Subject: Scratchy Sound Of Turntable
Posted by Groot on Wed, 14 Nov 2018 16:41:58 GMT
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I was reading about the Vinyl Recording of Malfoy. What is the cause of the turntable having that scratchy sound? If that happens, what can be the solution for that?

Subject: Re: Scratchy Sound Of Turntable
Posted by Wayne Parham on Wed, 14 Nov 2018 21:59:56 GMT
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A record player is a mechanical recording device. It converts the grooves on the disk to mechanical movements of the stylus to an electrical signal out of the cartridge which is developed at the amplifier and sent onto the speakers. The speakers then do all that in reverse; They take an electrical current, transform it into a magnetic field that interacts with its built-on magnet, which creates movements of the speaker cone and those vibrations are transmitted through the air as sound.

In all those transformations, there are some inaccuracies and distortions that can come into play. So noise can be introduced at any place along the line. But the one most common is the obvious thing: Dirt and scratches on the record disk itself. That's what makes the pops and clicks people associate with old vinyl recordings. It's also who vinyl enthusiasts are so careful about how they clean and store their record collections.

Subject: Re: Scratchy Sound Of Turntable
Posted by gofar99 on Wed, 14 Nov 2018 22:21:03 GMT
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Hi, I agree with Wayne. Most of the problems arise from poor condition of the records. Fortunately a good cleaning can fix many of them.

Subject: Re: Scratchy Sound Of Turntable
Posted by Groot on Mon, 19 Nov 2018 21:50:35 GMT
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Thanks Wayne. Now I understand why the record players I see in real life have a cover because the ones I see in the movies don't have a cover.

Is the mechanism of the CD/DVD similar to the record player?

Subject: Re: Scratchy Sound Of Turntable
Posted by gofar99 on Sat, 01 Dec 2018 22:47:40 GMT
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Hi, About half the time it is grunge on the record and can be cleaned. The other half is either a bad cartridge/stylus or actual damage on the record from a bad cartridge/stylus. Even when there is damage it is sometimes possible to get a new cartridge with a stylus that has a smaller radius (like a micro ridge one) that will reach further into the grooves and extract decent sound. That however can be a costly solution.