

## SERVICE ADJUSTMENTS

### 1- Supply Voltage Adjustment

Adjust + B Voltage, measured at the cathode of the diode D 611 while screen potentiometer is set to the minimum. Select AV Mode.

For	33"	to	159V + 1V
For	29"	to	125V + 1V
For	28"	to	145V + 1V
For	25"	to	145V + 1V
For	21"	to	120V + 1V
For	20"	to	120V + 1V

### 2- Service Mode Adjustments

Enter Service Mode using Service Remote Control. Apply an antenna signal with 65dB(V $\pm$  1dB(V (1.8 mV) level to the set.

#### 2.1 AGC Adjustment

Select AGC by using +P, -P buttons.

Adjust the amplitude of the 38,9MHz Signal at IF 2 pin of tuner to 220mVpp $\pm$ 20mVpp

#### 2.2 Adjust STD. It should be STD-BY OFF

Adjust EEPE. It should be 00.

#### 2.3 Adjust PEAK to 08

Adjust HEAD to ON for 28",  
to OFF for 21"

### 3- Geometry Adjustment

Select FUBK or Philips test pattern

3.1 Adjust	VZOM	to	20
Adjust	VSCR	to	1F
Adjust	AV	to	03
Adjust	CRT	to	4:3

#### 3.2 Select VSLP by using P+/P- buttons.

At this mode lower half of the screen is black.

Adjust VSLP to the center line of the test pattern.

Adjust VSHT to the center line of the test pattern.

#### 3.3 Adjust vertical linearity at SCOR and

Adjust Vertical amplitude at VAMP.

Adjust horizontal amplitude at

Adjust horizontal position (phase ) at

Adjust general parabol adjustment at

Adjust corner parabol adjustment at

Adjust trapez distortion at

EWV and  
HSHT.  
EWPW.  
EWCR.  
EWT.

Adjust	BRI	to	20
For 28"	CDR	to	03
	CON	to	28
	HUE	to	20
	SAT	to	14
	YDLY	to	04

### 4- Screen and White Balance adjustment

Adjust Brightness to 30, Contrast to 40 and colour to 20.

Enter Service Mode.

Select SCRN (Screen) and switch it to ON.

Screen becomes black and a horizontal line appears at the center of the screen.

Adjust with screen potentiometer this line to a just visible level.

Return to picture mode by pressing V+ or V- button.

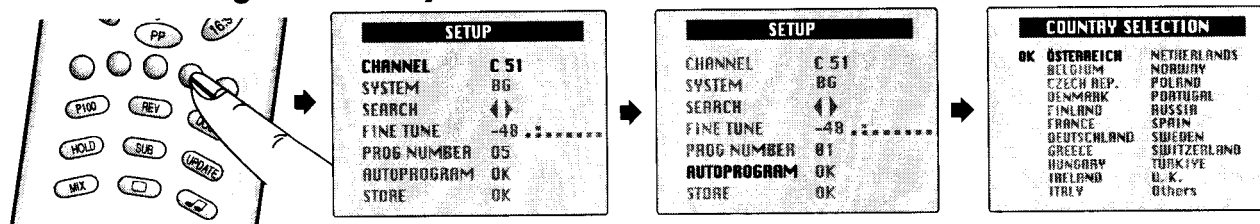
Select GRN and adjust it 25.

Adjust RED and BLUE to proper values to have a proper white level.

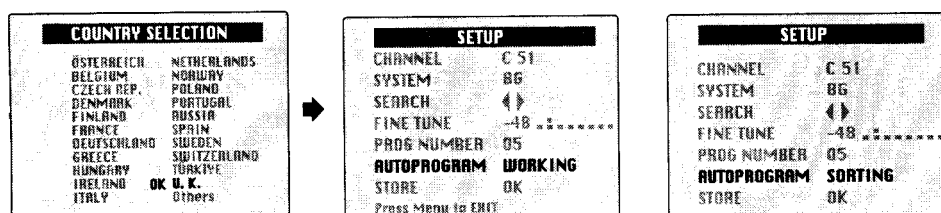
## TUNING and MEMORY

You can tune the TV either automatically or manually.

