

JVC

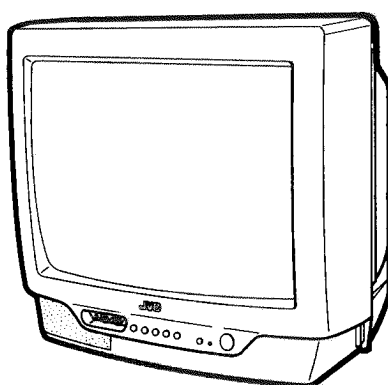
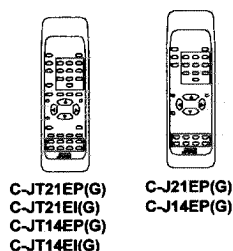
SERVICE MANUAL

COLOUR TELEVISION

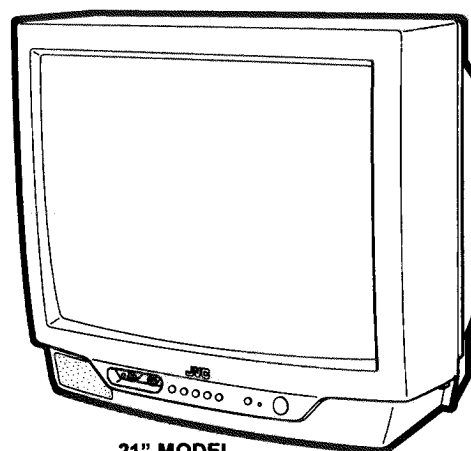
BASIC CHASSIS

JG

C-JT14EP_(G) **C-JT21EP_(G)**
C-J14EP_(G) **C-J21EP_(G)**
C-JT14EI_(G) **C-JT21EI_(G)**



14" MODEL



21" MODEL

CONTENTS

■ SPECIFICATIONS	2
★ OPERATING INSTRUCTIONS	1-1
■ SAFETY PRECAUTIONS	4
■ SPECIFIC SERVICE INSTRUCTIONS	8
■ SERVICE ADJUSTMENTS	16
★ STANDARD CIRCUIT DIAGRAM (APPENDED)	2-1
■ PARTS LIST	33

[21" MODEL]

	C-JT21EP(G)	C-J21EP(G)	C-JT21EI(G)
MAIN PWB ASS'Y	SJG-1704A-U2	SJG-1703A-U2	SJG-1202A-U2
POWER CORD	AEEMP001-185	←	AEEMP003-185A
FRONT CABINET	LC10155-002B-U	LC10155-003B-U	LC10155-001B-U
PIN CAP	—	—	LC30343-001B-U
RATING LABEL	LC20078-006A-U LC20129-005A-U	LC20078-007A-U LC20129-006A-U	LC20080-004A-U
EURO LABEL	AEM1039-002-E	AEM1039-004-E	AEM1039-003-E
CUSHION ASS'Y	LC10158-003A-U	←	LC10158-004A-U
PACKING CASE	AEM1002-060-E	←	AEM1002-059-E
INSTBOOK	LCT0351-001A-U	←	LCT0353-001A-U
S.DIAGRAM	C-JT2114EPGHS AE	←	—
REMOCON UNIT	RM-C370-2H	RM-C371-2H	RM-C370-2H
TV STAND	—	—	RK-CM30(A)(Z)

SERVICE ADJUSTMENTS

BEFORE STARTING SERVICE ADJUSTMENT

1. There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
2. The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
3. Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.
4. Make sure that connection is correctly made to AC power source.
5. If the receive or input signal is not specified, use the most appropriate signal for adjustment..
6. Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
7. Preparation for adjustment (presetting):
Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT:

PICTURE MODE (VSM)	NORMAL
SLEEP TIMER	OFF

MEASUREING INSTRUMENT AND FIXTURES

1. DC voltmeter (or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [PAL/SECAM/NTSC]
4. Remote control unit

ADJUSTMENT ITEMS

Adjustment item	Adjustment item
B1 POWER SUPPLY CHECK	DEFLECTION CIRCUIT ADJUSTMENT
FOCUS ADJUSTMENT	VSM PRESET ADJUSTMENT
IF CIRCUIT ADJUSTMENT	SETTING of MAX VOLUME
VIDEO/CHROMA CIRCUIT ADJUSTMENT	INITIAL SETTING VALUE OF PRESET

BASIC OPERATION OF SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of settings (adjustments):

- (1) **1. IF** This mode adjusts the setting values of the IF circuit.
- (2) **2.V/C** This mode adjusts the setting values of the VIDEO / CHROMA circuit.
- (3) **3.DEF** This mode adjusts the setting values of the DEFLECTION circuit.
- (4) **4.VSM** This mode sets the initial setting values of **NOMAL** and **GAME**.
(VSM : video status memory)
- (5) **5.PRESET** This mode sets the initial setting values of V/C IC. (*Do not adjust*).
- (6) **6.SHIPPING** This mode sets the initial setting values of shipping.

