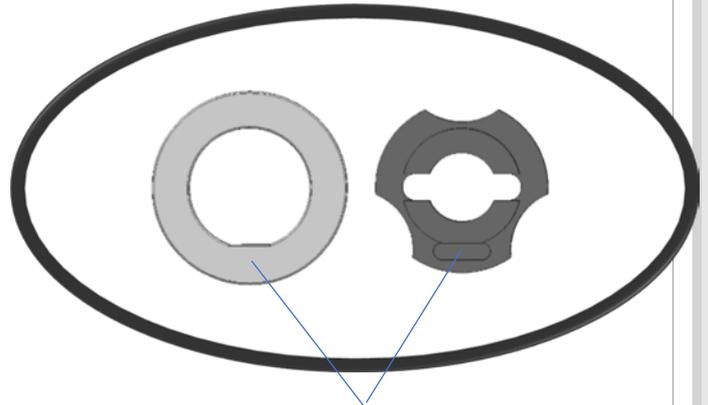
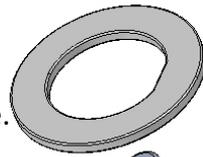


Step 02 – Oring and Plate Support



Step 03 – Left Pressure Plate

Insert pressure plate.



Make sure the flat notch is matched.

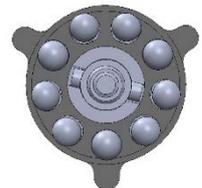
Apply Ball Diff Grease to the surface, as sticky agent to hold the pressure plate in place.

For better result, polish the plate using fine sandpaper, #2000 or #3000

Step 04 – Adding Balls



9 Ball – Stable more grip



6 Ball – More steering

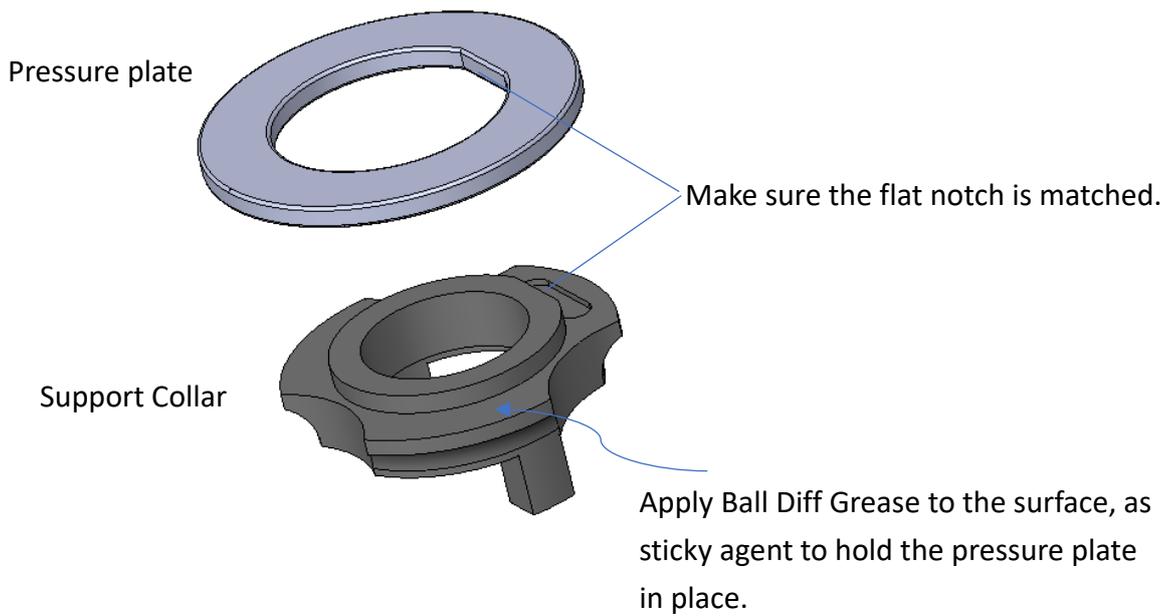


- 1- Apply Ball Diff Grease to hand palm.
- 2- Then put the balls on palm as well.
- 3- Rub the balls with finger to make sure the grease is evenly on the each of ball surface.
- 4- Put the balls in the ring.

