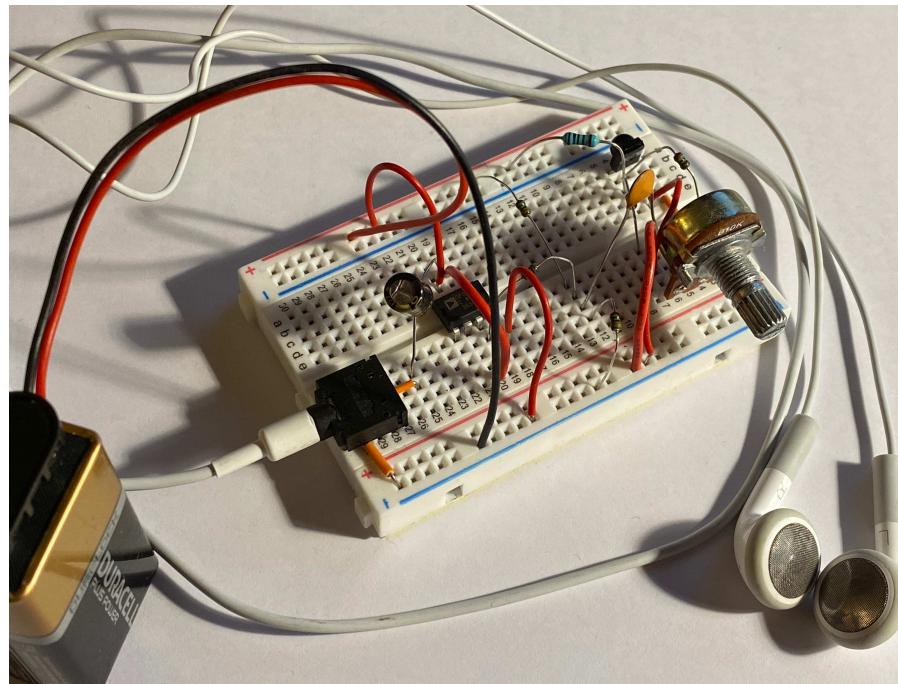


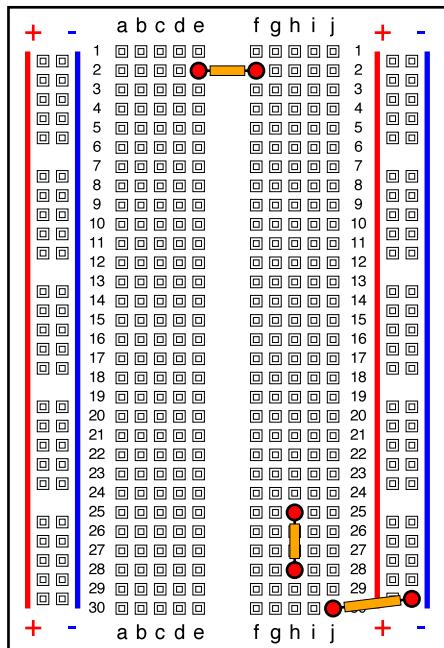
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IR DETECTOR ASSEMBLY INSTRUCTIONS — BREADBOARD VERSION



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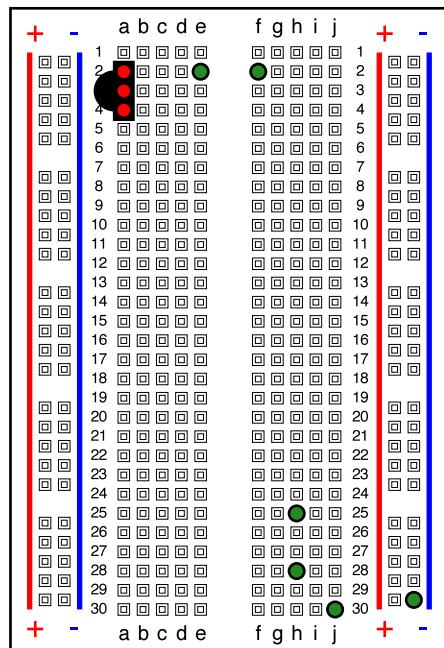
Insert three wire links.



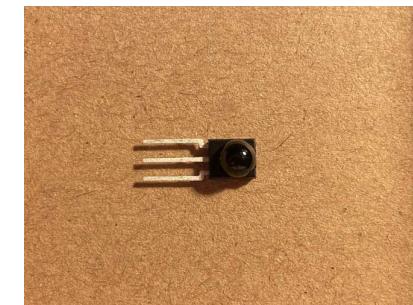
Step 1 of 12

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Insert the sensor.

