

Congratulations on your purchase of the *Fulltone*®

CLYDE

Standard

VINTAGE-VOICED WAH-WAH

The **Fulltone CLYDE Standard Wah** was born from taking the best of the best of my more than 25 pc. vintage Vox wah collection, and analyzing every aspect...going so far as sacrificing a few of their vintage inductors in the process. The problem with inductors is that they are generally just generic industrial-grade cheapos that vary as much as +/- 30% in tolerance. Some of my mediocre sounding Vox's measured at @360 mH when they are actually supposed to be around 500mH, with the best sounding Vox Clyde McCoy wahs measuring in at around 560mH. My inductors have been custom-made ever since 1996, as are my Wah potentiometers, all other pots, and all switches used in Fulltone products!

The Inductor: I use a tuned-core hand-made unit using exactly the same type wire and inductance as the '60's era Vox, only mine are more consistent from one unit to the next. A tuned-core inductor is much more expensive to make, but the end result is worth it. My Inductors also have a MuMetal cover that rejects stray hum fields, eliminating most of the 60 cycle hum that plagues wahs. CLYDE's are very quiet because of this and also because of the excellent RF rejection that its thick steel enclosure offers.

The Potentiometer: The most overlooked part of the circuit and one of the keys to a good wah wah sound and performance. It's not just about the pot's resistance value, it's also about the "taper" that I chose for the pot. The Fulltone Wah Pot is just like the '60's Icar brand pot used in the vintage Vox wahs. Our pot has a triple-screened carbon-composition track giving a minimum 500,000-turn lifespan. The Fulltone Wah pot's taper offers a fast transition at the mid-point for more vocal performance, just like the ones used in the 60's and 70's by Clapton, Page, and Hendrix.

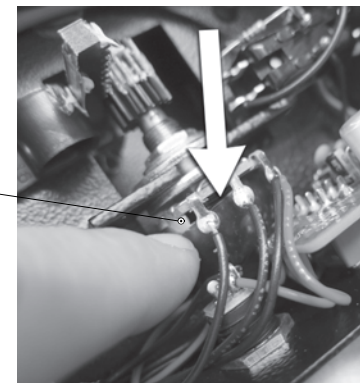
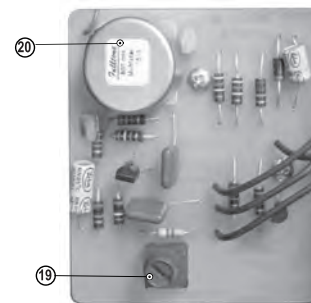
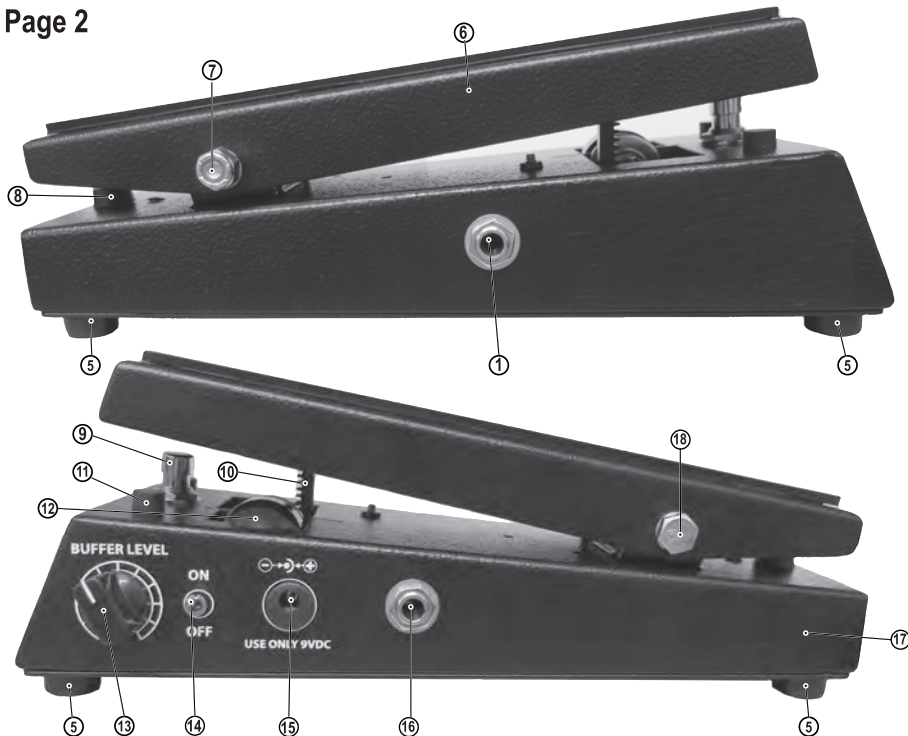
The enclosure: Traditional wah housings don't allow for enough travel to fully utilize the wah pot's range, limiting its tonal sweep, and they offer no adjustability for the pedal pressure. So I designed the Fulltone CLYDE's treadle with much more travel than Vox-type enclosures and included- nylon pivot points with nylok nuts so you can adjust the tension of the treadle to exactly the pressure you desire! CLYDE's have true bypass switching so that when they're "off" nothing's coloring the sound or ruining the performance of other pedals in the signal chain. All CLYDE's sport a tough steel bottom-plate with large rubber feet and plated screws.

