

Make/Model: Browning Golden Eagle Mark III

	Both RX & TX	RX Only		Both RX & TX	RX Only
Ch. 1 (26.965)	16.270	31.400	Ch.13 (27.115)	16.420	31.400
Ch. 2 (26.975)	16.280	"	Ch.14 (27.125)	16.430	"
Ch. 3 (26.985)	16.290	"	Ch.15 (27.135)	16.440	"
Ch. 4 (27.005)	16.310	"	Ch.16 (27.155)	16.460	"
Ch. 5 (27.015)	16.320	31.400	Ch.17 (27.165)	16.470	31.400
Ch. 6 (27.025)	16.330	"	Ch.18 (27.175)	16.480	"
Ch. 7 (27.035)	16.340	"	Ch.19 (27.185)	16.490	"
Ch. 8 (27.055)	16.360	"	Ch.20 (27.205)	16.510	"
Ch. 9 (27.065)	16.370	31.400	Ch.21 (27.215)	16.520	31.400
Ch.10 (27.075)	16.380	"	Ch.22 (27.225)	16.530	"
Ch.11 (27.085)	16.390	"	Ch.23 (27.255)	16.560	"
Ch.12 (27.105)	16.410	"			

Additional Crystals:

5.6465 MHz AM Carrier Osc.	5.0485 MHz AM Synth. Osc. all 23 channels
5.6480 MHz LSB Carrier Osc.	5.0470 MHz LSB Synth. Osc. all 23 channels
5.6450 MHz USB Carrier Osc.	5.0500 MHz USB Synth. Osc. all 23 channels

Synthesis:

[16 MHz channel crystal + 5 MHz Carrier Osc. crystal + 5 MHz Synth. Osc. crystal] = on-channel frequency

Example: For Ch.1 AM, it is 16.270 MHz + 5.6465 MHz + 5.0485 MHz = 26.965 MHz. This radio is unique in that the Carrier Oscillator is not the same as the first IF. The first RX IF is produced by a separate 31.400 MHz local oscillator. The second IF is produced by the VFO, which mixes with the first IF in the 4 MHz range to produce a 455 KHz second IF.

Modifications are not practical; each new 16 MHz crystal you replace gives you only one new channel.

Compliments of:

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