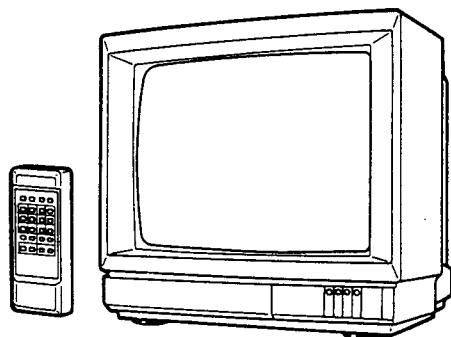




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SPECIFICATIONS

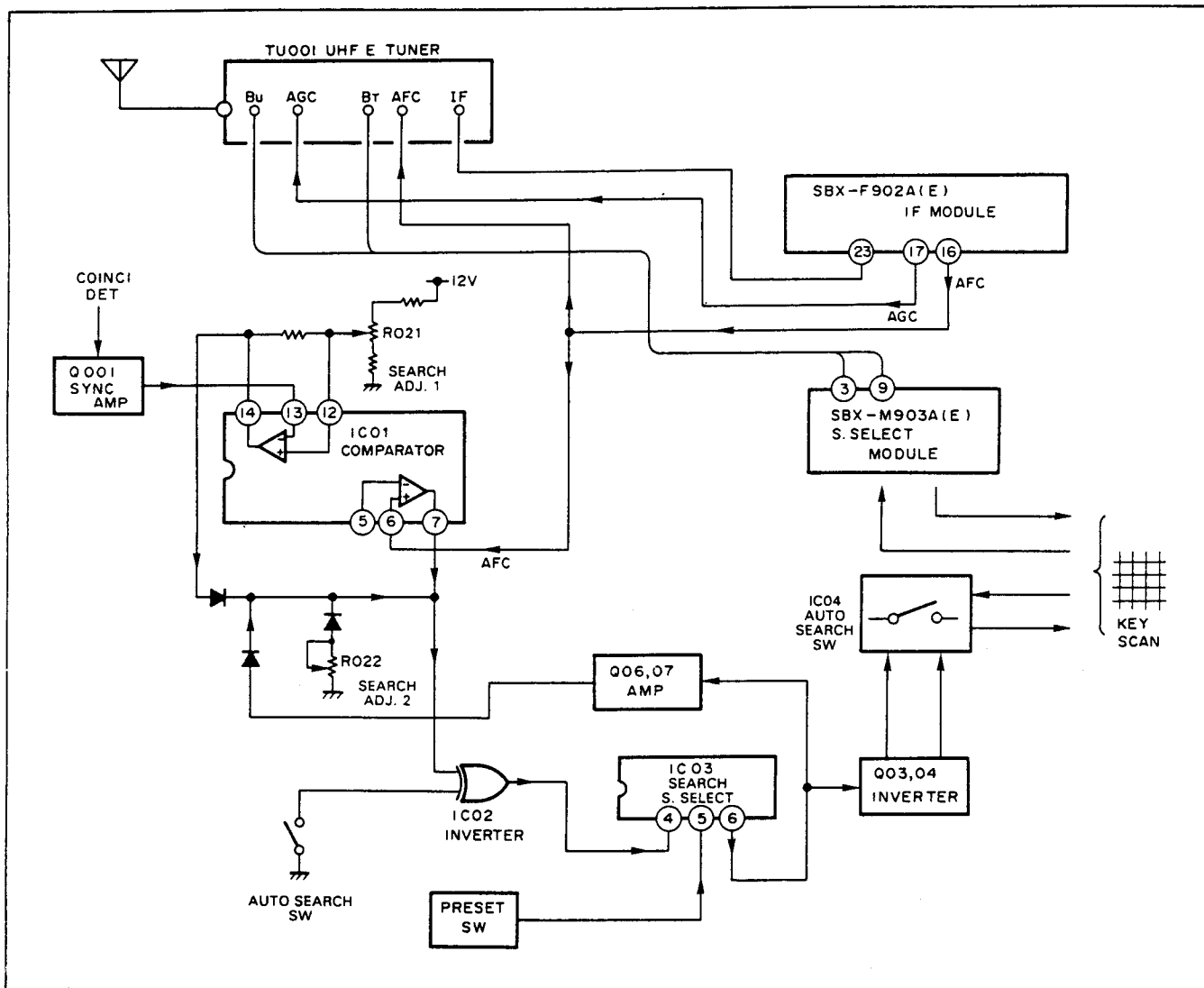
Item	Content	Item	Content
Dimensions	37.0 cm (W) × 37.8 cm (D) × 34.1 cm (H)	ANT. Input	75Ω Unbalanced
Weight	10.2 kg	Impedance	
TV System & Colour System		Power Input	240 VAC 50 Hz
TVRF System	CCIR (I)	Power	70 W (max.)/50 W (Avg.)
Colour System	PAL	Consumption	
TV Receiving		Picture Tube	14" (34 cm) In-line Type
Channels & Frequency		Viewable	
UHF Band	(21 CH ~ 69 CH): 470 MHz ~ 862 MHz	Picture Size	21.1 cm (H) × 28.1 cm (W)
Intermediate		High Voltage	24 kV ± 1 kV (At zero beam Current)
Frequency		Speaker	8 cm Round Type, 8Ω
Video IF Carrier	39.5 MHz	Audio output	2 W (Effective output) 3 W (Music power)
Sound IF Carrier	33.5 MHz (6.0 MHz)	Tube	1
Colour Sub Carrier	4.43 MHz	IC	12 (In TV), 1 (In REMOCON)
		Transistor	35 (In TV), 2 (In REMOCON)

