Read before Test Set Assembly for latest changes

Schematic Errors:		Correction:

1. **C9** 50 pf Trim Cap | **C9** 12-60 pf variable trim cap (Orange square, or Brown oval)

2. **R44** 330 Ohm | **R44** 510 Ohm

3. **C6** 10ufd | **C6** .1ufd

4. **D1** IN5817 | **D1** 1N34 Glass

Refer to the last page of the assembly manual for the following corrections:

10K Pot	Potentiometer	1_____	VR2	Audio out level control
4.000 Mhz	Crystal	1_____	X1	
LCD Display		1_____		
BNC	pc board mount	1_____	J1	
BNC	Lock Washer	1_____	For J1 mounting	
BNC	Nut	1_____	For J1 mounting	
16 pin SIP Socket	Low profile	1_____	For LCD Display	
16 pin Header		1_____	For LCD Display	
2 pin SIP Header		7_____	test set function selection	
2 pin SIP Jumper	Grey Jumpers	7_____	test set function selection	
8 pin DIP Socket		1_____	For U3	
18 pin Dip Socket		1_____	For U1	
nylon standoff		4_____	For mounting LCD	
½" x 3-48 Screws		4_____	For mounting LCD	
3-48 nuts			4_____	For mounting LCD

Parts not supplied with the kit

Panel mount BNC connectors
Toggle switches S1, S2   S1, S2 Frequency offset/set function
Toggle switch S3   Xtal test shorting switch.

Add to these parts the DC Power connector of your choice, and a case, which could consist of a variety of types, such as a tin box with either a hinged or removable lid, so as to provide easy access to the headers and test points on the Test Set, or could be a simple, three sided case, with just bottom, front and back panels, made from printed circuit board material and soldered together.

Additional precautions you should take

Be extra careful soldering the sip header to the LCD display. Solder bridges are the most common malfunction.

Check the voltage at the IC sockets before inserting the chips. Check for correction orientation of the chip before inserting them into their sockets.

Take special care when mounting the LCD display "piggy back" on the pc board with the 3-48 screws. The screw heads could cut through the silk screen mask and cause a possible short to ground if tightened excessively.

The 16 pin header that is to be soldered to the display board has long pins that will not allow proper seating for the supplied standoffs piggyback mounting. Cut the pins to the proper length to allow the display to seat at the proper depth in the 16 pin low profile socket on the mother board. If you choose to mount the display board remotely, a ribbon cable socket may allow connection without cutting off the pins. You may also reverse the sixteen pin header putting the long pins through the display board, solder and then clip the pins off on top of the display board. Take special care in both soldering and clipping the leads as damage to the display board could result.

Should parts be missing, contact

Joe Porter, WØMQY
306 East Hudson
Pittsburg, Kansas 66762
Email Address: wØmqy@sbcglobal.net