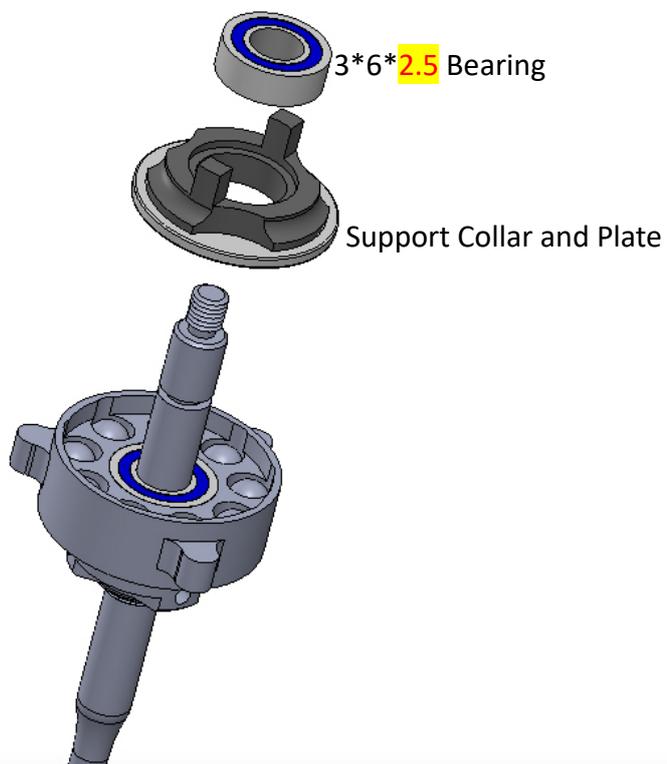
Step 05 – Insert Bearing



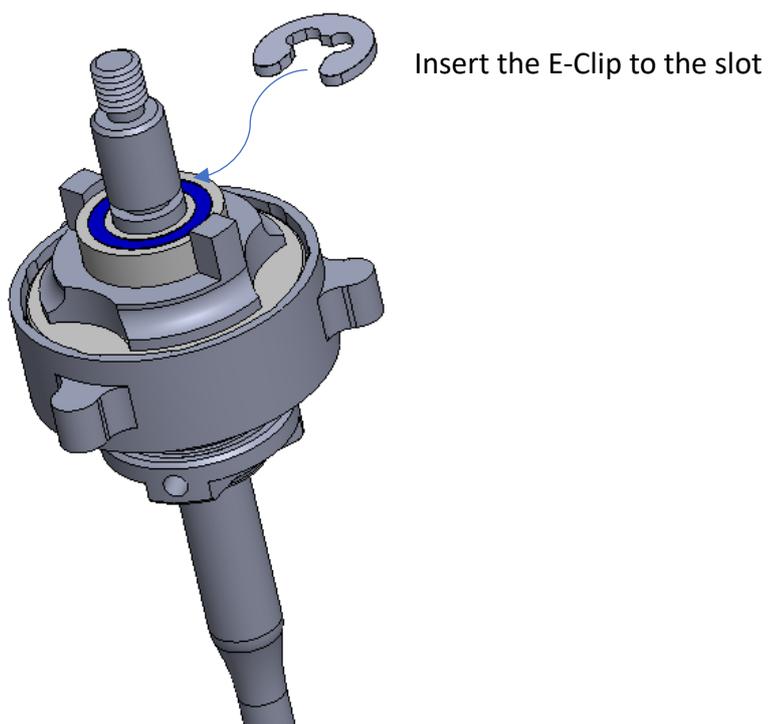
Step 06 – Right Pressure Plate



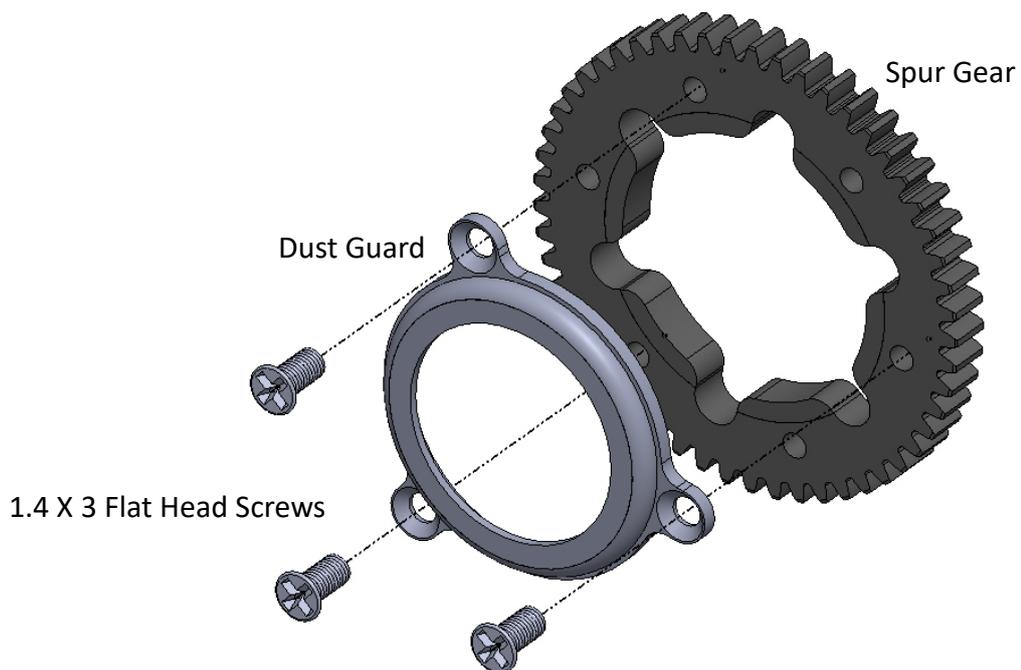