(Design and specifications subject to change without notice)

TECHNICAL INFORMATION

CIRCUIT ANALYSIS

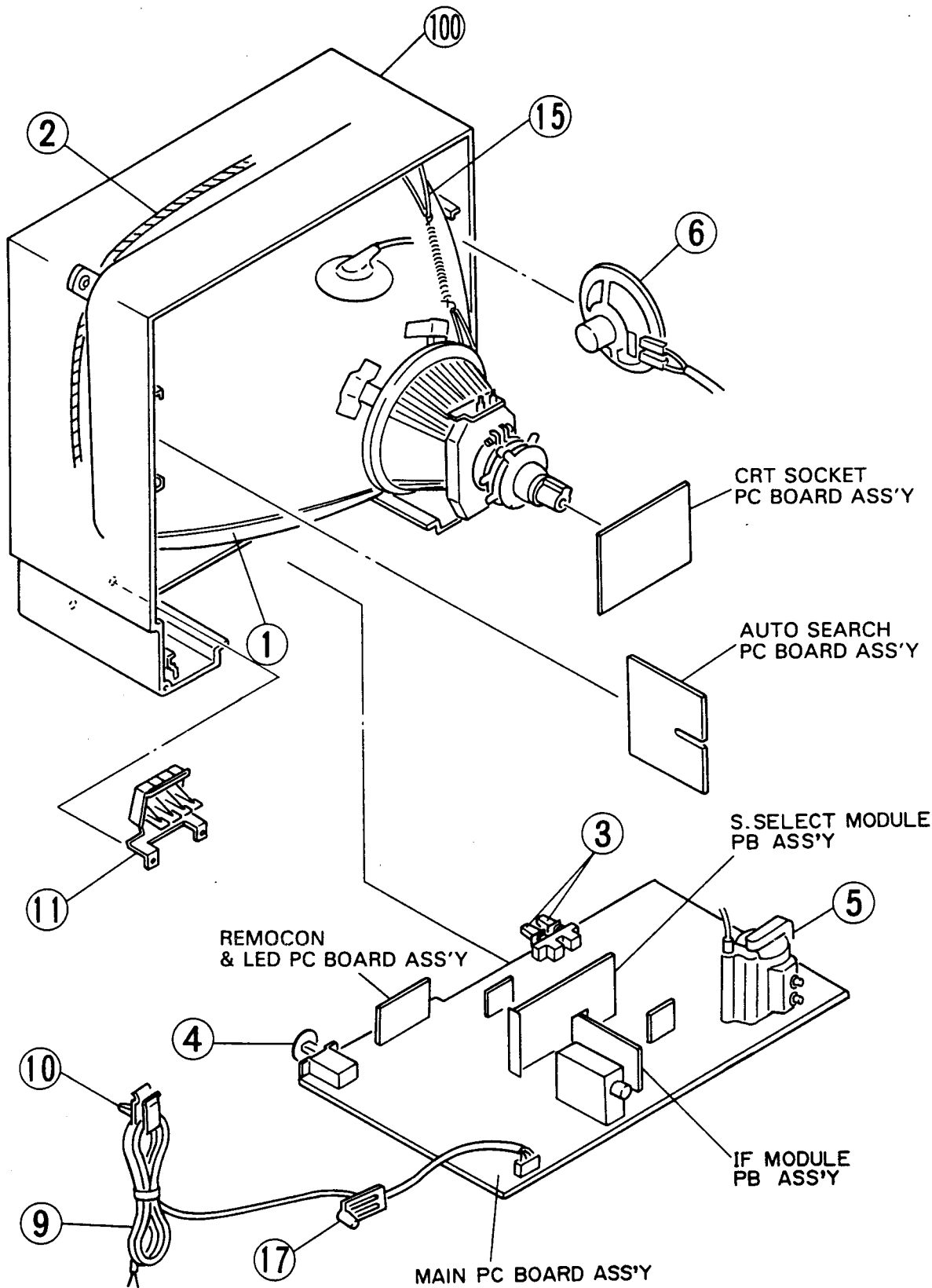
• BLOCK DIAGRAM

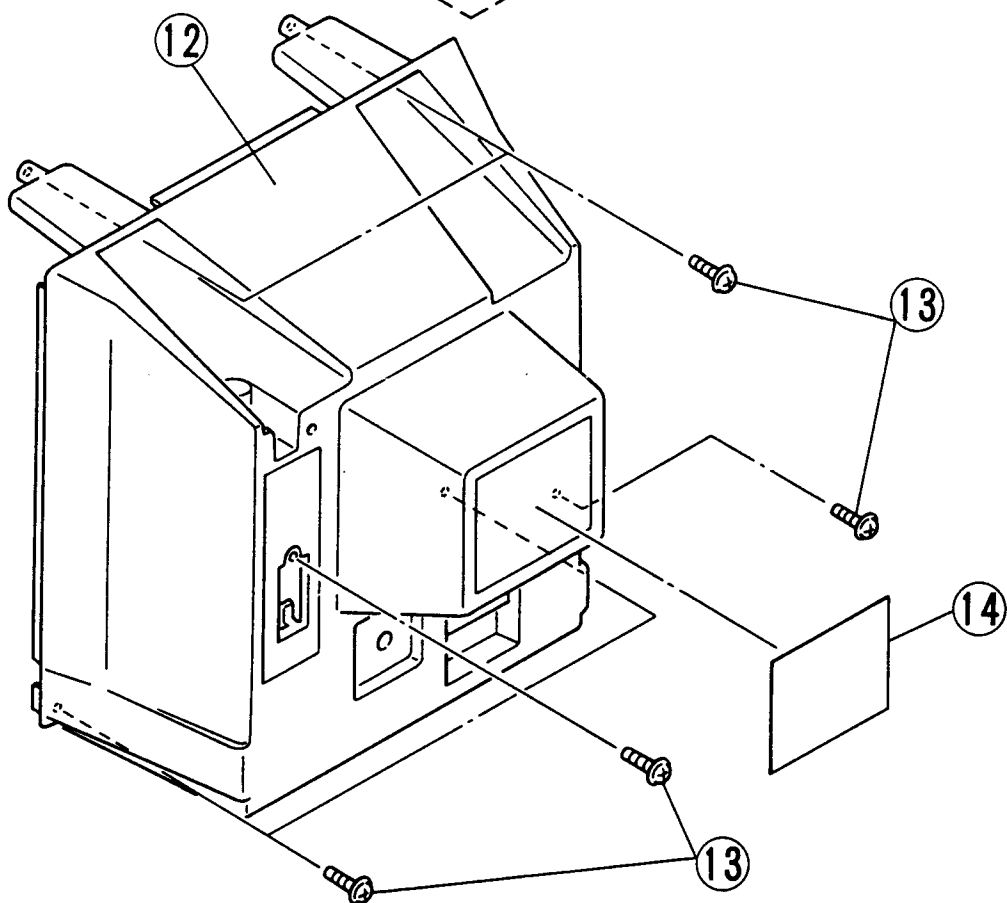
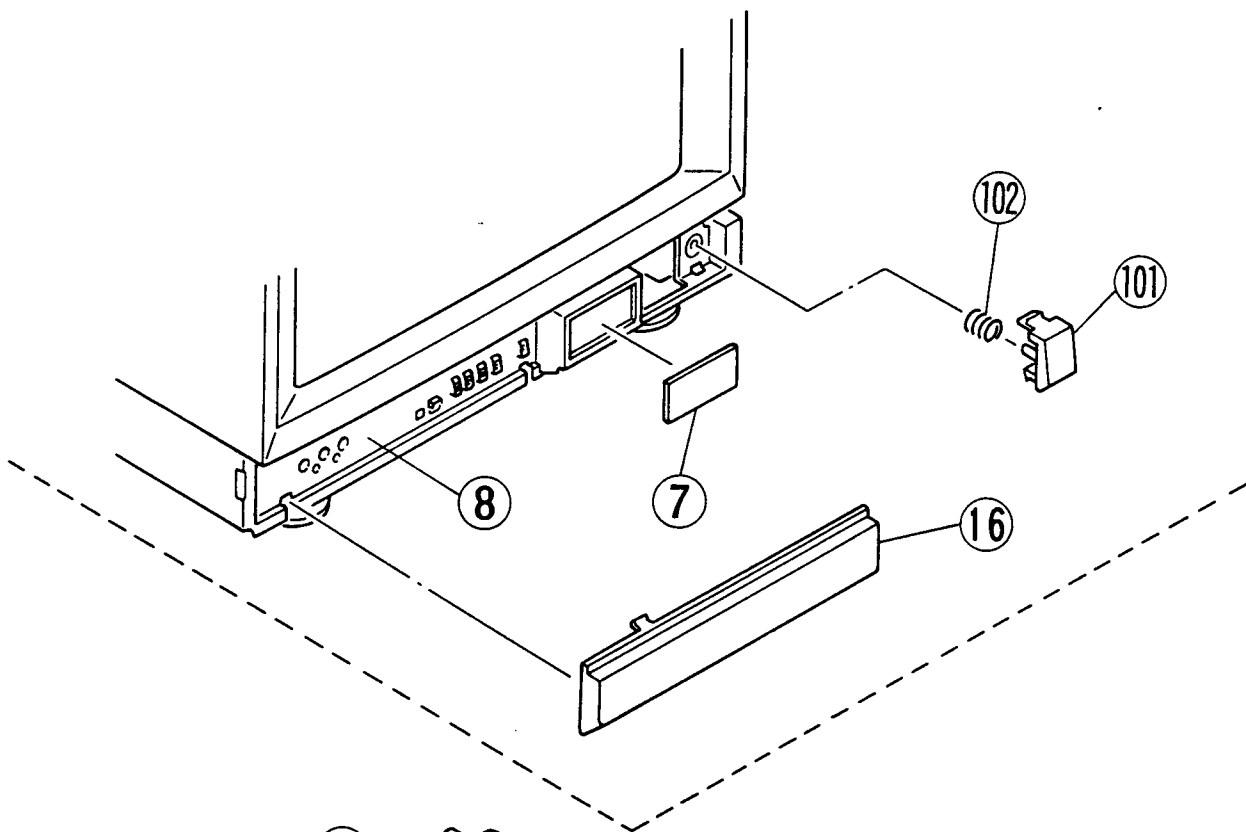


