



C5200 Bass Amplifier DIY Homemade with Volume

Posted on August 14, 2022 | By Tronicspro | 1 comment

In this video, i am showing, how to make a powerful C5200 Bass Amplifier DIY with BD139 & BD140 transistors.

The C5200 bass amplifier is a popular DIY project among audio enthusiasts. This power amplifier is capable of delivering high-quality sound with minimal distortion, making it an excellent choice for bass guitarists and music lovers. The C5200 bass amplifier circuit is built using two 2SC5200 transistors and BD139 and BD140 transistors. These components are readily available in the market and provide excellent performance for a low cost.

The Peavey C5200 is the ultimate amplifier for sound lovers who want to drive their sound system to the max. It offers a powerful 100 watts per channel in its 2U form factor if you duplicate for stereo that allows you to tweak your sound precisely.

This reliable power amp has all the features necessary to provide events with amazing audio quality. With its high-headroom design, it can handle demanding situations with ease while delivering great results.

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C5200 A1943 TDA2030 Amplifier DIY Homemade



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The C5200 Bass Amp DIY is ideal for experienced builders who want to create their ultimate bass tone. Featuring a powerful 100W power amp, this high-tech system lets you build your amplifier from scratch and customize its settings to tailor your desired sound. The kit comes with all necessary components like transformers, switches, and pots so that you can assemble the amp according to your specifications. You'll also find plenty of resources available if you need help along the way or want advice on tweaking the design further. With a little creative thought, anyone can make their perfect rig with the C5200 DIY kit!


Circuit diagram


used in C5200 Bass Amplifier DIY

Following is the circuit diagram of the C5200 Heavy bass Amplifier with volume, This circuit diagram uses minimum components and it's very easy to assemble for beginners and students.

 C5200 A1943 Stereo Amplifier DIY Homemade

 LA4440 bass amplifier DIY stereo homemade


 D718 B688 Powerful Amplifier DIY Homemade

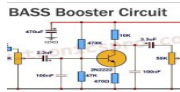
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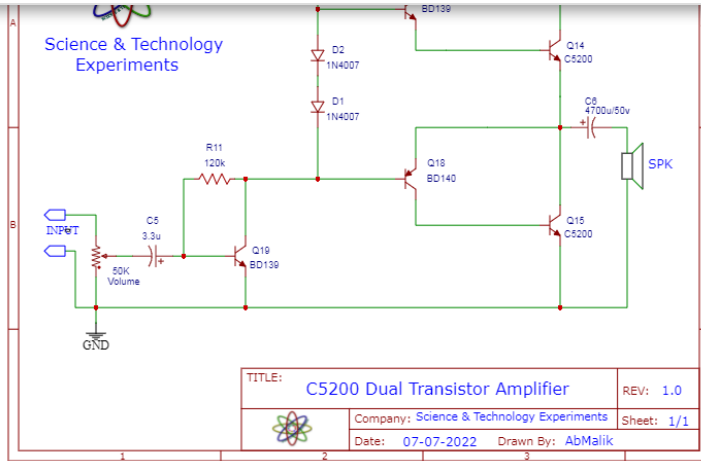
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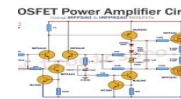
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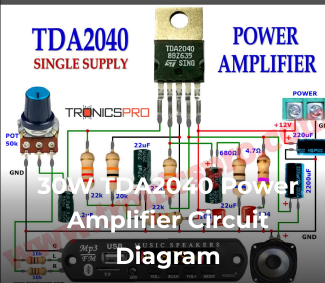
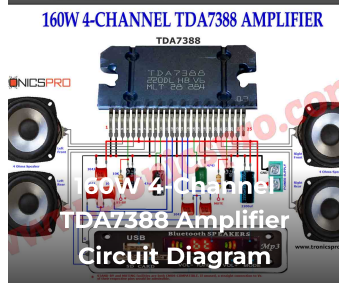
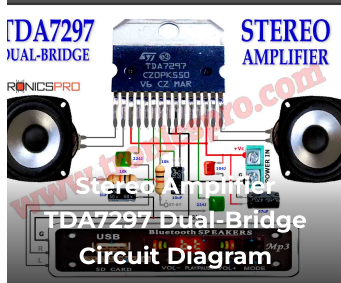
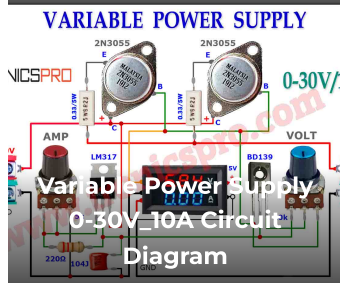
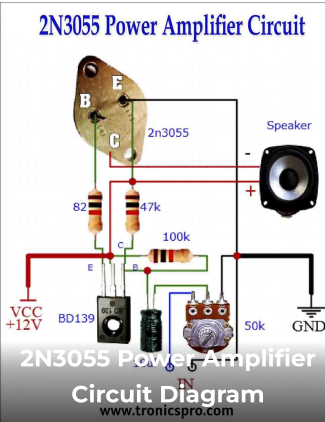
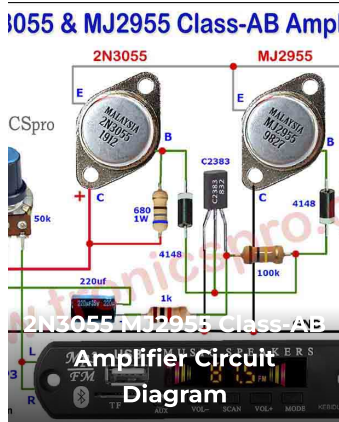
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TDA2030 Amplifier Circuit with Tone Control using 4558 IC

