



Lube Injection Auto-geared Electric Motor Gear Replacement

- 1) Drain the lubrication oil from the Motor. (Figure 1 below shows the drainage plug)
- 2) Remove the lower suspension bolt attached to the motor. (Figure 1)
- 3) Remove the five bolts that secure the motor to the wheel housing. (Figure 1)
- 4) Take the gear reduction motor off of the wheel. The motor should split apart readily if all of the securing bolts are removed.
- 5) Remove the gear shown on Figure 2. Once the motor is split apart and facing upwards the half with the brake arm should have the clutch gear at the top end of the drive shaft.
- 6) Wipe all residual oil from the housing and ensure that there are no foreign bodies in the housing.
- 7) Replace the gears and reassemble the motor. When you replace the clutch gear the ratchet should turn free in a clockwise direction, and lock when turned counterclockwise, that will drive the matching gear in a clockwise direction
- 8) Remember to replace the oil once you have completed the assembly. Refill the motor with....oil
- 9) Test run the motor on the stand. For the first few hundred yards the clutch may make some noise before it seats fully and from then on it will be fine.

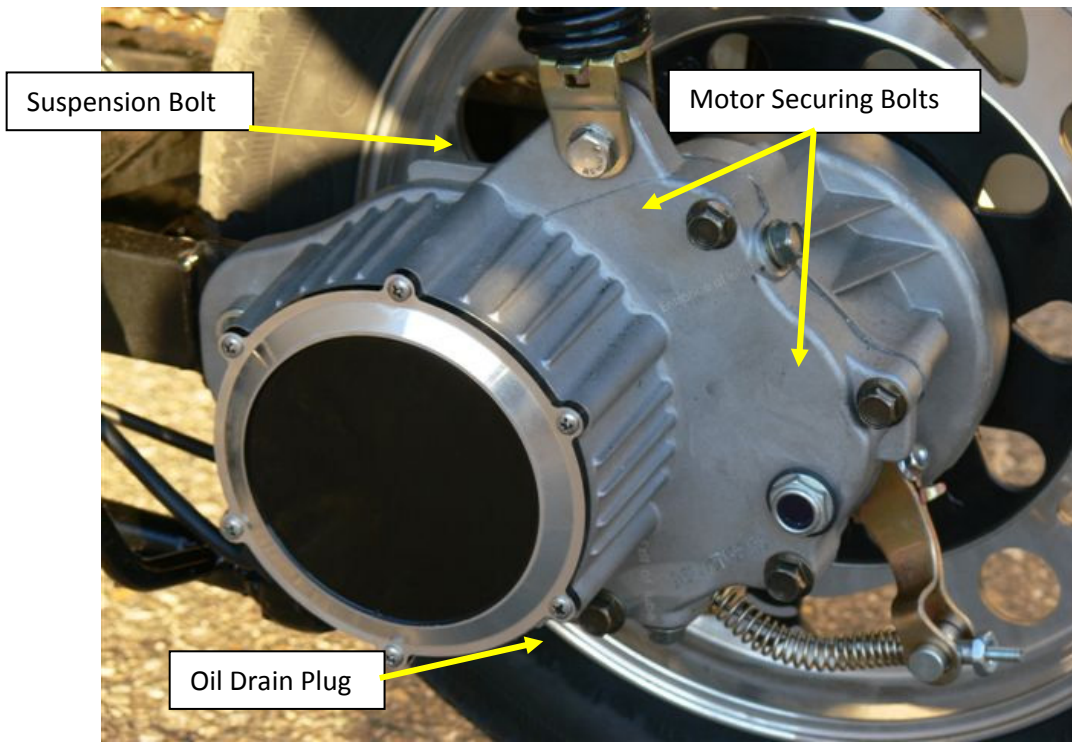


Figure 1

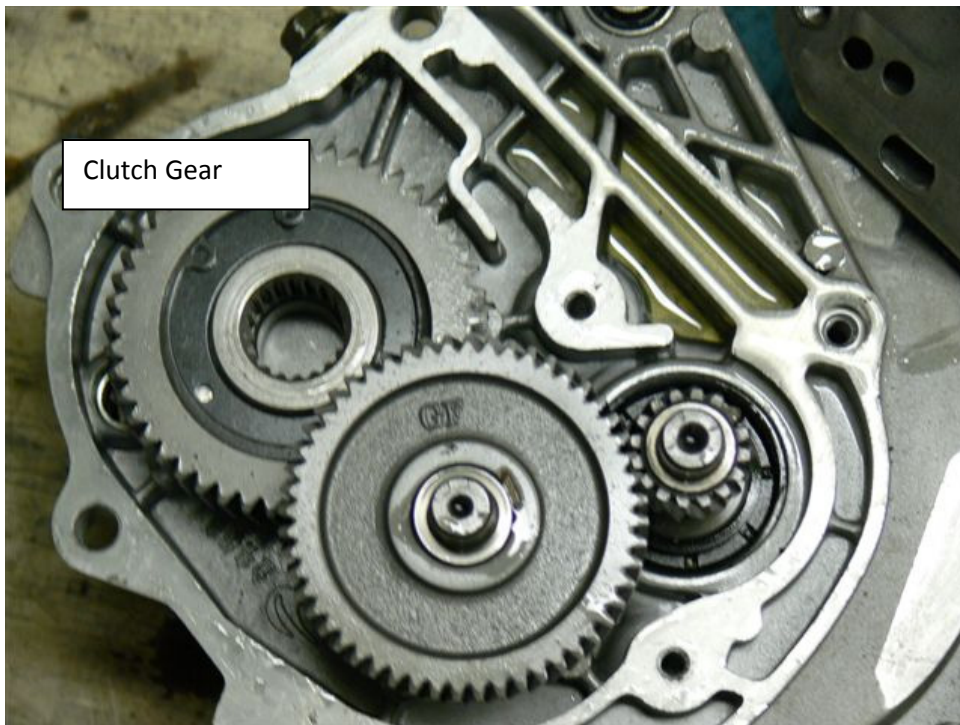


Figure 2