

TOSHIBA

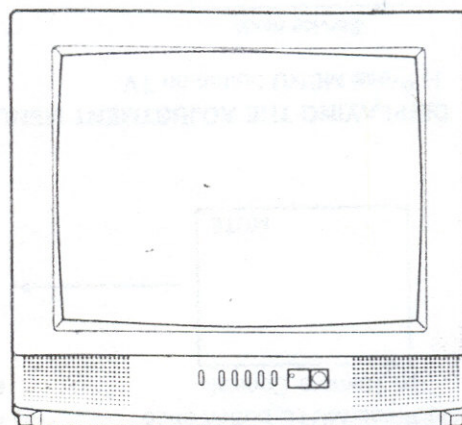
Yokki
FILE NO. 020-9625

SERVICE MANUAL

COLOR TELEVISION

N5ES Chassis

CF19F32, CF19F30
(TAC9625) (TAC9623)



3. SELECTING THE ADJUSTING ITEMS

- 1) Every pressing of CHANNEL ▲ button changes the adjustment items in the following order. (▼ button for reverse order.)

	Item (OSD)	Name of adjustment	Data	Remarks
☆	RCUT	R CUTOFF	40H	
☆	GCUT	G CUTOFF	40H	
☆	BCUT	B CUTOFF	40H	
☆	GDRV	G DRIVE	80H	
☆	BDRV	B DRIVE	80H	
	CNTX	SUB-CONTRAST	56H	
☆	BRTC	SUB-BRIGHT	40H	
☆	COLC	SUB-COLOR	2CH	
☆	TNTC	SUB-TINT	42H	
☆	ATT	ATTENUATOR	20H	
☆	STVC	STEREO VCO	20H	
☆	STRF	STEREO FILTER	20H	
☆	WBAN	STEREO SEPARATION	20H	
☆	SPEC	SPECTRAL	20H	
☆	SAVC	SAP VCO	20H	
☆	HPOS	HORIZ. POSITION	16H	
☆	VPOS	VERT. POSITION	02H	
☆	HIT	HEIGHT	23H	
	LIN	V-LINEARITY	07H	Not used
	VSC	V-S CORRECTION	0AH	Not used
	VPS	V-SHIFT	0DH	Not used
	VCP	V-COMPENSATION	04H	Not used
	WID	PICTURE WIDTH	25H	Not used
	DPC	E-W PARABOLA (DPC)	13H	Not used
	CNR	E-W CORNER	06H	Not used
	TRAP	TRAPEZIUM	10H	Not used
	HCP	H-COMPENSATION	03H	Not used
	VFC	V-F CORRECTION	0FH	Not used
	PCOL	PIP COLOR	20H	Not used
	PHUE	PIP TINT	40H	Not used

☆ These adjustments may be required when replacing QA02 and Q501.

4. ADJUSTING THE DATA

- 1) Pressing of VOLUME ▲ or ▼ button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

5. EXIT FROM SERVICE MODE

- 1) Press POWER button to turn off the TV once

INITIALIZATION OF MEMORY DATA OF QA02

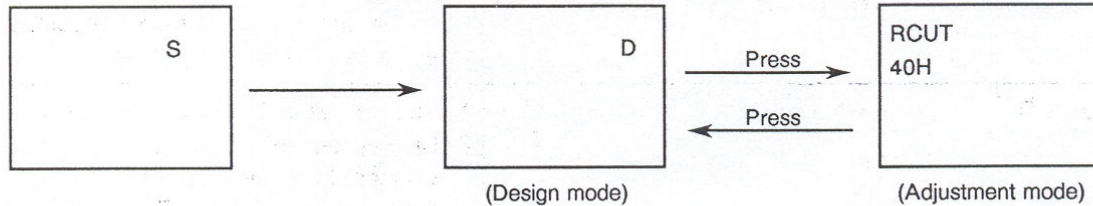
After replacing QA02, the following initialization is required.

1. Enter the service mode, then select any register item.
 2. Press and hold the RECALL button on the Remote, then press the CHANNEL button on the TV. The initialization of QA02 has been completed.
 3. Check the picture carefully. If necessary, adjust any adjustment item above.
Perform "Programming Channel memory" on page 11 and 16.
- CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

DESIGN MODE

1. ENTERING TO DESIGN MODE

- 1) Select the Service mode. 2) Keep pressing RECALL button on Remote and press MENU button on TV. 3) Press MENU button on TV.



When QA02 is initialized, items "OPT0" and "OPT1" of DESIGN MODE are set to the data of CF20F40 which is a representative model of this chassis family. Therefore, because ON-SCREEN specification remains in the state of CF20F40. CF19F30, CF19F32 are required to reset the data of items "OPT0" and "OPT1".