3. BASIC OPERATION OF SERVICE MENU

(1) How to enter SERVICE MENU

Press the INFORMATION key and the MUTEING key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.

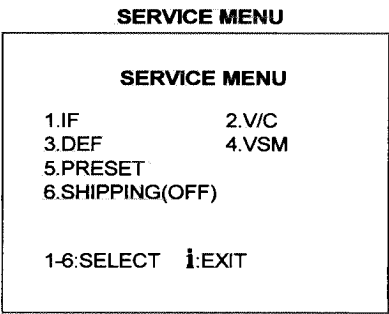


Fig.1

(2) Selection of SUB MENU SCREEN

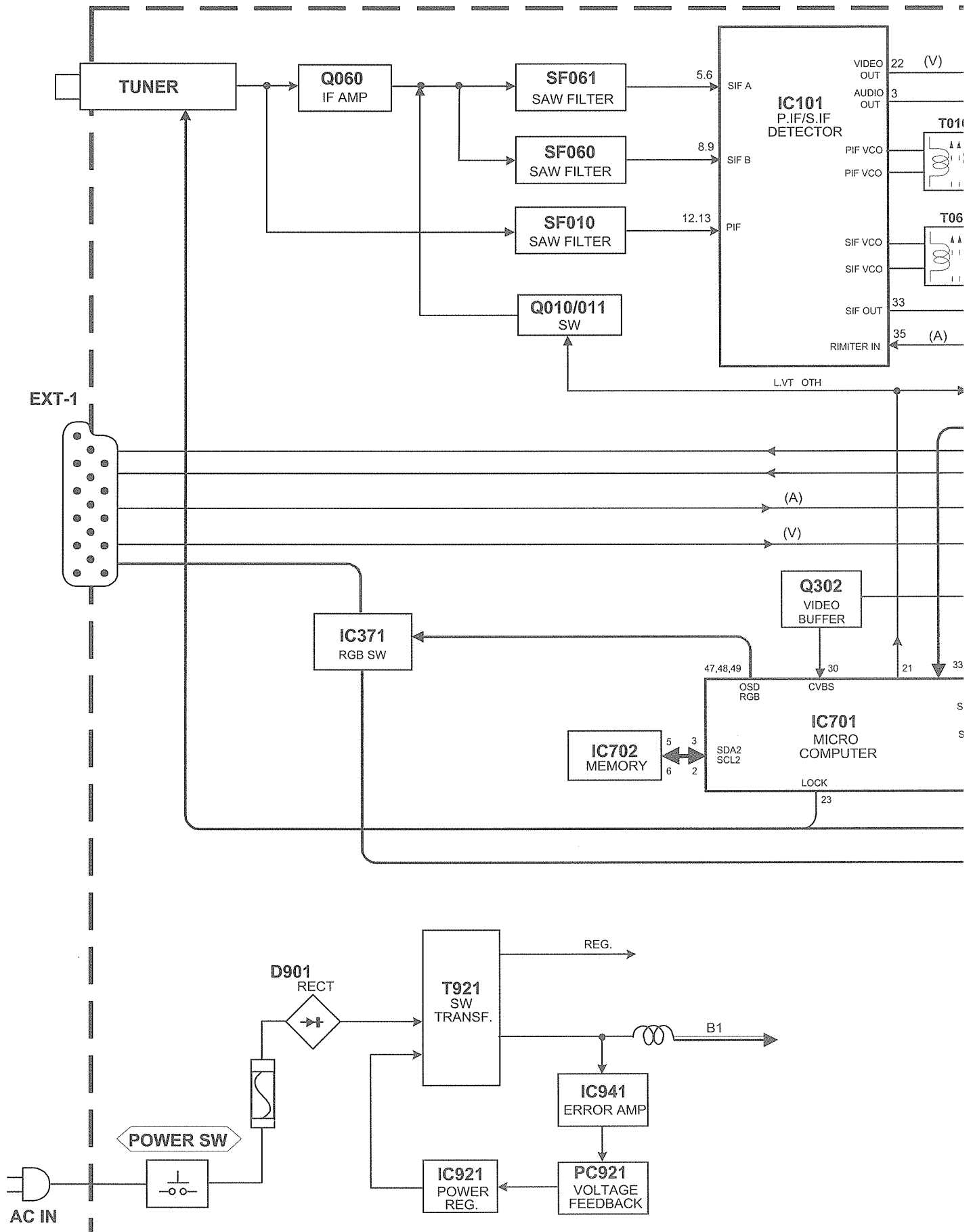
Press one of keys 1~6 of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU → SUB MENU

