

FLUANCE®

Stylus Replacement/Upgrade Guide

Introduction

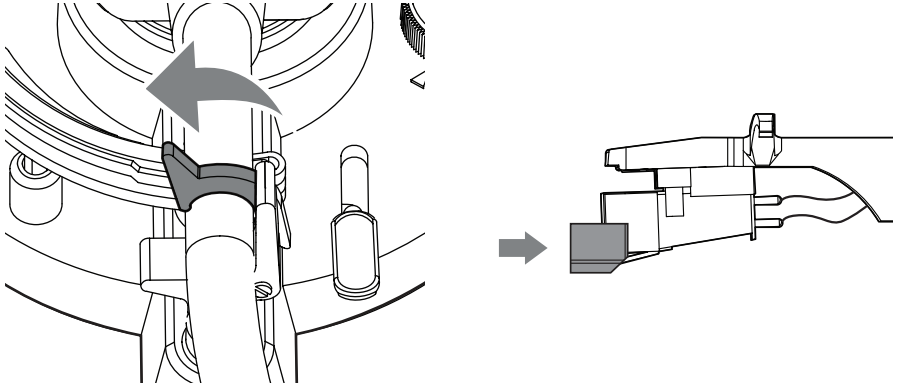
This guide is meant to assist in the installation of different cartridges on a Fluance Turntable. A step by step video of this process is also available on www.fluance.com.

Parts Needed

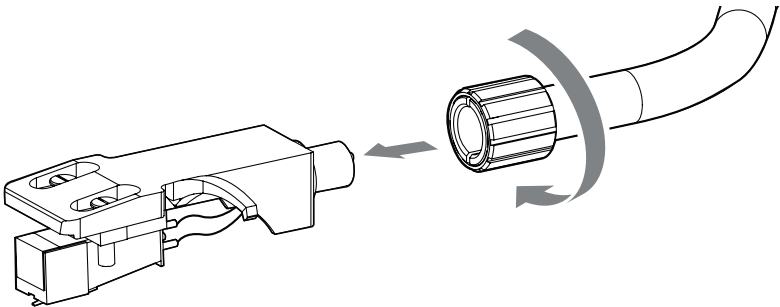
- Headshell
- Cartridge
- Mounting Hardware
- Cartridge Alignment Protractor
- Mini Flat-Tip Screwdriver
- Needle Nose Pliers

A. Removing the Installed Cartridge

1. Secure the tonearm and install the stylus protector to prevent accidental damage to the stylus.

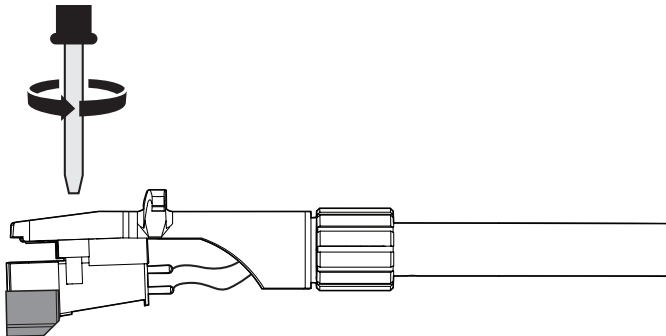


2. Loosen the locking nut and remove the headshell from tonearm

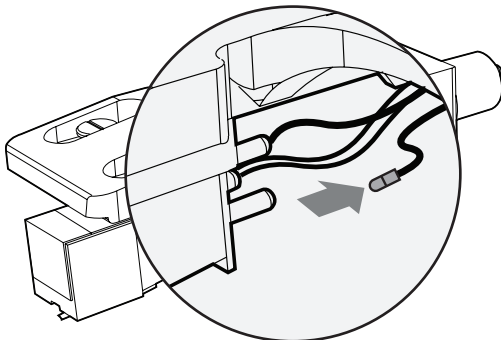


Note: Step 3 and 4 can be skipped if using a spare headshell for the new cartridge. Fluance headshells are available at: www.fluance.com/turntables.

