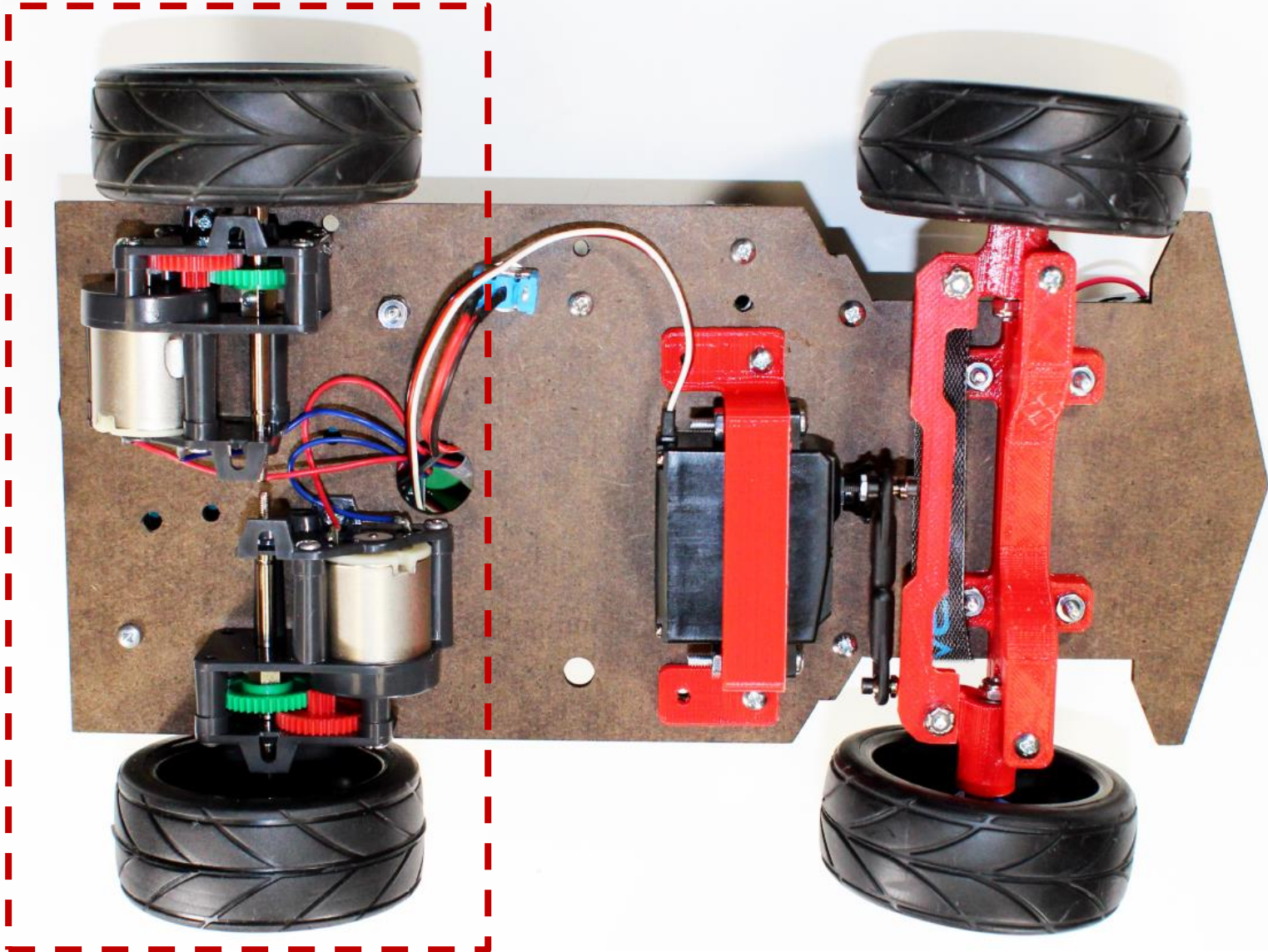


rear end assembly



wear safety glasses



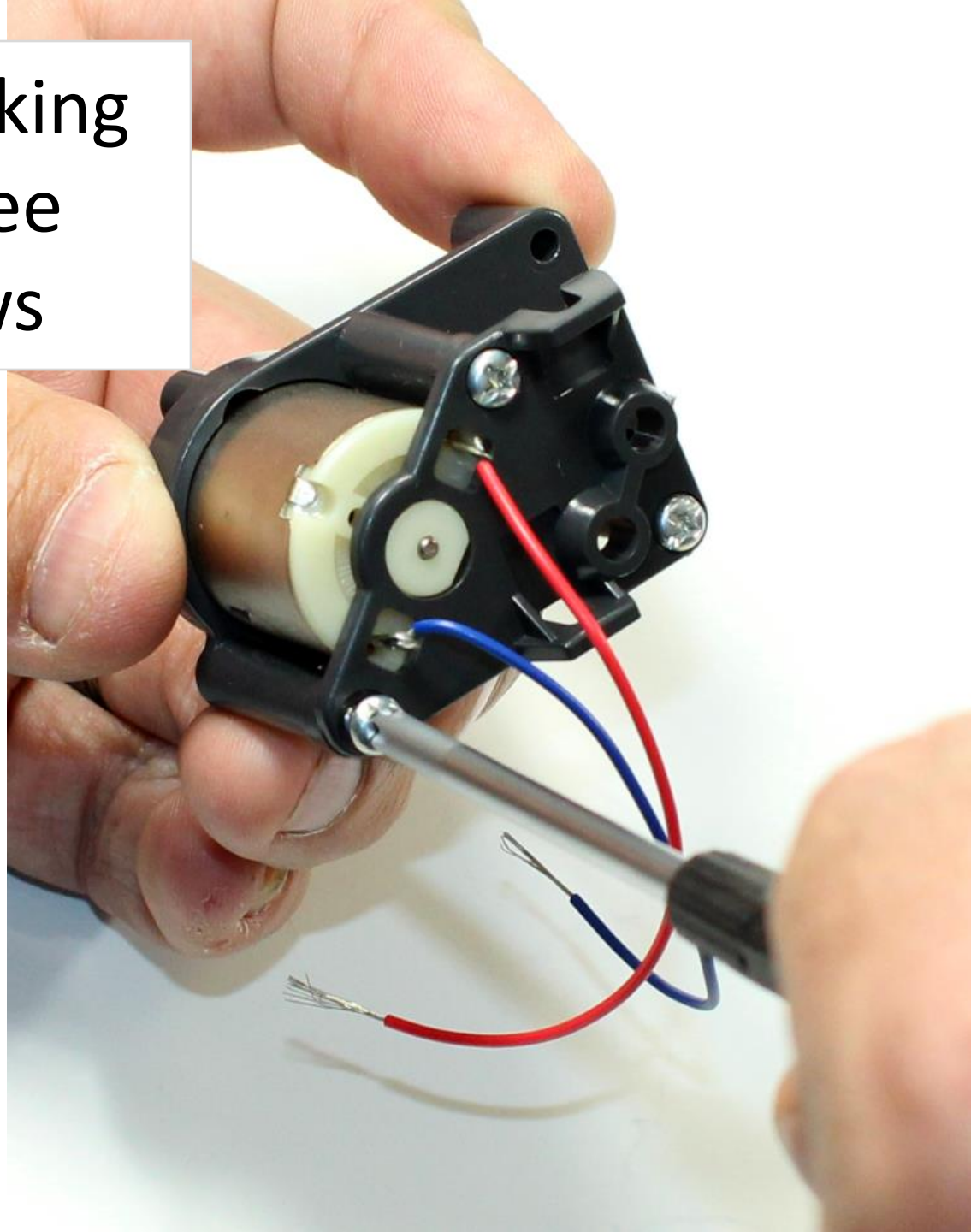
high speed gearbox parts that we will use