■ REGARDING AUTO SEARCH:

1. An auto search circuit has been added to the tuner channel selection circuit to realize speed-varying operations on a level with TTL.
2. The auto search section has the following circuit structure:
 - a) Op-Amp circuit with phase correction.
 - b) Exclusive OR Gate circuit.
 - c) Duplex J-K flip-flop circuit.
 - d) Bi-directional switch circuit.

EXPLODED VIEW





JVC C-1480EK SCHEMATIC DIAGRAM

■ NOTICE

- Voltage values and waveforms are measured by respectively receiving and displaying on the screen the colour bars signals of the PAL.

[Voltage value display method]

The voltage values indicated on the circuit diagram and voltage lists are obtained when PAL colour bar signals are received and displayed on the screen.

Multimeter used.

DC 20k Ω /V

Given figures are all DC voltages.

Sweep speed of oscilloscope

H $\rightarrow$ 20 μ S/div. V $\rightarrow$ 5 mS/div.

Others $\rightarrow$ sweep speed specified

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

■ SAFETY

FR () denotes a fusible resistor which operates as a fuse. When replacing fusible resistors and parts indicated with black shading () in the circuit diagrams, be sure to ensure safety by using designated parts.

As to other parts too, use designated parts to maintain safety and performance.

NOTE FOR SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE primary:  side GND and the NEUTRAL (secondary: ) side GND.

Don't short between the LIVE side GND and NEUTRAL side GND or never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and NEUTRAL side GND at the same time.

If above note will not be kept, a fuse or any parts will be broken.

