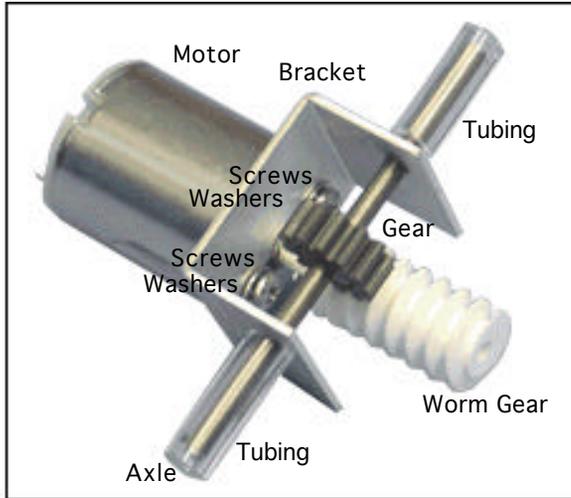




Mini Motor Gear Kit-B

Mechanical

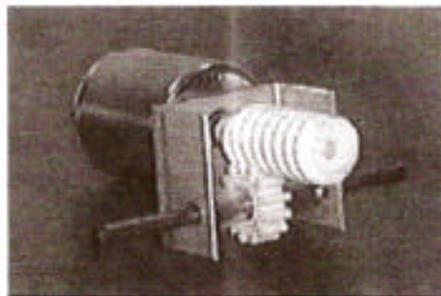


Basic Assembly Information:

- Read all instructions before assembling your kit
- Refer to the photograph to see how the product looks when assembled
- Identify each of the components in the kit
- Work with the bracket and axle first
- File or sand the ends of the axle to eliminate the slight flange produced in manufacturing
- Insert one end of the axle through a side hole in the bracket
- Insert the 15mm gear on the end of the axle and tap the free end of the axle with a hammer forcing the axle into the gear
- In a slightly opened vice or similar device set up so the axle that it will pass through the bracket and the vice and so the rest of the bracket is supported
- Tap the axle with a hammer until the gear is centered on it and so that the axle passes through the other hole in the bracket
- Cut 2 pieces of the tubing long enough to prevent the gear from moving laterally on the shaft (approximately 5/16")
- Slit each piece of tubing lengthwise – to do this safely hold the tube with needle nose pliers while slitting it with a hobby knife
- Insert the tubes over the axle with one on each side of the gear
- Line up the motor in the slot on the bracket and attach using the self tapping screws and lock washers that are provided
- Do not over tighten
- Press the worm gear on to the motor shaft while holding the back of the motor to keep it from being pushed out
- Turn the worm gear by hand to make sure that the gear teeth are properly meshed
- Connect to D.C. power source (maximum 9 volts) for final test
- Add to your activity or project

Tools Needed:

- Hammer
- Needle Nose Pliers
- Screwdriver
- Hobby Knife



Contents:

- 1 – Motor
- 1 – Worm Gear
- 1 – Gear (15mm)
- 1 – Axle
- 1 – Bracket
- 1 – Strip of Tubing
- 2 – Self Tapping Screws
- 2 – Lock Washers
- 1 – Instruction Sheet