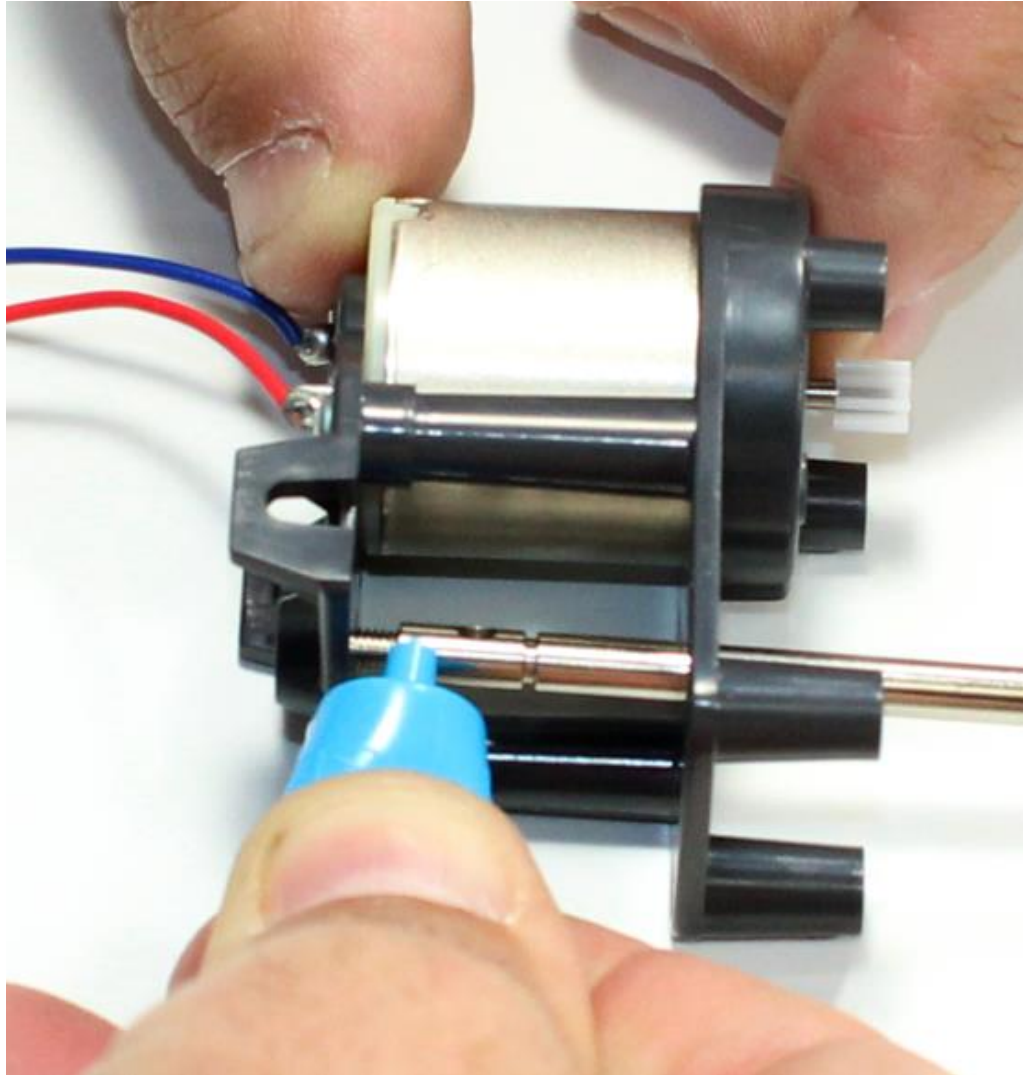
press pinion gear onto motor
shaft using gray spacing tool
(you don't actually keep the gray thing)