■ INDICATION OF PARTS SYMBOL

Inside board (Example) SBX-1905A(U) : R1209 $\rightarrow$ R209

Outside board (Example) R0001 $\rightarrow$ R01

■ SCHEMATIC DIAGRAM INDICATION

Resistor

- Resistance value
Without unit: [Ω] K : [k Ω] M : [M Ω]
- Rated allowable power
Without indication : 1/6W, Others Indicated
- Type
Without indication : Carbon resistor
OMR : Oxide metal film resistor
UNF R : Unflammable resistor
MF R : Metal film resistor
FR : Fusible resistor
- Composition resistor 1/2 [W] is indicated as 1/2S or Comp.

Capacitor

- Capacitance
Above 1 [pF] : Below 1 [μ F]
- Withstand voltage
Without indication : DC 50 [V]
Others : DC withstand voltage [V]
AC indicated : AC withstand voltage [V]
- Indications for electrolytic capacitors are as follows.
(Example)
47/50 $\rightarrow$ capacitance [μ F] / withstand voltage [V]
- Type
Without indication : Ceramic capacitor
MY : Mylar capacitor
MM : Metalized mylar capacitor
PP : Polypropylene capacitor
MPP : Metalized polypropylene capacitor
NP : Nonpolar electrolytic capacitor
BP : Bipolar electrolytic capacitor
TAN. : Tantalum capacitor

Coil

Without unit : [μ H]