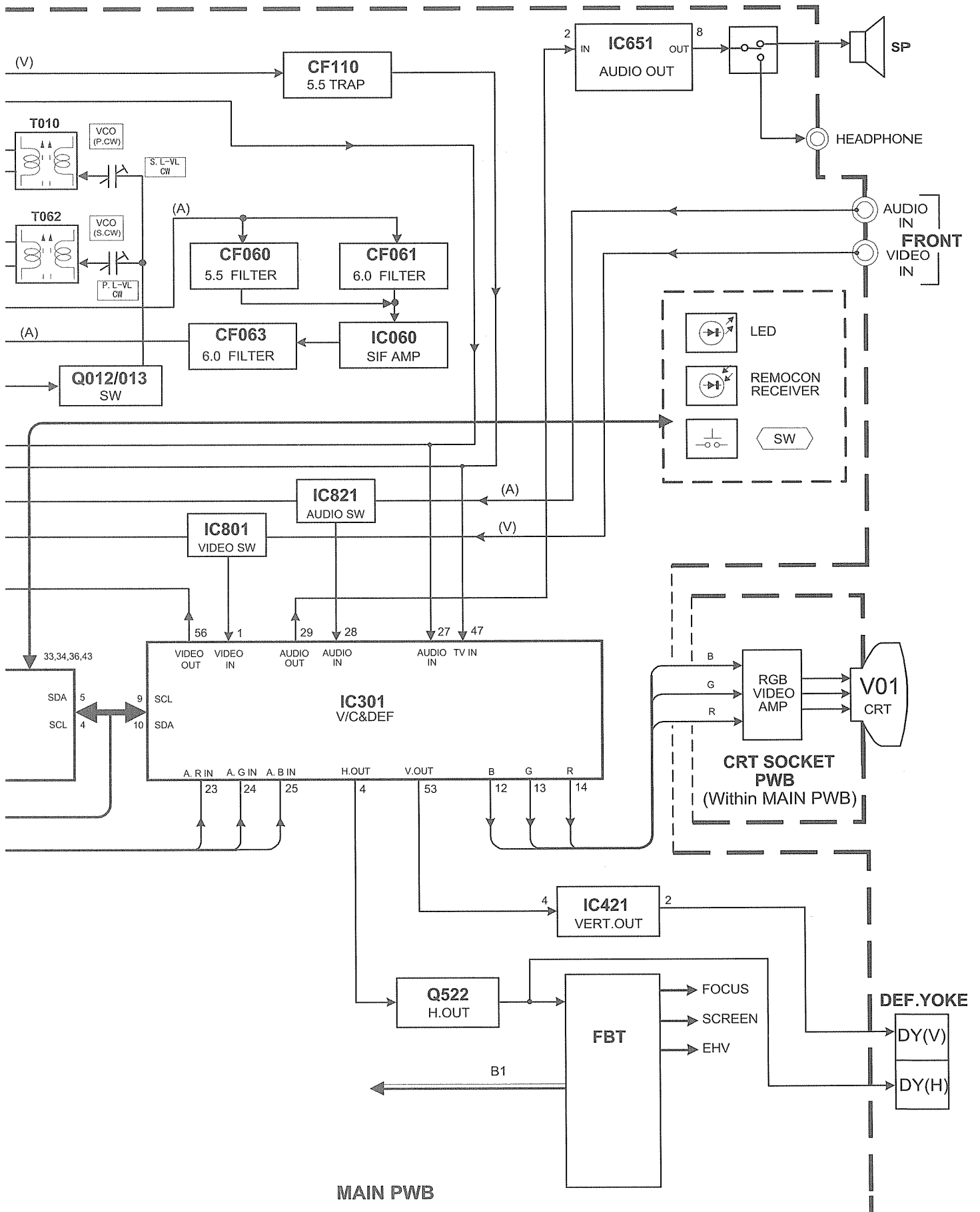
- 1. IF
- 2. V / C
- 3. DEF.
- 4. VSM
- 5. PRESET

