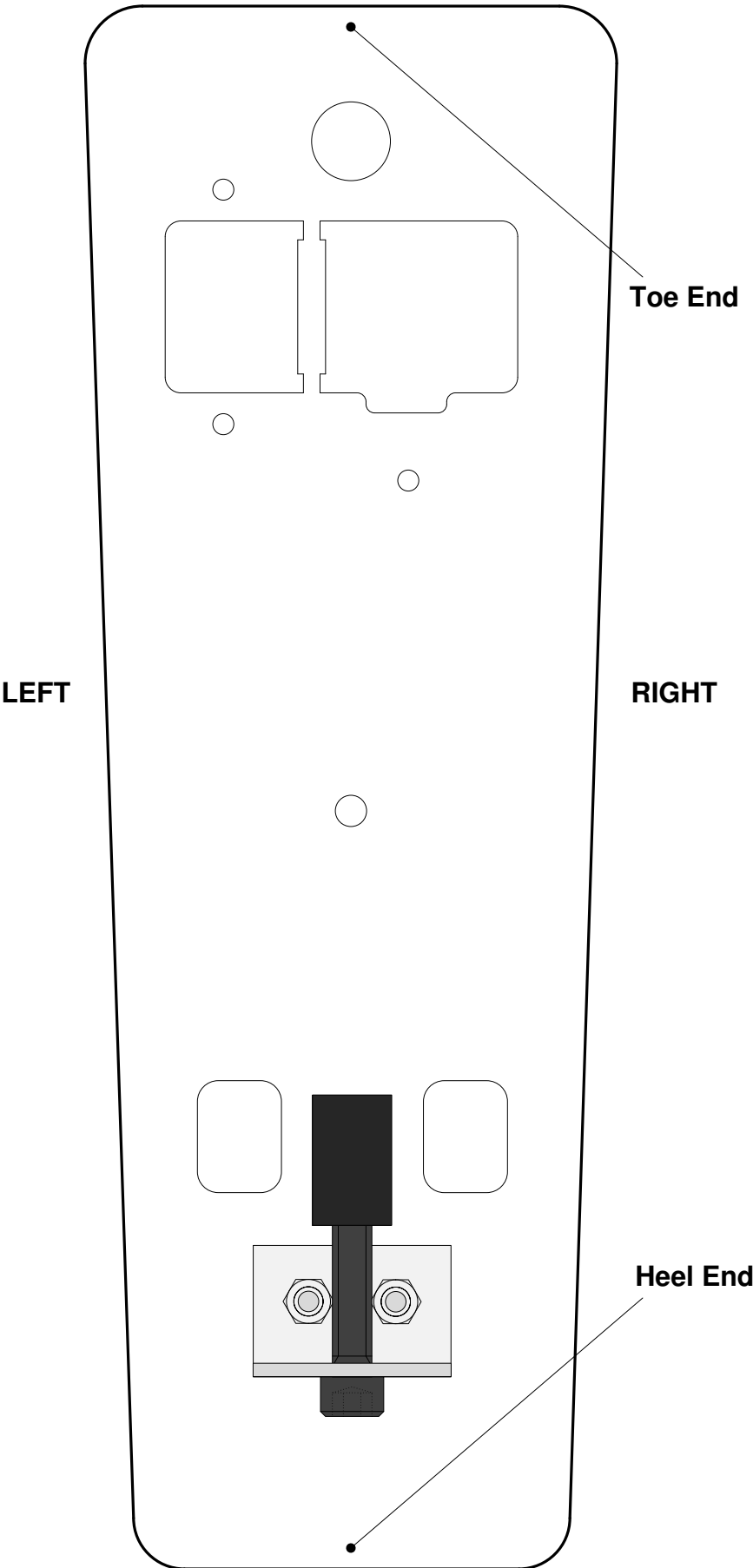


WAH PEDAL SHELL (P-HWAH)



WAH PEDAL SHELL ASSEMBLY INSTRUCTIONS

Tools and materials you will need to complete the assembly:

- Small metal file or medium to course grit emery cloth for clean off flash on some pedal surfaces
- A #1 or #2 point Philips screwdriver
- A 5 mm Allen wrench to tighten the tension adjustment screw
- Hammer and center punch
- Alcohol or acetone to clean the surfaces where rubber parts will be mounted
- Contact cement or other adhesive to secure the tread and pedal bumpers

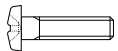
PARTS LIST

Rack Assembly Parts:

Rack (1)



Small Screw (1)
(M3 x 0.5, L = 12 mm)



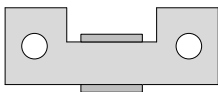
Hex Nut (1)
(M3 x 0.5)



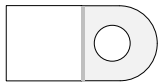
Lock Washer (3)



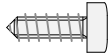
Rack mount (1)



Rack Tensioner (1)



Self-Tapping Screws (3)
- Use S-HST6-38 (bagged separately)



Center Pillow Block & Tension Adjustment Screw (1)



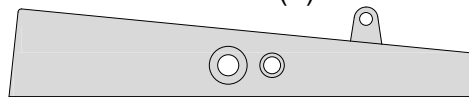
Bearing Pin (1)



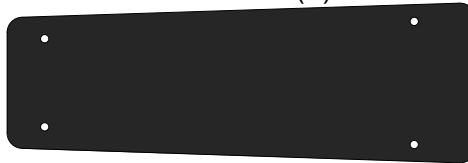
Treadle (1)



Wah Base (1)



Bottom Cover (1)



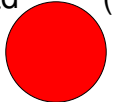
Front Bumpers (2)



Rear Bumper (1)



Felt Switch Pad (1)



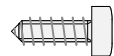
Rubber Tread (1)



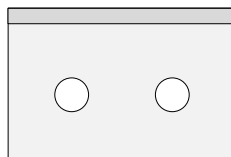
Rubber Feet, Tapered (4)



Self-Tapping Screws (3)
- Use S-HST6-38 (bagged separately)



L-bracket (1)



Mounting Screws (2)
(M4 x 0.70, L = 16 mm)



Mounting Nuts (2)
(M4 x 0.70)

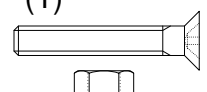


Washers (2)



Optional Parts:

Countersunk Screw with Nut (1)
(M4 x 0.70, L = 23 mm)
- Can be used to mount a circuit board



Gear for Potentiometer (1)
- If not included on your wah pot



Sheet Metal Screws (4)
- Not needed. Replaced by S-HST6-38.