3. Use the flat-tip screwdriver to loosen the screws on top of the headshell and remove the cartridge.



4. Using the needle nose pliers carefully disconnect the wires from the cartridge. Once fully disconnected store the cartridge and screws in a safe location.

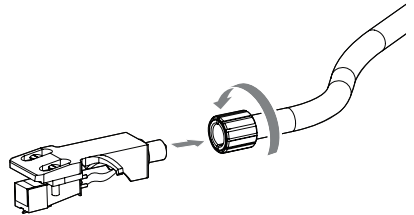
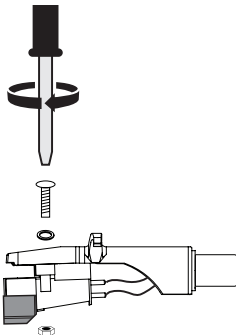


B. Mounting Your New Cartridge

1. Connect the headshell wires to the posts on the cartridge. Ensure the correct color is connected to the correct post.

Wire	Channel
White	Left (+)
Blue	Left (-)
Red	Right (+)
Green	Right (-)

2. Position the cartridge mounting holes under the slots on the headshell. Using the screws provided with your cartridge, affix the cartridge to the headshell. Do not over-tighten.
3. Reinstall the headshell on the tonearm.

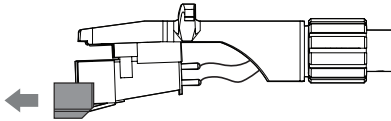


C. Balancing the Tonearm

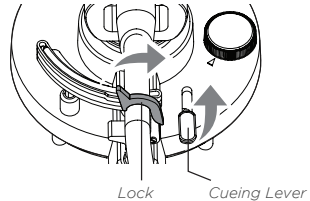
Important!

Complete all steps for balancing the tonearm. Incorrect tonearm balancing can cause damage to the stylus and to your records. For additional assistance go to: www.fluance.com/support to watch a tutorial video for this process.

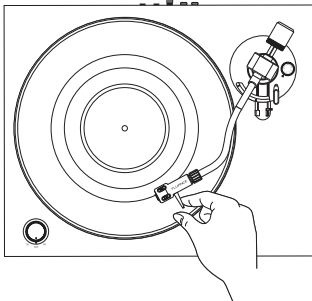
1. Remove the stylus protector.



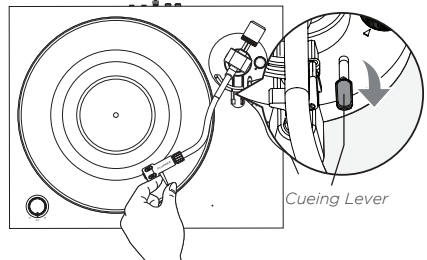
2. Unlock the tonearm and lift the cueing lever.



3. Position the tonearm over the platter.

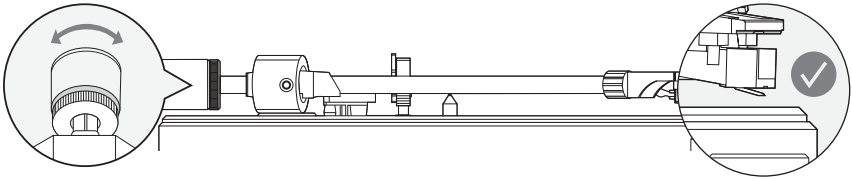


4. Hold the headshell and lower the cueing lever completely. Protect the stylus from touching the platter.



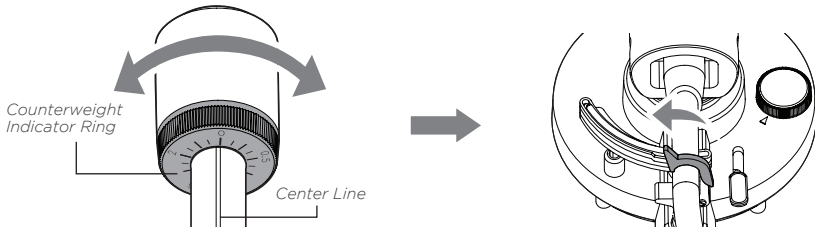
C. Balancing the Tonearm (Continued)

5. With the cueing lever now lowered, turn the **entire** counterweight until the tonearm is balanced and floating horizontally when headshell is released.



