

## Parts of the Phono Cartridge and General Care Instructions



The part circled above is the stylus. It is a small diamond (sometimes ruby or sapphire) that is bonded to the cantilever that traces a record groove.



The next part, most commonly referred to as "the needle", is technically the cantilever. It should never be physically handled, pulled, touched or pressed. They are incredibly delicate and ANY damage to it will require a replacement stylus.

If the stylus is ever visibly dirty with lint, dust, hair or fuzz, a stylus brush is recommended to safely clean the tip without causing damage to the cartridge. They are constructed of very fine, carbon fiber bristles that will not harm your records or cartridge. NEVER use your finger or a cloth to clean the stylus. This will likely cause the cantilever to fall out and put your turntable out of commission until a replacement is purchased.



Pro-Ject Brush-it is designed to clean your records before listening. Use this brush while the platter is spinning and let the platter rotation do the work for you. This will lift debris that is on the surface of your record and inside the grooves.

Pro-Ject Clean-it is our stylus brush. It is used to remove common debris build up on the stylus tip. Start with the brush under the stylus at the rear and gently pull towards you in a soft, sweeping motion until clean. This will help reduce static pops, crackles and possible distortion when listening to your records.

There are two main parts that make up a moving magnet (MM) cartridge.

The **cartridge body** attaches to the tonearm with two screws and has four pins on the back of it. These pins are sending the detail from the cartridge, through the tonearm wires, to the RCA jacks/din connector of your turntable to be amplified by your stereo. The **replacement stylus** fits snugly on the front of the cartridge and houses the cantilever "needle" and the stylus tip.

The replacement stylus is the only piece designed to be removed from the cartridge and should ONLY be removed when there is noticeable, physical damage or you are upgrading the stylus. Issues such as audio distortion, low signal, unequal channel gain or poor tracking performance would all be reasons to investigate replacing a stylus or reevaluate your turntable setup. It is preferred that the customer reach out to their dealer to confirm if a replacement may be necessary.

To remove the replacement stylus, find the seam between the two pieces and hold the sides of the housing firmly between your finger tips. Pull out and slightly downwards, following the angle of the cartridge body. You may need to use the tip of your fingernail or a gentle wiggle to get the separation started but there should be little resistance during the removal. Slide on the replacement stylus and you'll be back in business!



Thank you from SONOS and Pro-Ject and enjoy the music!