

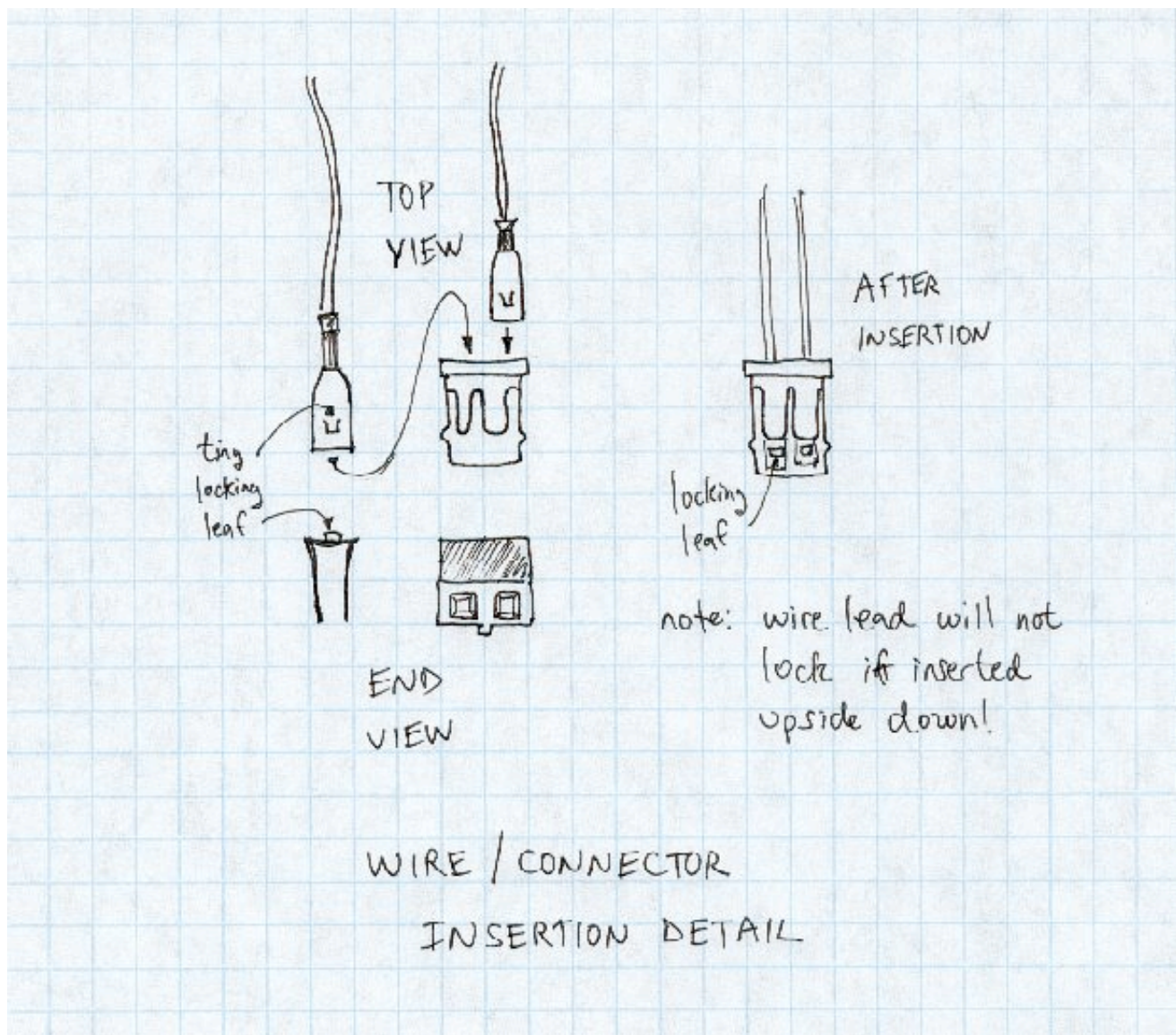
# Sensor & Motor Assembly

Instructions are provided for building the following devices:

- **DC motor.** A small “direct current” toy motor.
- **Touch sensor.** A simple pushbutton switch that can detect bumps or presses.
- **Light sensor.** A light-sensitive photocell that’s ideal for measuring light levels.
- **Light bulb.** A tiny light bulb great for indicators or decorative displays.

All of these attach to the Handy Cricket using the connector system illustrated below. The motor and lamp use a 2–position plug; the touch sensor and light sensor use a 3–position plug.

The diagram shows the proper method of inserting the pre-crimped wire leads into the plug housings. Please study it carefully so you don’t insert the wires improperly!



When the lead is inserted correctly, you will feel a tiny “click” as the connector locks itself into the plug. If it is inserted upside-down or side-ways, the connector won’t lock and you can pull it out and try again.