

JVC

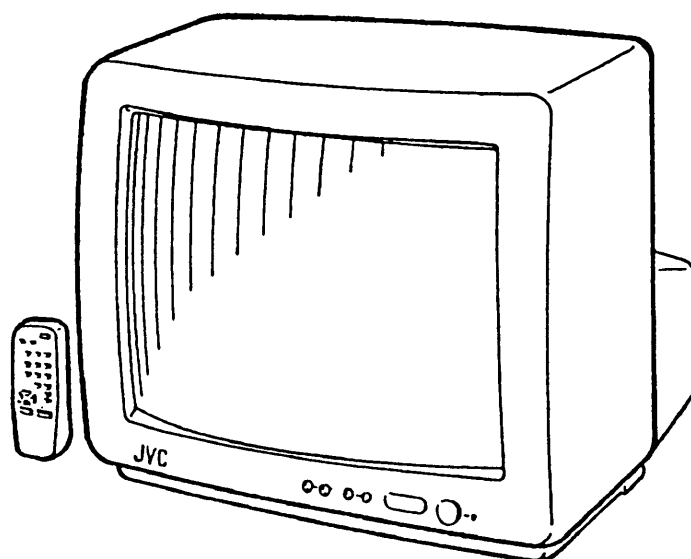
SERVICE MANUAL

14" (36cm) COLOUR TV

C-14A1E_(BE,WE)

BASIC CHASSIS

MV




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C-14A1E_(BE.WE) STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2. SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1) Input signal : PAL Color bar signal
 - (2) Setting positions of each knob/button and variable resistor : Original setting position when shipped
 - (3) Internal resistance of tester : DC 20k Ω /V
 - (4) Oscilloscope sweeping time : H \Rightarrow 20 μ S/div
: V \Rightarrow 5mS/div
: Others \Rightarrow Sweeping time is specified
 - (5) Voltage values : All DC voltage values
- * Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3. INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 \rightarrow R209

4. INDICATIONS ON THE CIRCUIT DIAGRAM

(1) Resistors

• Resistance value

- No unit : [Ω]
- K : [K Ω]
- M : [M Ω]

• Rated allowable power

- No indication : 1/6[W]
- Others : As specified

• Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2) Capacitors

• Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

• Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage[V]
- AC indicated : AC withstand voltage[V]

* Electrolytic Capacitors

- 47/50 [Example]: Capacitance value [μ F]/withstand voltage[V]





• Type

- No indication : Ceramic capacitor
- MY : Mylar capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3) Coils



- No unit : [μ H]
- Others : As specified

(4) Power Supply




-  : B1(117V)
-  : B2(12V)
-  : 9V
-  : 5V

* Respective voltage values are indicated.





(5) Test Point

-  : Test point
-  : Only test point display

(6) Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7) Ground symbol

-  : LIVE side ground
-  : NEUTRAL side ground
-  : EARTH ground
-  : DIGITAL ground

5. NOTE FOR REPAIRING SERVICE

USE ISOLATION TRANSFORMER BECAUSE THIS PRODUCT IS A HOT CHASSIS !

Whenever any service on this product is performed, AC power of the product should be supplied through an adequate capacity isolation transformer whose power supply cord is connected to the wall outlet.

If the above precaution is not respected, an electric shock may be caused when you touched the chassis with the hand.

◇ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

SEMICONDUCTOR SHAPES



2SC1740S(QR)
2SA933S(QR)



2SA673(C)
2SC1627A
2SC1959(Y)
2SK301(P)



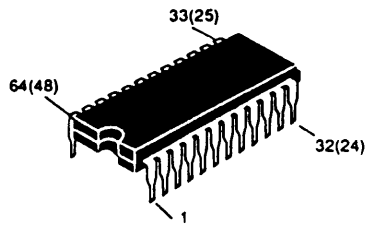
2SC1360
2SC2655(Y)
2SC2229(Y)
2SA1370(E)



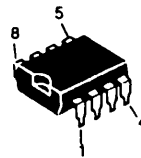
2SD1554
2SD1274A



2SC2371(MLK)



