

ST-JX430L

SERVICE MANUAL

*AEP Model
G-AEP Model*



SPECIFICATIONS

Tuner

Circuit system PLL digital frequency synthesizer
Quartz lock system
FM stereo/FM-AM tuner

FM tuner

Frequency range 87.5 – 108 MHz (50 kHz step)
Antenna terminal 300 ohms, balanced (AEP model)
75 ohms, unbalanced (AEP, G-AEP model)
IF 10.7 MHz

Sensitivity

S/N 46 dB	Mono	AEP model: 19.5 dBf (5 μ V) G-AEP model: 2.5 μ V
	Stereo	AEP model: 39.5 dBf (50 μ V) G-AEP model: 25 μ V
Usable sensitivity (IHF)		AEP model: 11.5 dBf (2 μ V) G-AEP model: 1 μ V

Signal-to-noise ratio 74 dB (mono), 69 dB (stereo) (40 kHz dev.)

Harmonic distortion 0.3% (mono), 0.5% (stereo) at 1 kHz
(40 kHz dev.)

IM distortion 0.3% (mono), 0.5% (stereo)

Separation 40 dB (1 kHz)

Frequency response 40 Hz – 12.5 kHz \pm 0.5 dB

Selectivity AEP model: 50 dB (300 kHz)
G-AEP model: 60 dB (300 kHz)

AM suppression ratio 54 dB

Image response ratio AEP model: 50 dB
G-AEP model: 80 dB

IF response ratio AEP model: 90 dB
G-AEP model: 93 dB

Spurious response ratio 70 dB

Auto tuning threshold 30 dBf, 18 μ V

Output 410 mV, 4.7 k Ω (40 k dev.)

AM tuner

	MW	LW
Frequency range	522 – 1,611 kHz	144 – 288 kHz
Antenna	Layout-free AM (MW/LW) antenna, with external antenna terminal attached	
IF	450 kHz	
Sensitivity	500 μ V/m (at 999 kHz)	700 μ V/m (at 230 kHz)
Signal-to-noise ratio	54 dB (50 mV/m)	50 dB (50 mV/m)
Harmonic distortion	0.3%	
Selectivity	35 dB (9 kHz)	

Power and others

Power supply 220 V AC, 50/60 Hz

Power consumption 17 W

Dimensions 430 x 80 x 260 mm (w/h/d)
(17 x 3 $\frac{1}{4}$ x 10 $\frac{1}{4}$ inches) (w/h/d)

Weight Approx. 2.9 kg (6 lb 6 oz)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

