

## Read Me First!

Installation of this product is a simple procedure but is only recommended if you are an experienced repair technician.

Dry fit the Rare Earth Blend pickup and Tap Body Sensor BEFORE installing.

The Jon Gomm signature PowerTap Earth Pro System is the exact dual jack system installed in the Jon Gomm signature guitar - This product enables distinct outputs for each of the 3 pickup sources (Mag / Mic / Tap Body Sensor) using a TRS "Y" cable or the provided stereo adaptor.

Installing the second endpin jack included is optional. If you decide to only install the main output jack, all three signals will be available in a mixed mono output using a standard 1/4" instrument cable.

If you are not installing the second jack, remove the preamp cover and carefully unsolder the three wire connections (red / white / ground.) Remove the wire and replace the preamp cover and screw.

### Included Components:

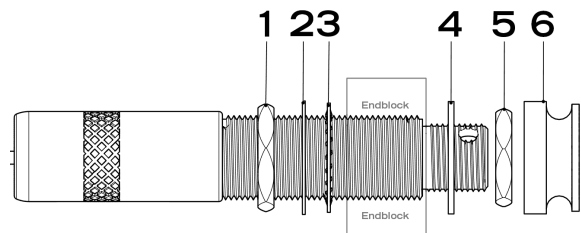
- Endpin Jack Mounted Preamp
- Second Endpin Jack (optional)
- Tap Body Sensor
- Soundhole Mounted Blend Module
- Rare Earth Mic Blend Pickup
- Battery Bag with adhesive-backed swatch
- Wire Clips

### Tools Required:

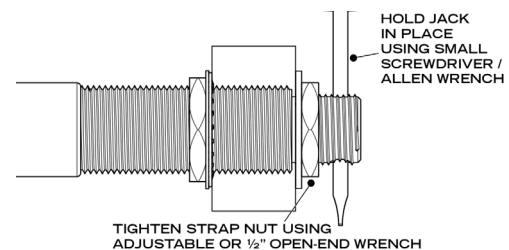
- Drill with 15/32" Drill Bit
- 1/2" Open-End Wrench (or Adjustable Wrench)
- Allen Wrench or Small Screwdriver
- Rubber-Tipped Pliers
- Rubbing Alcohol and Cotton Swabs
- Loctite™ Super Glue Gel Control
- Fine Grit Paper

## Installation

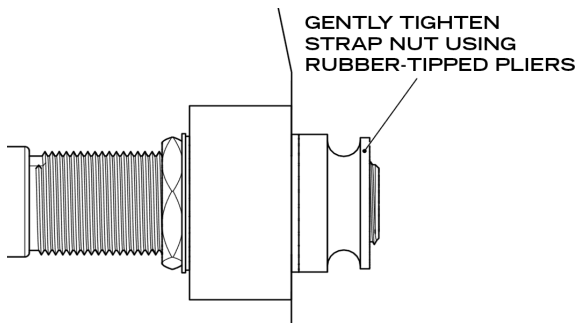
### Install Endpin Mounted Main Preamp



1. Drill a 15/32" hole at the desired location in the endblock of the guitar.
2. Place components onto the main output jack threading in this order (labeled above):
  - 1 - Large Hex Nux
  - 2 - Large Dress Washer
  - 3 - Star Washer
3. Place the jack into the hole created in Step 1 - The endpin jack should protrude at least 5/16" (7.9mm) and no more than 11/32" (8.7mm) outside the guitar's body.
4. Place components onto the threading OUTSIDE of the guitar's body in this order (labeled above):
  - 4 - Small Dress Washer
  - 5 - Small Dress Nut
5. Tighten the small dress nut using a 1/2" open-end or adjustable wrench - Hold the jack in place using an allen wrench or small screwdriver (pictured below) while tightening.

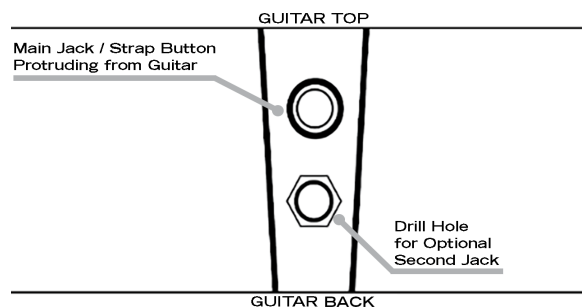


6. Add a strap button to the end of the threading - Gently tighten the strap button using rubber-tipped pliers - You should be able to see a thread or two extending past the strap button to allow for proper 1/4" plug retention.