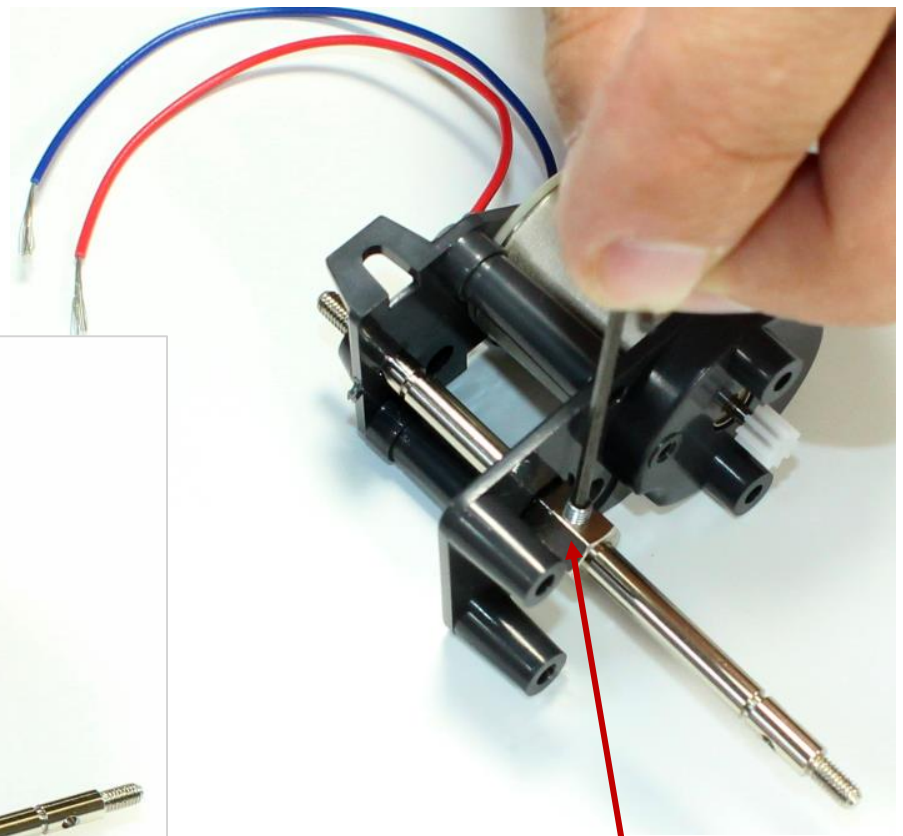
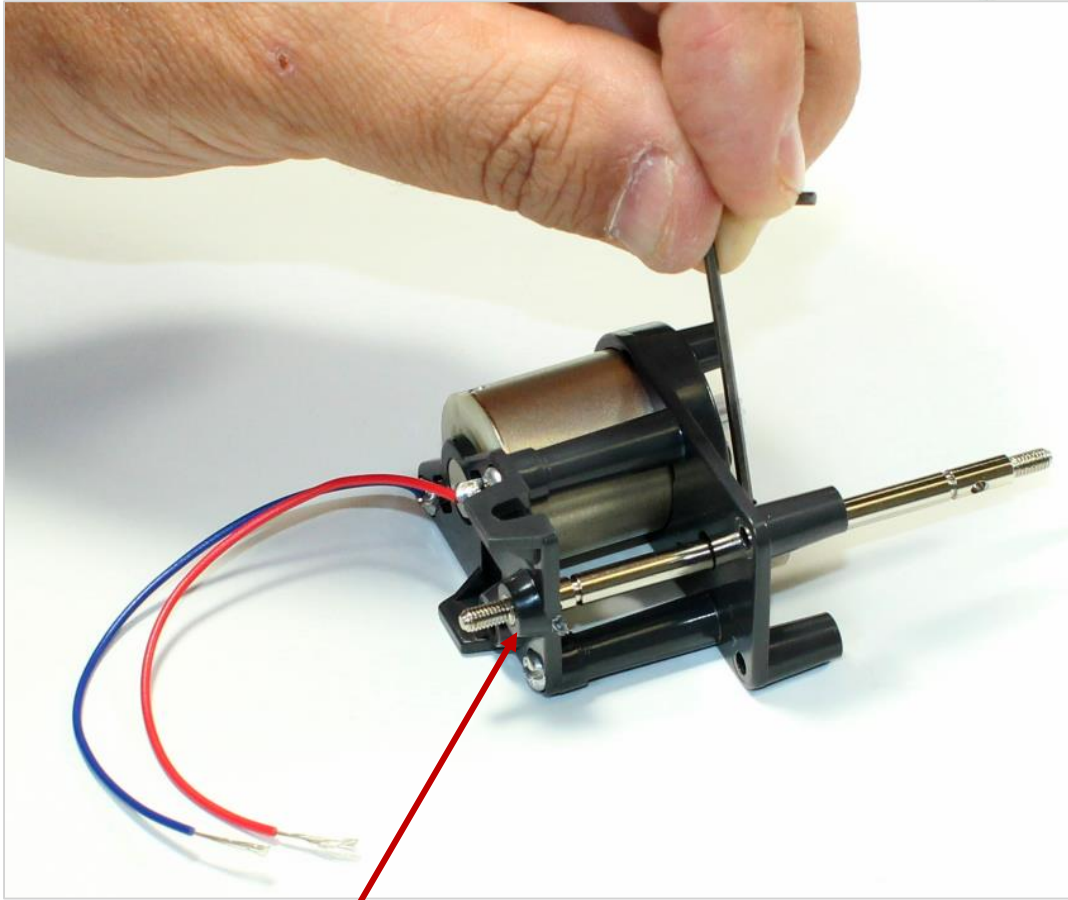
install motor backing
plate using three
supplied screws