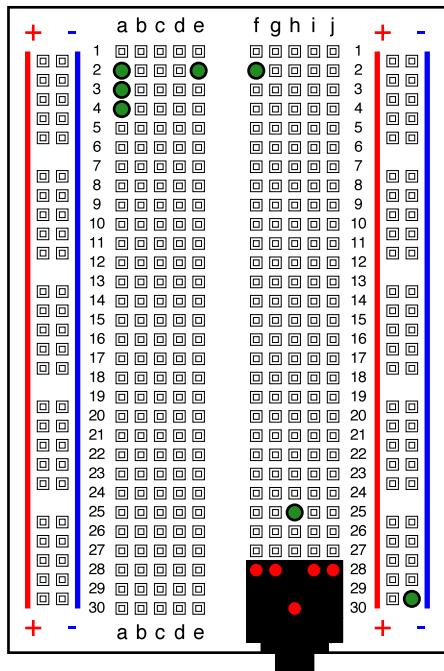


Make sure the lens (bump) faces outwards

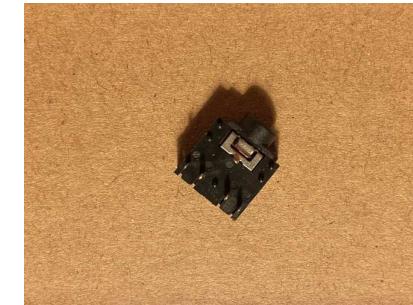
Step 2 of 12

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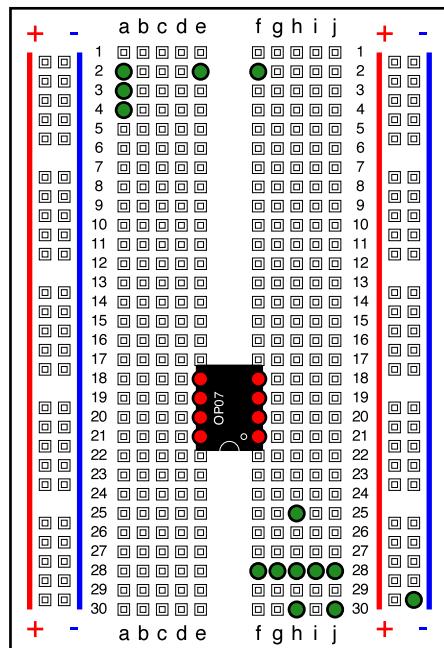
Insert the socket.



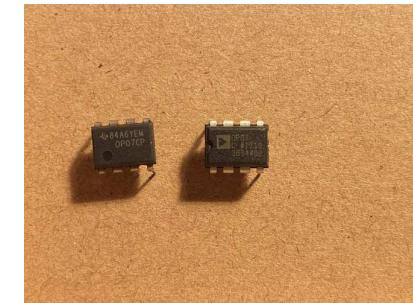
Step 3 of 12

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Insert the amplifier chip.

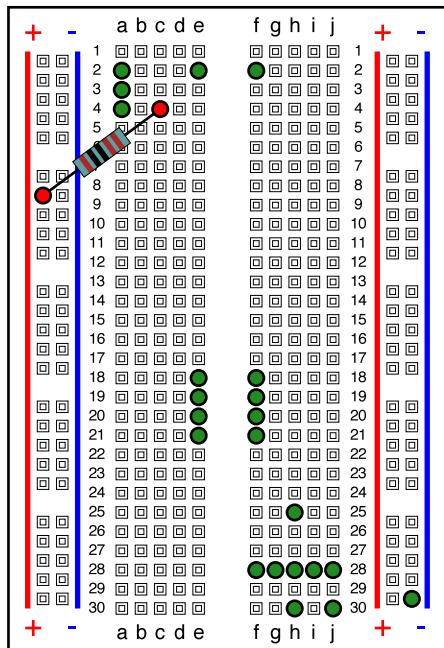


Check the orientation is correct.

