

01/03/90

**70-2926 LONG-TERM MEMORY BACK-UP
FOR SYN-TECH XTR**

Note: The 70-2926 Memory Back-Up Kit is not for use on SYN-TECH XTR Radios with serial numbers 1001 - 2600, 2751 - 2770, and 2851 - 3000. Those units must use the kit model number 70-2215-1.

1. Remove the bottom cover from the SYN-TECH XTR radio.
2. Strip 2 mm off the ends of the yellow wires on the 70-2926. Solder and heatshrink the yellow wires. These connect the Lithium Battery when ready to use thus prolonging shelf life.
3. Solder the red wire (attached to the 70-2926) to the BACKUP point as shown in Figure 1.

Note: If using the 70-2413 Interface Board solder the red wire supplied in the kit to the existing red wire attached to the 70-2926 and heatshrink the connections. Then solder to the BACKUP point as shown in Figure 1.

4. Solder the black wire (attached to the 70-2926) to the GND point as shown in Figure 1.

Note: If using the 70-2413 Interface Board solder the black wire supplied in the kit to the existing black wire and heatshrink the connections. Then solder to the GND point as shown in Figure 1.

5. Using the double-sided foam tape, secure the capacitor/battery package on top of the Microcomputer Shield on the inside of the radio. See Figure 1.

Note: If using the 70-2413 Interface Board the 70-2926 can not be installed on top of the Microcomputer Shield. Use the alternate location on top of L401 as shown in Figure 2.

70-2926 LONG-TERM MEMORY BACK-UP KIT PARTS LIST

QTY	DESCRIPTION	PART NUMBER
1	1F 5.5VDC Gold Capacitor	70-135179
1	Diode 1S2075K	70-085001
1	3V Lithium Battery	70-030030
1	Double-Sided Foam Tape 3/4X1/2	70-157124
1	Red wire 190 mm length 28 AWG	70-034631
1	Black wire 190 mm length 28 AWG	70-034632
3	Heatshrink 1/2" length 3/64" dia.	70-034633

70-999530

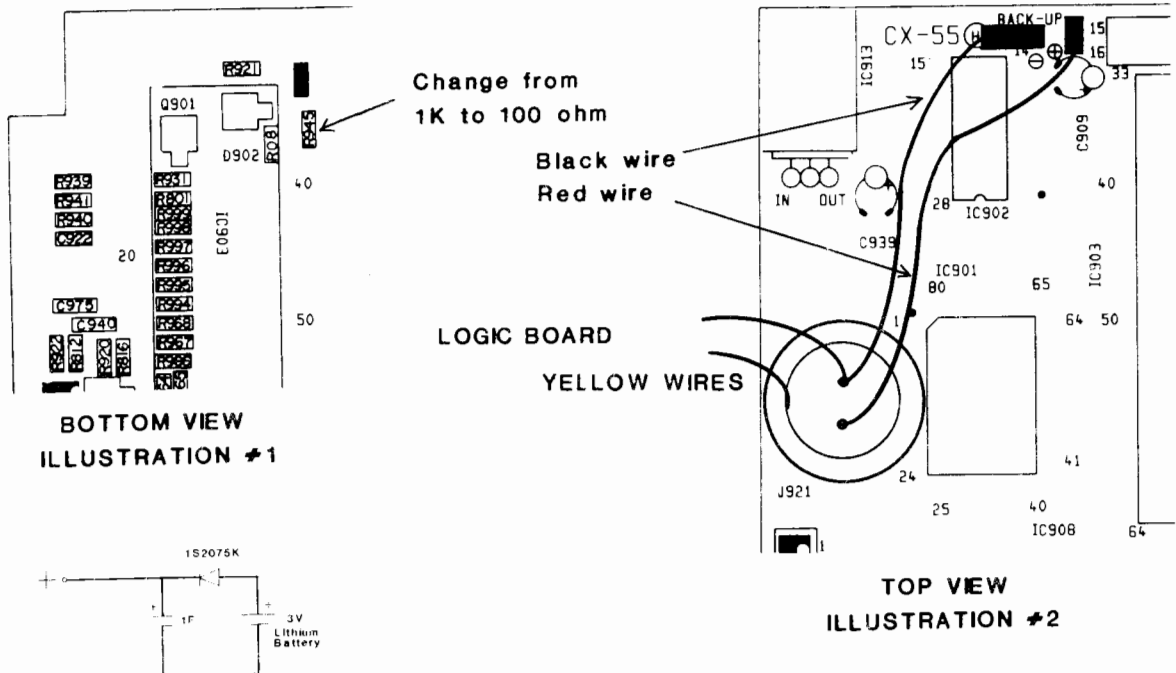
REV. 01/04/90

**70-2926 LONG-TERM MEMORY BACK-UP
FOR SYN-TECH II**

1. Remove the top cover from the SYN-TECH II radio.
2. Strip 2 mm off the ends of the yellow wires on the 70-2926. Solder and heatshrink the yellow wires. These connect the Lithium Battery when ready to use thus prolonging shelf life.
3. Remove the 5 screws securing the logic board.
4. Change R945 from a 1K resistor to the 100 Ohm resistor provided. See Figure 1 for location. Reinstall the logic board.
5. Solder the red and black wires as shown in Figure 2.
6. Using the double-sided foam tape, secure the capacitor/battery package to a desired spot on the logic board. See Figure 2.

70-2926 LONG-TERM MEMORY BACK-UP KIT PARTS LIST

QTY	DESCRIPTION	PART NUMBER
1	1F 5.5VDC Gold Capacitor	70-135179
1	Diode 1S2075K	70-085001
1	3V Lithium Battery	70-030030
1	Double-Sided Foam Tape 3/4X1/2	70-157124
1	Heatshrink 1/2" length 3/64" dia.	70-034633
1	100 Ohm 1/10 Watt Resistor	70-145146



CAP./BATT. PKG. SCHEMATIC

70-999543