



TAHOE

Model 3100

**SINGLE COIL
HI-PERFORMANCE PICKUP**

**FOR 6 & 12-STRING GUITARS
EASY INSTALLATION & REMOVABLE
ADJUSTABLE POLE PIECES • RICH NATURAL SOUND**



DEAN MARKLEY STRINGS, INC.

3350 Scott Blvd. #45 • Santa Clara, CA 95054
1-408-988-2456 • 1-800-800-1008 • Fax 1-408-988-0441
www.DeanMarkley.com • Email info@DeanMarkley.com
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The Tahoe™ super-sensitive, single-coil, magnetic, sound-hole pickup is one of Dean Markley's new state-of-the-art West Coast Series™ pickups.

Tahoe's special Qwik-Knx™ connector, located on the underside of the Tahoe™, was developed to allow the Tahoe's quick and easy installation or removal. And the Gold-Plated adjustable pole pieces allow for perfect string-volume adjustments.

Because Tahoe™'s Gold-Plated End-Pin Jack is a stereo jack, you can install a second passive pickup in your guitar for stereo applications. You could use a piezo pickup (Sweet Spot™ or Barstow™ by Dean Markley) and a Tahoe™, or use a microphone and a Tahoe™ together. Thus, you would use a stereo Y cable to send each pickup's signal to a different amplifier or "channel," setting each channel's tone independently. Use different effects on each pickup; you can get some fantastic sounds. Put a chorus pedal on one pickup and a flanger on the other. Try other ideas you think would create exciting sounds by using effect pedals.

Outstanding features of the Tahoe™ magnetic pickup:

- The Tahoe's special Qwik-Knx™ connector, located on the underside of the Tahoe™, was developed to allow for quick and easy installation or removal of your pickup.
- Adjustable Gold-Plated pole pieces to set each string's volume for any guitar or any gauge of strings
- Dean Markley's Gold-Plated Stereo End-Pin Jack provides greater conductivity for cleaner, clearer signal.
- Tahoe™ works perfectly with the Dean Markley Barstow™ bridge-saddle transducer. This transducer can be wired directly onto the second lug of the Gold-Plated stereo end-pin jack™. By wiring the second pickup onto the End-Pin Jack, you would then be able to enjoy dual pickup tones. And run them in stereo if desired.

Get ready to enjoy many years of pleasure from your new Tahoe™ acoustic pickup, one of Dean Markley's state-of-the-art West Coast Series™ pickups.

TOOLS NEEDED

- Variable speed drill
- 1/8" (3.175 mm) drill bit
- 3/16" (4.763 mm) tapered step bit
- 9/16" (14.288 mm) open end wrench
- #1 Phillips head screwdriver
- 3/32" (2.381 mm) Allen wrench
- Piece of string – 16" (40.64 cm) length
- 15/32" (11.906 mm) tapered reamer (optional)

INSTALLATION INSTRUCTIONS

Most guitar players realize that the investment in their prized guitar deserves a professional installation of the Tahoe™. Your full investment will be only a fraction more if you have your Tahoe™ installed by someone who is experienced in pickup installation.

You can install the Tahoe™ yourself if you have patience, care, and some knowledge of basic guitar mechanics. The Tahoe™ has been uniquely designed for simple installation and requires no soldering for ordinary applications.

NOTICE: Installer assumes all responsibility for damage to the Tahoe™ or guitar components. Be certain you read and fully understand all instructions. Have a clear, clean workspace to do the installation. Use tools in strict accordance with the manufacturer's recommendations and warnings. When in doubt, seek the advice of a qualified guitar specialist.

Read ALL directions thoroughly BEFORE starting installation!

Part I – Installing the Tahoe™ Gold-Plated Stereo End-Pin Jack™

Start by removing all of the strings, one at a time. **Don't cut your strings off unless you loosen them first.** The resulting jolt that the neck takes if the strings are cut before loosening is not good for the neck.

Important Note: If your guitar presently has a typical electrical End-Pin Jack™ in the end block, you may remove it and proceed to step 4 in Method Two.

Method One: [Preferred method] Done by hand; accurate but time consuming.