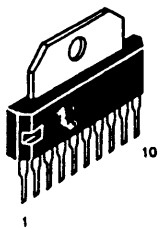
IC
M37103M4
LA7680



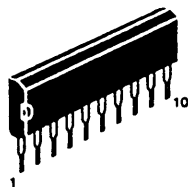
IC
M6M80021P



IC
QPIU721Q



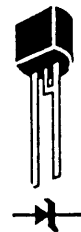
IC
TA7222AP



IC
LA7210



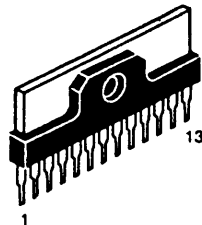
IC
STR50115A



IC
 μ PC574J

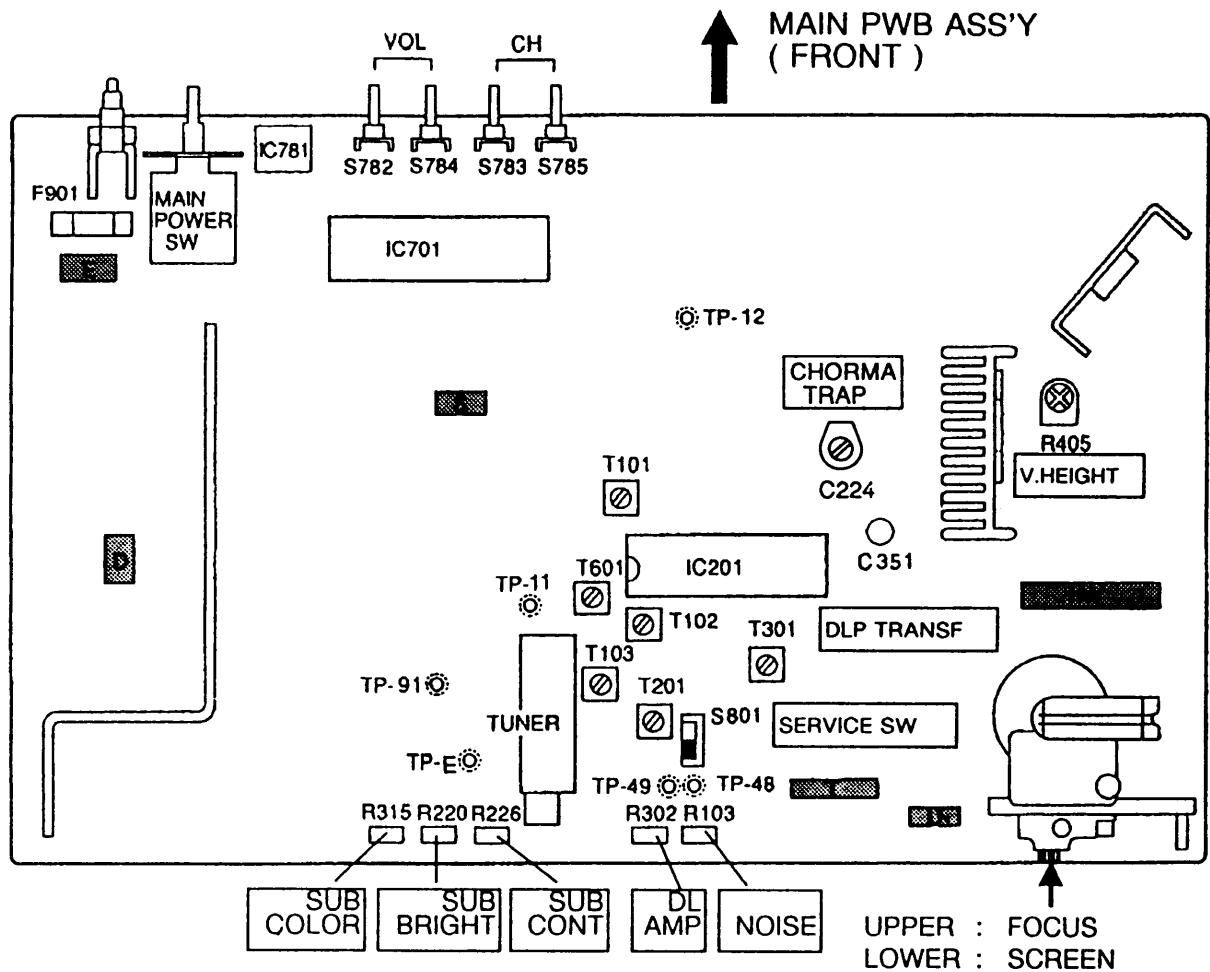


IC
MN1280(Q)