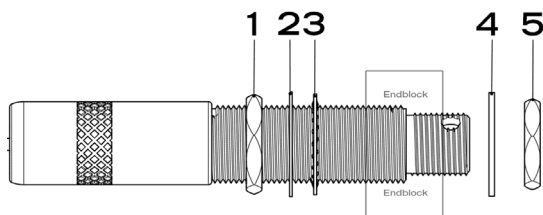
### Install Second Jack (If Applicable)

1. Take note of the main jack pointed out in the illustration below - If you decide to install the second jack, drill a 15/32" into the endblock, underneath the installed main jack.



2. Place components onto the output jack threading in this order (labeled below):

- 1 - Large Hex Nut
- 2 - Large Dress Washer
- 3 - Star Washer

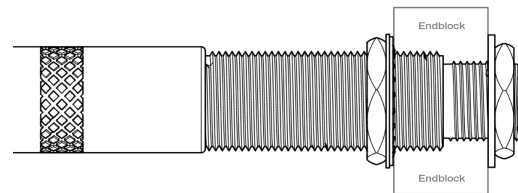


3. Place the jack into the hole created for the secondary jack - The jack should protrude far enough to allow space for the washer and nut.

4. Secure the jack by adding components to the threading OUTSIDE of the guitar's body (labeled above):

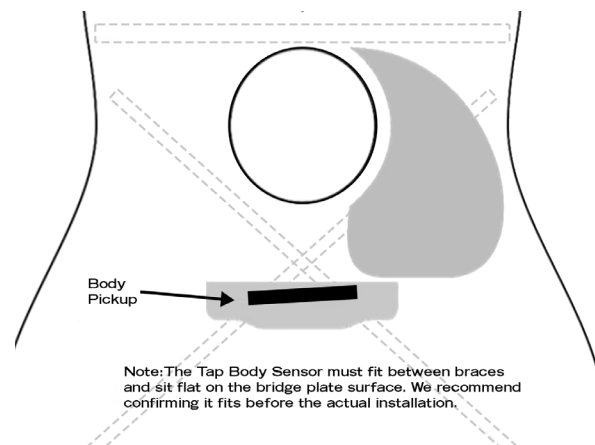
- 4 - Small Dress Washer
- 5 - Small Dress Nut

5. Tighten the nut using a 1/2" open-end or adjustable wrench - You should be able to see a thread or two extending past the dress nut to allow for proper 1/4" plug retention.

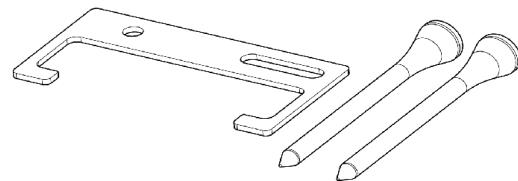


### Install Tap Body Sensor

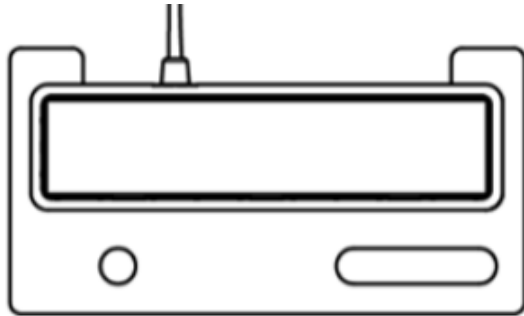
1. Ensure the bridge plate the body sensor will be mounted to is smooth and clean - Clean using rubbing alcohol. Area must be dry when installing.



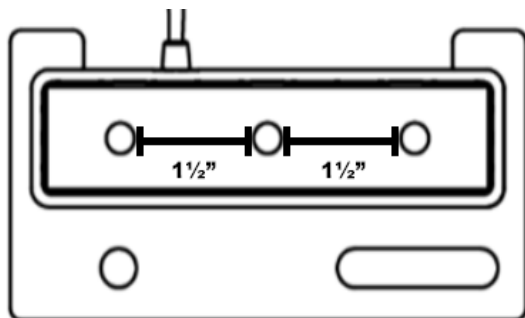
2. Collect the mounting tool pictured in the illustration below.



