

EXHIBIT J: PARTS LIST / TUNING INFORMATION [2.1033(B5)]

The Parts List and Component Placement Diagram portion of this Exhibit J is located in two “pdf” files. The transmit PCB information is in the “pdf” file entitled “EXJ_TXParts.pdf”.

Tuning: (Programming)

The user programs the CB2VWHL3 as outlined in the Users Manual, Exhibit N. A summary is provided here.

1. Pressing the two outside buttons until the indicator LED begins to flash resets the memory.
2. Holding the hand-held transmitter to be copied near the CB2VWHL3 and simultaneously activating the hand-held transmitter and one of the user buttons until the indicator LED flashed rapidly trains the unit to duplicate the hand-held transmitter. The information is stored in the non-volatile memory of the CB2VWHL3.

During usage, when the “trained” button is pressed, the CB2VWHL3 recalls the stored information.

1. The Voltage Controlled Oscillator (VCO) is set on the desired RF carrier frequency.
2. The antenna is coarse tuned by sweeping twice around the expected tuning point.
3. The antenna is fine tuned with 9 pulses of approximately 210 uS with 11 mS off.
4. The VCO is then modulated with the appropriate garage door opener bit code from the non-volatile memory.