

INSTALLATION INFORMATION
EMG Models: 4SW, 5SW, 6SW
Electric Upright Bass Pickup Systems

4SW Shown

4SW, 5SW, 6SW Pickup Systems

The EMG-4, 5, and 6SW Pickup Systems are magnetic pickups for upright bass. An individual coil is provided for each string as well as a preamp for tone shaping and reducing noise. All systems feature a broad bandwidth and will drive any music amplifier and will sound especially good for recording when sent directly to the tape head preamp or electronic input without EQ. Each Pickup System includes a preamp that features a low-impedance output for flexibility. Cable length from each pickup is 6.5 inches (160mm) and the preamp is usually placed behind the fingerboard. A 9 Volt battery is required to power the system. There is no standard mounting system provided with these systems.

Notes about the 5SW:

The 5SW System has 6 coils, rather than 5. The coils are balanced against one another to reduce hum and buzz. In order to maintain the low noise of the system a 6th balancing coil is required. Known as the "Null" coil it is placed behind the fingerboard (hidden) on the same axis as the rest of the coils. The null coil does not contain a magnet and does not "pickup" anything, except noise.

Notes about the 4SW and 6SW:

Since these two systems have an even amount of coils, i.e. 4 and 6 a "null" coil is not needed.

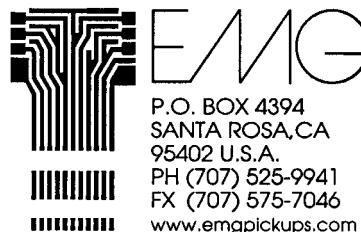
SPECIFICATIONS:

MODEL:

	4SW	5SW	6SW
Logo Color	None	None	None
Resonant Frequency (KHz)	4.5	4.5	4.5
RMS Output Voltage	1.0	1.0	1.0
Peak Output Voltage	1.40	1.40	1.40
Output Noise (dBV)	-90	-90	-90
Output Impedance (Kohm)	2	2	2
Current@ 9V (Microamps)	160	240	240
Battery Life (Hours)	2000	1500	1500
Maximum Supply (Volts DC)	27	27	27

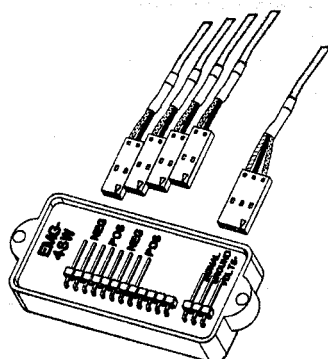
Warranty:

All EMG Pickups and accessories are warranted for a period of two years. This warranty does not cover failure due to improper installation, abuse or damage. If at any time a pickup fails to work, return it postage prepaid with proof of purchase. If upon examination the pickup is determined to be defective, a replacement will be made at no charge. Warranty replacement products are covered by this same warranty. This warranty covers only those pickups and accessories sold by authorized EMG Dealers. This warranty is not transferable.

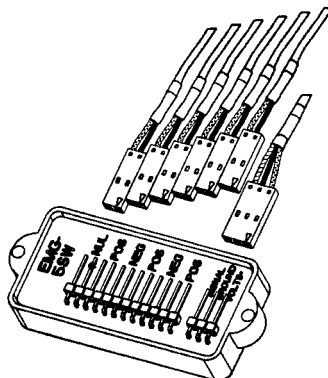


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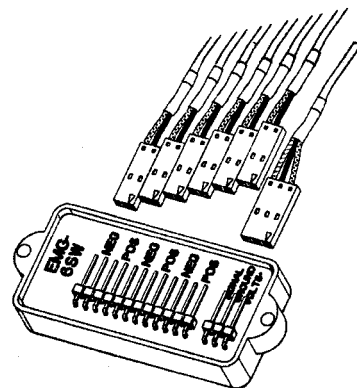
- 1) Only one battery is required for the pickups, and any active accessories such as the BTC, BTS, BQC, VMC, B30, and B64 equalizers. Two batteries wired in series for 18 volts is recommended to increase headroom and enhance performance for bass.
- 2) Use an Alkaline or Lithium battery for longest life.
- 3) The controls included with EMG Systems are 25K Ohm, Audio Taper. This value of control is required for the system to work correctly.
- 4) When installing EMG Pickups, DO NOT reconnect the bridge ground wire. This wire is usually soldered to a volume or tone control casing and goes to the bridge. This wire grounds the strings and uses them and your body as a shield against hum and buzz. It also creates a shock hazard. EMG Pickups are shielded internally and DO NOT require string grounding. This greatly reduces the possibility of reverse polarity shock from microphones and other equipment
- 5) EMG Active Pickups have very little magnetism compared to passive pickups. We recommend you adjust the pickups as close to the strings as possible. Sustain and string movement will not be inhibited by close adjustment.



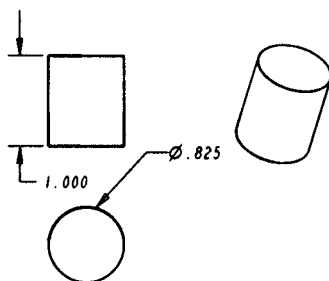
4SW Preamp



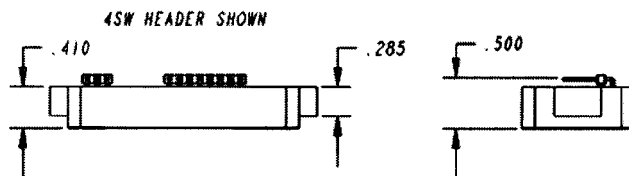
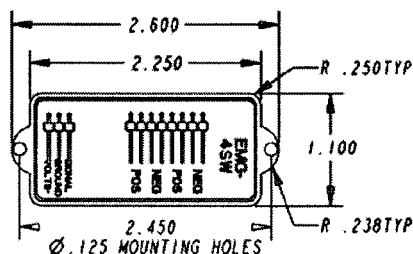
5SW Preamp
 Note "Null" input



6SW Preamp



Pickup Dimensions



Preamp Dimensions