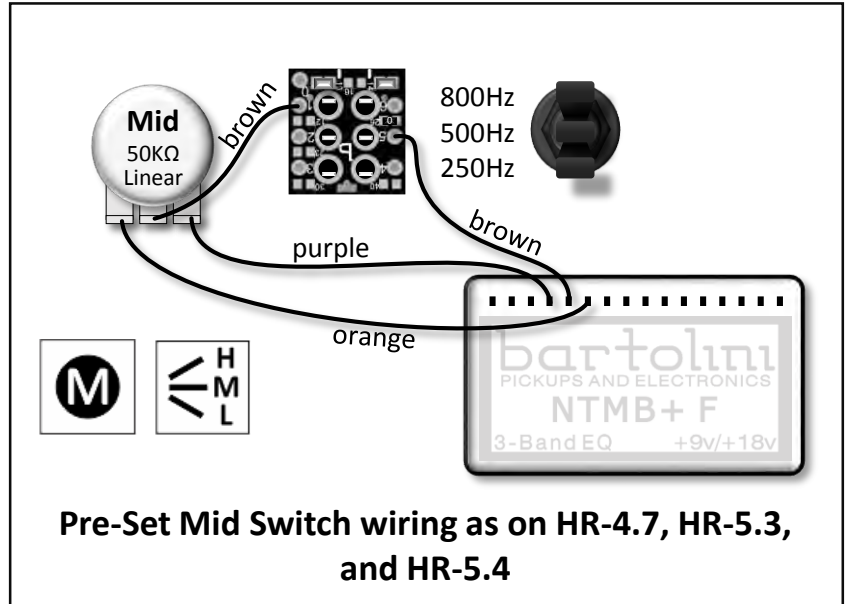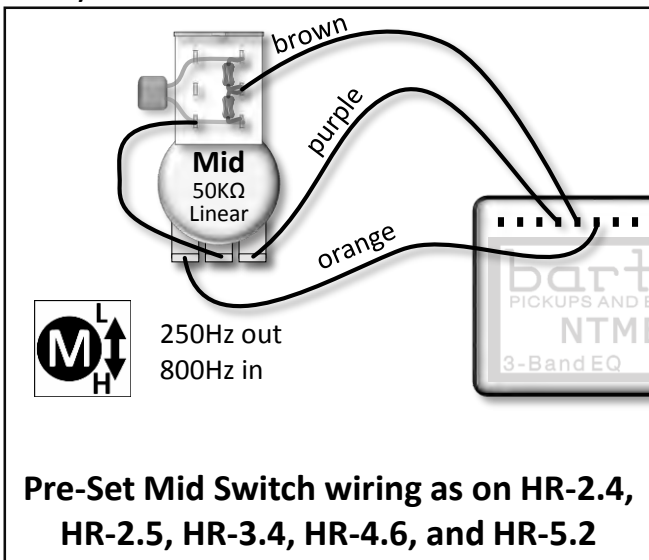## NTMB+ Mid Switch Configuration

The NTMB+ mid frequency can be changed by adding capacitance in series with the brown wire from the module to the center lug of the Mid control. The frequency is the same for boost and cut. If the brown wire is connected without additional capacitance, the frequency is set to 250Hz. The following table lists the capacitance and the resulting mid frequency.

Capacitance (uF)	Frequency (Hz)
None	250
0.47	450
0.33	500
0.22	550
0.19	620
0.16	670
0.13	750
0.11	800
0.10	840
0.082	930
0.068	1020

The pre-set Mid frequencies on the HR-2.4, HR-2.5, HR-3.4, HR-4.6, and HR-5.2 are 250Hz and 800Hz. If you want to change these values, you will need to remove the pre-loaded capacitor and add your own.

Pre-Set Mid Switch wiring as on HR-4.7, HR-5.3, and HR-5.4

The pre-set Mid frequencies on the HR-4.7, HR-5.3, and HR-5.4 are 250Hz, 500Hz and 800Hz. The appropriate capacitors are loaded on the printed circuit board (PCB). If you want to change these values, you will need to remove or disconnect the pre-loaded capacitors and add your own.

To disconnect the preloaded capacitors, cut through the PCB at the white line where shown.

Cut here to disconnect the 500Hz capacitor

Cut here to disconnect the 800Hz capacitor

250Hz out
800Hz in

Pre-Set Mid Switch wiring as on HR-2.4, HR-2.5, HR-3.4, HR-4.6, and HR-5.2

To add your own capacitors, solder where shown.

Add upper switch position capacitor between holes 1 & 4

Add center switch position capacitor between holes 1 & 3