FM-STEREO/FM-AM TUNER

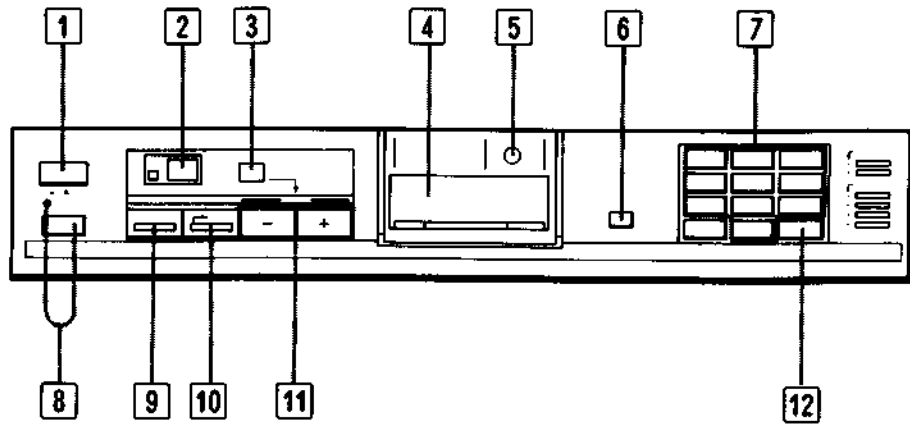
SONY®

AUD

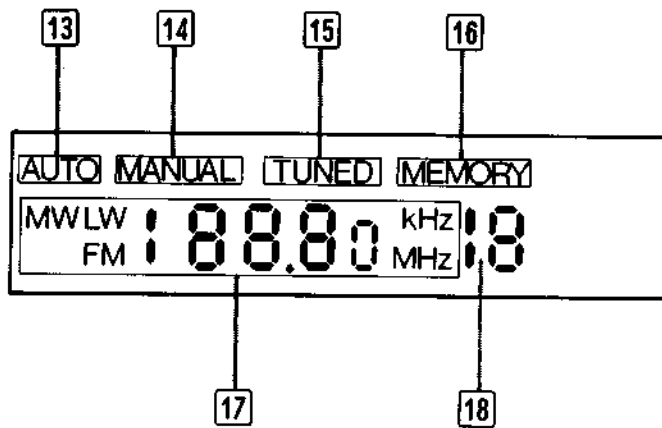


ST-JX430L

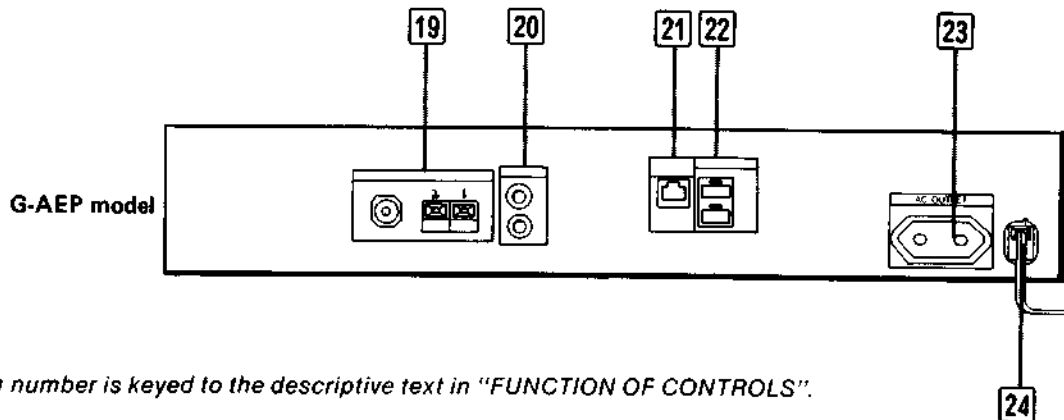
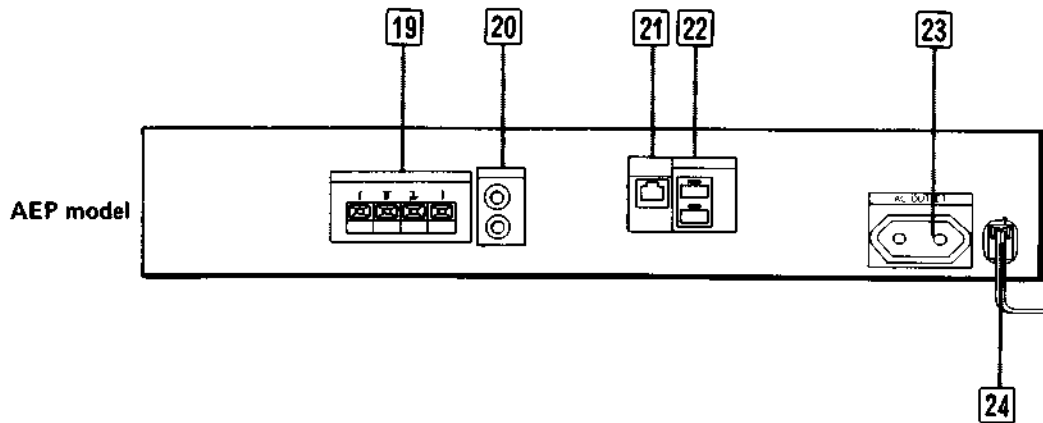
Front panel



Display window



Rear panel



Each number is keyed to the descriptive text in "FUNCTION OF CONTROLS".

