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## Audio technica 120 cartridge

0 In this article, I will review the top 5 cartridge upgrades for Audio-Technica AT-LP120-USB. Then I'll pick the one I think is the best one to replace the original AT95E cartridge on my AT-LP120. I've spent a lot more hours lately than I like to admit on research and discussion about what will be the best cartridge upgrade for my Audio-Technica AT-LP-120. I wanted to explore if there was a way to significantly increase the sound performance of my AT-LP120 without breaking the bank completely. And upgrading the cartridge for me is the obvious first step to significantly improving the sound performance of the LP120. Like the cartridge heart and soul of a turntable. The price range I chose for my research is from about \$150 to about \$300. I think cartridges under \$150 will give a small upgrade from the stock AT95E cartridge to give the AT-LP120 a bump in the sound performance I'm looking for. And I think ins above \$300 might become too expensive for a record player that costs about \$300. So \$150 to \$300 seems like a good sweet spot. Also in this price range seems to be most of the most popular cartridge upgrades for the AT-LP120. ok. Let's get back to the question. What's the best cartridge upgrade for audio-technica AT-LP120 between \$150 and \$300? First, let's narrow it down to the top five. Here's what I found. The top 5 cartridge upgrades for Audio-Technica AT-LP120 are: Audio-Technica VM530EN (AT120E)Denon DL-110Audio-Technica VM540ML (AT440MLa/b) Orthophone 2m Blue Grado Prestige Gold In the parts below, I will take a closer look at each cartridge in the list above. And then I'll pick the one that stands out as the best candidate for my AT-LP120 cartridge upgrade. But before I do, let's talk briefly about the AT-LP120 and its standard cartridge with which it is sold. AT-LP120 with AT95E ino when I first bought this turntable, I wasn't entirely happy with it. Mechanically, the LP120 is an amazing piece of kit for a price when it comes to the perceived quality and weight of workmanship. As an electronics engineer who designed consumer electronics for a living, I just can't wrap my head around how they manage to sell this for such a low price. But when it came to sound and sound performance, the AT-LP120 sounded a bit dull, dark and muffled to me. It didn't give music the vibrancy and openness I had hoped for. In addition to my turntables, my stereo lineup consists of a Denon PMA-1600NE Stereo receiver (\$1,600) and a B&W 705S2 speaker (\$2,100). Stereo should be good enough not to be outplayed by the AT-LP120. Good enough for at-LP120 to be reasonably honest... Unfortunately, the at-LP120 from the beginning did not fully meet my (very high) expectations. Long story short, I later upgraded my turntable to Rega Planar 2. That was more than double the price of the AT-LP120. And, as we might expect from a more expensive turntable, it sounded a little better. (My Rega Planar 2 turntable also recently received a cartridge upgrade. You can read all about this process in this article.) But now I understand that the AT-LP120 is a very good foundation for a awesome HiFi turntable. If you're willing to spend some time and money on modifying and upgrading. Maybe I was a little too quick in upgrading to Rega Planar 2? AT-LP120 just get a tremendous amount of love in the turntable community. And there has to be a reason for that. So my plan right now is to spend the time and money needed to get the most performance out of my AT-LP120. Let me see if I can fall in love with it. And it all starts with a decision on the right cartridge. By default, the AT-LP120 comes with an AT95E infloy that typically sells for about \$50. It is very considered a good put-in for the price. But there is certainly a lot of sound performance left on the table that can be used by upgrading to a higher quality cartridge for the AT-LP120. The second major upgrade/modification (excluding cartridge) that will help to increase the AT-LP120 to the next level in sound performance is the well-known internal preamp mode. Or preamp removal mode. So I plan to do a preamp removal mode along with upgrading the cartridge. For a fantastic video showing the complete at-LP120 premeditation removal process, watch Vinyl TV's guide on YouTube by clicking here. (Update: I have now performed preamp removal mode on my LP120. At the end of this article you will find a link to that article.) The top 5 cartridges for the AT-LP120 below is a review of what I found to be a top 5 cartridge for the AT-LP120. (We will conclude at the best at the end of this article.) 1. Audio-Technica VM530EN (AT120E) Dual magnet (MM) cartridge with 0.3 x 0.7 mil elliptical nude pen. VM530EN replaces the discontinued AT120E. © 1996-2015, Amazon.com, Inc. or its affiliates Access to our website tells us that you agree to our use of cookies. However, you can change the cookie settings at any time. Find out more. The interrupted mobile magnetic cartridge 0.3 x 0.7 mil bare knee elliptical precision polished diamond para-toroid coil, long recognized for its high efficiency, is used here for the first time in the production of cartridges. The result is a series characterized by a uniform response and performance without distortion. Gold-plated connectors ensure maximum energy transfer. Superior channel recording and separation are achieved through A-T Vector Aligned Dual Magnet design. Access to our website tells us that you agree to our use of cookies. However, you can change the cookie settings at any time. Find out more. The abolished AT120Eb cartridge has been discontinued. See VM530EN Move magnet cartridges. Vector-Aligned Dual Magnet design and A-T's exclusive paratoroid signal generator. .3 x .7 mil elliptical. Total coil impedance: 3,200 ohms at 1 kHz DC resistance: 800 Coil induction (mH, 1 kHz) : 490 Dynamic compliance (x10-6 cm / dyne) : 10 Static compliance (x10-6 cm / dyne) : 35 Vertical tracking angle : dimensions of 20 degrees (mm) : H 17.3 x W 16.0 X D 28.2 Weight (g) : 6.5 Cartridge & Stylus Frequency Response 20-25,000 Hz Channel Separation 28 (dB to 1 kHz) Vertical tracking angle 20 degrees Vertical tracking power 1.0-1.8 grams This item does not belong on this page. Thank you, we'll consider this. Get it by Wed, Dec 23 - Fri, Jan 8 from Nagoya, Japan