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More Circuit Layouts



List of components

used in C5200 Bass Amplifier DIY

- 2SC5200 transistor x 2
- BD139 transistor x 2
- BD140 transistor x 1
- 1N4007 diode x 2
- 4700uf capacitor x 1
- 3.3uf capacitor x 1
- 1k ohms resistor x 1
- 100~120k ohms resistor x 1
- 50k potentiometer x 1
- 12 Volts Power supply
- speaker 4 ohms
- Terminal Blocks x 3

Development images

used in C5200 Bass Amplifier DIY

First, take a large Heat sink where 4 transistors could easily be placed. First, fix 2 transistors 2SC5200 left and right sides then place 2 transistors BD139 & BD140 in the center. You must use (MICA) for proper insulation. The base plate should not touch with the heat sink as both transistors have opposite polarities and will cause a short circuit.

Image-1



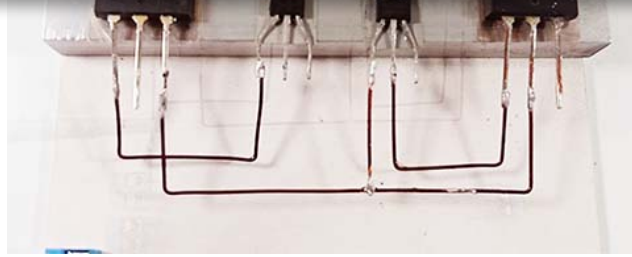


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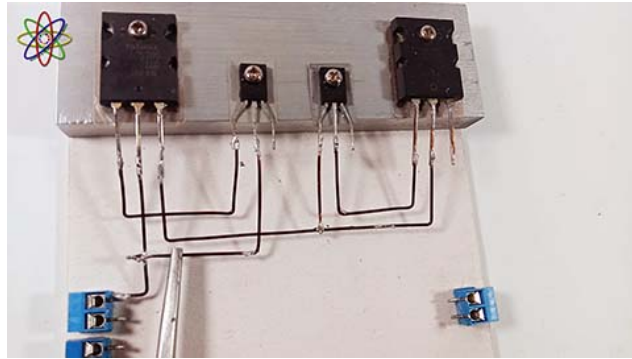