Connection method

-  : Connector,  : Receptacle
○ : Wrapping or soldering

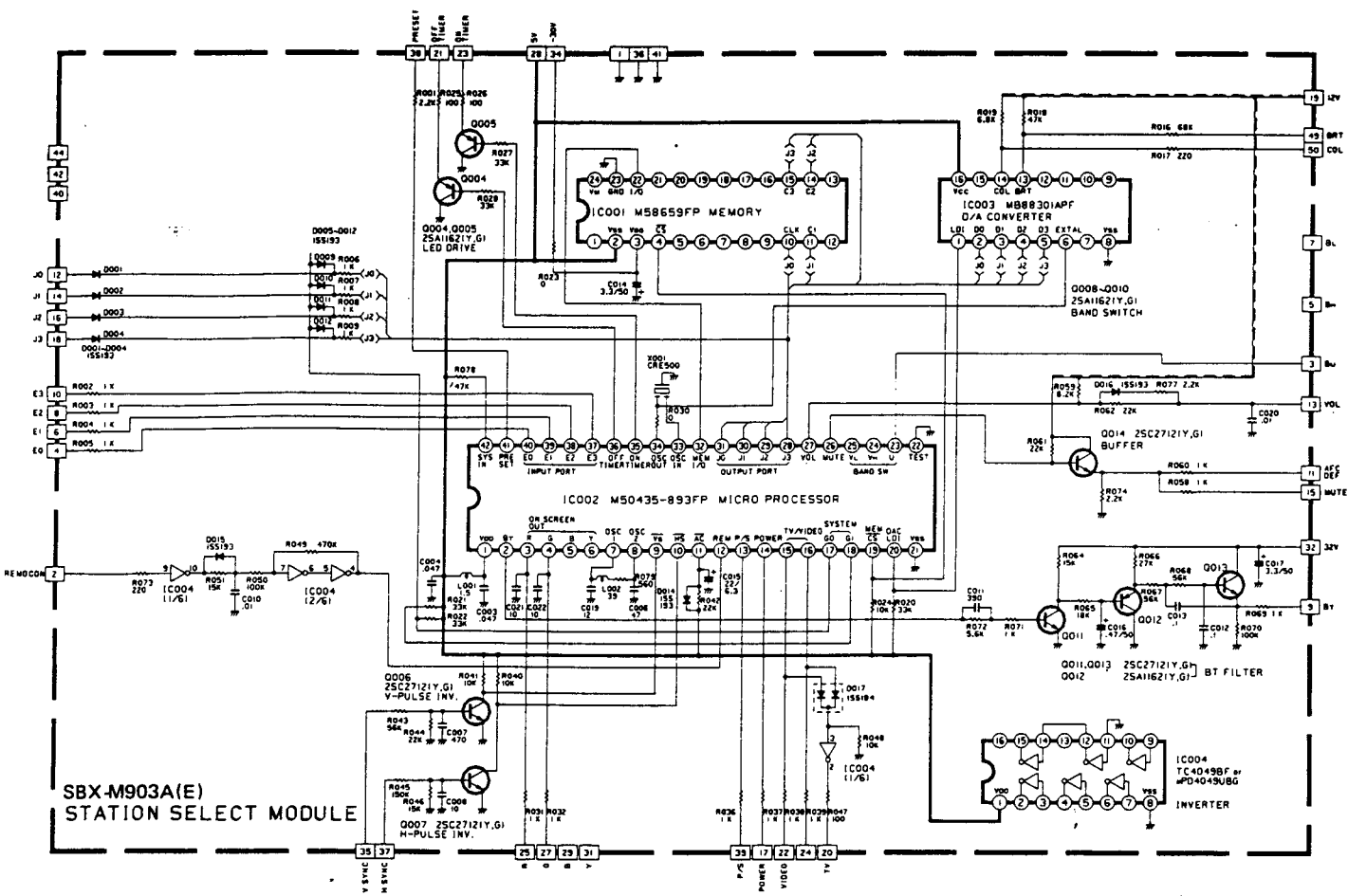
Power Supply

 : B₁ (115V),  : B₂ (12V)
 : 9 V  : 5 V

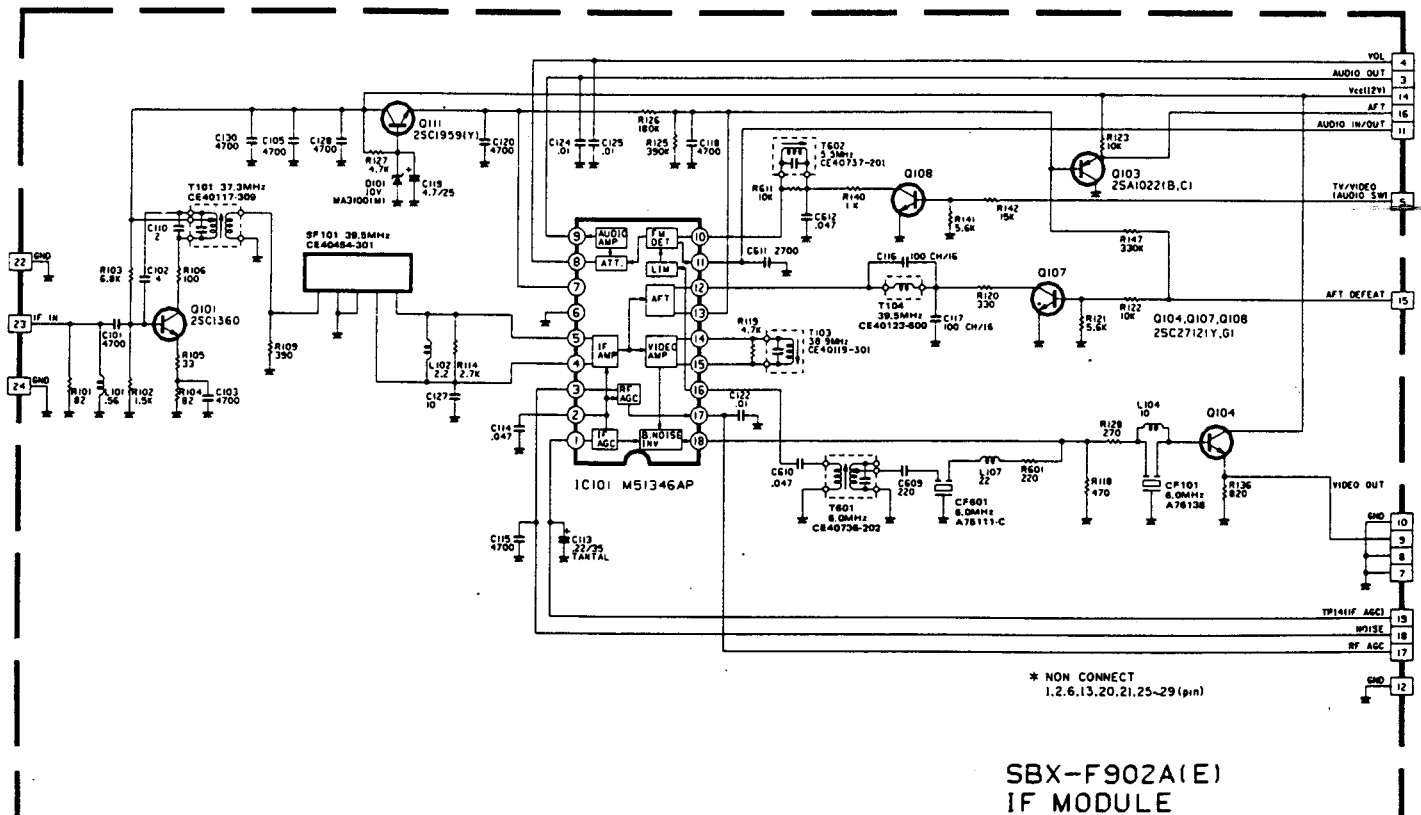
Test point & GND. symbol.

