

# Dazatronyx

## TS9 to TS808 Tubescreamer Conversion Kit

### Description

The original Ibanez TS808 has been immortalized in history as the holy grail of overdrive pedals. This operation will convert your TS9 to the original TS808 specs right down to the vintage JRC4558D op amp chip.

### Caution!

This product contains small parts which could potentially become a choking hazard for children.

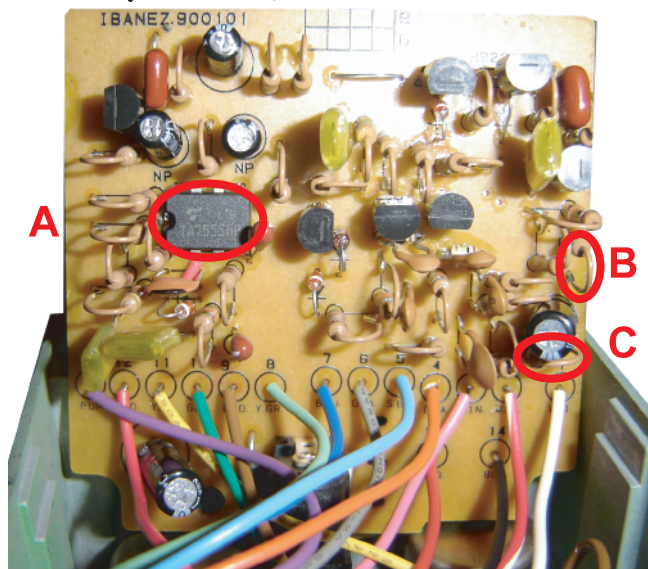
Inexperienced soldering can damage your effect unit. If too much heat is applied over too much time to any component, it will damage it. Always use de-soldering braid or a solder sucking gun when removing components to avoid damaging them for future use and to avoid damaging nearby components on the circuit board. If you are spending too long installing or removing a component, then leave it to cool for a little while before continuing. Do this for every pin of the IC.

If you are confident that you have basic soldering skills, then don't be discouraged to continue.

### Preparation

Remove the battery clip from the back of your TS9 unit and remove the four screws holding the back plate on. Remove the plastic sheet that protects your circuit board from shorting on the back plate and remove the screw securing the circuit board.

A stock standard TS9 circuit board should look like (or look very similar to) this:



### Conversion Operation

Keeping in mind the previous caution, carefully desolder and wedge out the operation amplifier (A). Take note of the alignment as the new chip must go in the same way. There will be a notch on one side. Store your old op amp in a static proof bag. Solder the quick change socket in where the op amp was making sure to align the notch the same as the op amp was.

Allow the socket to fully cool before inserting the new JRC4558d op amp. You may have to bend the legs inwards slightly to accommodate the socket. As you slide the op amp into the socket, ensure that all of the legs are being properly inserted to avoid damage to the op amp.

Find the 470Ω resistor (B), colour code yellow-violet-brown-gold, and replace it with a 100Ω resistor, colour codes brown-black-brown-brown. It does not matter which way the resistor is soldered in as it has no polarity.

Similarly, find the 100Ω resistor (C), colour code brown-black-brown-gold, and replace it with a 10KΩ resistor, colour code brown-black-orange-brown.

The kit resistors are metal film with ±1% tolerance, which is a higher quality than the standard carbon composite ±5% tolerance ones.

Changing the LED is optional. To do this, unscrew and remove the small circuit board at the top of the unit. Take note of approximately how far the stock LED is spaced from the board as you will need to replicate this. Desolder the stock LED. The replacement LED must be aligned the correct way to operate. The shorter leg of the LED is the negative pole, the other is the positive. Also, there is a small notch indicating the negative pole at the base of the LED.

On the LED's circuit board is a printed symbol with an arrow. The arrow points to the negative side, where the bar is:



Solder the replacement LED in and fit the circuit board. Check that the LED is positioned well. You may have to adjust the placement of the LED.

Double check the quality of all of your soldering and trim the extra lengths of legs from the resistors and the LED. Reassemble the unit. The conversion is completed.