apply grease to axle shaft



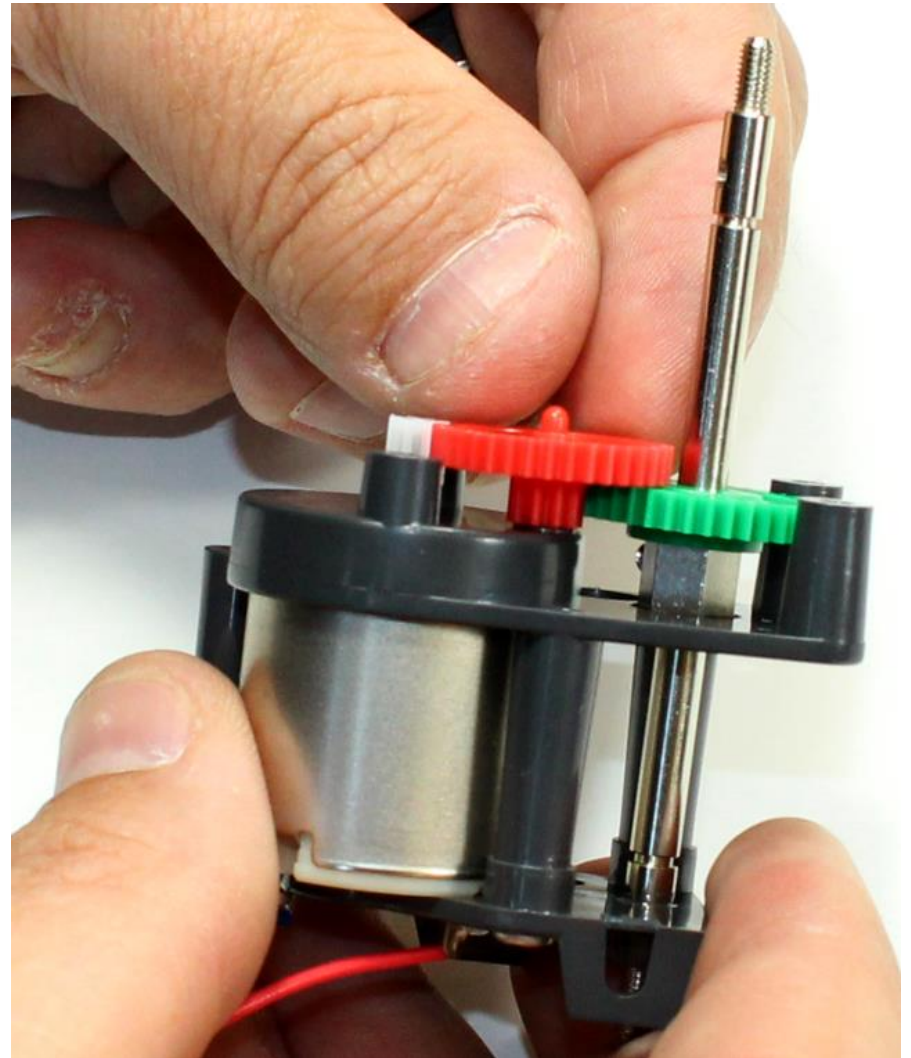
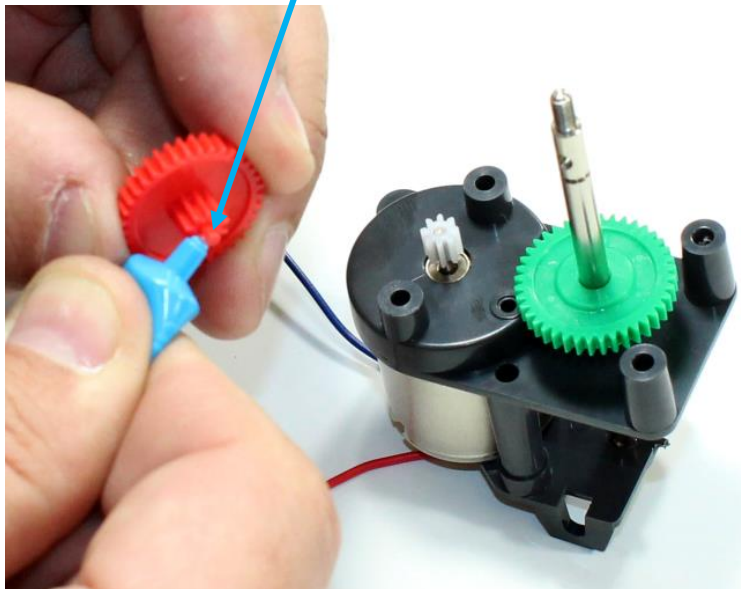
install axle