Step 07 – Right Side Plate Support



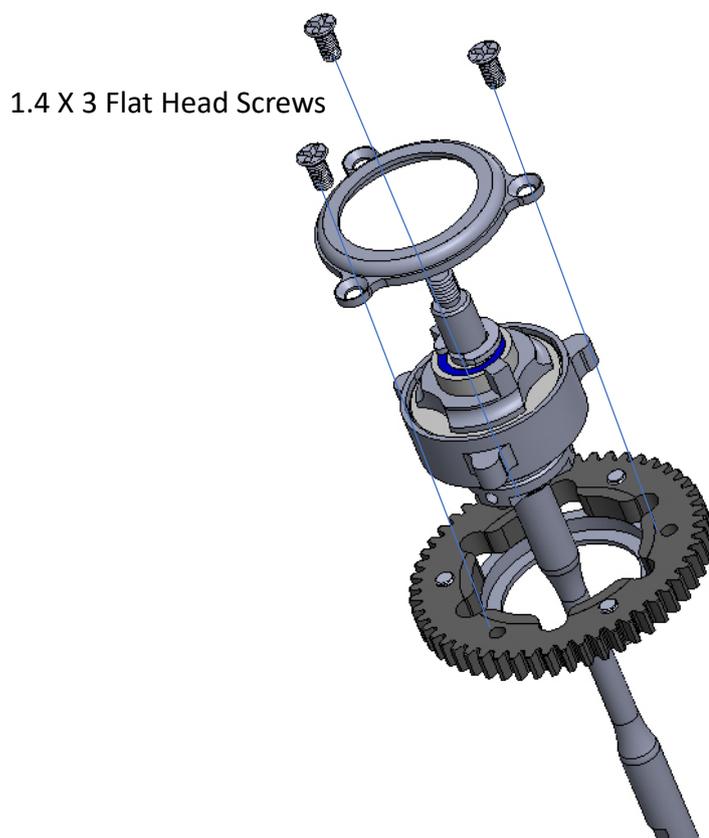
Step 08 – Insert E-Clip



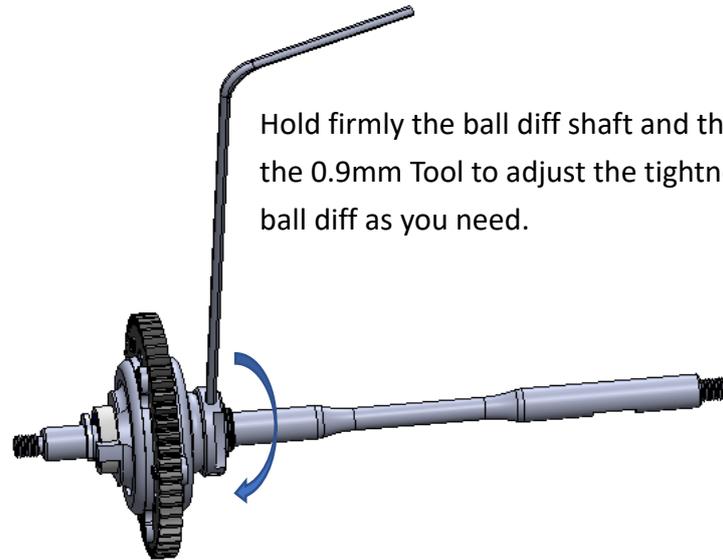
Step 09 – Spur Gear



Step 10 – Fixing Dust Guard