Step 4 of 12

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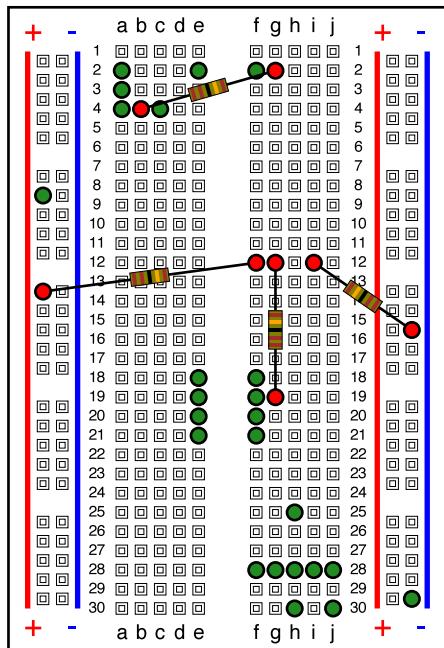
Insert the large, 1k resistor.



Step 5 of 12

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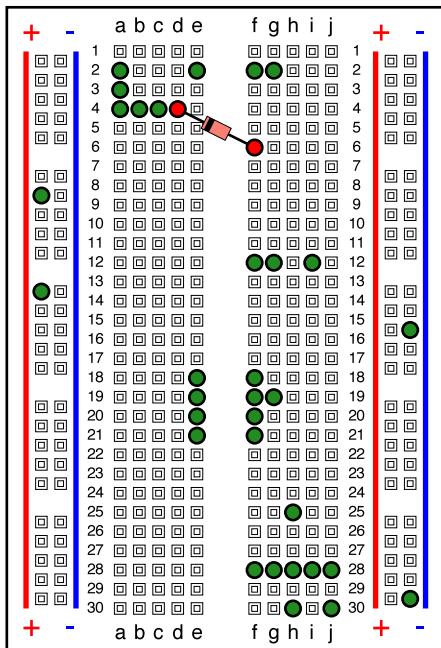
Insert the four small, 110k resistors.



Step 6 of 12

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Insert the zener diode.

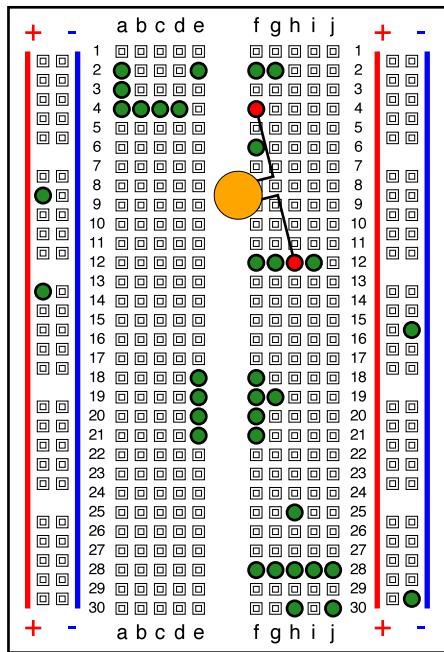


The black band should be connected to the sensor.

Step 7 of 12

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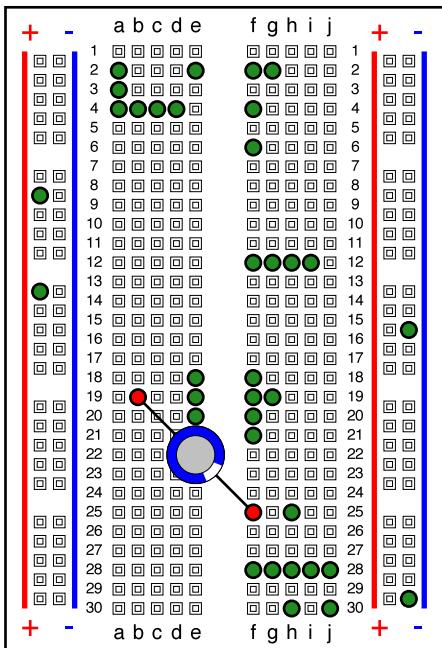
Insert the ceramic disc capacitor.



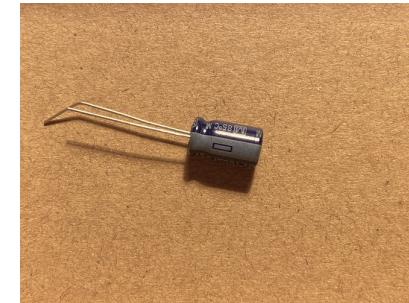
Step 8 of 12

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Insert the electrolytic capacitor.