tighten set screw

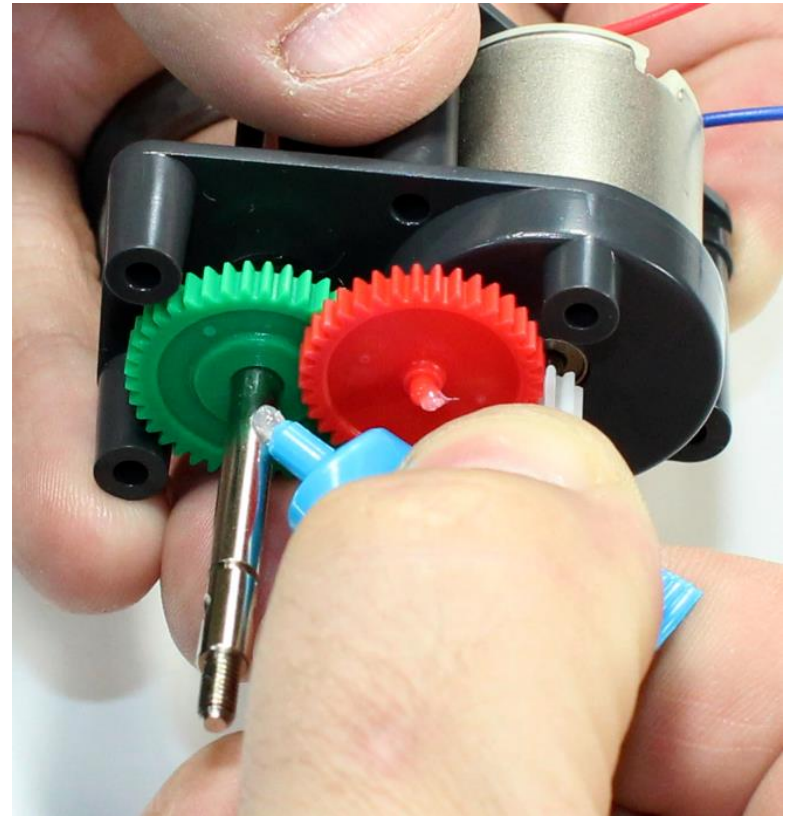
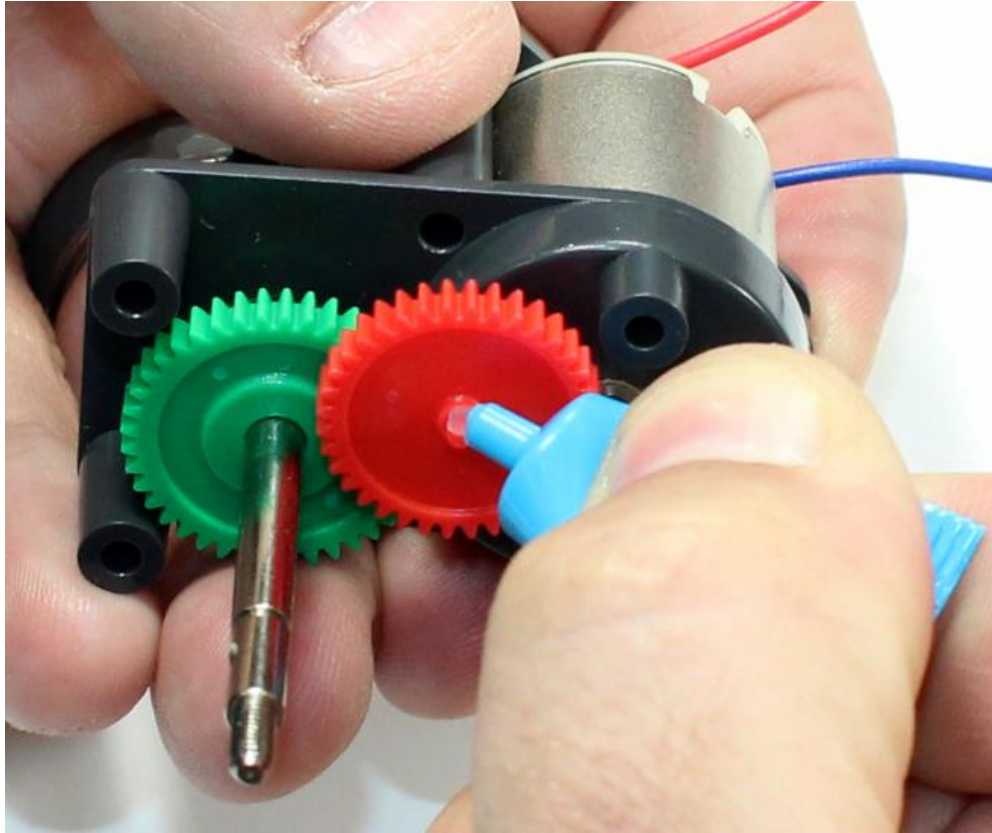
make shoulder of shaft flush with surface

lube red gear pin
(the small nub)