• State used • 30 days return - Customer pays return deliveryUsed and early stains for normal useOutput voltage: 4.0mV Corresponding stylus pressure: 1.0-0 1.8g Frequency characteristics: 20-25000Hz Needle shape: Solid oval needle 0.3 x 0.7 mil Weight: 6.5g VM type. Please contact us whenever you have questions. See details - AUDIO-TECHNICA MM Cartridge AT120EB # c3823 AUDIO-TECHNICA AT-120Eb AT 120Eb AT120Eb Cartridge with moving magnet AT120Eb features Audio-Technica's vector-compliant dual magnet design and exclusive paratoroid signal generator. • Its high performance and unique signal generation paratoroid system consists of a unique, laminated coil wound with a single piece of wire. Internal mechanical and electrical connections are eliminated, thereby minimizing magnetic losses and ensuring better signal transmission. • The PCOCC coil allows you to transmit the signal cleanly as there is no grain limit in the direction of transmission. Outstandingly crafted, the 120Eb phono cartridge provides musical enjoyment far beyond its price range. After about 100 hours of break-in, you'll enjoy its crystal heights, cohesion, wide sound stage and narrow bass. Audio Technica AT120EB Phono Cartridge Specifications - Type: VM type (Dual Magnet) stereo cartridge - Output voltage: 4.0mV - Frequency response: 20 ~ 25,000Hz - Channel balance @ 1kHz: 1.0dB - Channel separation @ 1kHz/10kHz: 28/20dB - Tracking Force: 1.0 - 1.8g (1.4g standard) - Coil Impedance: 3.2 kΩ (1kHz) - Direct Current Resistance: 800 Ω - Load Impedance: 47 kΩ - Coil Inductance: 490 mH (1kHz) - Load Capacitance: 100 ~ 200pF - Static Compliance: 35 × 10-6cm/dyne - Dynamic Compliance: 10 × 10-6cm/dyne (100Hz) - Stylus shape: 0.3 × 0.7 mil Nude Elliptical diamond - Stylus construction: Nude round shank - Cantilever: Aluminum pipe - Vertical Tacking Angle: 20° - Dimensions: H17.3 × W16 × D28.2 (mm) - Weight: 6.5g - Accessories included: Non-magnetic driver × 1, washer × 4, nut × 2, cartridge installation screws 5 mm × 2 and 10 mm × 2, hexagon nut × 2, brush × 1. 1.

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