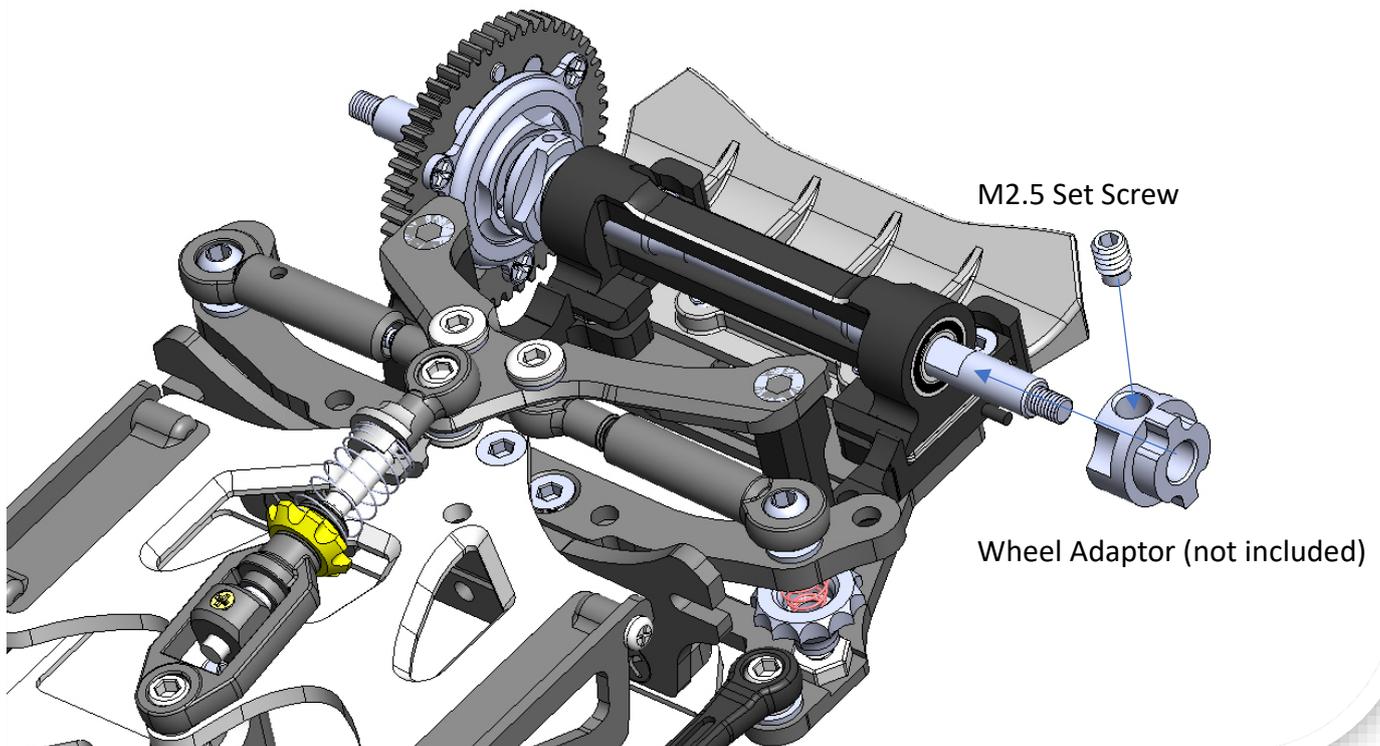
Step 11 – Adjust the Pressure



Hold firmly the ball diff shaft and then use the 0.9mm Tool to adjust the tightness of the ball diff as you need.