### Automatic tuning and memory :

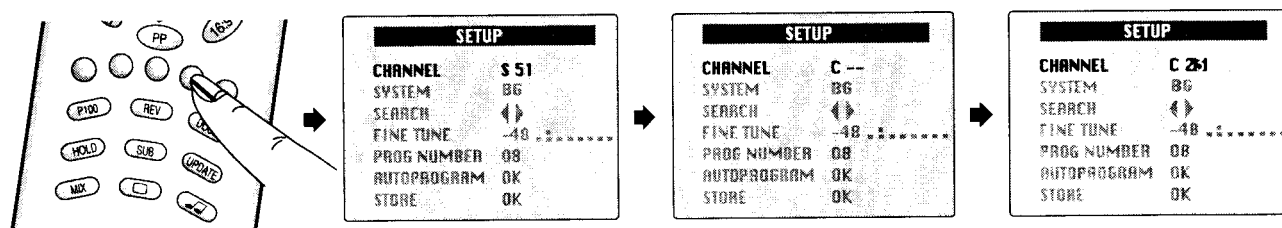


- Press the blue fastext button on your remote control.
- Setup menu will appear on the screen.
- Select Autoprogramme using **PRV** button.
- Press OK. The Country Selection menu will now appear on the screen.



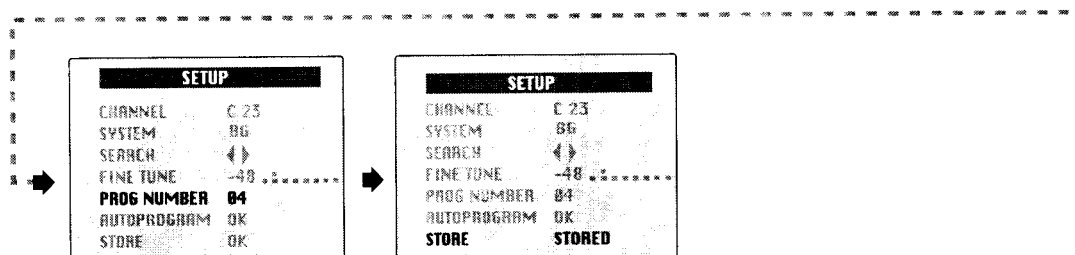
- Select the desired Country using the **PRV/PRV** or **<VOL/VOL>** buttons.
  - Press OK. Your TV will start to search for and store programmes. Meanwhile AUTOPROGRAM WORKING sign will flash on and off on the AUTOPROGRAM row. Once AUTOPROGRAM is completed the TV will automatically arrange the programmes into order.
  - To stop this process press Menu button. Your TV will sort all stored programmes. During this period AUTOPROGRAM SORTING will appear in SETUP mode.
- Note: If auto sort fails to arrange the programmes in the required sequence please refer to programme edit on page 13.