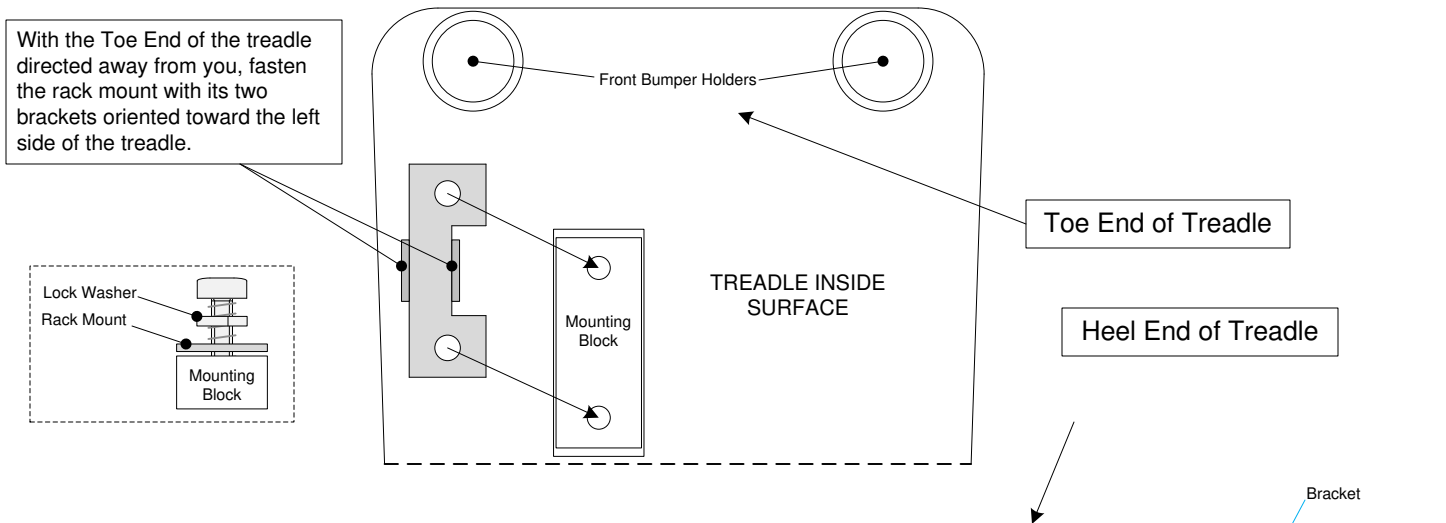


ASSEMBLY

Rack Assembly and Bumpers

On the treadle, use two of the self tapping screws (S-HST6-38) and lock washers to fasten the rack mount to its mounting block in the same orientation as shown in the drawing.

It may be necessary to file off some aluminum flash from the surface of the treadle mount block surface so the rack assembly will sit flush against the mounting block surface. (Because these are self tapping screws it will take considerable pressure to get the screws in).

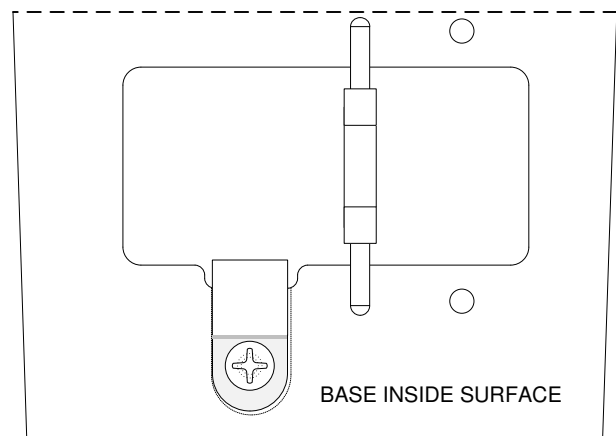


- Use the small screw, lock washer and nut to attach the rack to the rack mount with the teeth of the rack pointed toward the toe end of the treadle. The lock washer should be placed underneath the nut. Do not over-tighten the nut so that the bracket can no longer swing freely.
- Using contact cement or other adhesive, mount the two front bumpers in the holes provided for them.
- Remove the backing from the rear bumper and mount it in the hole on top of the holder centered at the treadle's heel end.

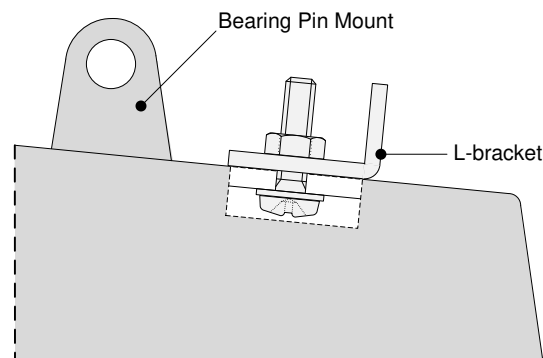
Treadle assembly is almost complete. We recommend that you wait until after completing the rest of the wah pedal shell assembly before attaching the rubber tread to the outer surface of the treadle. It will take some time for the glue to completely dry and it's best not to handle the treadle while the rubber tread is still drying.

Base Assembly

Looking at the inside surface of the base with the toe end directed away from you. Use a self tapping screw (S-HST6-38) to mount the rack tensioner to the hole on the bottom left side of large rectangular hole as shown in the drawing. (Keep this screw fastened loosely until after you mount your wah pot).