1. Remove the currently installed strap End-Pin.
2. With a 15/32" (11.906 mm) reamer, widen the hole size to 15/32" (11.906 mm). (Available from Stewart McDonald, 1-800-848-2273, part #4323.)
3. Proceed with Step 4 in Method Two.

Method Two: This method is much quicker and also works acceptably, but is not recommended for instruments with abalone or decorative veneers at the end block.

1. Remove the currently installed strap End-Pin.
2. Apply masking tape around exposed hole to protect the instrument's finish.
3. Using a sharp 3/16" (4.763 mm) tapered step bit, line up the End-Pin hole and begin drilling, keeping the step bit at a 90-degree angle to the guitar bottom. Use steady, even pressure. Allow the step bit to go all the way through the End-Pin block of the instrument, **ensuring the drill's chuck does not come in contact with the outside of the body of the guitar** so that the diameter of the hole is a continuous 15/32"—all the way through. **Allow the drill bit to come to a complete stop before removing from guitar.** Remove any particles of wood that may be left over.

4. The Gold-Plated Stereo End-Pin Jack™ is now ready to be installed:

4A. Remove the strap holder, smaller hex nut, and small inner-diameter, flat, silver washer from the end of the jack.

4B. Move the larger (9/16" / 14.288 mm) hex nut, lock washer, and flat silver washer on the End-Pin Jack™ assembly as far as it will go towards the wired end of the jack.

4C. Place the End-Pin Jack™ assembly inside the guitar and push through the end-pin hole. If this hole is difficult to reach, use a string threaded from the outside of the guitar and tie it to the End-Pin Jack™. Pull the string and jack through the hole.

4D. Screw the small inner-diameter, flat, silver washer and smaller hex-nut onto the smaller (in diameter) threads of the jack and tighten it firmly.

4E. Now is the time to tighten the nut on the inside of the guitar so the jack sets firmly in the end-pin hole. Hold the jack in place with the Allen wrench in the small hole at the outside end of the input jack. Tighten the nut with the (9/16" / 14.288 mm) open-end wrench (a little more than hand-tight - so it holds in place).

4F. Place strap holder over End-Pin Jack™ and tighten hand-tight.

Part II - Installing the Tahoe™ Sound hole Pickup

1. The Tahoe™ is now ready to be installed in the sound hole. Loosen the pickup clamps using #1 Phillips screwdriver. Attach the Qwik-Knx™ connector cable, which is located on the end of the cable from the End-Pin Jack™, to the male pins on the Tahoe™. **Make sure the green dot is facing you and the red dot faces the pickup. This will assure correct polarity.**

2. Place the pickup in the sound hole, moving it as close to the neck as possible and make sure that the pickup adjustment screws are centered with your strings.

3. Tighten screws until clamps start to grab. Be certain the pickup is secure so a jolt to the guitar or a bump to the case will not dislodge pickup. (This could easily scratch guitar if the assembly became loose.) So, during the life of the pickup, periodically check to make sure it is not loose in the sound hole due to vibration or weather changes.

4. Now is the time to determine if you need to install any of the flexible metal clips to keep any wires from rattling around in your guitar. If you find

that the wire is rattling, put a clip on the wire. Then position a clip inside the guitar on the top, or top of the sides, where the wire will not rattle. Remove the protective adhesive backing from the clip and press into place.

Note: The more time since the clips have been pressed into place, the tighter they will hold. So if you use only gentle movements with the guitar for a while, the clips will not move and the adhesive on the clips will have time to set firmly. Thus, they will adhere very tightly to the surface of the wood. Use your own discretion.

5. Replace your strings with a new set and tune up. You're ready to go!!

The West Coast Series™ is a line of superior acoustic products, built to enhance your acoustic guitar experience. The West Coast Series™ includes, among other things, Pickups, PreAmps, Cables, and Strings.

See the complete line of pickups and accessories of the Dean Markley West Coast Series™ Acoustic Gear™ at your local Authorized Dealer, or on the www.DeanMarkley.com web site.

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All specifications are subject to change without notice.
The Tahoe™ was designed and engineered by Dean Markley.