

# Activity

## Smartphone Controlled Robot

### Assembly



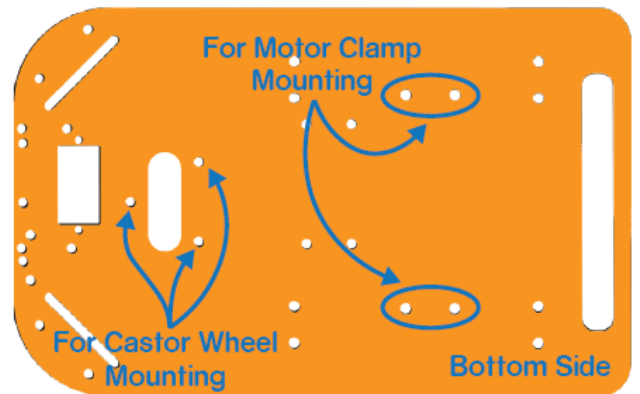
In this activity, you will assemble a two wheel drive robot.

### COMPONENTS

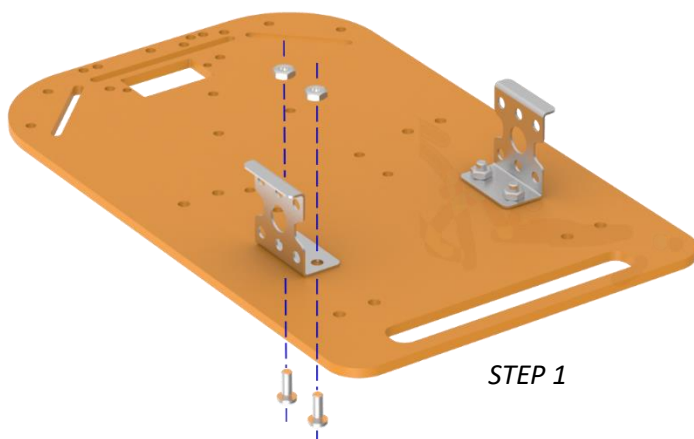
Robot Base Plate, 2 Motor Clamps, 2 DC Motor, 2 Wheels, Screwdriver, Caster Wheel, 4 M3 Bolt of 25mm length, 10 M3 Bolt of 8mm length, 10 M3 Bolt of 12mm length, 3 M3 Standoff of 20 mm length and 15 M3 Nut.

### STEP-BY-STEP

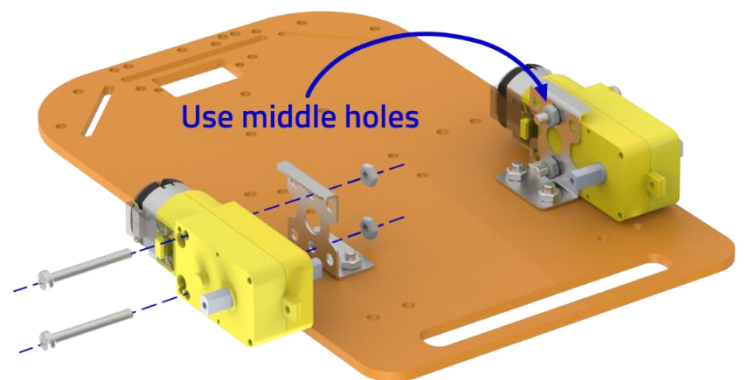
1. Fix the **motor clamps** to the **chassis (base plate)** using **M3 bolts of 8mm length and M3 nuts**. (You have to mount the motor clamp on the side of the base plate where there is no evive logo)
2. Attach the two **motors**, one to each **motor clamps**, side by side and fasten using **M3 bolts of 25mm length and M3 nuts**.