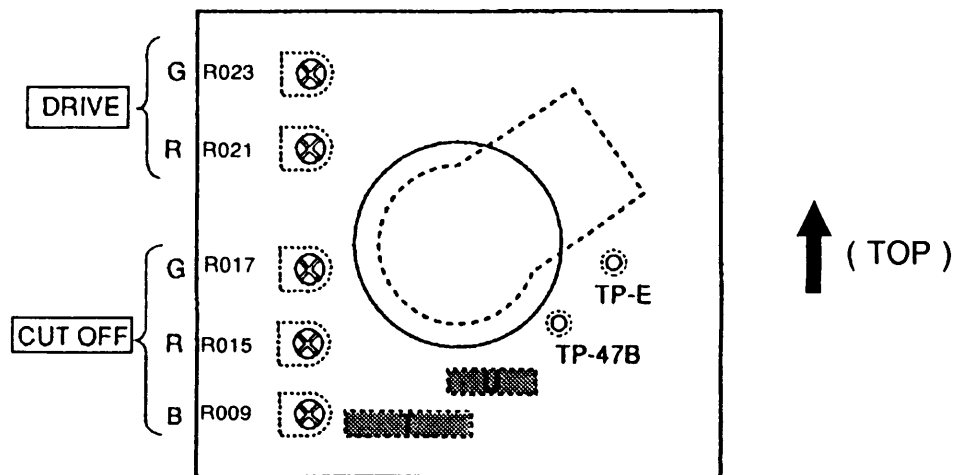


IC
LA7837

MAIN PARTS LOCATION AND ALIGNMENTS LOCATION



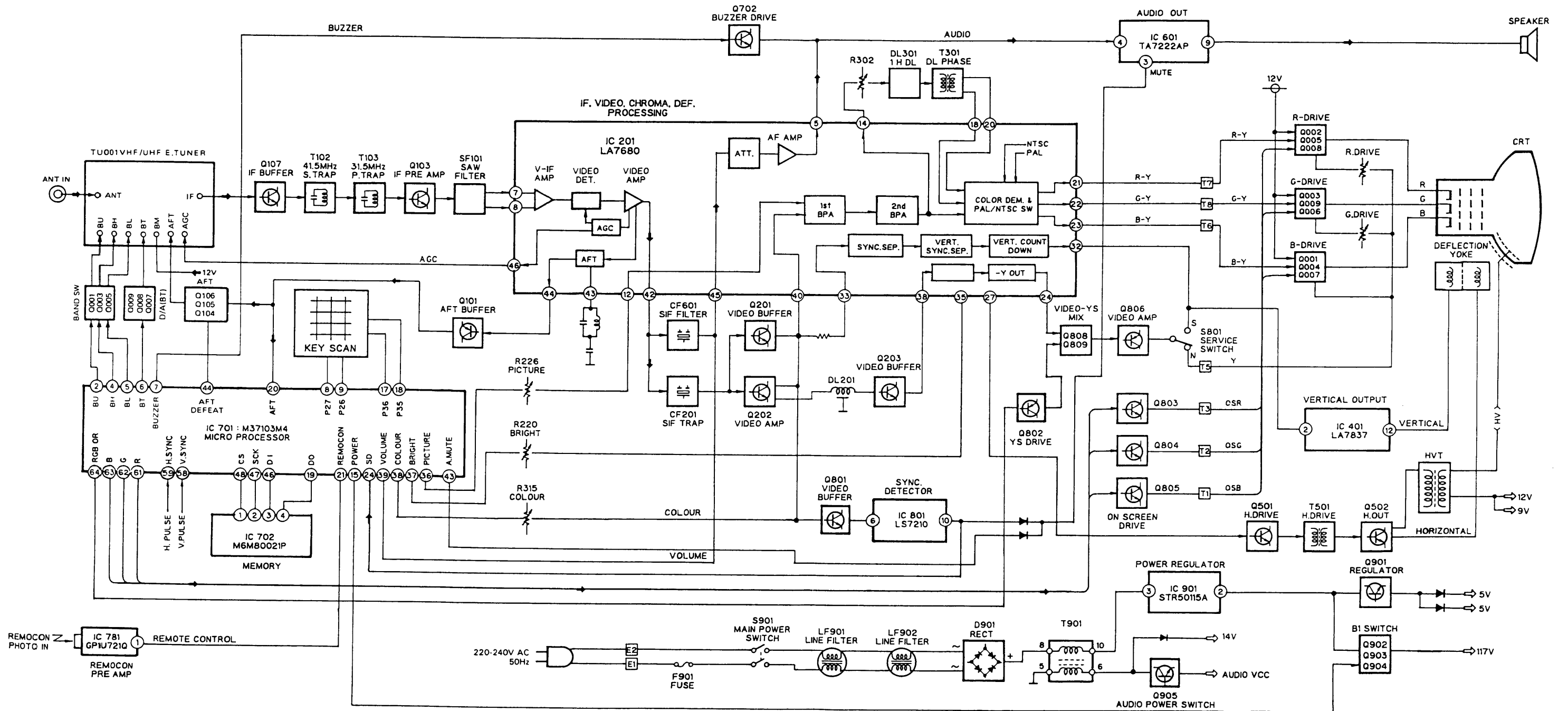
CRT SOCKET PWB ASS'Y (SOLDER SIDE)