### Manual tuning and memory:



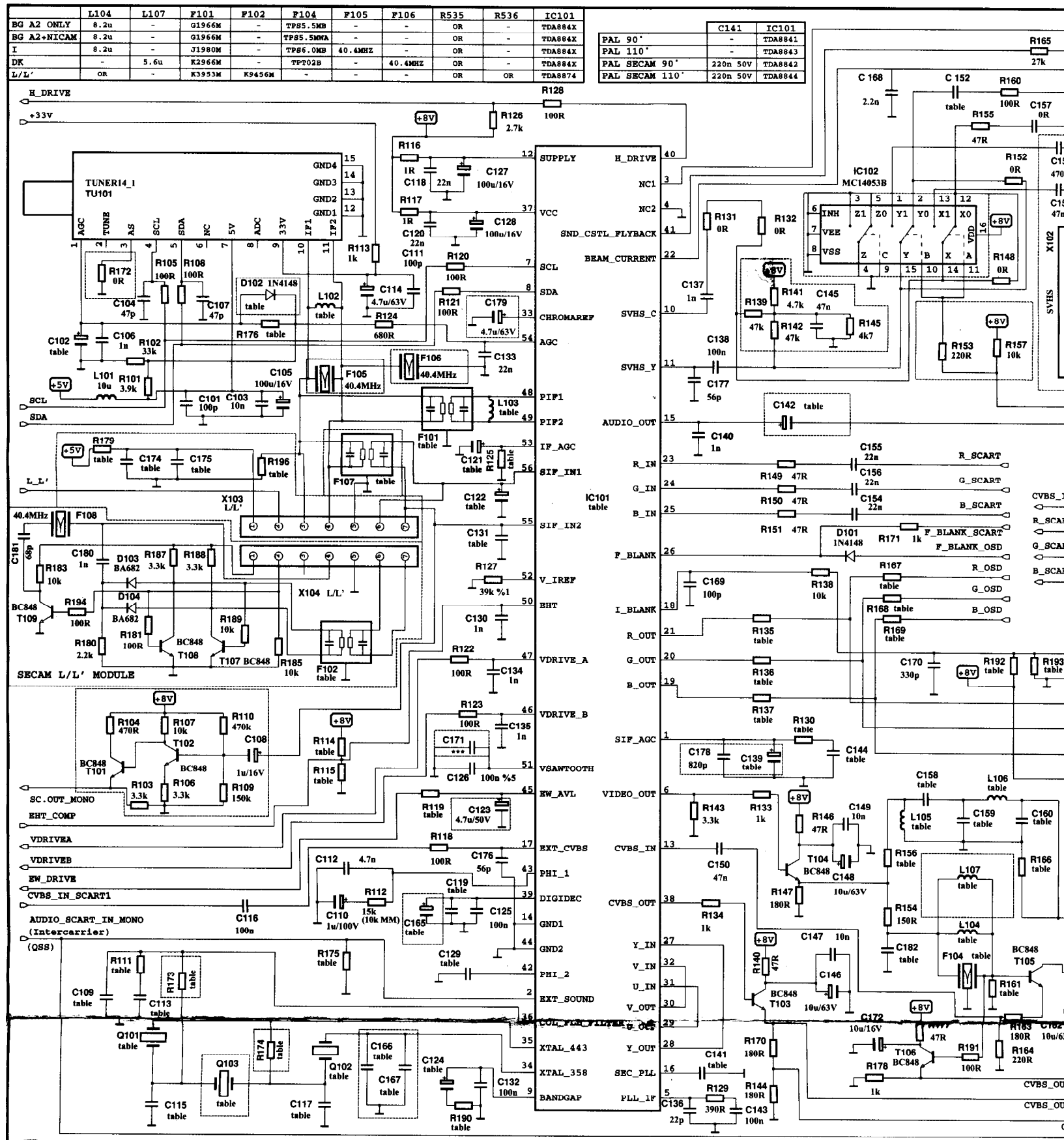
### Tuning with known channel numbers:

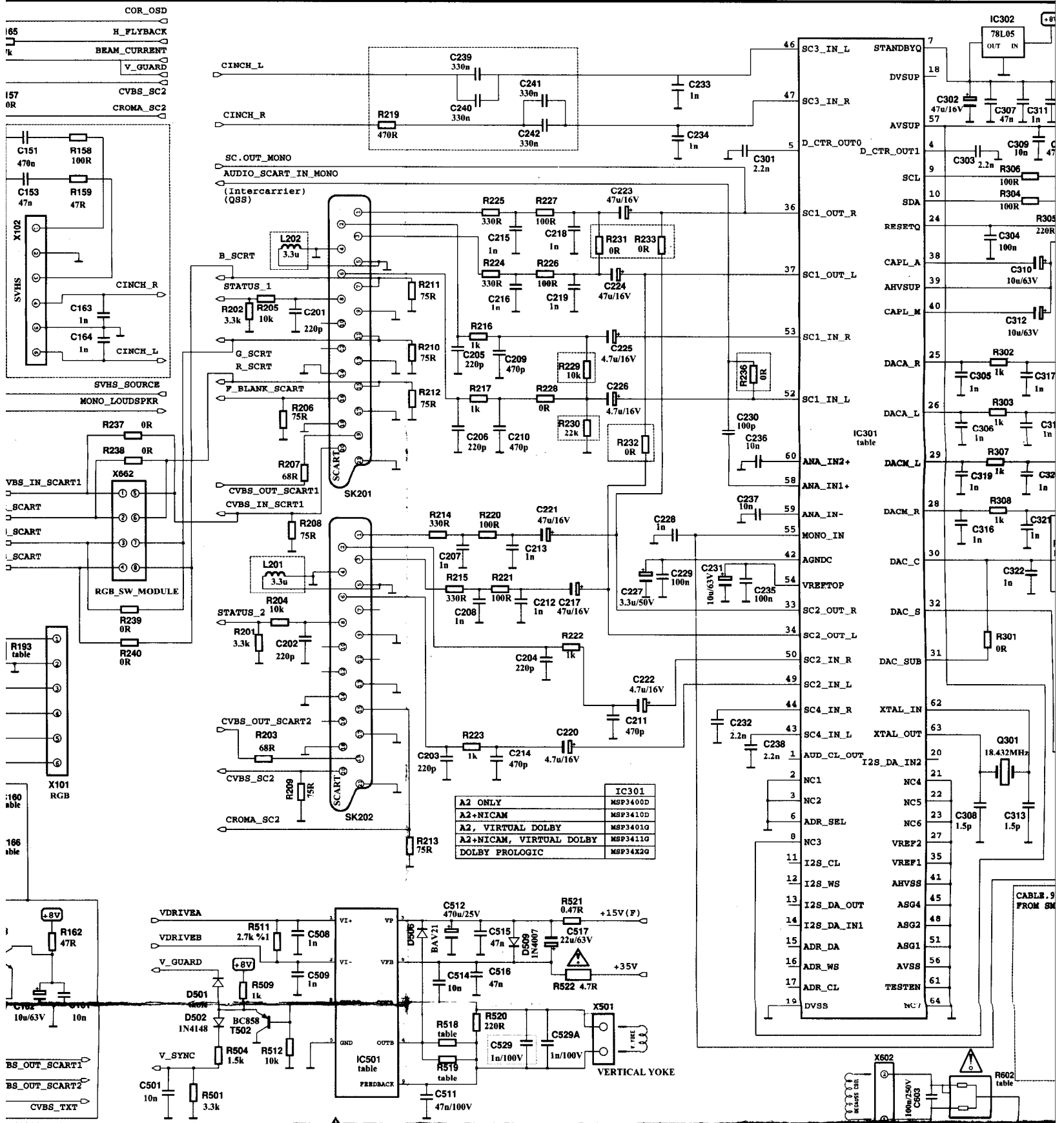
- Press the blue fastext button on your remote control.
- SETUP menu will appear on the screen.
- Press OK button then using **PRV/PRV** and **<VOL/VOL>** buttons select S for cable channels and C for terrestrial broadcast.