Names of key	key
INFORMATION	
MUTING	
MENU	
FUNCTION UP/DOWN	
FUNCTION +/-	

BLOCK DIAGRAM



C-JT14EP C-JT21EP
C-J14EP C-J21EP
C-JT14EI C-JT21EI

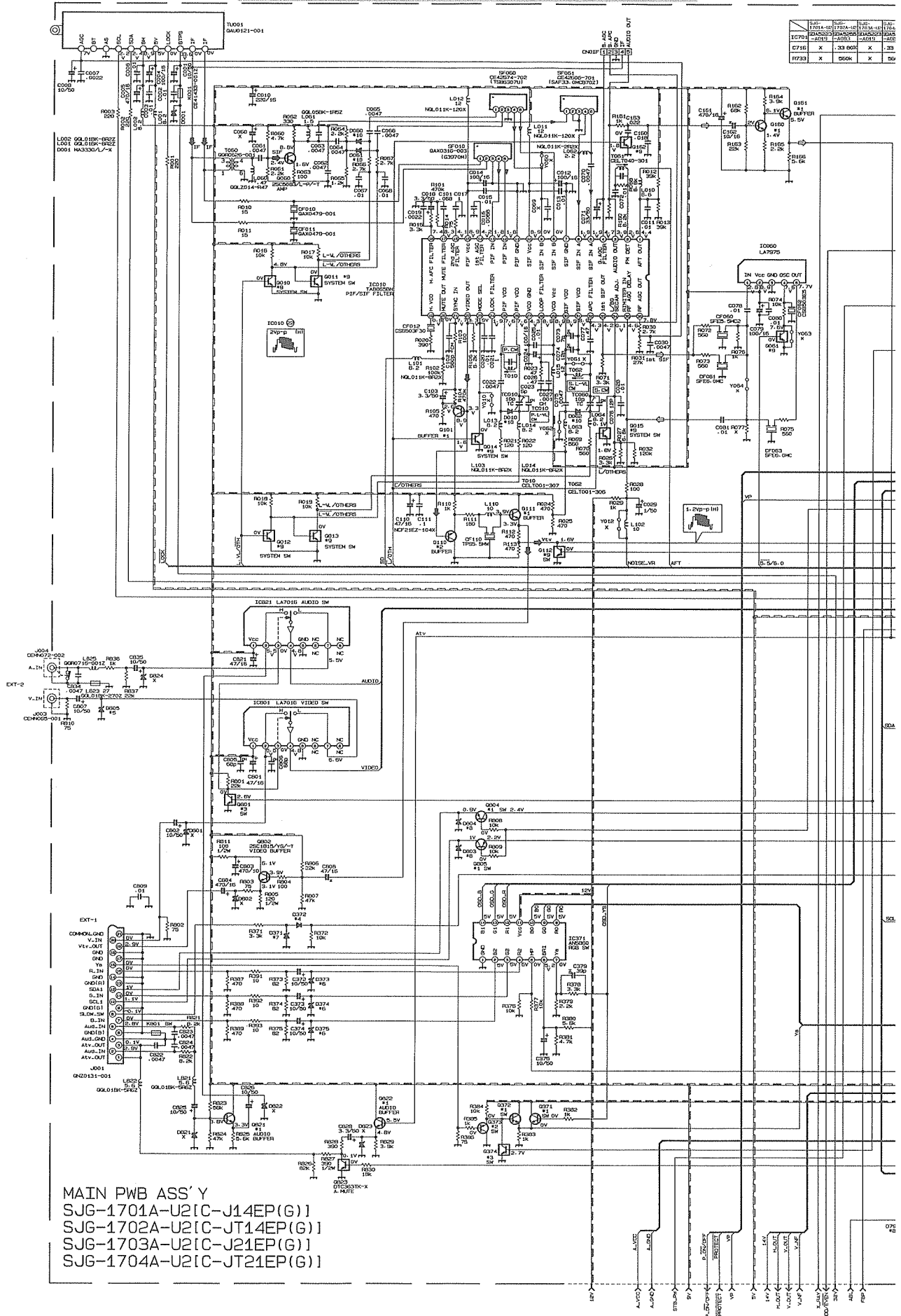