install red gear, contacting motor
pinion gear and the green axle gear

lube red gear pin and axle shaft



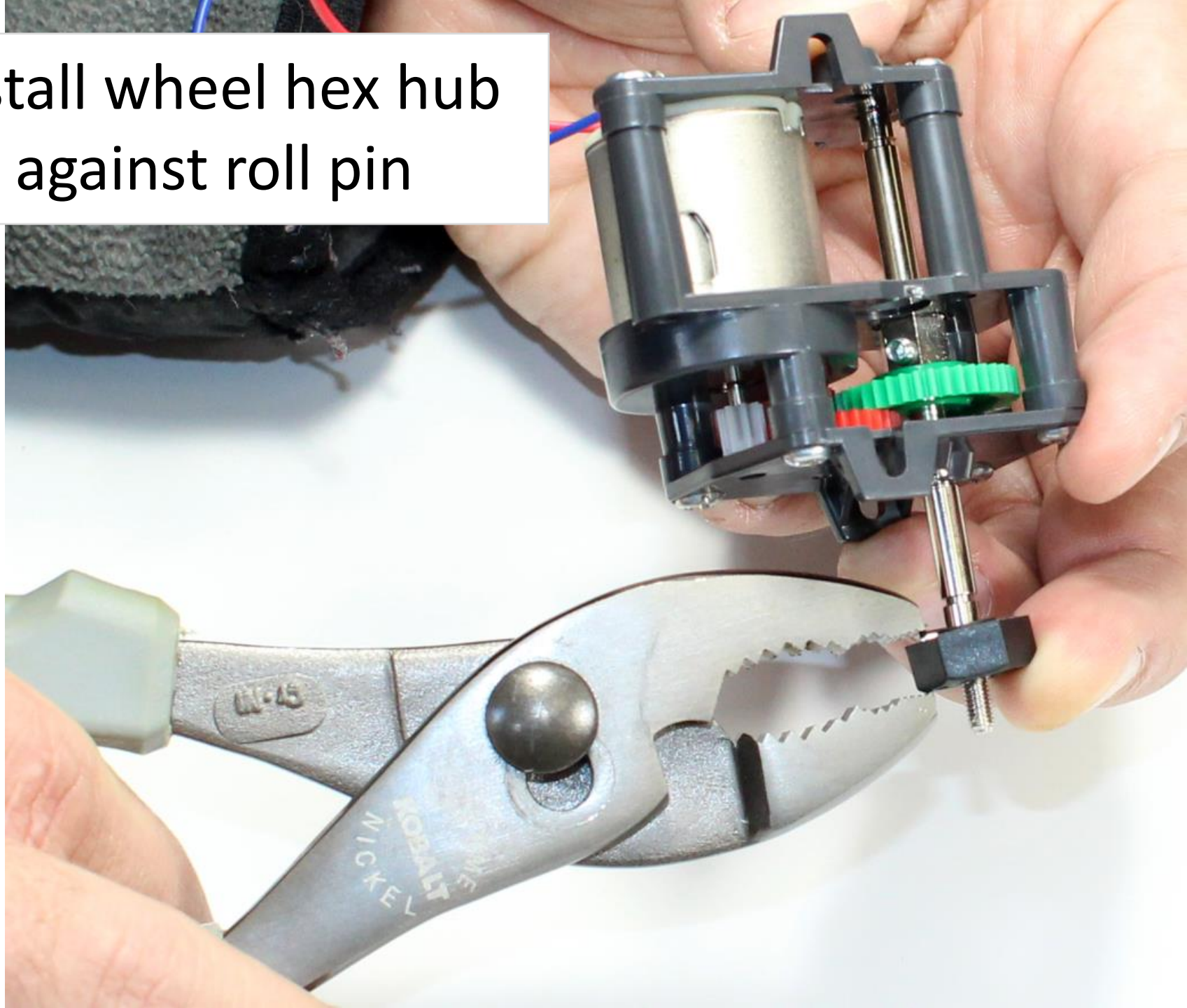
install gear
case screws



install roll pin until it is
