



Guitar Speaker

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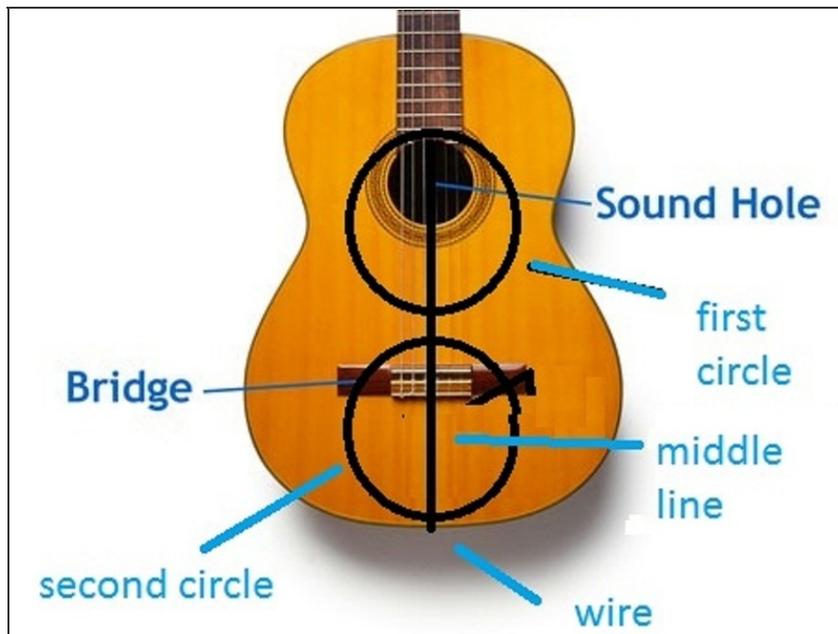
TOOLS:

- [Jigsaw \(1\)](#)
- [Metal ruler \(1\)](#)
- [Soldering iron \(1\)](#)
- [cordless drill \(1\)](#)
- [math compass \(1\)](#)
- [soft pencil \(1\)](#)

PARTS:

- [broken guitar \(1\)](#)
- [Speakers \(2\)](#)
- [Speaker wire \(1\)](#)
- [short wood screws \(8\)](#)

Step 1 — Guitar Speaker



- I first measured out where I wanted to place the speakers using the ruler or a tape measure.
- I measured out the centre of the guitar and drew a centre line parallel to the guitar neck (see picture). I then used a math compass to draw the circles to be cut out.
- Note: Make sure when drawing the circles to give the speakers enough distance from each other. 
- I suggest drawing the circle at the sound hole first as it will give you an idea as to how much space you have left to play with.
- After drawing the second circle I began cutting.
- I suggest weighing the guitar down with something heavy to prevent vibrations while cutting the holes with a jigsaw. Start carefully and if there is too much vibration add more weight.
- After cutting out the first speaker hole I used the cordless drill to make a small hole in the centre of the second circle to be able to cut out the second speaker hole.

Step 2



- Next I drilled a hole in the bottom of the guitar to thread the speaker wires through.
- Note: Give yourself enough slack and tie a knot to prevent accidentally ripping out the cables from the speakers.
- I used the soldering iron to attach the wires to the speakers. You may find that old speakers tend to have more than enough solder on them already to make a good connection. (If not, just add a little extra. ;))
- Now all I needed to do is screw the speakers to the guitar using the wood screws.
- I suggest first placing the speakers in as you see fit and marking out where the screws shall go in. Then pre-drill the marked spots to prevent the wood from splintering and then turn the screws in.
- Feel free if you like to then seal off the wire hole with some hot glue.
- And that's it. All you need to do now is connect the speakers, turn up the volume and enjoy the sound. :)

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