

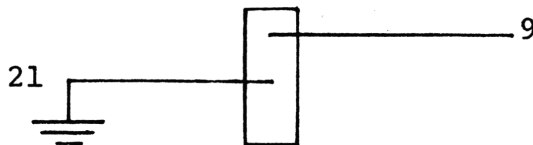
# SEARS 663.3810 WITH 2824 CHIP

## Clarifier-

1. Remove front panel. Follow these steps:
  - A. Remove Knobs.
  - B. Remove nuts on Volume and mode switches.
  - C. Remove top and bottom case covers.
  - D. Remove the 4 screws, two on each side of panel.
  - E. Unsolder meter tabs on panel PC board.
  - F. Lift out panel.
2. Locate VR403. Remove JP412.
3. Remove R405. Install solid wire jumper in its place.
4. Prepare a 6" length of wire. Solder one end to the hole where JP412 was next to Fine Tune control.
5. Solder other end to cathode of D50.
6. Clip D32.
7. Lift anode of D30 (varactor), and install a Super Slider in series. For more slide, use our Super Clarifier Diode and Super Slider.
8. Reinstall front panel.

## Frequency Expansion-

1. Unsolder and remove IC2. Replace with a UPD2816C. Be carefull--CMOS!
2. Ground pin 20 to pin 21.
3. Install switch as follows:



Adjust VCO L14.

## Tune Up-

Peak L40, L39, L38, L37, L27 on USB.