

The schematic diagram illustrates the internal circuitry of a color television receiver, organized into several functional stages:

- V1 12BA6 R.F. (Radio Frequency):** The first stage, which includes a 60V filament, a 300Ω resistor, and a 12KΩ variable capacitor (C1A) for tuning. It is connected to the antenna (ANT) and ground.
- V2 12BE6 CONV. (Converter):** The second stage, featuring a 35V filament, a 22KΩ resistor, and a 100MΩ variable capacitor (C4). It includes an oscillator coil (L3) and a detector coil (L2).
- V3 12BA6 I.F. (Intermediate Frequency):** The third stage, with a 35V filament and a 30V tuning eye. It includes a 100MΩ variable capacitor (C5) and a 100KΩ resistor (R2).
- V4 12AV6 DET. AMP. (Detector Amplifier):** The fourth stage, with a 3V filament and a 100KΩ resistor (R1A). It includes a 100KΩ variable capacitor (C6) and a 100KΩ resistor (R1B).
- V5 35C5 P.W.R. AMP. (Power Amplifier):** The fifth stage, with a 170V filament and a 100KΩ resistor (R2). It includes a 100KΩ variable capacitor (C7) and a 100KΩ resistor (R1B).
- V6 35W4 RECT. (Rectifier):** The final stage, with a 118V filament and a 100KΩ resistor (R2). It includes a 100KΩ variable capacitor (C7) and a 100KΩ resistor (R1B).

The diagram also shows the **DIAL CORD DRIVE** mechanism, which includes a color code and a switch ON position. The dial cord drive is connected to the V1 and V2 stages.

Operation	Connect Dscillator To	Dummy Antenna	Input Sig. Frequency	Set Dial At	Trimmers	Purpose
1	Converter Grid	.5 Mfd.	455 Kc.	600 Kc.	L4, L5, L6, L7	For I.F. Align- ment.
2	One Turn Loop Coupled	—	1600 Kc.	1600 Kc.	C1F	Set Oscillator to Dial Scale
3	Loosely to Wave Magnet	—	1400 Kc.	1400 Kc.	C1D, C1B	Align Detector and Antenna Stage