FUNCTION OF CONTROLS

Front panel

- 1 **POWER switch**
- 2 **REMOTE SENSOR window**
Receives the infrared ray command transmitted from the supplied Remote Commander.
- 3 **FM TUNING MODE select button**
Press this button to select the manual or auto tuning mode.
- 4 **Band/frequency display**
Permits reading the received frequency at a glance from the figures.
- 5 **STEREO indicator**
This indicator will light when an FM stereo program of sufficient signal strength is tuned in.
- 6 **MEMORY button**
Press to operate memory circuit.
The MEMORY indicator will appear in the display window for a few seconds indicating that the memory circuit is standing by.
- 7 **Number buttons**
Press this button to enter the preset number.
- 8 **SYSTEM POWER switch and STANBY indicator**
Press this switch to turn the tuner and the connected components on and off. You can operate the switch from a distance with the remote commander and STANBY indicator lights when the switch is depressed.
- 9 **BAND select button**
Selects the desired band: FM, MW or LW.
The selected band will be indicated in the band/frequency display.
- 10 **MEMORY SCAN button**
Press this button to sequentially receive broadcasting from the preset stations.
- 11 **TUNING buttons**
Press either button to change the frequency. Press the left button (-) to go to a lower frequency and the right button (+) to go to a higher. To change the frequency continuously until the desired frequency is received, keep the button pressed. The frequency figures will change rapidly. To change the frequency slowly, successively press and immediately release the button.
- 12 **ENTER button**
Press this button to enter data of the preset number.

Display

- 13 **Auto tuning indicator**
- 14 **Manual tuning indicator**
- 15 **TUNED indicator**
This indicator illuminates when a sufficiently strong signal is tuned in.
- 16 **MEMORY indicator**
When the MEMORY button is pressed, the MEMORY indicator will appear for a few seconds indicating that the memory circuit is standing by.
- 17 **Band/frequency indicator**
- 18 **Preset number indicator**

Rear Panel

- 19 **Antenna terminals**
- 20 **Output jacks**
A jack to be connected to the amplifier.
- 21 **Function control connector (3-pin)**
Connect to the SYNC connector of another audio component with the supplied flat cord (3-pin) for remote control of the total audio system.
- 22 **CONTROL S OUT connectors (4-pin)**
Connect to the CONTROL S IN or REMOTE IN connector of other Sony audio equipment with the supplied flat 4-pin remote control cord for remote control of the total audio system.
- 23 **AC outlet**
For the remote control operation of the total audio system, connect the AC power cord of the amplifier to this outlet.
Do not connect the AC power cord of a television set or a video recorder.
- 24 **AC power cord**
Connect to a wall outlet to supply power to the unit.
Connect to the SWITCHED outlet of the timer for timer-activated operation.

REMOTE CONTROL OPERATION (with the supplied RM-S400 remote commander)

By connecting the CONTROL S OUT connector to the CONTROL S IN or REMOTE IN connector of other Sony audio equipment with the supplied flat 4-pin remote control cord, the remote control of the total audio system and direct function are possible.

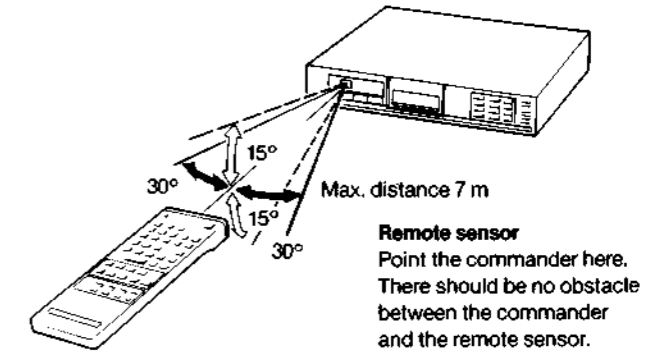
Direct function
The amplifier operation mode can be changed automatically by simply pressing the operation button of the remote commander. For example, when you want to switch from an FM program to a taped program, press the ► button of the TAPE section.

The operation mode of the amplifier is automatically set to TAPE and tape playback starts.

