

# Fender FCK-60 Capacitor Kit for Fender Pro 185, Stage 185 & London 185 (1989-1991)

The first task is to disassemble the amplifier chassis. Unplug the amplifier from commercial power. Remove the screws which hold the chassis in place, slide it from the amplifier chassis. Be careful to remove any wires from the chassis to speaker, reverb tank, etc. The next step is to pull all of the knobs, and remove the nuts from the potentiometer shafts on the front panel. Also remove the jack nuts. Next, remove the screws which hold the PC board to the chassis. Slide the PC board back to clear the pot shafts, so that you can turn the board and obtain access to the printed side of the PC board. We do not recommend removing the board completely from the chassis because it requires several wires to be disconnected. It is possible to change the capacitors without completely removing the PC board from the chassis.

Take every precaution to ensure that the new capacitors are installed with the correct polarity. Polarity for each capacitor is marked on the pictorial diagram, but may not be completely clear for every capacitor. Making your own marks before removing the existing capacitors is recommended. Taking photos of the PC board before starting is also a good idea in case there are any questions about polarity.

We strongly recommend removing and replacing one capacitor at a time.

For each capacitor, look at the diagram to verify polarity, compare it with the existing capacitor, and make a mark at the positive end of the capacitor on the PC board to help ensure that the new capacitor will be installed correctly.

Different capacitors mark their polarity in different ways, but on radial capacitors usually the negative terminal is marked with a line and arrow on the side of the capacitor. In addition, on radial capacitors usually the positive lead is longer.

A desoldering tool (suction pump) and/or desoldering braid is recommended for desoldering the old capacitors.

A schematic and layout of the PC board is attached.

Some of the replacement capacitors have higher voltage ratings than the original capacitors. This is common practice in replacements, offers an additional level of safety, and does not in any way affect the sound or performance of the amplifier.

C13, 20, 33, 11	2.2uF/50V	C49, 50, 65, 71, 72, 84	100uF/25V
C36, 51, 54, 68, 64, 39, 43	22uF / 50V	C67	4.7uF/50V
C73, 74	100uF/16V	C78, C79	3300uF/63V