

## General Operation

ToadWorks John Bull is an overdrive device capable of simulating the breakup of classic British tube amps.

- 1 Gain**  
The Gain knob controls the amount of overdrive present in the signal. Turning the knob clockwise increases the amount of overdrive, turning the knob counter-clockwise decreases the amount of overdrive.
- 2 Mids**  
The Mids knob controls the the amount of midrange frequencies in the overdriven signal.
- 3 Presence**  
The Presence knob controls the the amount of high end/presence in the overdriven signal.
- Level**  
The Level knob controls the overall output volume of the pedal (Note: It is possible to greatly increase the original signal strength, and care must be taken not to overload the input of other devices, especially solid state circuits). Turn the knob clockwise to increase the output level.
- 5 In**  
The input jack is clearly labeled on the right side of the pedal. It is designed for use with 1/4" phone plugs only.
- 6 Out**  
The output jack is clearly labeled on the left side of the pedal. It is designed for use with 1/4" phone plugs only.
- 7 Switch**  
The switch is located directly on top of the pedal, and is used to turn the effect on and off (Note: John Bull is wired for "True Bypass." This means that when the switch is in the "off" position, the original signal is routed around the effect circuit, resulting in no signal loss or coloration).
- 8 9V Battery Clip**  
John Bull uses a standard 9V alkaline battery. We recommend Duracell part # MX1604.
- 9 Power Supply Jack**  
John Bull is equipped with a 2.1mm barrel jack for use with a tip-negative 9 Volt DC REGULATED power adapter (Note: Many 9V power adapters are grossly out of spec, and the actual voltage can range anywhere from 7.5 Volts to 16 Volts. Voltages of 11V and above will affect the operation of the pedal and can damage the components. To avoid damage and/or incorrect operation, use only the highest quality power adapters). ToadWorks recommends the Godlyke Powerall 9VDC adapter.

### DO NOT UNDER ANY CIRCUMSTANCES USE AN 18V ADAPTER!

Forget about "increasing headroom" - if the pedal was intended to be used with 18V, we would say so. Any voltage higher than 11 VDC will DESTROY the op-amps, and we won't fix it for free.

## Warranty

We guarantee that your pedal will be free of defects in workmanship for a period of two (2) years from the date of purchase. However, each pedal is hand made, and as a result certain imperfections are unavoidable; color & finish will ALWAYS be slightly imperfect. Just think of it as "unique." We also guarantee the continued operation of all components for a period of two (2) years from the date of purchase. Within this two year period ToadWorks will repair or replace at our discretion any pedal that ceases to function properly as a result of faulty workmanship or materials.

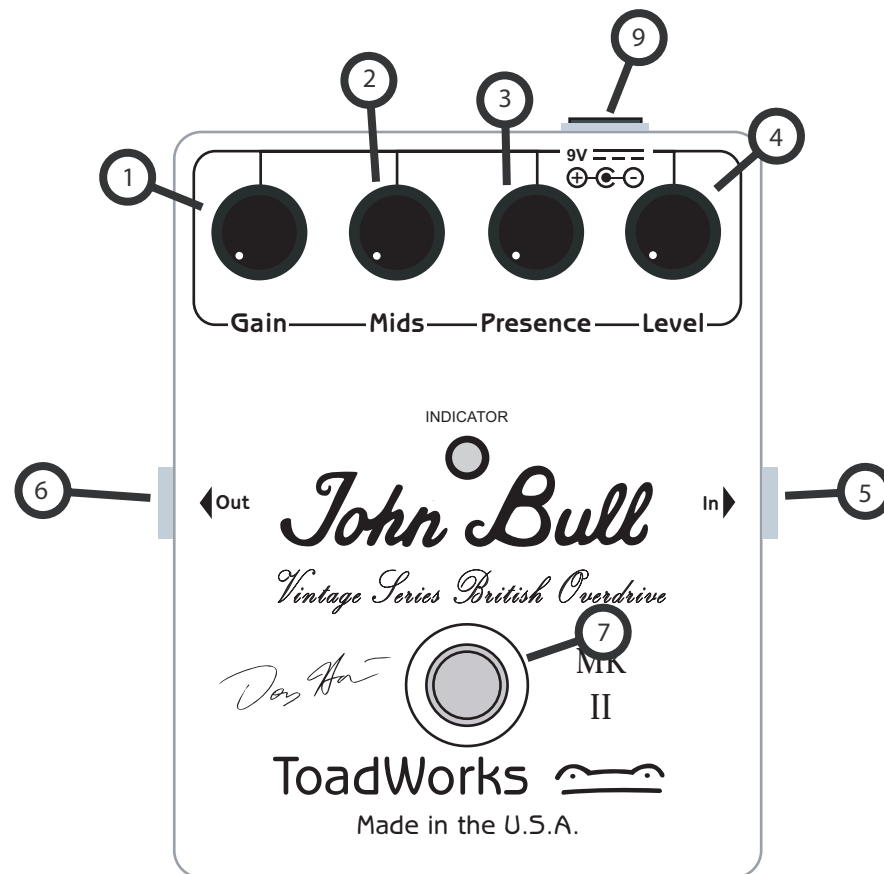
This warranty can be voided by any of the following:

*Removal or replacement of any component*  
*Prolonged exposure to elements*  
*Abuse above and beyond normal wear and tear*  
*Application of incorrect power supply*

No pedal shall be repaired or replaced that shows signs of abuse and/or modification. All requests for warranty service must be accompanied by documented proof of purchase. This warranty is non-transferable. As of January 1, 2006, units purchased from US domestic dealers and shipped to Europe, Asia and Australia are not eligible for warranty services.

## ToadWorks USA

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## REAR VIEW