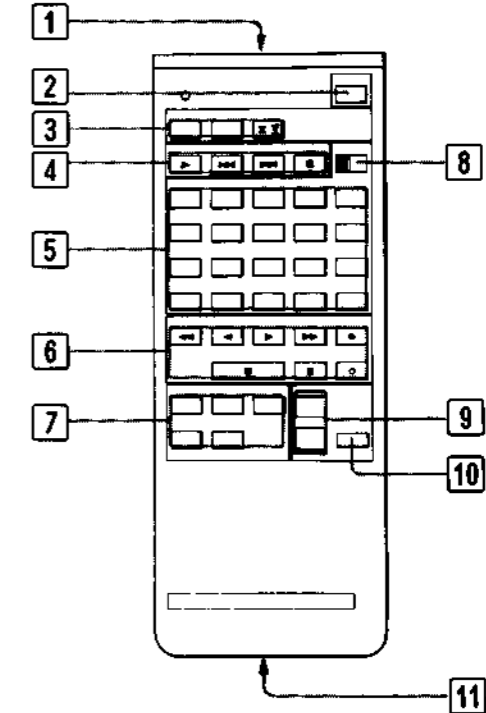
Almost all operation of audio/video equipment

- Power on/off
- Turntable operation
- Selection of memorized stations on the tuner
- CD player operation
- Selection of desired track on the CD player
- Tape deck operation
- Selection of the amplifier function
- Muting on/off
- Volume control

OPERATION



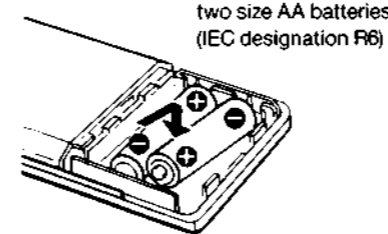
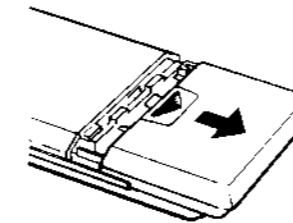
FUNCTION OF BUTTONS



- 1 **Infrared ray transmitter**
- 2 **POWER button**
Press to turn on and off the power of the audio system.
- 3 **PHONO control buttons**
START: Press to begin record play.
STOP: Press to stop record play.
▼ ▼ (cueing): Press to lift and lower the tone arm.
Use these buttons while playing.

BATTERY INSTALLATION

With normal operation, battery life is approximately 6 months.



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By connecting the CONTROL S OUT connector to the CONTROL S IN or REMOTE IN connector of other Sony audio equipment with the supplied flat 4-pin remote control cord, the remote control of the total audio system and direct function are possible.

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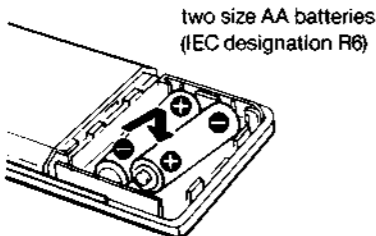
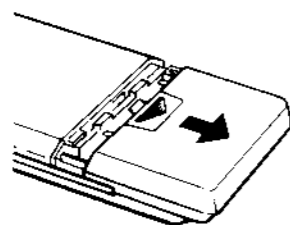
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Almost all operation of audio/video equipment

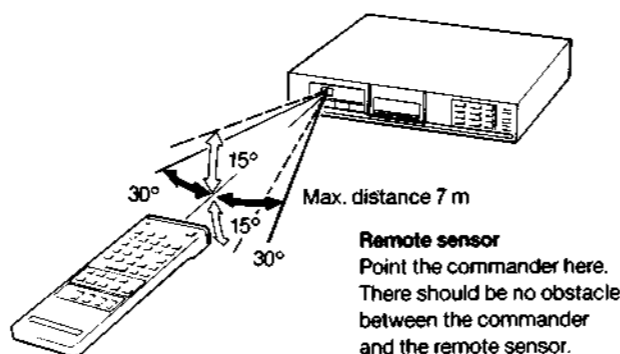
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- Turntable operation
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- CD player operation
- Selection of desired track on the CD player
- Tape deck operation
- Selection of the amplifier function
- Muting on/off
- Volume control