centered on axle shaft

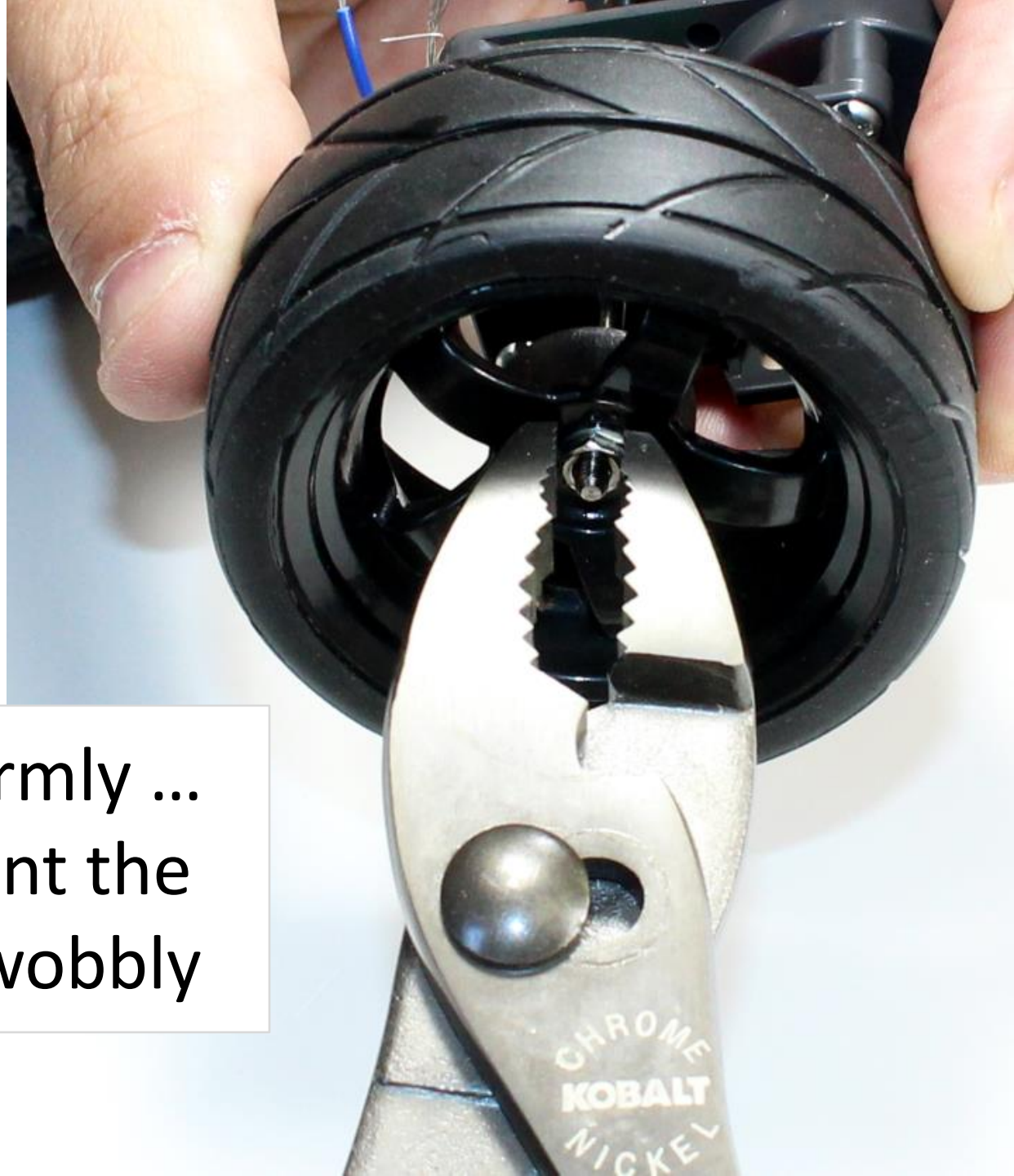


install wheel hex hub
against roll pin



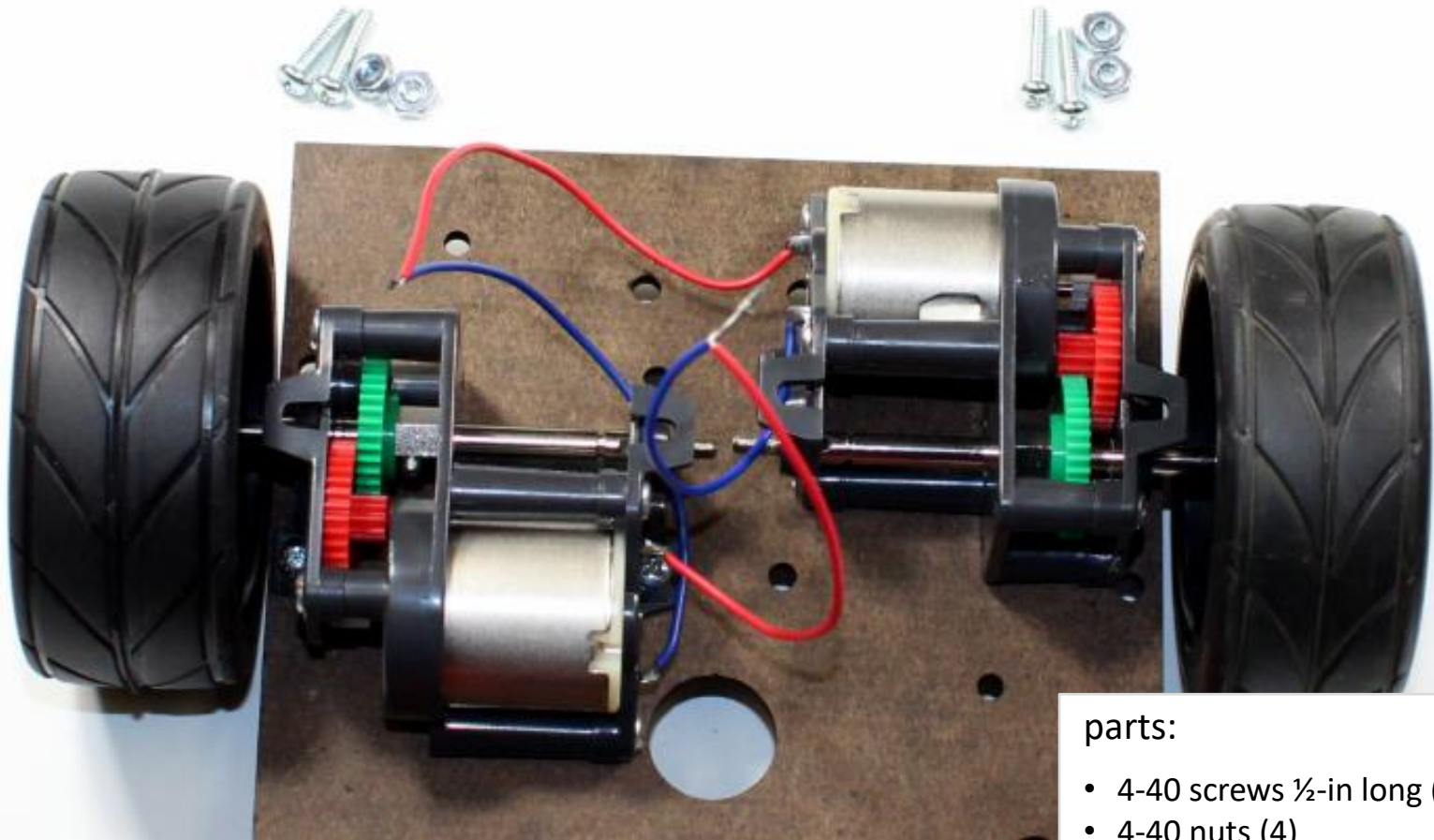
apply thread locking compound to axle screw





tighten nut firmly ...
you don't want the
wheel to be wobbly

mount rear wheels onto chassis



parts:

- 4-40 screws $\frac{1}{2}$ -in long (4)
- 4-40 nuts (4)
- wheel assemblies (2)

completed rear end