-  : Test point by miniature GT pin
-  : Only test point display
-  : Live (Primary) side ground
-  : Neutral (Secondary) side ground

S. SELECT MODULE SCHEMATIC DIAGRAM



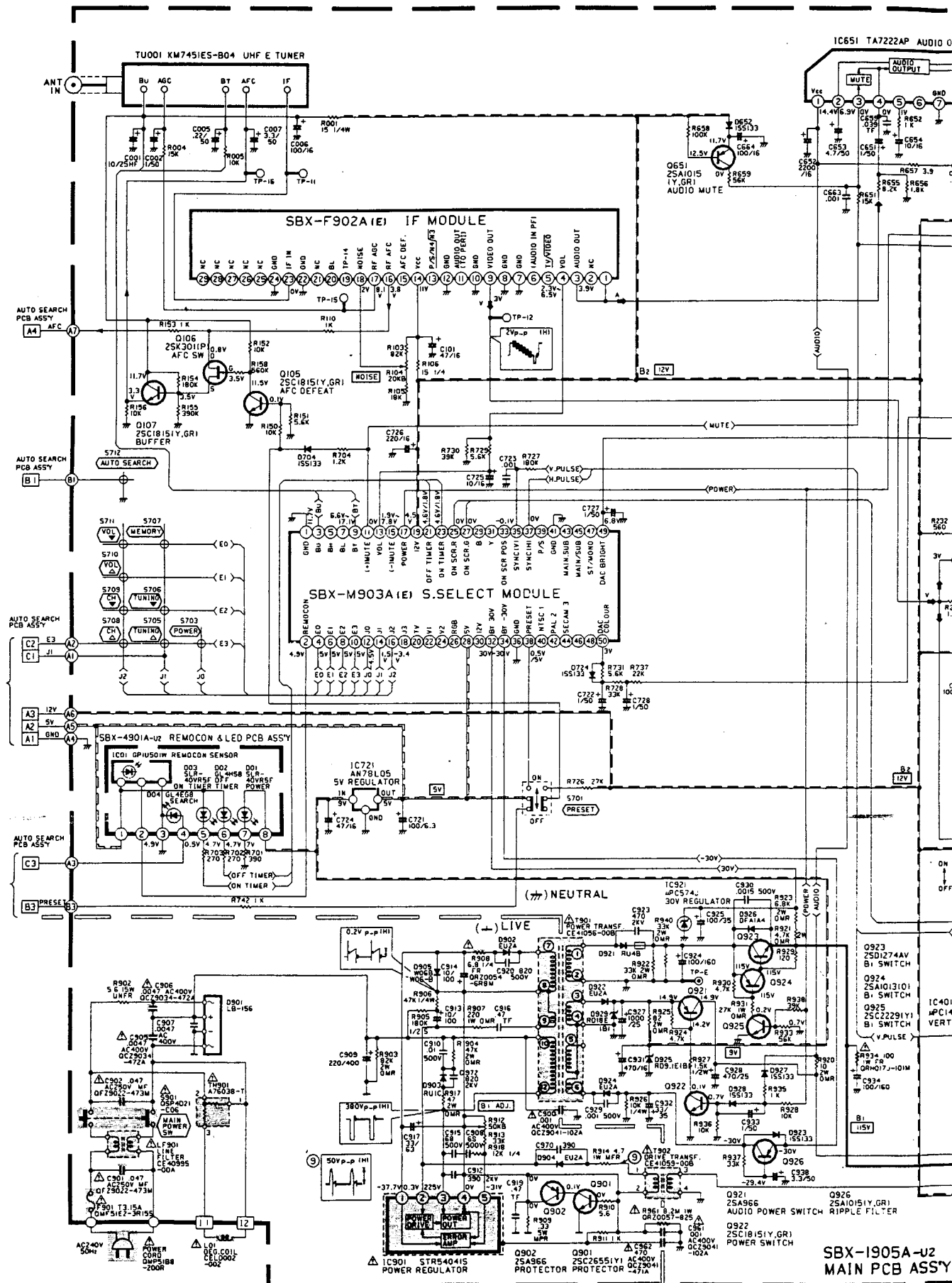
