



### Pickup Setup Height - Alnico 5

This information is only for **Aero Pickups** with **Aero Alnico 5** magnet materials.

The distance between string and pickup is set as follows:

#### Exposed Pole Pieces:

1. **Depress the string at 12<sup>th</sup> fret of instrument.**
2. **Measure distance from bottom of depressed string to top of magnet (pole piece).**
3. **Adjust pickup so this distance is 5/32" (4.0mm).**

#### Unexposed Pole Pieces:

If the pole pieces are unexposed, you must compensate for the cover top thickness by subtracting it from 5/32" (4.0mm) 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 0.106" (approximately 7/64" or 2.70mm). We recommend this cover top thickness to all instrument builders, many of whom manufacture their own covers. For a cover top that is too thick (more than 0.050"), a correctly adjusted pickup will be too close to the string, and the string will rub the cover.

Note: setup height places the pickup into the "**window**" where it will sense the string correctly. The "window" has a small opening, approximately  $\pm 0.025$ " (0.60mm), within which the pickup can be adjusted for taste. **Aero Alnico 5 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 5 Pickups** adjusted **too far** from the string will **lose bass response**.

Lastly.... This technique is recommended for **Aero Alnico 5 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.