General Information

Chassis: EB2-A
CRT's: A59ECY13X38
A59EAK71X11
Remote Control:
6450036873 (JXSA)
Battery Lid: 6102500189
Main Power Button:
6102550603

Matrix

Item	See Model
Safety Notice	Sanyo CB 1443
Service Adjustments	Sanyo CB 5149
Memory IC Replacement	Sanyo CB 1443
IC Pin Voltages	Sanyo CB 5149
NICAM Diagram	Sanyo CB 5149
Text Diagram	Sanyo CB 5149

Specifications

Give complete "Service Ref. No." for parts order or servicing, it is shown on the rating sheet on the cabinet back of the TV set.

Power Source:	AC 220 - 240V 50 Hz
Television System:	System 1
Colour System:	PAL
Receiving Channel:	UHF 21 - 69
Aerial Input Impedance:	75 ohm
AV Terminal:	
21 pin socket (AV1):	SCART (S- video input)
21 pin socket (AV2):	SCART
Sound Output:	10 watts x 2 (music)
Picture Tube:	63cm diagonal, 110 degree (Visible picture diagonal) 59cm

Recommended Safety Parts

Item	Part No.	Description
C301, C302	4040473602	MT-Polyest 0.1U M 125V
C301, C302	4040440901	MT-Compo 0.1U M 250V
C331	4040606505	Ceramic 2200P M 400V
C331	4040606604	Ceramic 2200P M 400V
C423	4040408109	MT-Polypro 5600P J 1.5K
C423	4040407805	MT-Polypro 5600P J 1.5K
C441	4030828009	Polypro 0.2U J 200V
C442	4030826906	0.12U J 200V
D315	4071058700	Photo Couple PC113B
F301	4230222102	Fuse 250V 4A
L301A	6102216912	Line Filter
L901	6450030031	Degaussing Coil
L901	6450030062	Degaussing Coil
PS301	4080133801	Thermistor PTH451C26BF140M270
Q901	4140071104	CRT A59ECY13X38 (Toshiba)
R331, R332	4020008305	Solid 5.6M KA 1/2W
SW301	6450036811	Switch, Push Power 2P - 2T
T311	6450032998	Trans, Power, Pulse
T381	6100333758	Power, Trans
T381	6102404722	Power, Trans
T471	6450033094	Trans, Flyback
W901	6450002458	Power Cord
Philips CRT		
C420	4040441502	MT-Polypro 6200P J 1.5K
C420	4040468806	MT-Polypro 6200P J 1.5K
C441	4030827408	Polypro 0.15U J 200V
Q901	4140084104	CRT A59EAK71X11 (Phillips)

Service Adjustments

Service Control Adjustment

B1 Power Supply Adjustment

1: Set VR351 to be mechanical centre before pressing the main switch.
2: Tune the receiver to PAL circular pattern.
3: Set brightness and contrast controls to normal.
4: Connect digital voltmeter to R791 (VR351 side).
5: By using VR351, adjust voltage to 130 ± 0.5V (for 21").
By using VR351, adjust voltage to 150 ± 0.5v (for 25" and 28").

AFT Adjustment

1: Tune the receiver to the clearest station.
2: By using T121, adjust AFT to obtain best picture.

AGC Adjustment

Note: Do not attempt this adjustment with a weak signal.

1: Tune the receiver to the clearest station.
2: Set AGC VR (VR120) in direction which causes snow noise to appear, then in the opposite direction until snow noise just disappears.

Grey Scale Adjustment

(Screen VR Adjustment)
1: Tune the receiver to white pattern.
2: Set brightness control to display centre and contrast control to normal.
3: Set SW220 to "SERVICE" position.
4: Set VR602 and VR612 to be mechanical centre.
5: Turn VR601, VR611 and VR621 fully counter-clockwise.
6: Set screen VR for one colour to be just visible.

(Bias VR Adjustment)
7: By using VR601, VR611 or VR621, adjust line until white.
8: Set SW220 to "NORMAL" position.

(Drive VR Adjustment)
9: By using VR602 and VR612, adjust white balance.

High Voltage and Width Adjustment

(High Voltage Adjustment)
1: Tune the receiver to PAL circular pattern.
2: Set brightness and contrast controls to maximum.
3: Connect digital voltmeter to both terminals of R232 (left side) (+), and a high voltage meter to the CRT anode.
4: Confirm high voltage to be 25.0 ± 1kV at beam current 1.0, and less than 28.0 kV at 0 beam current (for 21").
Confirm high voltage to be 26.0 ± 1kV at beam current 1.1 and less than 29.0kV at 0 beam current (for 25" and 28").

(H-Width Adjustment)
5: If H-width is too wide or narrow, connect or disconnect a lead wire J150 (for 21").
Adjust VR462 to obtain proper H-width (for 25" and 28").
6: Reconfirm high voltage.

H-Centre Adjustment

1: Tune the receiver to the circular pattern.
2: Adjust H-centre by using VR401.

V-Centre Adjustment

1: Tune the receiver to circular pattern.
2: Adjust V-centre by using SW451.