Tip: When balancing the tonearm make sure the cueing level is down.

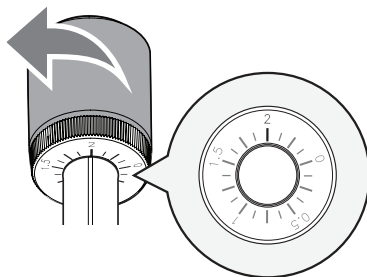
6. Set only the counterweight indicator ring to “0” on the center line while keeping the tonearm balanced then lock the tonearm on the tonearm rest.



D. Setting the Tracking Weight

1. Rotate the entire counterweight counterclockwise until the indicator is set to the recommended tracking force of the new cartridge.

Example: The ATN95E uses 2.0 gram tracking force.



Tip: When setting the counterweight make sure you are turning the entire weight and not just the counterweight indicator ring.

E. Aligning the Cartridge

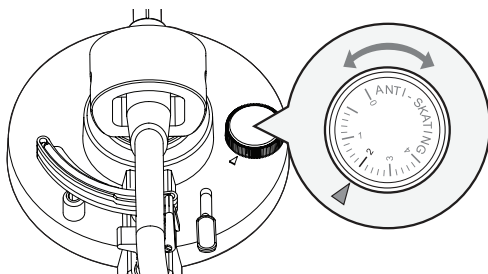
Correct cartridge alignment ensures the stylus is positioned properly relative to the grooves on the record. Incorrect alignment can cause distortion and can also cause unwanted wear and tear on your stylus.

To properly align your cartridge, use the Fluance Stylus Alignment Protractor available on: www.fluance.com

F. Confirm the Tracking Weight and Setting Anti-Skating

Balance the tonearm a final time and confirm the tracking weight is still set correctly. Once confirmed adjust the anti-skating control to the same number as the tracking weight of the new cartridge.

Example: If the tracking weight is 2.0 grams the anti-skating control should be set to 2



Conclusion

Your new cartridge should be properly installed and ready to go. This guide is designed to help users replace or upgrade their turntable stylus.

For more information and other Fluance turntable accessories visit:
www.fluance.com/turntables

Frequently Asked Questions

How do I determine the tracking weight for my new cartridge?

This information should be included with the product documentation for your new cartridge. If necessary you should contact the cartridge manufacturer for this information.

What is the break in period for a new stylus?

Different manufacturers recommend different break in periods for their models. Contact your cartridge manufacturer for more information.

What do I do if my new cartridge is outside the supported cartridge weight range?

Heavier or lighter counterweights can be used to increase or decrease the supported cartridge weight. Visit www.fluance.com/turntables for the latest Fluance Turntable accessories.

What is VTA and can I adjust it?

VTA refers to Vertical Tracking Angle and refers to the angle of the cantilever/stylus to the record surface. Depending on the height of the cartridge, the angle of the cantilever will change. The standard VTA for turntables is between 20° and 30°. Fluance turntables do not have an adjustable tonearm height so it is important to select a cartridge with a height close to the height of the original cartridge (17mm).

What cartridges are compatible with Fluance Turntables?

There are a lot of factors to consider when determine compatibility and there are many brands and models to choose from. Use the below turntable specifications to research which cartridges would work with your turntable.

Classic and Elite Turntables (RT80/RT81)	
Supported Cartridge Weight	3.5 to 6.5 grams
Effective Tonearm Mass	28.2 grams
Overhang	19.2 mm
Effective Tonearm Length	224 mm
Headshell Cartridge Mount	Half-inch Mount
Fluance Headshell Weight	10.7 grams

Reference Turntables (RT82/RT83/RT84/RT85)		
Supported Cartridge Weight	5.0 to 7.5 grams	
Effective Tonearm Mass	RT82	21.78 grams
	RT83	27.5 grams
	RT84	
	RT85	
Overhang	19.2 mm	
Effective Tonearm Length	224 mm	
Headshell Cartridge Mount	Half-inch Mount	
Fluance Headshell Weight	9 grams	

Fluance.com