Power: CLYDE wahs are powered either by a 9 volt battery (included) or via a standard regulated 9 volt supply offering a 2.1mm plug configured "negative to center." The CLYDE's power section has anti-hum filtering and reverse- polarity protection, so you won't accidentally ruin it by connecting AC instead of DC or the wrong polarity power supply.

Buffer: All Fulltone CLYDE Wahs come with a switchable "Hi-gain friendly" JFET booster/buffer circuit allowing you to kick up the volume to any level necessary, letting the CLYDE work better in hi-gain amp situations, and isolating the CLYDE from anything that follows it in the chain. The booster/buffer is not activated when the pedal is off as Fulltone wah's are True-Bypass. The three differences between the CLYDE Standard and the CLYDE Deluxe are that the Deluxe has a variable input knob, a LED status indicator, and a 3-way Voice switch offering "Wacked," "Jimi." and "Shaft" modes. The CLYDE Standard utilizes only the "Jimi" mode.

Play on! 

Michael Fuller/ President of Fulltone Inc.



INPUT jack (see diagrams above, #1): Connect the cable coming from your Instrument into this jack. Always use good quality cables and interconnects with solder-type connectors.

OUTPUT jack (#16): Connect the cable going to other effects and amplifier to this jack.

BATTERY: To access the battery, remove the rubber feet x 4 (#5) by using a Phillips-head screw driver and turning the screws counter-clockwise (CCW) until they fall out. Remove the Clyde's bottom plate and replace the battery. Reassemble the pedal, reinstall the screws, retighten the screws by turning in a CW manner. Do not overtighten beyond the point where the feet start flattening.

TREADLE (#6): The treadle is like a gas pedal, it's where your foot rests, and when you rock forward the treble increases. When you rock backward, the treble decreases.

TREADLE ADJUSTMENT nut (#7) and Bolt (#18): This adjustable axel determines how much pressure it takes to rock the Treadle backward and forward. If you find that the treadle feels loose and doesn't stay in a fixed position, use a pair of 11mm open-end wrenches to tighten the nut by holding one of the wrenches stationary, and turning the other wrench in a CW manner about 1/4 turn. Check the treadle action, if more is needed, continue tightening 1/4 turn at a time until you reach desired feel. Do not overtighten, as this will give the treadle too much resistance and make rocking it back and forth too difficult.

REAR BUMPER (#8): This rubber bumper in what the treadle rests on when it is rocked back fully to heel position, keeping the treadle from striking the **MAIN HOUSING**. (#17)

ON/OFF switch (#9): This switch is located at the front of the **MAIN HOUSING** (#17) and turns the pedal ON and OFF by rocking the treadle to full-forward position and then putting your weight into it until you feel a "click."

