

| Service Note | | |
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| Product | Description: | Service note no. |
| SCF pedal | SCF, Pull up resistor to eliminate DC-offset | 713 10 1768 |

Problem:

SCF, Pull up resistor to eliminate DC-offset.

Solution:

From the previous leaded version of the SCF pedal the 10k pull up resistor R119 on T101 has been omitted. On the current version the T101 transistor has been renamed to Q2. The missing pull up resistor can in some cases (probably due to leaks) partly turn the transistor Q2 on in SW1 bypass mode.

The CMOS switches have over the years changed between different types with differing threshold voltages in the voltage region where Q2 collector is to when partly turned on, so this can give malfunction, leading to distortion of the output in TP3. Putting the original pull up resistor back in the circuit again solves the problem.

The new pull up resistor shall be mounted with a 10kOhm 0805 SMD resistor between pin 1&2 (Emitter/Basis) of the transistor Q2.

When the resistor is missing it will sometimes cause a DC offset in the circuitry again causing unintended distortion.

Implemented from:

110 V types: S/N 37937

230 V types: S/N 105896