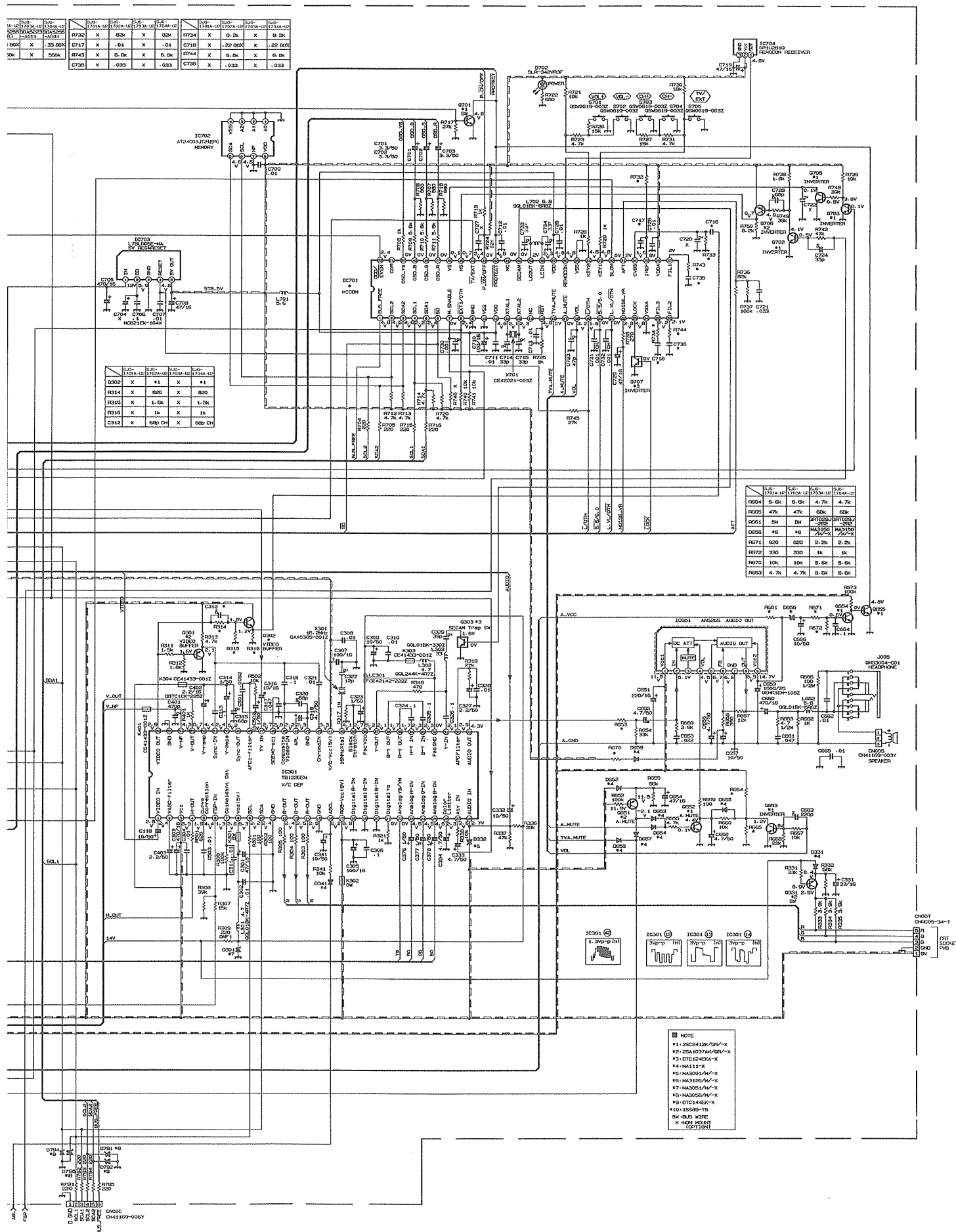
CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM

C-JT14EP C-JT21EP
C-J14EP C-J21EP

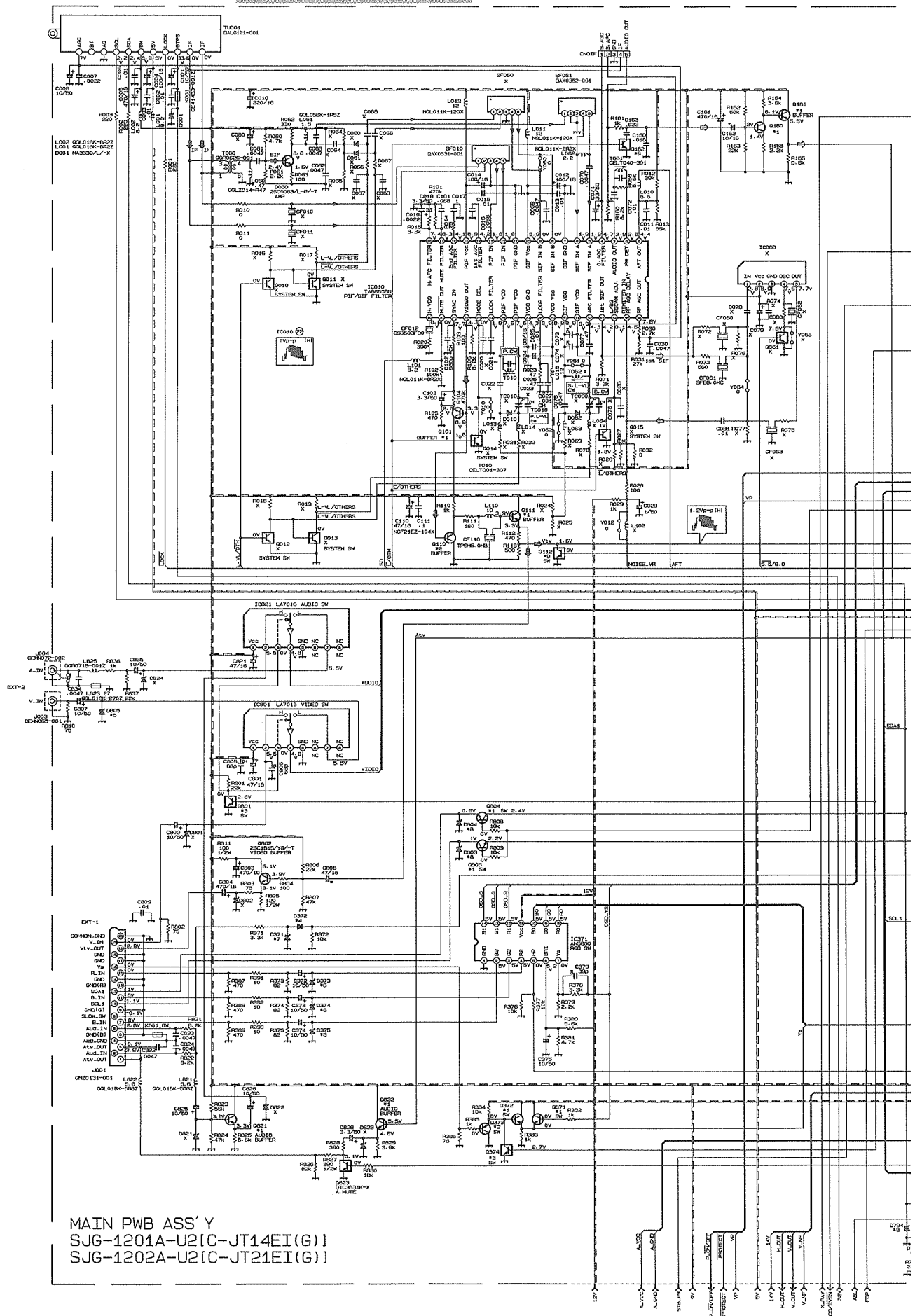
C-JT14EP(G) / C-J14EP(G) / C-JT21EP(G) / C-J21EP(G)