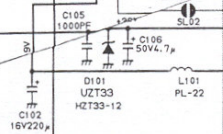
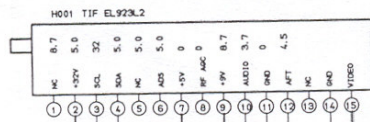
2. SELECTING THE ADJUSTING ITEMS

Every pressing of CHANNEL ▼ button changes the adjustment items in the following order.

Item	Name of adjustment	Data			Remarks
		Preset Data	CF19F30	CF19F32	
RCUT					
OPT1	OPTION 1	06	07	07	
OPT0	OPTION 0	02	67	03	
OSD					
...					
RCUT					

3. ADJUSTING THE DATA

Pressing of VOLUME ▲ or ▼ button will change the value of data.



1V(p-p) (H)

5V-2

VIDEO-1

PV03

RV01

75

1.6K

RV01

75

1.6K

RV01

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1.6K

RV01

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RV01

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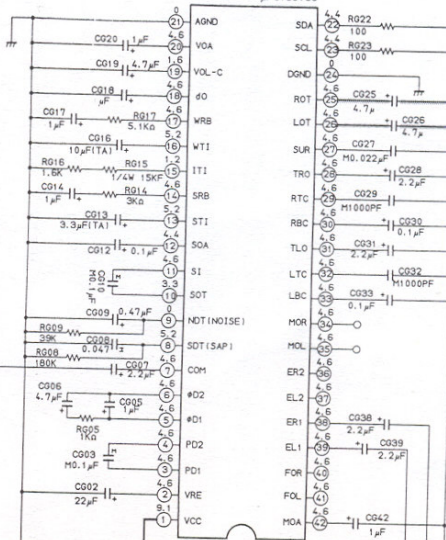
1.6K

