



AERO

TECH-NOTE

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Pickup Setup Height - Alnico 2

This information is **only** for **Aero Pickups** with **Aero Alnico 2** magnet materials.

The distance between string and pickup is set as follows:

Exposed Pole Pieces:

1. **Depress the string at 12th fret of instrument.**
2. **Measure distance from bottom of depressed string to top of magnet (pole piece).**
3. **Adjust pickup so this distance is 3/32" (2.5mm).**

Unexposed Pole Pieces (not recommended for Alnico 2):

If the pole pieces are unexposed, you must compensate for the cover top thickness by subtracting it from 3/32" (2.5mm) to obtain the correct setup height. This setup height is from the bottom of the depressed string to the top of the cover.

Covers manufactured by **Aero**, for pickups with unexposed pole pieces, have top thicknesses of 0.050" (1.25mm), i.e. a setup height of 0.04375" (approximately 3/64" or 1.10mm), which will probably cause the string to rub on the cover when played, and is why **Aero** doesn't recommend Alnico 2 for unexposed pole piece pickups.

Note: setup height places the pickup into the "**window**" where it will sense the string correctly. The "window" has a small opening, approximately $\pm 0.015"$ (0.40mm), within which the pickup can be adjusted for taste. **Aero Alnico 2** Pickups adjusted **too close** to the string will put the string into a stronger part of the magnetic field, and the effect on the output will sound like a **warble** as the string decays prematurely due to the magnetic field. **Aero Alnico 2** Pickups adjusted **too far** from the string will **lose bass response**.

Lastly.... This technique is recommended for **Aero Alnico 2** Pickups, and always works with our products... it isn't recommended for any other brand. Other setup methods may work just fine, let no one feel left out, but please consider, these instructions are designed to help you make **Aero Pickups** sound their very best.