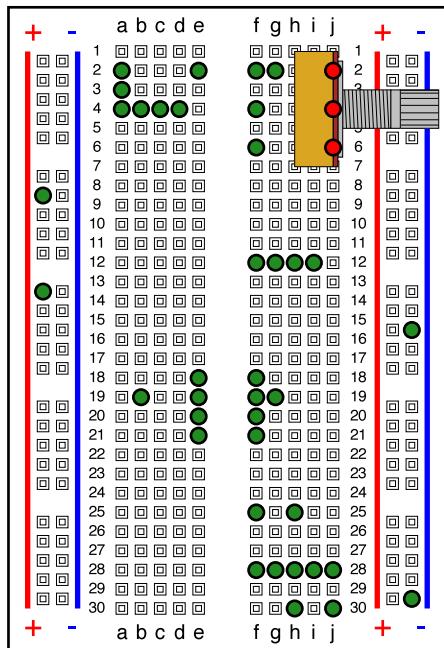


The white band (-) should be connected to the socket.

Step 9 of 12

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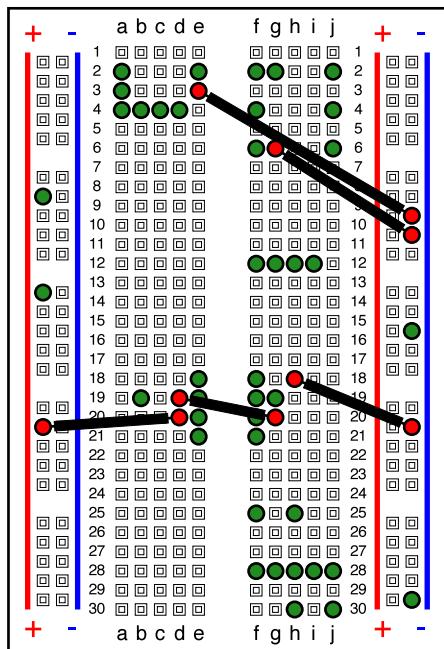
Insert the potentiometer.



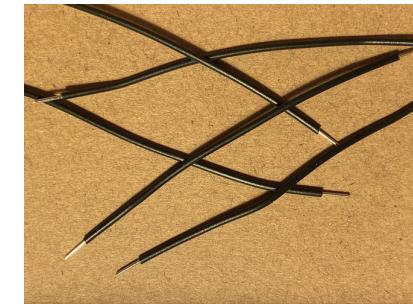
Step 10 of 12

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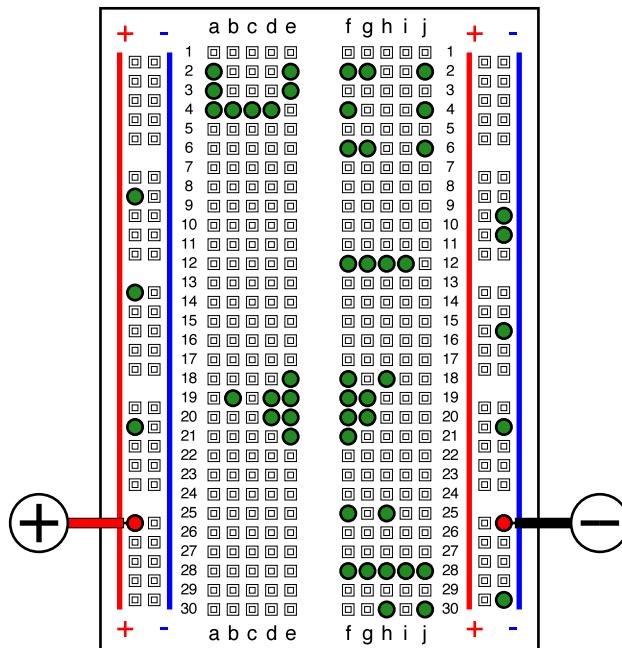
Insert the five long wires.



Step 11 of 12

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Connect the battery clip.



Make sure it is the right way round!

Step 12 of 12

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The detector is now ready to use. Connect headphones then plug in a 9V PP3 battery. Hold the detector by the battery with the headphone jack pointing towards you.

Take care not to dislodge any connections when transporting the detector. You might find it useful to keep these instructions nearby for field repairs.

When you have finished with the detector please disassemble it and return it to ammo can from whence it came.

Good luck!