FootSwitch for Raven Amp

By Martin Zinaich   http://www.martinz.net

Disclaimer: This design is duplicated at your own risk! I have not verified, in any way, that this is the correct design. While it seems to work fine with my RG100H Raven Amp, there is no warranty expressed or implied!

FootSwitch:

After searching the Web, writing to Raven and still not locating a footswitch for my amp – I decided to make my own. I pretty much guessed at the design and did some quick testing. All seems to work fine – but caution is expressed as there were no schematics available to me.

Parts:

All the parts can be found at Radio Shack as follows:

42-2556 – 20-Ft. Stereo Headphone Cable, 1/4" Jack to 1/4" Plug

270-1805 - Project Enclosure (6x3x2")

275-617 - SPST Push On-Push Off Switch

275-011 - SPST Push On-Push Off Switch

(Optional) 64-2346 - Self-Stick Rubber Feet

Total cost = $18 - $20

Steps:

1. Drill three holes in 270-1805. Two spaced evenly in the bottom a size to accommodate both switches (275-617 & 275-011)
2. Drill one hole in the side, slightly larger than the size of the cord (42-2556)
3. Cut off the female end of 42-2556.
4. Pull the cord through the hole in the side you just drilled.
5. Leaving about 1.5 foot of cable on the inside, tie a single loop knot in the cord on the inside to keep it from pulling back
6. Strip back the outer cover about 1 foot of 42-2556, leaving the copper braid, one red wire and one white wire.
7. Mount 275-011 in the left hole looking at the outside bottom
8. Mount 275-617 in the right side hole looking at the outside bottom
9. Roll the braided cord to form a solid wire and solider it to one post of each switch
10. Solider the red wire to 275-617's remaining post
11. Solider the white wire to 275-011's remaining post
12. Attach the metal plate to the project box with the supplied 4 screws
13. (Optional) Cover the 4 screws with the rubber feet
14. You're done!

Plug the footswitch into the footswitch jack on your amp. The left round switch will toggle between the rhythm channel and the lead channel. The square switch will toggle the digital effects on and off.