BATTERY INSTALLATION

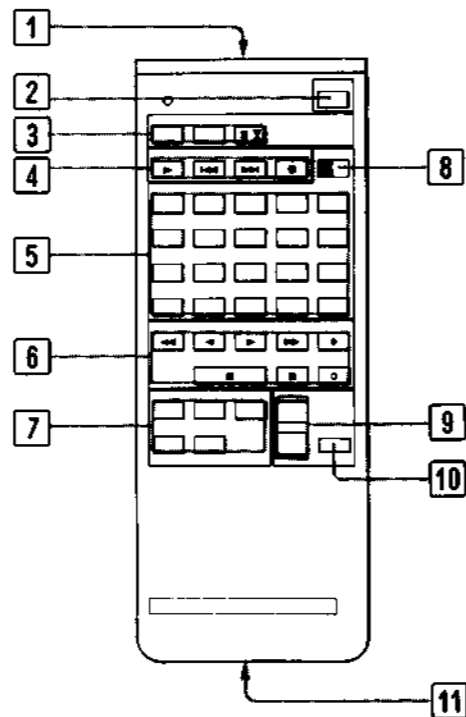
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OPERATION



FUNCTION OF BUTTONS



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- 2 POWER button**
Press to turn on and off the power of the audio system.
- 3 PHONO control buttons**
START: Press to begin record play.
STOP: Press to stop record play.
▼ (cueing): Press to lift and lower the tone arm. Use these buttons while playing.

4 CD control buttons

- ▶ (play): Press to begin disc play.
- ◀◀ (back selection): Press to go back to a previous selection.
- ▶▶ (forward selection): Press to skip ahead to another selection.
- (stop): When this button is pressed, disc play is reset to the beginning of the first selection, and the player is set to the standby mode.

5 TUNER and CD number buttons

Press the appropriate numbered button to recall a memorized radio station (when the TUNER/CD select switch is set to TUNER). Press the numbered button corresponding to the selection you want to play (when the TUNER/CD select switch is set to CD).

6 TAPE control buttons

- ◀◀: Rewind, or fast-reverse with auto reverse decks
- ◀: Reverse play
Press this button while depressing the ● button to start recording (with auto reverse tape decks only)
- ▶: Forward
Press this button while depressing the ● button to start recording
- ▶▶: Fast forward
- : Stop
- ||: Pause
- : Record muting (with tape decks only)
- : Record

7 Audio source function selection buttons

Press the appropriate button to supply the power to the connected equipment or to change the program source.

8 TUNER/CD select switch

Set this switch to switch the operation of the TUNER and CD number buttons [5]. Set the switch to TUNER to recall a memorized radio station. Set the switch to CD to select the desired track.

9 VOLUME buttons

10 MUTING button

Press this button to reduce the sound level temporarily.

11 Battery compartment (rear)

TO LISTEN TO AN AUDIO PROGRAM SOURCE

Press the START of the PHONO control buttons, any TUNER number button, ▶ of the CD control buttons or ▶ or ◀ of the TAPE control buttons. Playback of the program source will begin.

TO RECORD

Before using the remote commander, insert a cassette in the deck (s).

- 1 Play the program source.
- 2 Press the ▶ button while pressing the ● button.

RECORD MUTING

Using the record muting function as follows, a four-second interspacing is automatically provided, thus eliminating unwanted program material such as commercials.

- 1 Press the ○ button when the segment you do not want to record begins. The tape will pause automatically after four seconds.
- 2 When you want to resume recording, press the || button.