RV01

75

1.6K

Q001 μPC1651CU



Q005

25C2655Y

1/4W 1/2W

Q002

RD1 DESA82

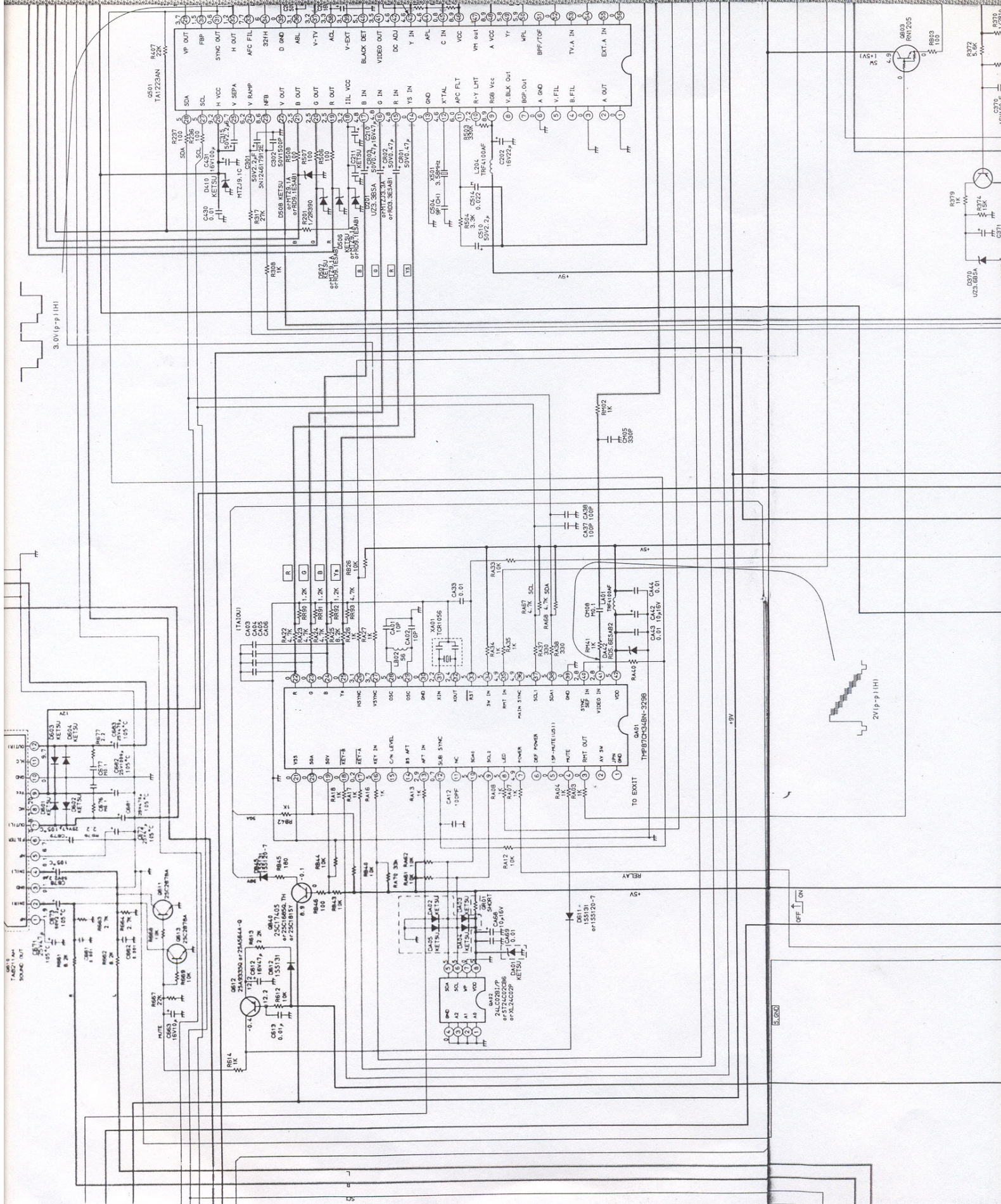