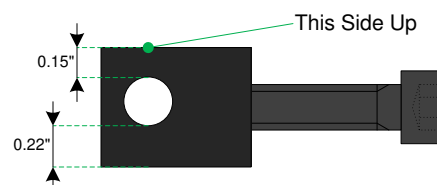
- Mount the L-bracket on the outer surface of the base using the two long 16 mm screws, nuts and flat washers as shown in the drawing. The screws should be inserted from the inside of the base so that the screw heads are on the inside of the pedal.



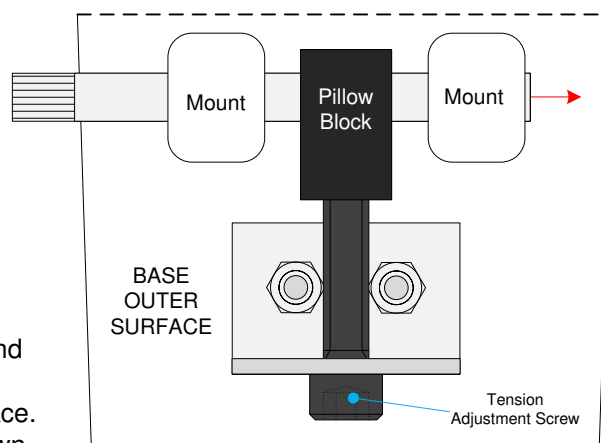
- Push the tension adjustment screw through the hole in the L-bracket. Place the pillow block between the two bearing pin mounts.

- Screw the tension adjustment screw part way into the threaded hole in the pillow block.

The non-threaded hole in the pillow block is slightly off center. The side of the pillow block that the non-threaded hole is closest to should face up so that it lines up better with the two bearing pin mount holes.

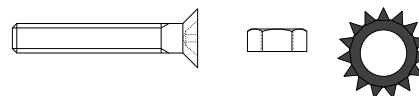


- Slide the bearing pin through the two mounts and the pillow block as shown in the drawing. Turn the tension adjustment screw with your fingers until its head is flush with the back of the L-bracket. **Do NOT tighten this screw, yet.** Slide the bearing pin out and set it aside. The pillow block is now aligned for final assembly.



Optional Hardware

The remaining screw and nut are for optional circuit board mounting and should only be installed if your particular project requires it. Push the screw through the 3/16" hole in the middle of the base on the top surface. Put the nut on from inside the pedal and tighten. You may use your own alternate hardware for this if required for your application. It will be very difficult to install or remove a screw here once the treadle is permanently attached to the base.

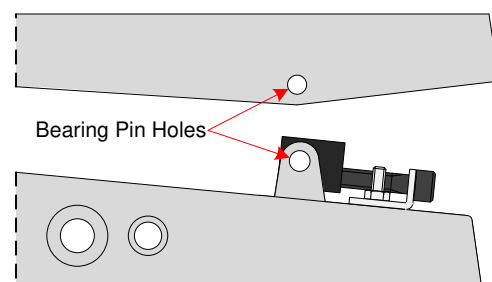


The gear may be used on a splined potentiometer shaft if required for your application.

Final Assembly

- Place the treadle on top of the base as shown in the drawing. Make sure the rack stays inserted through the large rectangular hole in the base. Line up the bearing pin holes on the treadle with those on the base. Insert the bearing pin, smooth end first, through all of the bearing pin holes including: both treadle holes, both base mount holes and the pillow block hole.

- Using a hammer and 1/4" pin punch, carefully tap the splined end of the bearing pin into the hole until it is flush with the side of the treadle.



Tip: Lay the pedal on its side with a couple of magazines stacked underneath the treadle, on the side opposite from where you will be hammering, to keep the treadle propped up from your work bench.

- Adjust the tension of the adjustment screw with a 5 mm Allen wrench so that the treadle stays in place when you remove your foot and so that it suits your playing preference.