You will see there is wobble between the gear body and the shaft, no worry that is normal and that is on purpose to have this play. We need this play to ensure the system is working smoothly and running quietly with the motor pinion.

Step 12 – Put on the Car



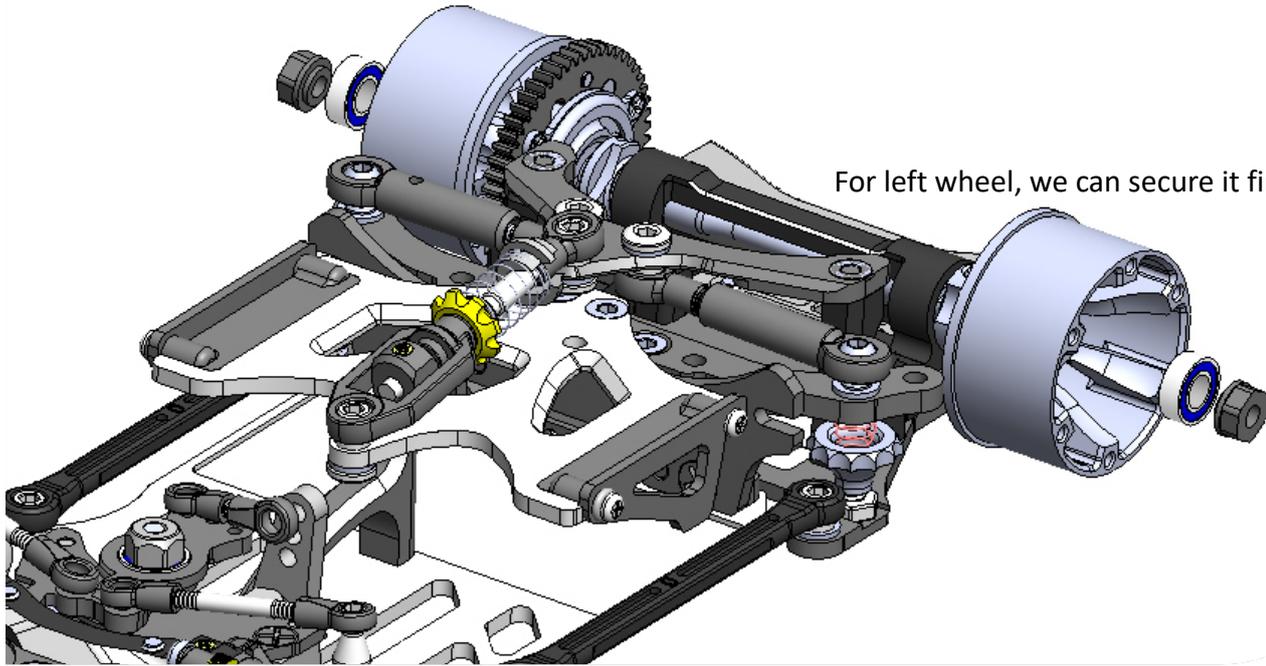
M2.5 Set Screw

Wheel Adaptor (not included)

Step 13 – Fixing Wheels

Pay attention to the right lock nut, do not over tighten, make sure the wheel can rotate freely.

For left wheel, we can secure it firmly.



Parts List

MRZ-UP16G	Dust Guard Ball Diff -Gold
MRZ-UP16K	Dust Guard Ball Diff -Black
MRZ-UP16P1	Steel Plate for DG Ball Diff (2pcs)
MRZ-UP16P2	2.381 Steel Ball DG Ball Diff (9 pcs)
MRZ-UP16P3	2.381 Ceramic Ball for DG Ball Diff (9 pcs)
MRZ-UP16P4	Oring, Pin ,Screw ,E-clip for DG Ball Diff
MRZ-UP16P5	Steel Shaft for DG Ball Diff
MRZ-UP16P6-53	Spur Gear for DG Ball Diff (53T)
MRZ-UP16P6-52	Spur Gear for DG Ball Diff (52T)
MRZ-UP16P6-51	Spur Gear for DG Ball Diff (51T)
MRZ-UP16P7	Wheel Adaptor for Gear / Ball Differential