RD1

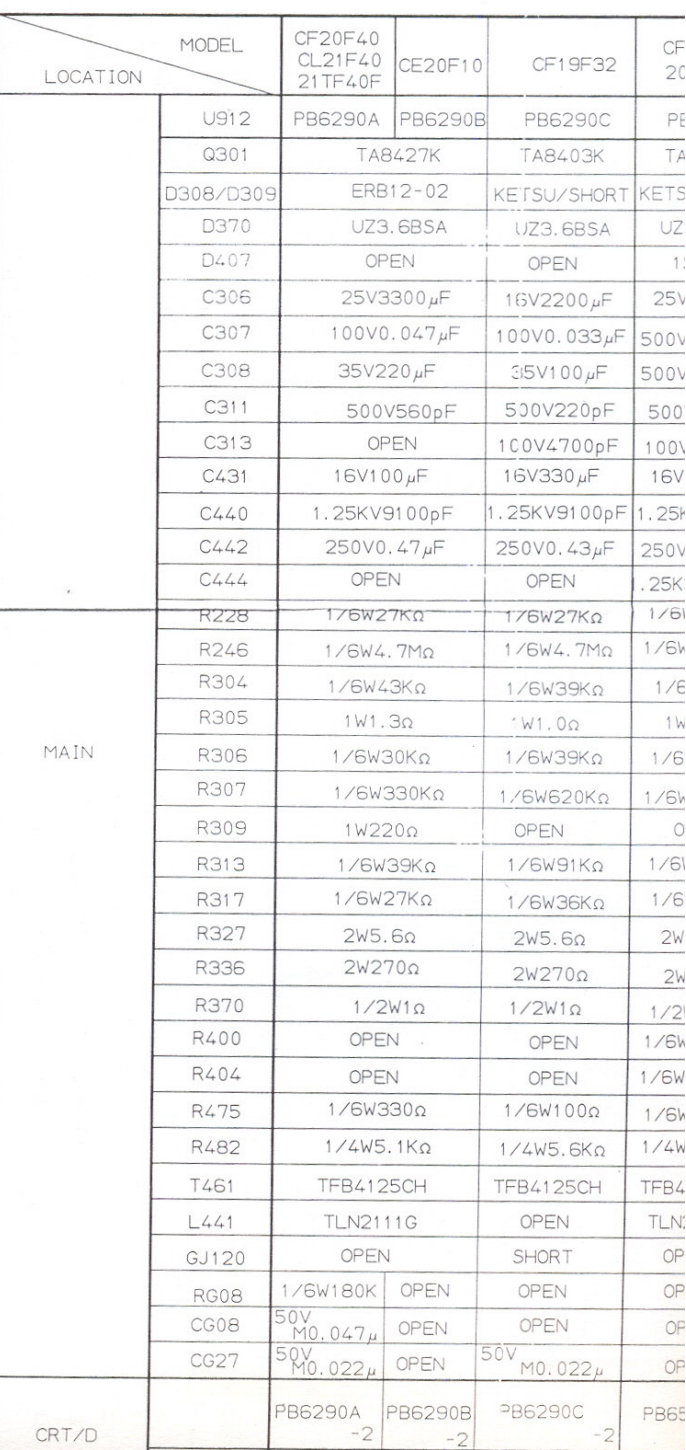
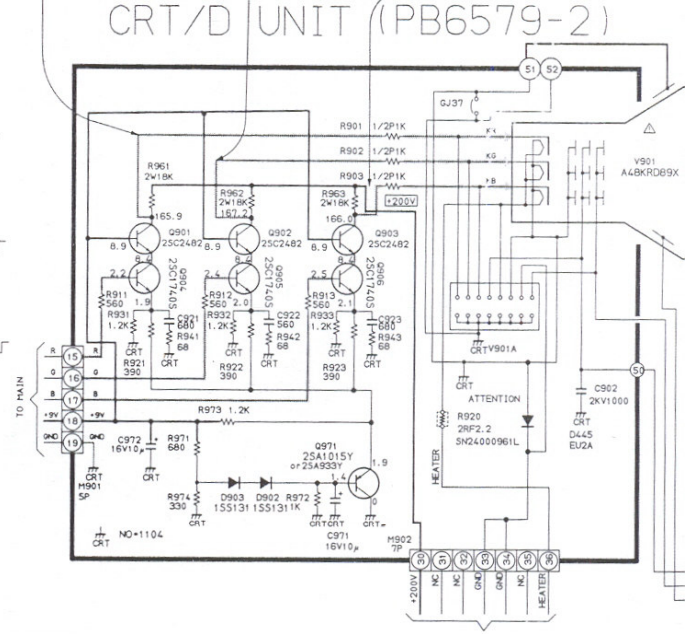
16V100μ