IF MODULE SCHEMATIC DIAGRAM



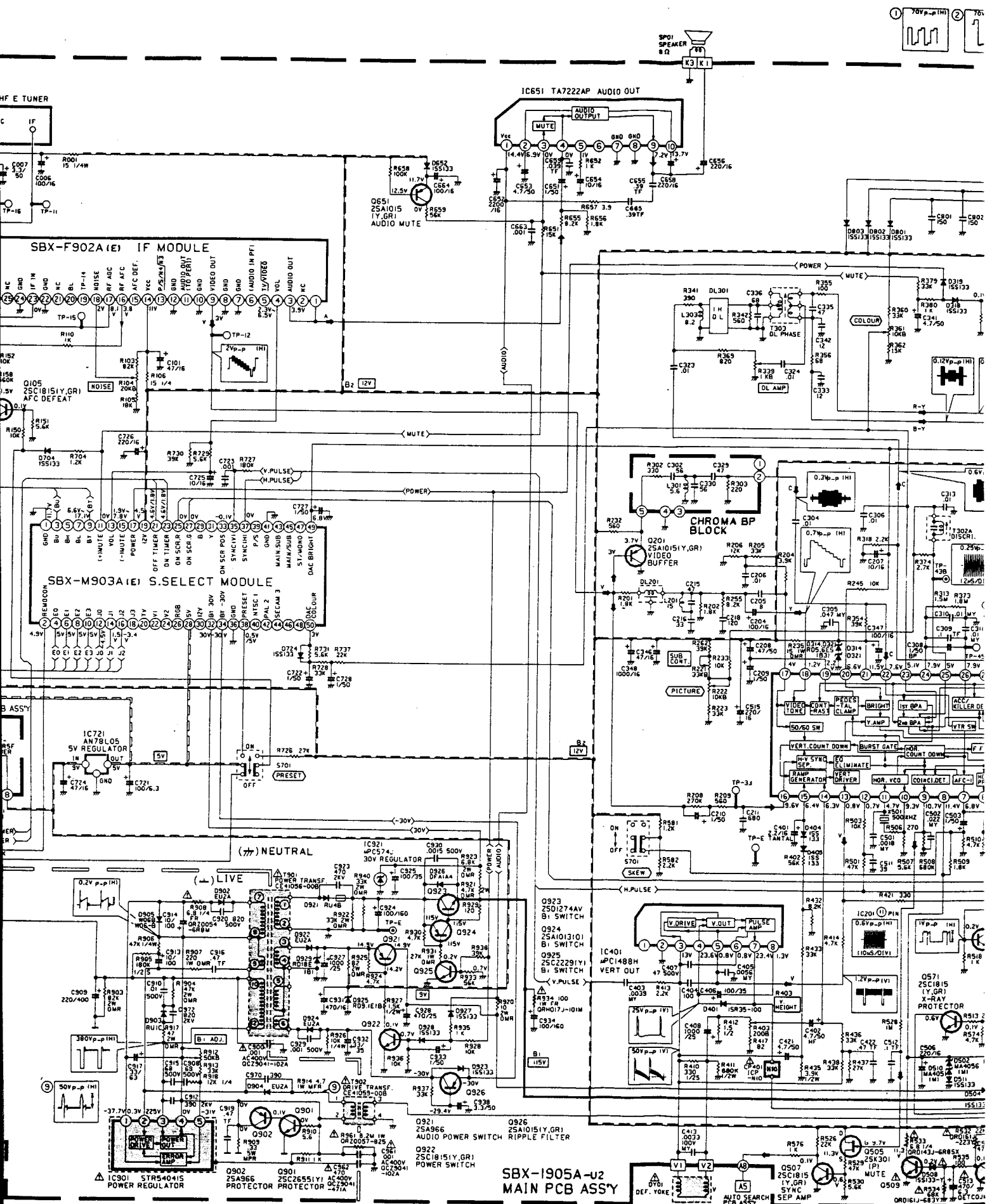
* NON CONNECT
1.2, 6, 13, 20, 21, 25-29 (pin)

SBX-F902A(E)
IF MODULE

MAIN PCB SCHEMATIC DIAGRAM



DIAGRAM





**SBX-8901A-U2
AUTO. SEARCH
PCB ASSY**