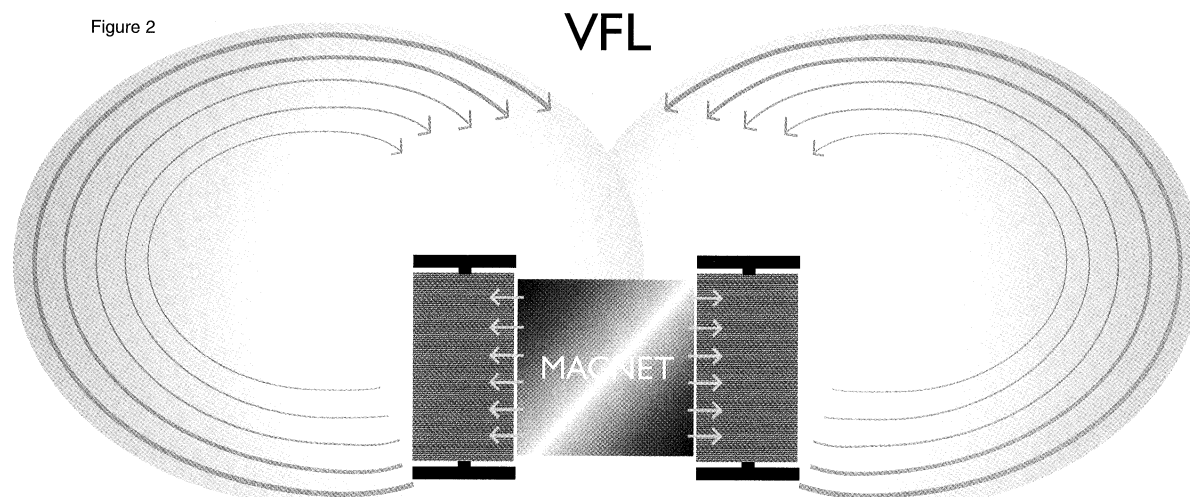


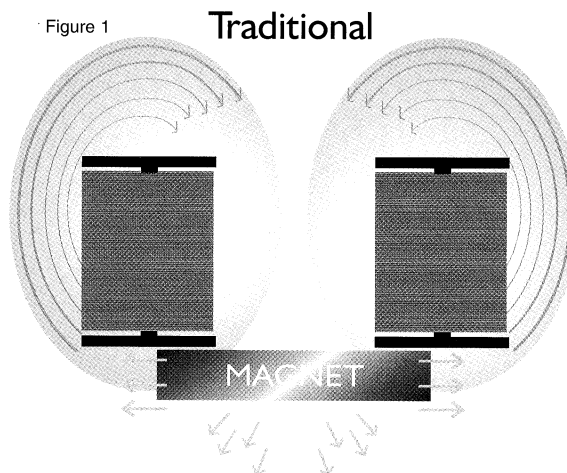
Figure 2



sitting under the pole pieces (figure 1), the magnet sits in between the pole pieces, thus eliminating any air gap between the magnet, the coil wire and the pole pieces. In short, the result is a very wide, but very sensitive, magnetic field. Instead of being magnetized very strongly at only the bottom of the pickup, the VFL magnetic structure allows the magnetism to

equally sense the pole pieces along the entire height of each pole piece (figure 2). Traditional pickups that are magnet-loaded have a very tall magnetic window, as we call it. Also, most conventional bass pickups rely on added turns of wire, and also increased magnet size, to yield a higher output. While conventionally designed bass pickups work very well, Peavey's VFL technology goes a step further. VFL's efficient magnet-to-coil design expands the frequency range of the coils, and also allows the player to tailor the tone through the use of the EQ, rather than using his amplifier for all of the EQ modifications. Since the VFL utilizes fewer turns of wire than other conventional pickups, your high end is increased, offering unparalleled presence and output, along with clean low end, very controllable mid-range and reduced noise due to the SMT technology used in the internal circuit board.

Figure 1



All Cirrus basses are equipped with Peavey-designed VFL™ (vertical flux loading) pickups. While VFL pickups have two coils of wire, as in conventional designs, the efficiency of the magnetic structure and also the reduction of magnetic loss increase the pickup's output and frequency range. VFLs are equipped with a vertical steel pole piece — one for each coil. The exceptional and unique difference of the VFL pickups is the magnetic structure. Instead of the magnet

VFL™ Reduced Inductance Design

What is reduced Inductance? The longer length of wire used to wind a pickup, the less high end you hear. This is due to the fact that inductance builds up. A simple way of explaining this is that trebles, or high end, have a hard time flowing through very, very long lengths of wire, so the high end starts to decrease because the highs don't travel as easily through these long lengths of wire. With VFL, the magnetic field circles the pickup like a very wide oval. We call this the "magnetic window." This "window" senses a much wider area than tra-

ditional pickups, thus producing better low and high end, especially when coupled with the reduced turns of wire. This is much the same principle as in an instrument cable that is very long; some high end is lost. A normal humbucking pickup has almost four times the inductance of a Peavey VFL. This means that the VFL pickup is four times as efficient as any normal-type active humbucking pickup. Also, VFLs are extremely sensitive to playing technique and very responsive to the touch. The harder you play, the more the VFL will react to the attack of your fingers or a pick.

W H A T I S V F L ?

VFL (vertical flux loading) pickups utilize a wide aperture magnetic system with air gap geometry. One centrally located magnet with two separated pole pieces and coils comprise the VFL pickup. The VFL pickup provides the magnetic field, which reaches out vertically towards the strings without overdamping them. The result is rich, full, warm sound with lively highs and great sustain. Also, the funda-

mental load inductance design provides for a wider bandwidth for the pickup. In other words, the tone of the guitar is not limited to the pickup but is chosen by the player at the preamp or amplifier for more flexibility and originality. Peavey couples the wide aperture pickup along with its increased magnetic efficiency and surface-mount technology to give you the best sound possible.