

CYCONE 40 Parts List

6/10/2013

Do not build from this list, the actual build sequence is different Refer to Assembly Manual.

Resistors	Capacitors	Inductors	Semiconductors	Hardware
R1 100k	C1 0.1	L1 2.2u T50-2	D1 1N914	4 - 3/8" x 6-32 screw
R2 1.5k	C2 0.1	L2 0.77u T50-2	D2 SA15A	4 - 3/4" x 6-32 screw
R3 680	C3 82p	L3 100u Molded RFC	Q1 2N3904	4 - 0.25" #6 spacer
R4 1.0k	C4 82p	L4 22u RFC	Q2 2N3904	4 - 1.5"x 0.25", 6-32 spacer
R5 10k	C5 220p	L5 4.01u PTO Coil	Q3 ZVN4206A	10-32 T-nut 3 or 4 prong
R6 5k* vol	C6 1000p	T1 12:12:12 T50-2	Q4 ZVN4206A	2" x 10-32 brass screw
R7 1.0k	C7 1000p	T2 1k:8 ohm Audio xfmr	Q5 2N3904	1/8" knob
R8 1.0M	C8 120p	T3 IF Xformer Can	Q6 2N7000	1/4" knob
R9 470	C9 470p	T4 IF Xformer Can	Q7 ZTX749	0.5" OD x 0.75" 10-32 Nylon Spacer
R10 330	C10 180p	X1 11 MHZ Crystal	Q8 MPF102	J1 - headphone jack 1/8" stereo
R11 100k, 10t	C11 120p	X2 11 MHZ Crystal	Q9 2N3906	J2 - key jack 1/8" stereo
R12 18k	C12 300p	X3 11 MHZ Crystal	Q10 2N3904	J3- BNC
R13 1.0M	C13 270p	X4 11 MHZ Crystal	Q11 MPF102	J4 - 2.5 mm x 5.5 mm DC Power Jack
R14 330k	C14 0.0047	X5 11 MHZ Crystal	Q12 2N3904	SW2 - Tactile, freq counter
R15 10k	C15 330p SM		Q13 2N3904	4 - Rubber Feet
R16 10k 10t	C16 82p		Q14 2N3906	22AWG Magnet wire Red
R17 3.3k	C17 82p		Q15 2N7000	26 AWG Magnet wire Red Green Gold
R18 470k	C18 56p		U1 74HC240	DIP-8 socket
R19 3.3k	C19 0.01		U2 LM78M05	2 - PC Boards
R20 1.0M	C20 68p		U3 TL072	
R21 1.0M	C21 0.1		U4 PIC12F609	
R22 10k	C22 0.1			
R23 1.0M	C23 0.1			
R24 330	C24 470			
R25 3.3k	C25 0.01			
R26 1.0M	C26 10			
	C27 680p			
	C28 100			
	C29 0.1			
	C30 0.01			
	C31 0.1			
	C32 0.01			
	C33 10			
	C34 100			
	C35 100			
	C36 470p			
	C37 10			

*** Subbed Value**

Does not match schematic
but ok to use, 10k
audio taper not available