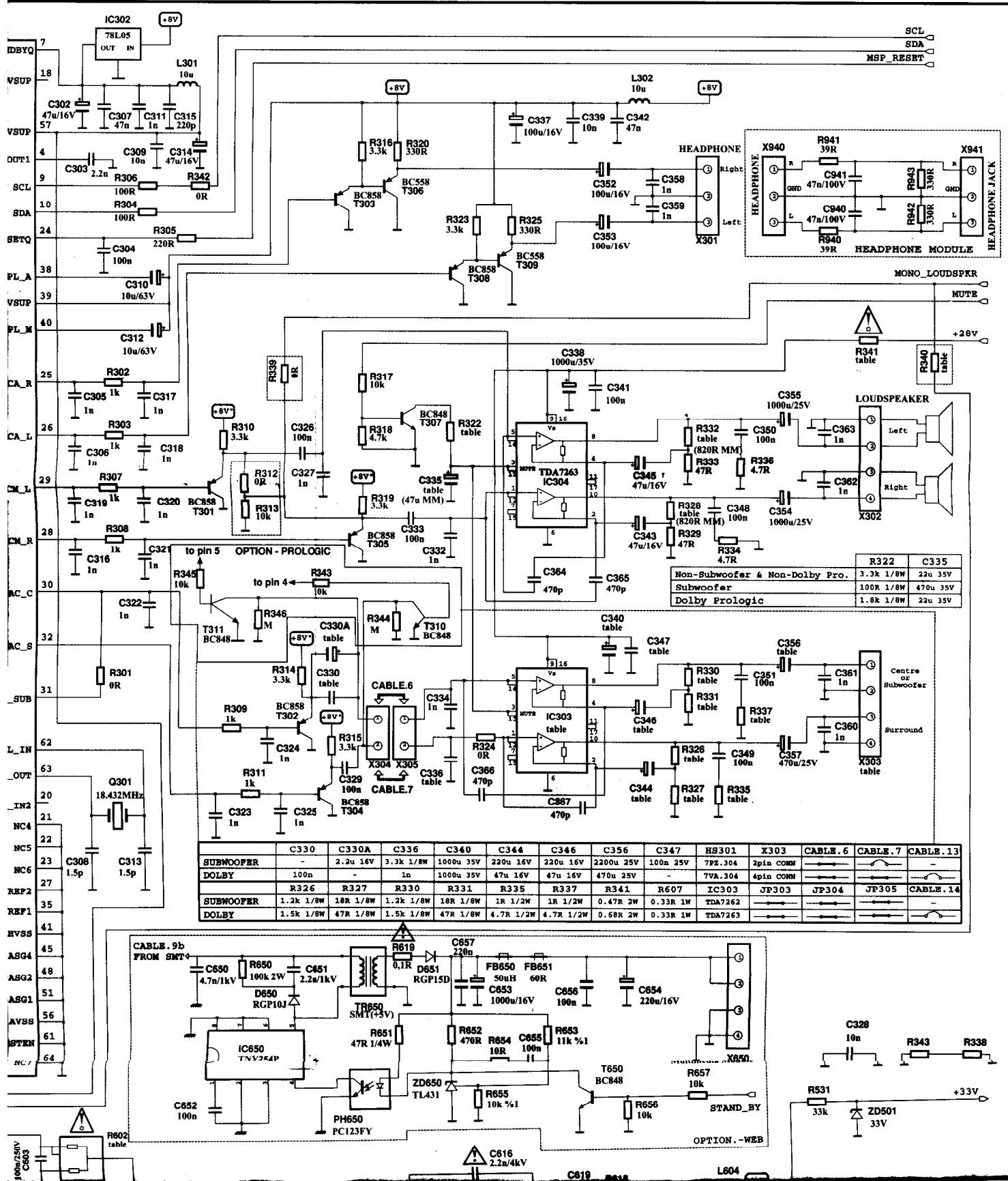


- Press **VOL>** button to select the channel row then enter the channel number using the numeric keys on the remote control.
- Press OK, then select PROG NUMBER using the **PRV** button. Enter the programme number for the channel you have tuned to (ie 01 for BBC1) using the numeric keys on the remote control.
- Select STORE using **PRV** button then press OK to store.

# 14.1 CTV CHASSIS







Non-Subwoofer & Non-Dolby Pro.	R322	C335
Subwoofer	100R 1/8W	470u 35V
Dolby Prologic	1.8k 1/8W	22u 35V

	C330	C330A	C336	C340	C344	C346	C356	C347	HS301	X303	CABLE.6	CABLE.7	CABLE.13
SUBWOOFER	-	2.2u 16V	3.3k 1/8W	1000u 35V	220u 16V	220u 16V	2200u 25V	100u 25V	7P2.304	2pin COMN	-	-	-
DOLBY	100n	-	1n	1000u 35V	47u 16V	47u 16V	470u 25V	-	7VA.304	4pin COMN	-	-	-
	R326	R327	R330	R331	R335	R337	R341	R607	IC303	JP303	JP304	JP305	CABLE.14
SUBWOOFER	1.2k 1/8W	18R 1/8W	1.2k 1/8W	18R 1/8W	1R 1/2W	1R 1/2W	0.47R 2W	0.33R 1W	TDA7262	-	-	-	-
DOLBY	1.5k 1/8W	47R 1/8W	1.5k 1/8W	47R 1/8W	4.7R 1/2W	4.7R 1/2W	0.68R 2W	0.33R 1W	TDA7263	-	-	-	-