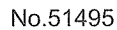


MAIN PWB CIRCUIT DIAGRAM

C-JT14EI(G) / C-JT21EI(G)



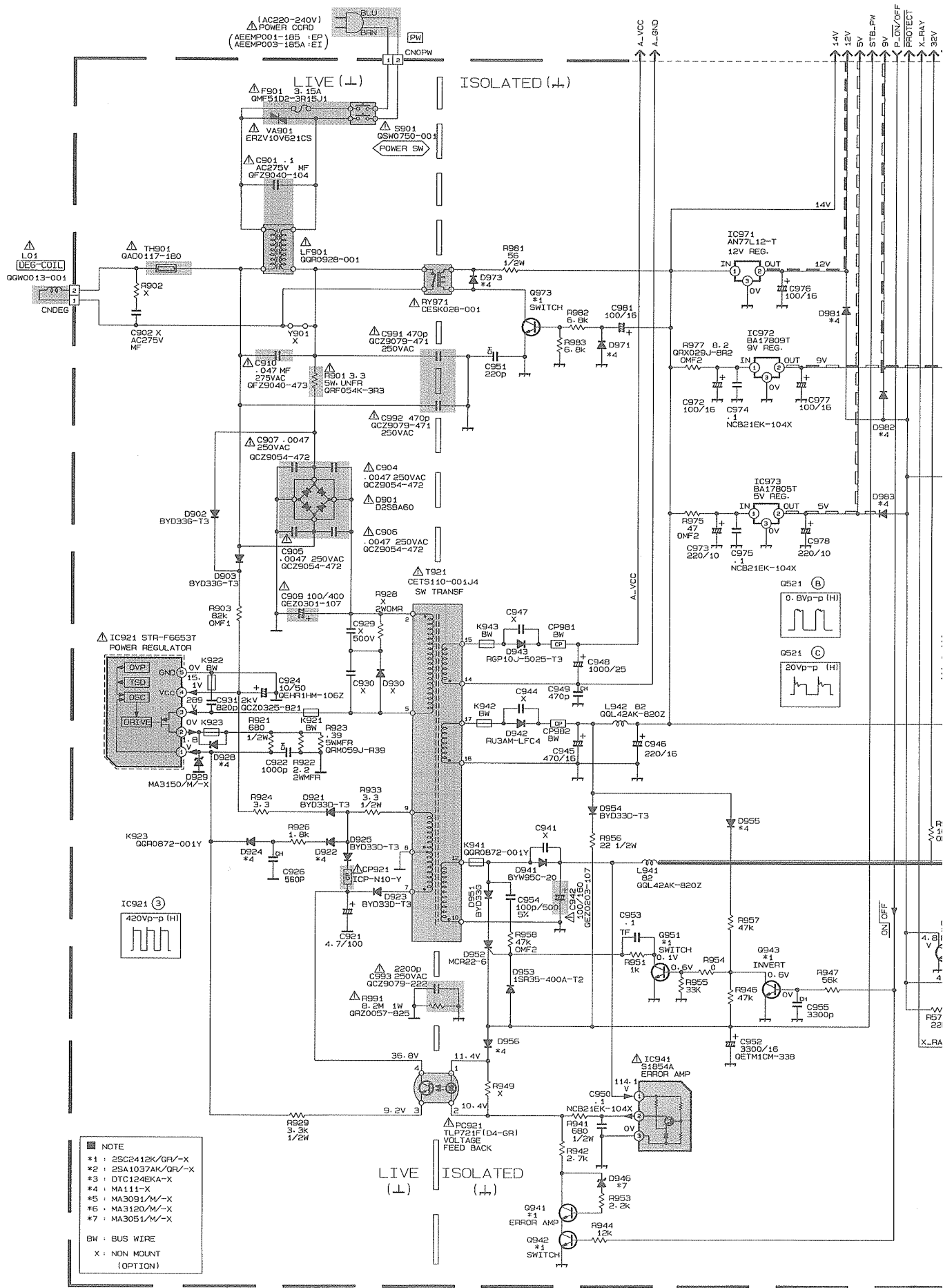
C-JT14EI
C-JT21EI



C-JT14EP
C-J14EP
C-JT14EI

MAIN & CRT SOCKET PWB CIRCUIT DIAGRAM