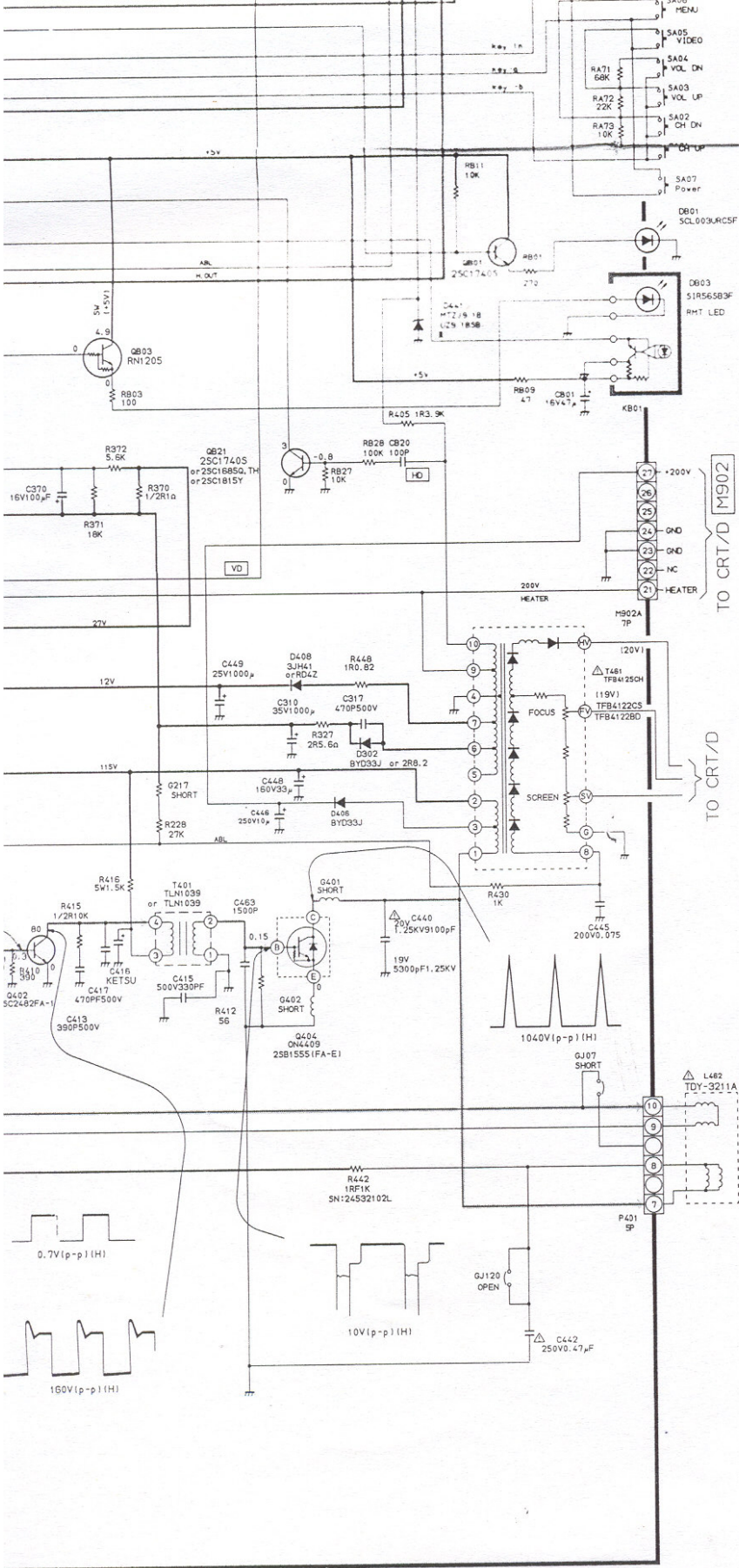
16V100μ

16V100μ

5V



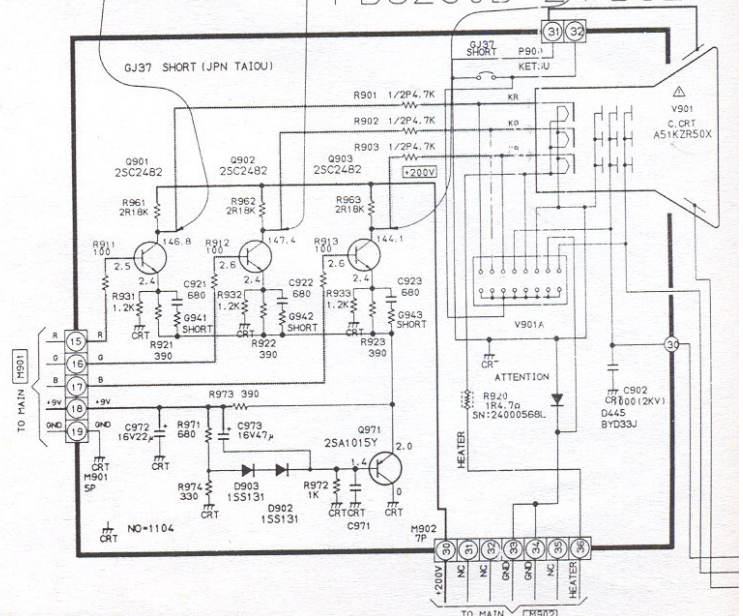




MAIN

C431	16V100μF	16V330μF	16V100μF
C440	1.25KV9100pF	1.25KV9100pF	1.25KV330μF
C442	250V0.47μF	250V0.43μF	250V0.33μF
C444	OPEN	OPEN	1.25KV330μF
R228	1/6W27KΩ	1/6W27KΩ	1/6W36KΩ
R246	1/6W4.7MΩ	1/6W4.7MΩ	1/6W2.7MΩ
R304	1/6W43KΩ	1/6W39KΩ	1/6W43KΩ
R305	1W1.3Ω	1W1.0Ω	1W1.3Ω
R306	1/6W30KΩ	1/6W39KΩ	1/6W30KΩ
R307	1/6W330KΩ	1/6W620KΩ	1/6W330KΩ
R309	1W220Ω	OPEN	OPEN
R313	1/6W39KΩ	1/6W91KΩ	1/6W39KΩ
R317	1/6W27KΩ	1/6W36KΩ	1/6W27KΩ
R327	2W5.6Ω	2W5.6Ω	2W4.7Ω
R336	2W270Ω	2W270Ω	2W56Ω
R370	1/2W1Ω	1/2W1Ω	1/2W1Ω
R400	OPEN	OPEN	1/6W1Ω
R404	OPEN	OPEN	1/6W3Ω
R475	1/6W330Ω	1/6W100Ω	1/6W330Ω
R482	1/4W5.1KΩ	1/4W5.6KΩ	1/4W5.1KΩ
T461	TFB4125CH	TFB4125CH	TFB4125CH
L441	TLN2111G	OPEN	TLN2111G
GJ120	OPEN	SHORT	OPEN
RG08	1/6W180K	OPEN	OPEN
CG08	50V M0.047μ	OPEN	OPEN
CG27	50V M0.022μ	OPEN	50V M0.022μ
CRT/D	PB6290A-2	PB6290B-2	PB6290C-2
	R920	1W4.7Ω	1W4.7Ω
OTHER	V901	A51KZR50X	A48KZL70X
	L462	TDY-3211A	TDY-320QS
	L901	TSB2100	TSB2100

CRT/D. UNIT (PB6290A-2/PB6290B-2/PB6290C-2)



PB6290D-1 (CF19F30)