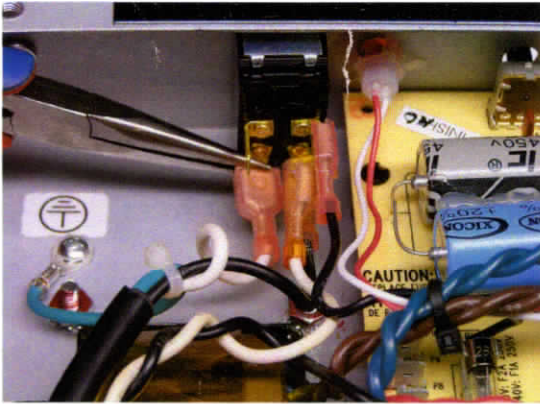


Billm Blues Junior Power Standby Switch Installation

The power standby switch uses a heavy duty Carling progressive switch with two circuits and three positions. The off position is self-explanatory. In the middle position, circuit 1 is on; in the “on” position, circuit 1 and circuit 2 are both on. The kit lets you connect the high voltage output from the power transformer to circuit 2, so in the standby or middle position only the filaments and bias circuit get power.

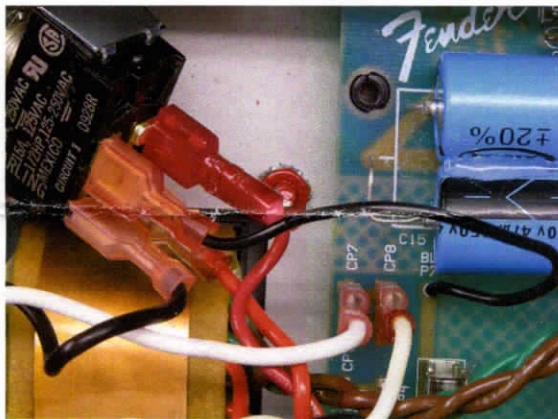
1. Unplug the amplifier. Leave the red jumper wire on the new standby switch to avoid confusion later.



2. Remove the push-on disconnects from the power switch. Long-nose pliers or a slim screwdriver may help get things moving. Then remove the stock power switch with a 9/16” socket wrench or nut driver. Don’t use pliers—you’ll scratch the faceplate for sure.

3. Plug both white wires onto the male connectors on the circuit board. Use CP7 and CP8 for the green board, P9 and P10 on the cream board. Export (220-240V) amps, see below.

4. Unplug the red transformer wire from P12 (cream board) or CP12 (green board).



5. Plug the above red wire from the transformer onto the lower (angled) terminal on the right side of the new switch.

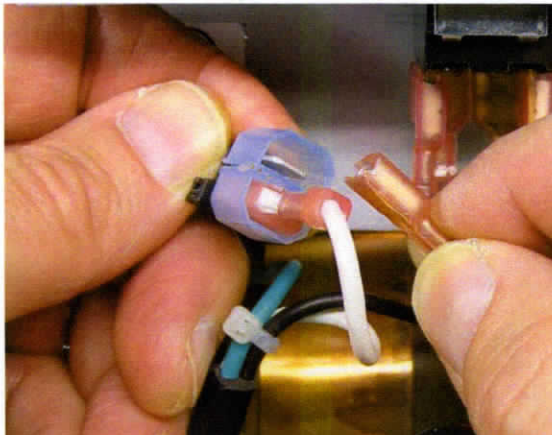
6. Plug the black wire from the line cord onto the lower, angled terminal on the new switch, on the left side. See pic below.

7. Plug the black wire from the circuit board onto the left terminal of the new switch.

8. Plug the provided red wire from the switch onto P12/CP12.

9. Move the nut on the new switch about halfway up the threads. Install the switch and use the nut and washer from the old switch to secure it. Adjust the back nut so the barrel of the switch is flush with the top of the nut. Use the provided wire ties to secure loose wires.

There is no magic about using a standby switch. You do not have to warm up the filaments before playing nor cool down before shutting off. You can skip right over the standby position. It’s merely a convenience for muting the amp or for helping it run cooler during long breaks. Because the standby switch cuts off the AC side of the high voltage, muting is not instantaneous. The capacitors will lose their charge through the warm tubes. You can hear the voltage bleed off as the sound fades over 10 seconds or so—this is normal.



Export transformer: Don’t remove any of the connections on the circuit board except CP12. Connect the red wires as shown above. Connect the wires (usually blue and white) that were plugged into the left side of the stock switch into the special blue jumper and move both wires that were on the right side to the left side of the new switch. The brown wire from the mains cord goes to the bottom left of the new switch. *If you don’t have an export transformer, you don’t need or get a blue jumper!*