C-JT14EP(G) / C-J14EP(G) / C-JT14EI(G)

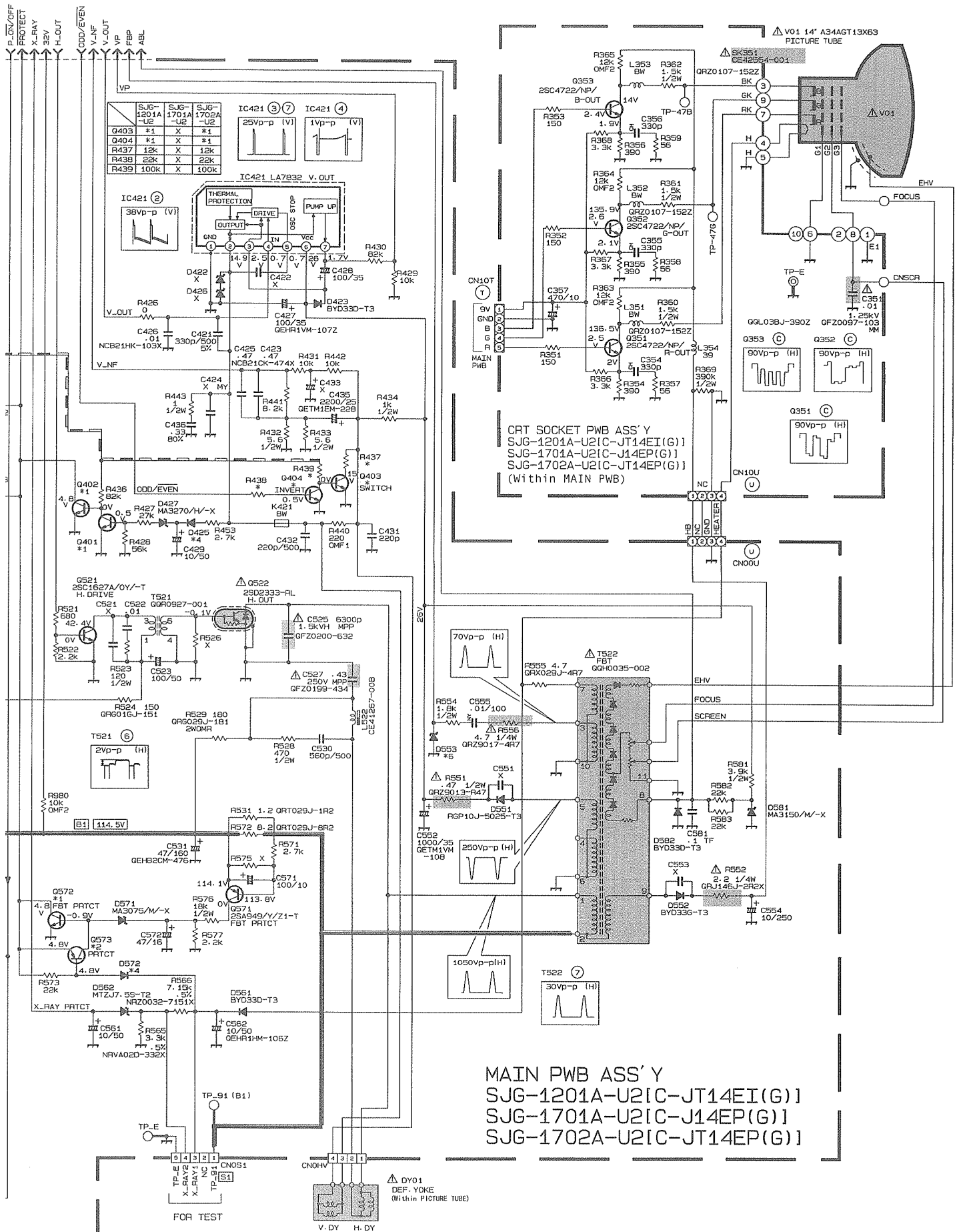


NOTE

- *1 : 25C2412K/QR/-X
- *2 : 25A1037AK/QR/-X
- *3 : DTC124EKA-X
- *4 : MA111-X
- *5 : MA3091/M/-X
- *6 : MA3120/M/-X
- *7 : MA3051/M/-X