WIRING LIST

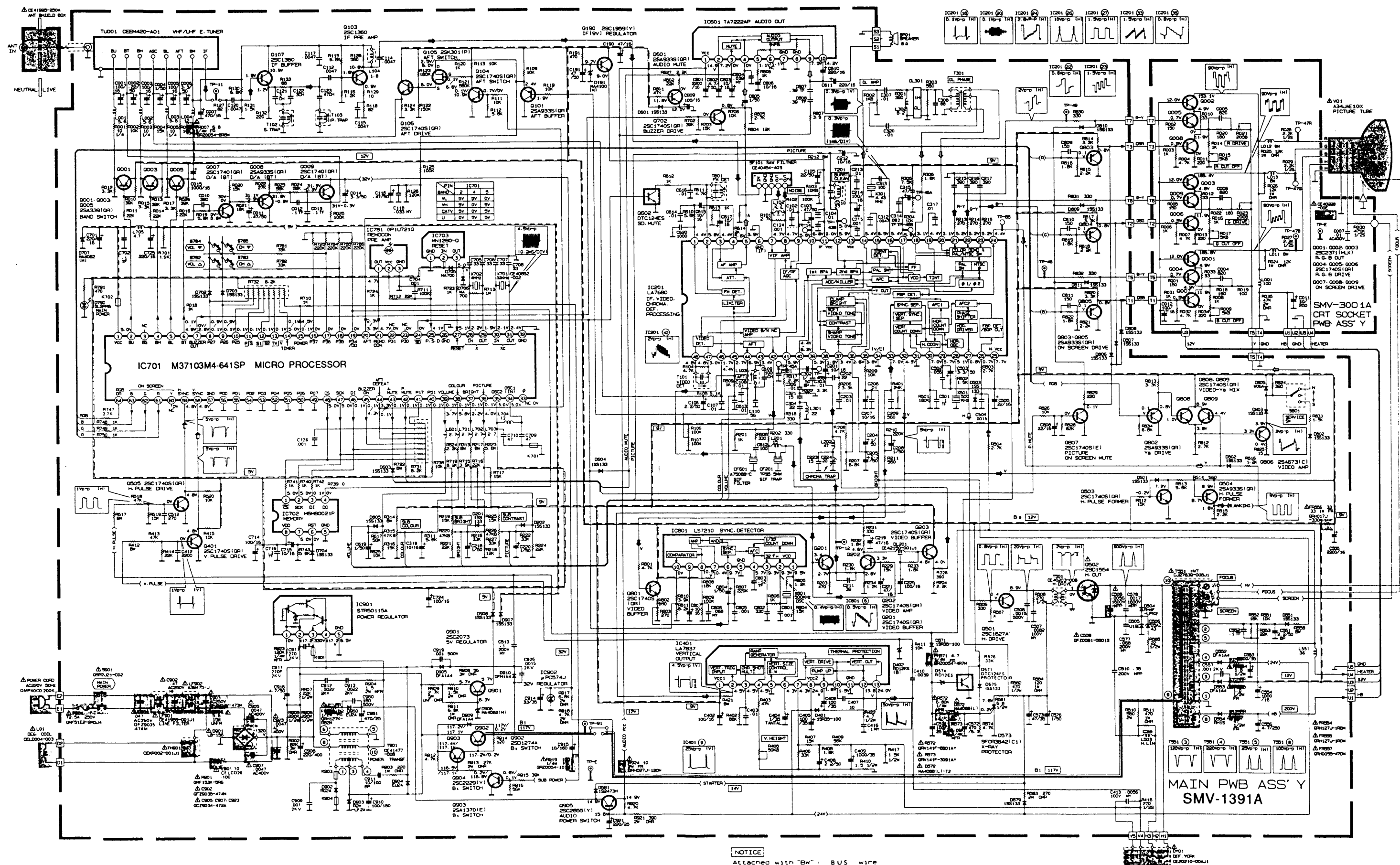
CONNECTOR	P.W.B. or PART	WIRE	CONNECTOR	P.W.B. or PART
T	MAIN PWB Ass'y (SMV-1391A)	↔	T	CRT SOCKET PWB Ass'y (SMV-3001A)
U	MAIN PWB Ass'y (SMV-1391A)	↔	U	CRT SOCKET PWB Ass'y (SMV-3001A)
D	MAIN PWB Ass'y (MV-1391A)	↔		DEG. COIL
S	MAIN PWB Ass'y (SMV-1391A)	↔		SPEAKER
E	MAIN PWB Ass'y (SMV-1391A)	↔		POWER CORD
GND	MAIN PWB Ass'y (SMV-1391A)	↔		CRT EARTH
GND	CRT SOCKET PWB Ass'y (SMV-3001A)	↔		CRT EARTH
HV	MAIN PWB Ass'y (SMV-1391A)	↔		DEF. YOKE

2-6 (No.50627)



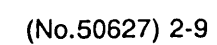
MAIN PWB, CRT SOCKET PWB CIRCUIT DIAGRAMS

REFER TO THE FOLLOWING PWB PATTERN : MAIN PWB 2-9~2-12page,CRT SOCKET PWB;2-13page



NOTICE

Attached with "BW" : BUS wire



[SMV-1391A]