V-Size Adjustment

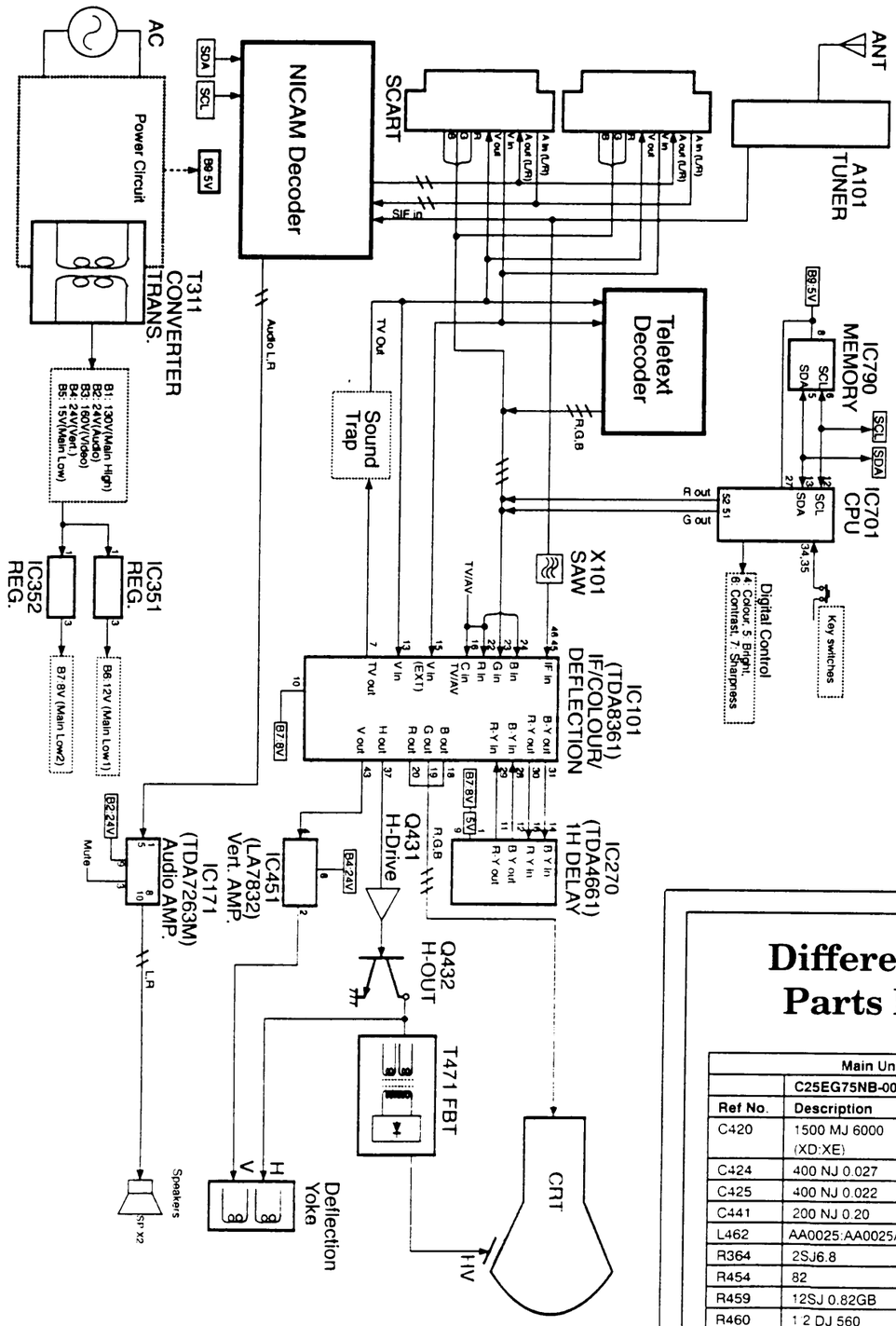
1: Tune the receiver to the circular pattern.
2: Adjust V-size by using VR451.

Focus Adjustment

By using FOCUS VR, adjust focus control for good scanning lines.

Block Diagram

Note: This is a diagram for all models and therefore differs slightly from the actual block diagram.



Differences Parts List

	Main Unit	
	C25EG75NB-00	C25EG75NB-01
Ref No.	Description	Description
C420	1500 MJ 6000 (XD:XE)	1500 MJ 6200 (XD:XE)
C424	400 NJ 0.027	400 NJ 0.015
C425	400 NJ 0.022	400 NJ 0.015
C441	200 NJ 0.20	200 NJ 0.15
L462	AA0025:AA0025A	AA0036:AA0036A
R364	2SJ6.8	2SJ3.3
R454	82	27
R459	12SJ 0.82GB	1SJ 0.68GB
R460	1.2 DJ 560	1SJ 150
R463	1.8K	1.2K
R481	2SJ 1.5GC	2SJ 3.9GC
Out of Circuit Parts		
Q901	A59ECY13X38	A59EAK71X11

Main Diagram