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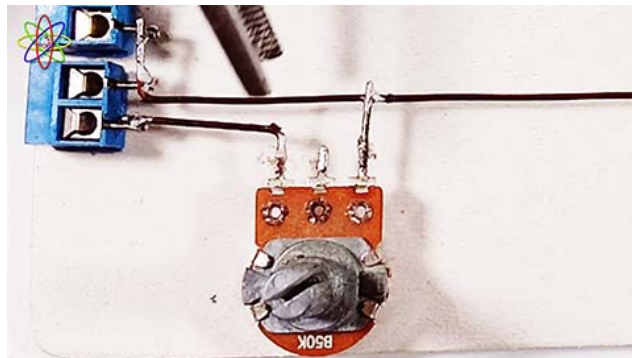


Image-4





Image-5



Image-6

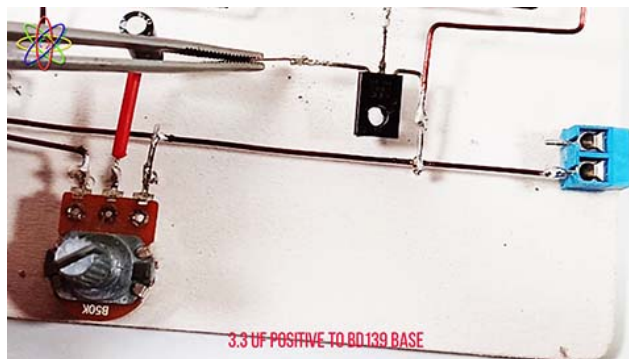


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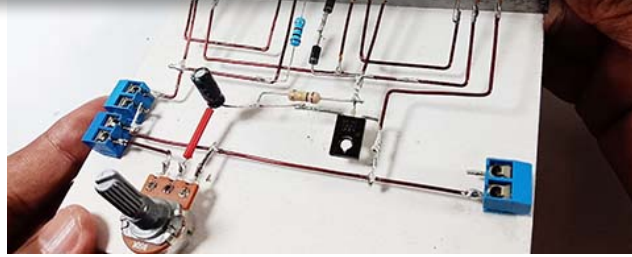


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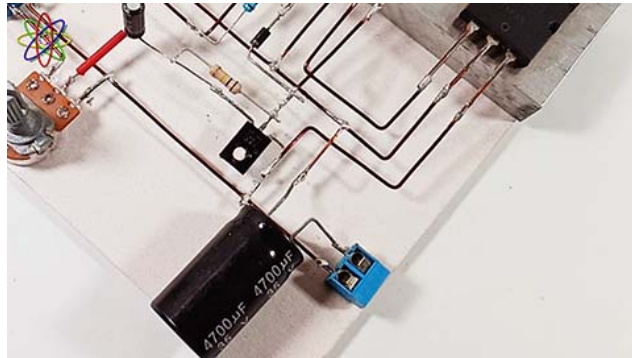


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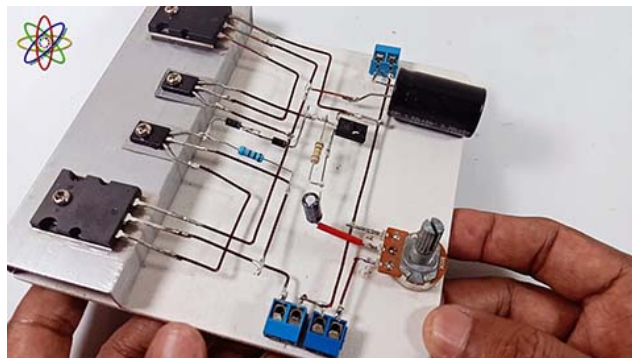