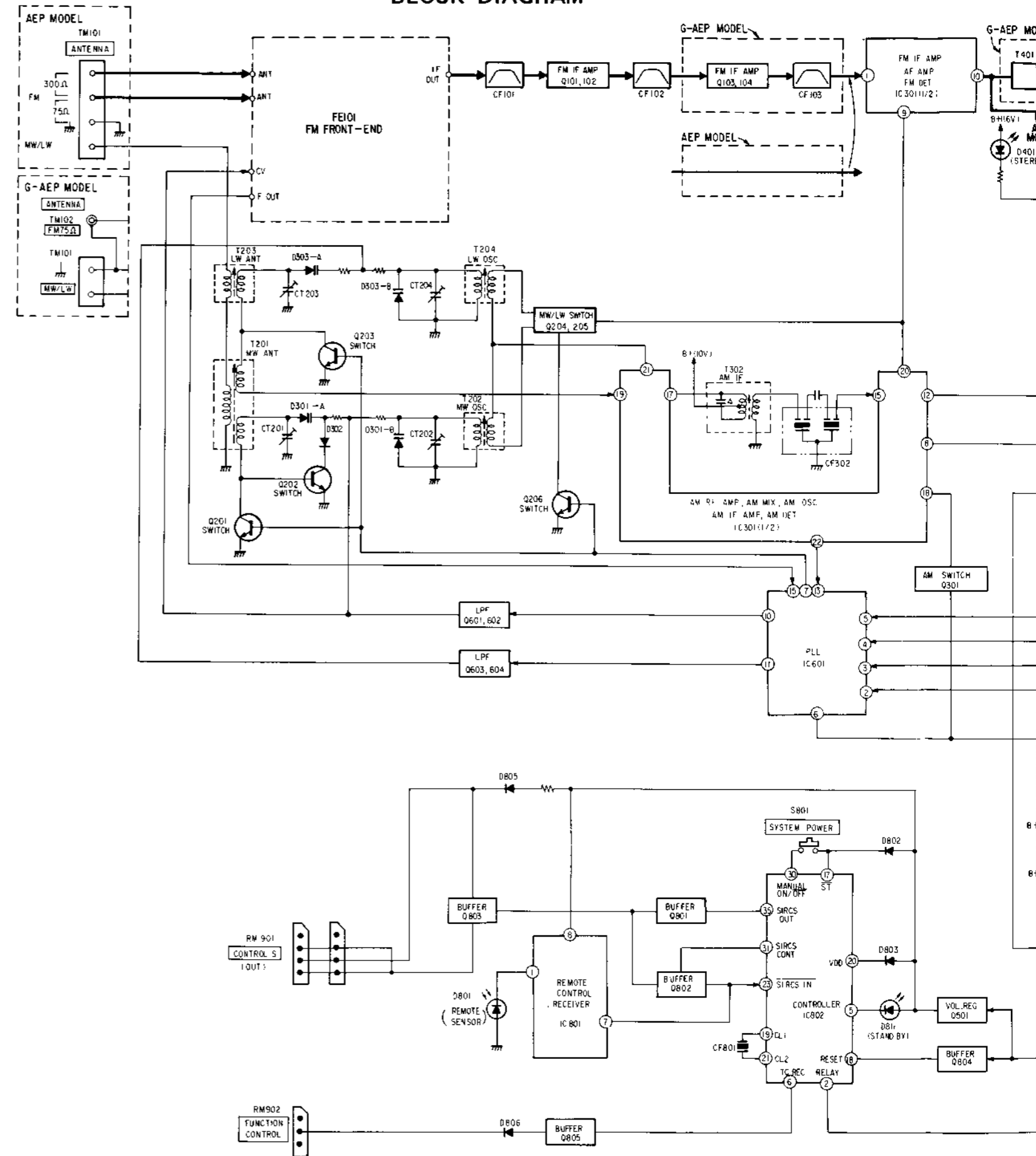
[IC802 (μPD7507HC-033)]

μPD7507HC is a C-MOS 4 bit microcomputer integrating a 4 bit parallel ALU, ROM, RAM, I/O port, 8 bit serial interface and 8 bit programmable timer/event counter input 1-chip.

