



**INSTALLATION INFORMATION, DIRECT REPLACEMENT
EMG Models EMG-T & TC**

SPECIFICATIONS:

	EMG-T		EMG-TC	
	EMG-FT	EMG-RT	EMG-FTC	EMG-RTC
Logo Color.....	Gold	Gold	Silver	Silver
Resonant Frequency (Khz).....	4.85	3.7	5.3	4.35
RMS Output Voltage.....	0.52	0.75	0.6	0.7
Peak Output Voltage.....	1.5	2.1	1.7	2.0
Output Noise (dBV).....	-89	-90	-92	-91
Output Impedance (Kohm).....	10	10	10	10
Current @ 9V (Microamps).....	80	80	80	80
Battery Life (Hours).....	3000	3000	3000	3000

(Specifications shown are for Individual Pickups)

IMPORTANT INSTALLATION NOTES:

- 1) ONLY ONE BATTERY IS REQUIRED PER INSTRUMENT. ADDITIONAL ACTIVE COMPONENTS SUCH AS THE SPC, RPC, PI2, ETC. DO NOT REQUIRE AN ADDITIONAL BATTERY.
- 2) Use an alkaline battery, MN1604 or similar, 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 usually is soldered to a volume or tone control casing and goes to the bridge to ground the strings. 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 the like.
- 5) EMG Pickups have very little magnetism compared to High-Impedance type pickups. We recommend you adjust the pickups as close to the strings as is possible. Sustain and string movement will not be inhibited by close adjustment.
- 6) If your installation is different from the diagrams on the reverse side, ask your dealer for photocopies of the other instructions published for other EMG Models. It is highly possible another EMG Installation Sheet will have the diagram you require.

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. Interface electronics (controls, etc.) are not covered under this warranty. If at any time a pickup fails to work, return it postage pre-paid 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.



EMG

PO. BOX 4394
SANTA ROSA, CALIF.
95402 U.S.A.
(707) 525-9941

INSTALLATION AND WIRING

Controls:

- 1) Unscrew the control cover plate and lift it from the guitar body to expose the wiring harness. Cut the ground wire coming from the bridge to the casing of the volume control. It will not be reconnected. (SEE IMPORTANT INSTALLATION NOTES.)
- 2) Desolder (or cut) the existing pickup wires from the control harness.
- 3) Unfasten the knobs, the control nuts, selector switch screws, and the output jack nut. Remove the control harness from the control plate.
- 4) Place the EMG control harness into the control plate. Fasten down the controls and the selector switch. **Note:** Leave the jack unfastened at this time.

Pickups:

- 5) Remove the strings.
- 6) Unscrew and remove the pickguard from the guitar body.
- 7) Unscrew the bridge plate from the body and remove it with the bridge pickup intact.
- 8) Unscrew the bridge pickup from the bridge plate.
- 9) Place the EMG-T Bridge pickup into the bridge plate and fasten in place with the screws and springs provided.
- 10) Guide the bridge pickup output cable with the accompanying red wire into the control compartment from the pickup cavity.
- 11) Set the bridge plate with the EMG-T Bridge pickup installed back into the body and fasten the bridge plate into place. **Note:** Final height adjustment of the bridge pickup will be made with the strings on the instrument.
- 12) Unscrew and remove the existing fingerboard pickup.
- 13) Guide the EMG Fingerboard output cable with the accompanying red wire through the body to the control compartment from the fingerboard pickup cavity. **Note:** Some tele's are routed differently than others. It may be necessary to enlarge the front pickup cavity just slightly. This can be done quickly and easily with a Dremel® tool.

14) Reattach the fingerboard pickup into the body with the phillips head screws provided. **Note:** The fingerboard pickup height adjustment will be made with the strings on the instrument before replacing the pickguard onto the guitar body.

WIRING

- 15) Solder the braided section of the bridge pickup output cable to the volume control casing as shown in the diagram.
- 16) Solder the inner wire of the bridge pickup output cable (white) to the selector switch lug 4 as shown in the diagram.
- 17) Solder the braided section of the fingerboard pickup output cable to the volume control casing as shown in the diagram.
- 18) Solder the inner wire of the fingerboard pickup output cable (white) to the selector switch lug 8 as shown in the diagram.
- 19) Solder together the red wire from each pickup to the red wire from the battery clip (9 Volts+). Cover the connection with the heat shrink tubing provided.
- 20) Mount the output jack to the jack plate and fasten it down.
- 21) Connect the battery to the battery clip. Place it in the bottom of the control cavity. Cut a small piece of foam and place it over the battery so that it will not make contact with the control harness.
- 22) Place the control plate onto the body and fasten it down.
- 23) At this time, restring the guitar and adjust both pickups. Normal adjustment is to get the pickups as high as possible without touching the strings, or obstructing your playing technique.
- 24) Reattach the pickguard.

Make it a habit to unplug the instrument when not in use. This will turn the EMG System off, extending the life of the battery. To ensure high quality performance, replace the battery at six month intervals.

This completes the installation. If you have problems, contact the factory at the number above, service is readily available.

©EMG, Inc. 2001
All Rights Reserved