Image-10





Image-11

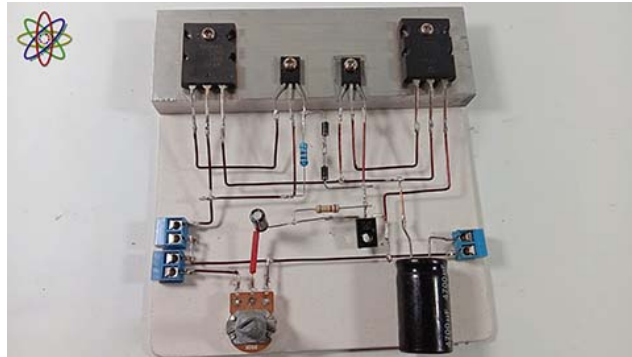


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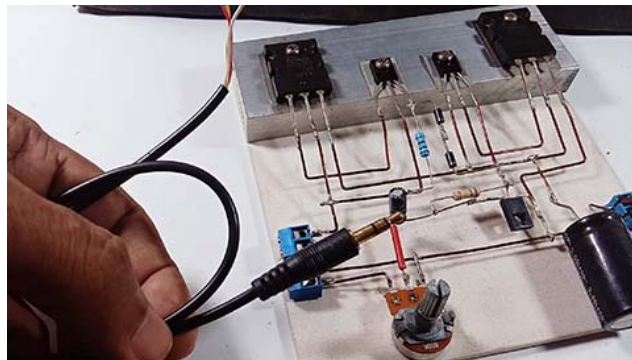


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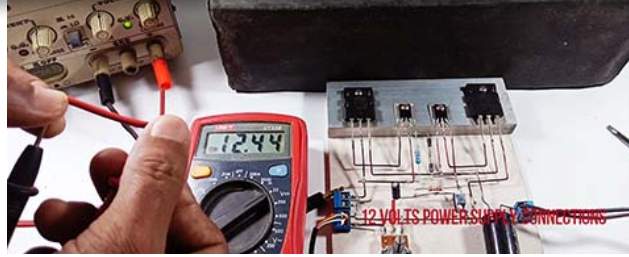


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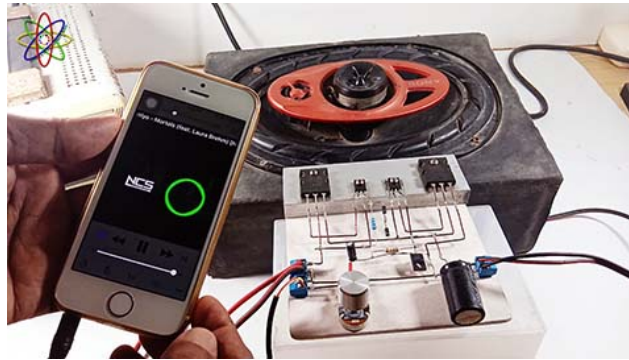
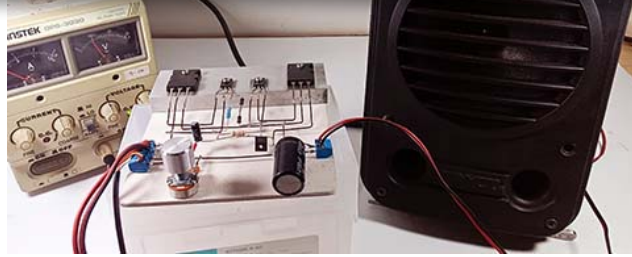


Image-15



Image-16





Conclusion

The C5200 bass amplifier is an excellent DIY project for anyone looking for a high-quality power amplifier for their bass guitar or music system. This amplifier delivers clear and distortion-free sound and is built using readily available components. The use of 2SC5200 transistors and BD139 and BD140 transistors ensures a stable and reliable power supply for the amplifier. So, if you are looking for a DIY project to upgrade your music system, then the C5200 bass amplifier is definitely worth considering.

Thank you for visiting the article. Please share it with your friends and enjoy the project. Thank you.