Base Plate

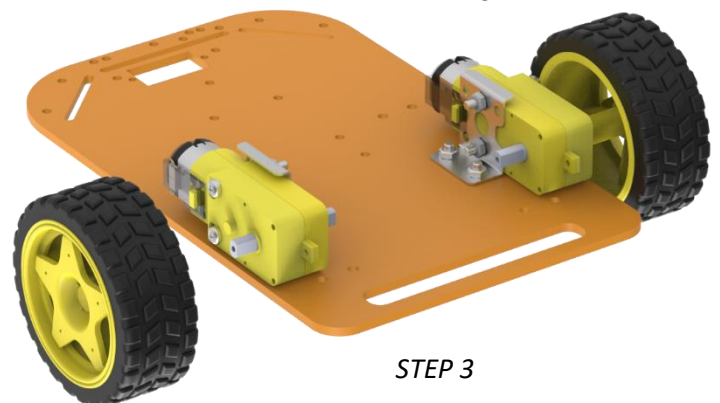


STEP 1



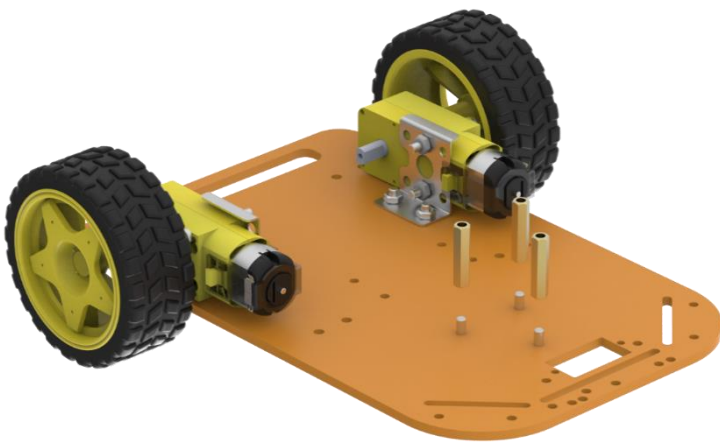
STEP 2

3. Now, fit the **wheels** into the **motor shafts**.
4. Mount the **M3 standoffs (20 mm)** on the **chassis** using **M3 bolts of 8mm length**.
5. Bring the **caster wheel** on top of the standoffs in the configuration shown and fasten using **M3 bolts of 12 mm length**.

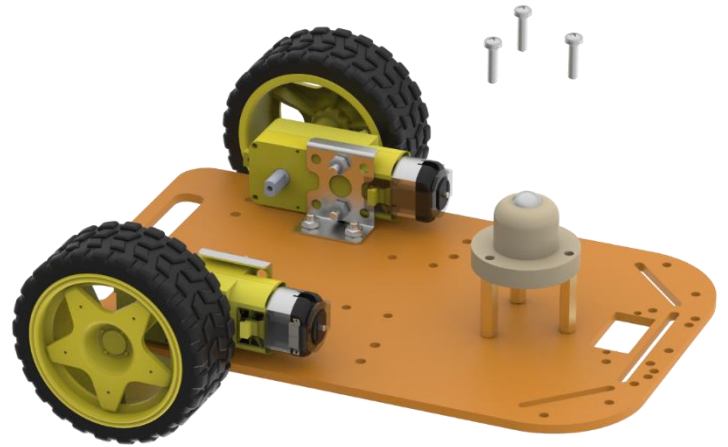


STEP 3



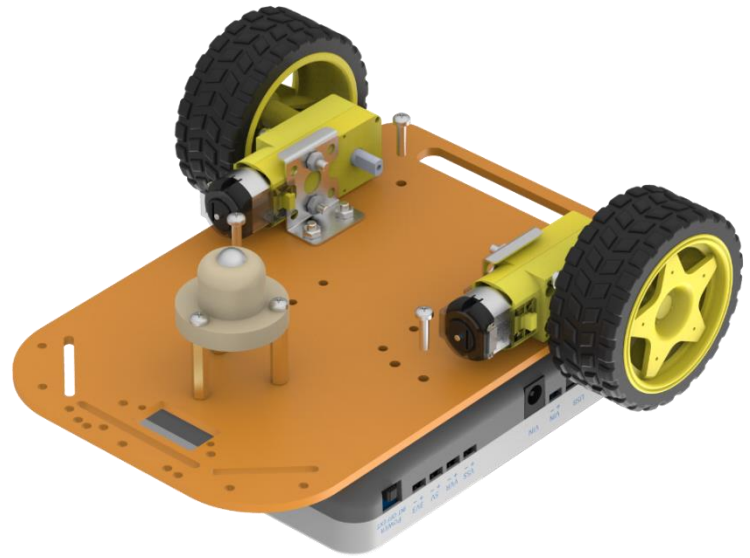


STEP 4



STEP 5

6. Using the holes on the back of **evive**, fasten it to the **chassis** using **M3 bolts of 12mm length**.



Your assembly is complete.