TREADLE RACK (#10): When you rock back and forth on the Treadle, this straight black plastic part (with teeth) turns the gear located on the wah pot (#12) thus making the "wah" sound.

FRONT BUMPERS (#11 x 2) These rubber bumpers cushion the treadle when it is rocked all the way forward and while turning the pedal ON and OFF.

WAH POTENTIOMETER (#12) This pot is essential to creating the "wah" sound and is adjusted to perfection before it leaves Fulltone. Do not adjust this unless you are experienced or damage will immediately occur and your warranty may be voided. This pot has a limited rotation and takes skill to adjust correctly. Visit youtube.com/fulltoneeffects for an instructional video regarding adjusting and maintaining your wah pot correctly.

Cleaning the Pot: It is occasionally necessary (perhaps every 6 months) to clean and lubricate the pot. Dust can work its way into it, causing a scraping sound when the treadle is rocked backwards and forwards. (see #21) Pull back the vinyl dust cover and spray about a 1/2 second's worth of Caig DeOxit D5 Tuner Cleaner/Lubricant directly into the opening of the pot. Then rock the treadle back and forth 10 times or so, push the vinyl dust cap back over the opening, and you should now have a quiet wah pot.

BUFFER/BOOSTER (#13): This JFET buffer/booster is only active when the pedal is turned ON. It allows the wah to work better with certain pedals and hi-gain amps. You can also use it as a volume booster so your Wah will cut through the mix when it's turned on. Too much boost will overload your amp, which may or may not be desirable.

DC POWER PORT: (#15) You may run this device on a 9 volt battery (included), a high-quality, regulated Class2 type 9 volt DC wallwart (not included), or high-quality 9VDC regulated pedalboard powersupply. Its cable's center must be configured to the standard 2.1mm x 5.5mm barrel plug with *Negative to Center Pin* configuration, as per following diagram: The **Fulltone FPS-1** is a great 9VDC adapter that is available for purchase direct from Fulltone at <http://www.fulltone.com/pedals/accessories>. As far as multiple output power supplies, we have always recommended the various Voodoo Lab products.

Warning! Avoid unregulated adapters because they tend to induce hum. Also avoid switching-type adapters, as they can introduce high frequency noise into pedals. You can tell a switching-type power supply if it automatically operates at all voltages 100-240VAC.

CLYDE STANDARD SPECIFICATIONS:

Input impedance: 40K-70K ohms depending on Treadle position
 Output Impedance with pedal on/ Buffer on: 22K ohms
 Output Impedance with pedal on/buffer off: 22K-100K ohms, depending on treadle position
 Maximum Dimensions: 4.5"W x 10"L x 3.3"H.
 Weight: 3.5 lbs
 Power Consumption: maximum 8 milliamps

WARRANTY: Footswitch & Wah Pot warranty is 1 year, a replacement pot is available for \$38 at <http://www.fulltone.com/pedals/accessories>. Fulltone products carry a Limited 5 year Warranty to the original owner with proof of purchase that the product was bought from an Authorized Fulltone Dealer. There is no need to register your product, simply keep a copy of your original sales receipt. The Warranty covers failure due to manufacturing errors only and is void if any mod or repair is performed by anyone other than us or if we deem that any operator-caused abuse or damage has occurred. Non-warranty examples include: the use of an incorrect power supply, a dropped pedal, water damage, etc. Customer is responsible for all shipping costs both to and from Fulltone. Repair issues are handled via email, and we always ask you to help us troubleshoot the pedal by isolating it from all other devices, powered with a fresh battery, with 2 different cables prior to your sending in the pedal. After we have determined that a repair is necessary, we will email you a PDF copy of our Return Merchandise Authorization (RMA) form and schedule a time for you to send it to us. Fill out the RMA and include it with the pedal you are sending. Fulltone Musical Products Inc. is not responsible for and injuries and/or damages related to the use of its products.

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for more info, repairs, and expanded information & videos go to fulltone.com and youtube.com/fulltoneeffects