BW : BUS WIRE
X : NON MOUNT (OPTION)

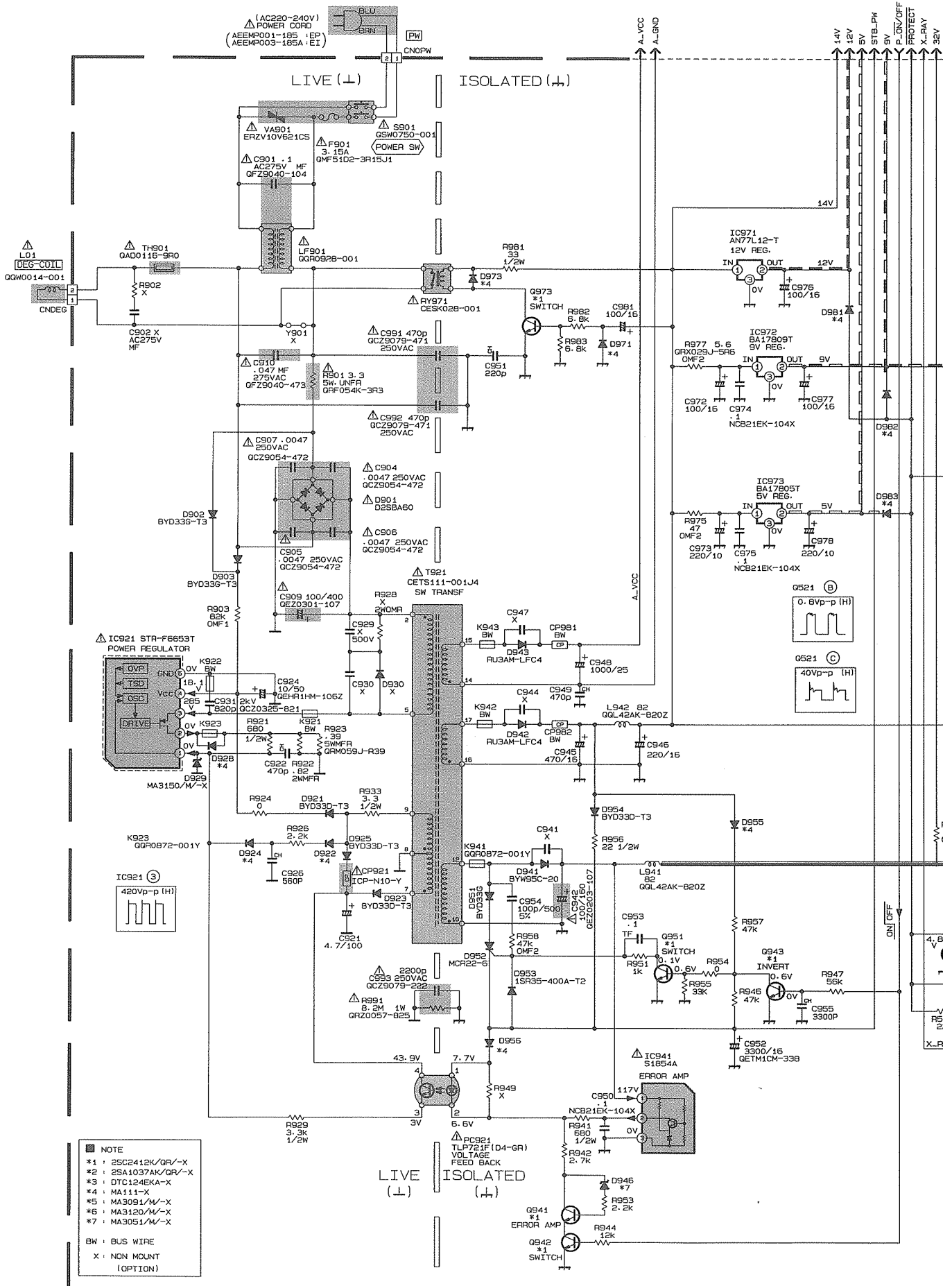
C-JT14EP
C-J14EP
C-JT14EI



MAIN & CRT SOCKET PWB CIRCUIT DIAGRAM

C-JT21EP(G) / C-J21EP(G) / C-JT21EI(G)

C-JT21EP
C-J21EP
C-JT21EI



C-JT21EP
C-J21EP
C-JT21EI