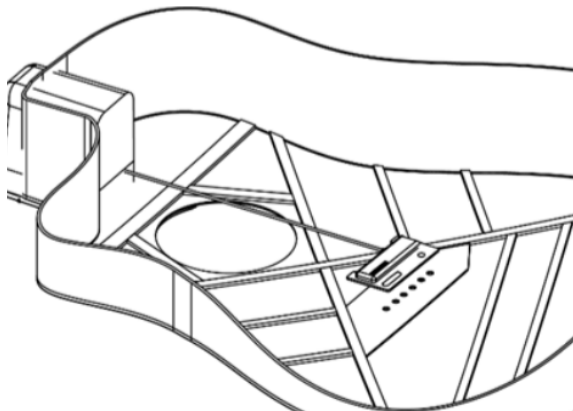
3. Insert the Tap Body Sensor into the mounting tool as pictured in the illustration below. It is recommended that you practice installing the sensor a few times before removing the paper backing.



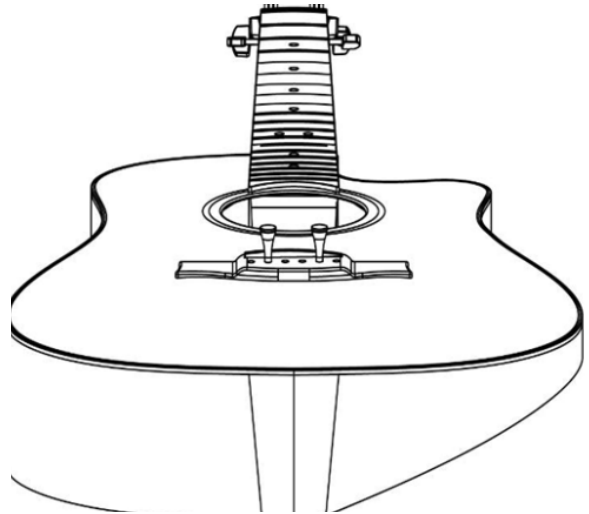
4. Remove the paper backing from the Tap Body Sensor - Place 3 small drops of Gel Type Cyanoacrylate (Super Glue) onto the Tap Body Sensor as pictured in the illustration below. Drops should be  $1\frac{1}{2}$ " away from each other.



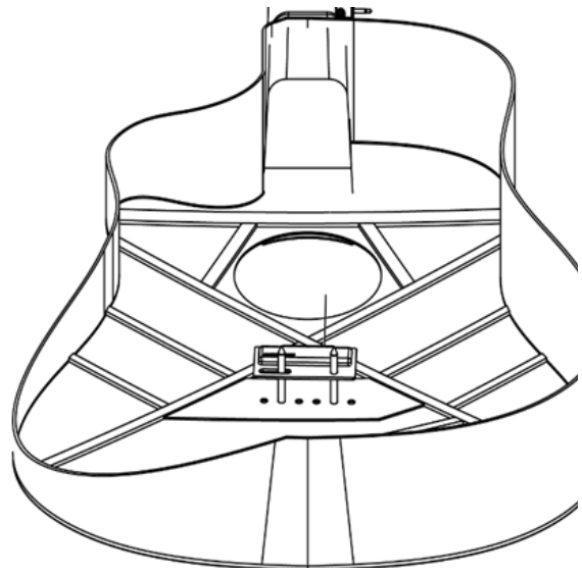
5. Align the holes in the mounting tool (with sensor inside) with the bridge plate holes inside of the guitar. Ensure the wire on the Tap Body Sensor is directed TOWARD the soundhole. Do NOT apply the mounting tool to the bridge plate yet.



6. Place the sharp end of the golf tee pins into the "A" and "B" string bridge holes as pictured in the illustration below.

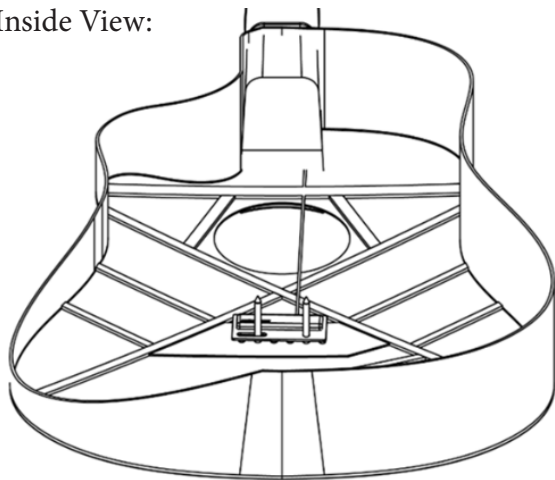


7. Place the golf tee pins through the holes in the mounting tool as pictured in the illustration below - The wire on the Tap Body Sensor should be directed TOWARD the soundhole.



8. Once the golf tee pins have been aligned with the "A" / "B" bridge holes AND the holes in the mounting tool, gently press the mounting tool against the bridge plate - HOLD the mounting tool against the bridge plate for 30 seconds.

Inside View:



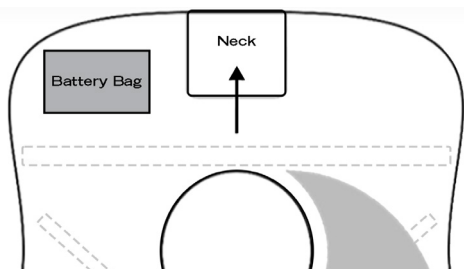
9. Remove the mounting tool and golf tee pins from the guitar.

Note: Secure the wires inside of the guitar using wire clips - Wire clip placement is subjective and intuitive. Ensure the areas where the wire clips will be attached are clean and free of dust / debris.

### Install Battery Bag

1. Determine the mounting location of the battery bag - The two most prominent locations are below the neck block, and the shoulder areas around the neck block. Our preference is the shoulder area around the neck block pictured in the illustration below.

2. Clean the area where the battery bag will be mounted with an alcohol wipe or cotton swab moistened with rubbing alcohol - Let the area dry. Dust / debris will compromise the adhesive.

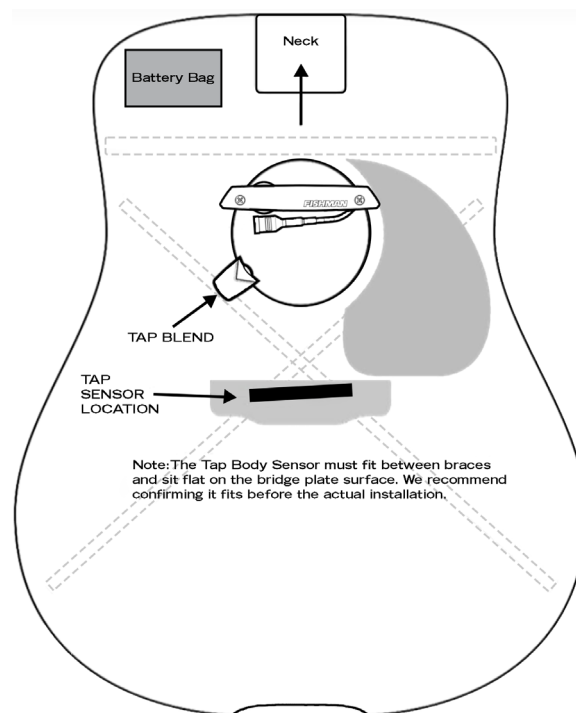


3. Separate the Battery Bag from the Hook and Loop patch. Remove the plastic film from the hook and loop patch and place it in the location determined in Step 2. Apply pressure to the entire patch, especially the edges, to ensure it is secured to the guitar.

4. Connect a 9v battery to the battery cable - Place the 9v battery into the bag. Press the bag firmly onto the hook. Wait for the adhesive to dry - Adhesive takes 24 hours to achieve a full bond.

### Install the Rare Earth Mic Blend Pickup

1. Position the Rare Earth Mic Blend pickup in the soundhole as pictured in the illustration below - Place the pickup as close to the fingerboard as possible, keeping it parallel with the fingerboard.



2. Tighten screws snugly but do not overtighten.

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