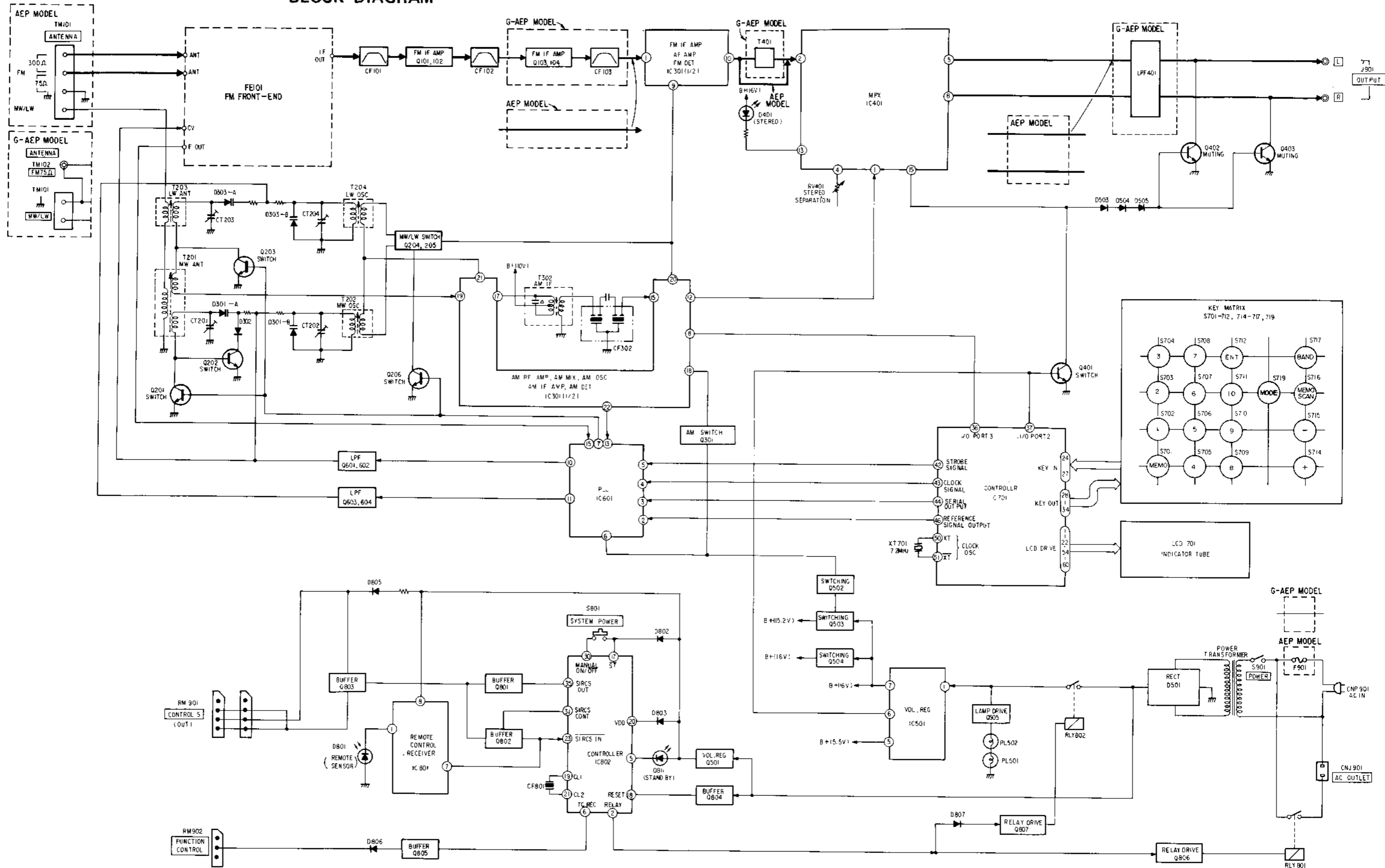
PIN FUNCTIONS

PIN NO.	PIN NAME	I/O	FUNCTION
2	RELAY	OUTPUT	Relay output pin. When the power switch is ON, this pin outputs "H".
4	RECEIVED	OUTPUT	RECEIVED LED OUTPUT pin. When remote control signal is received, this pin outputs "L".
5	STAND-BY	OUTPUT	STAND BY LED output pin. When the power switch is ON, this pin outputs "L". When remote control signal is received, this pin goes "H".
6	TC REC	INPUT	Function control signal input pin. During the record mode on the tape recorder, this pin inputs "H".
7	TC PLAY	INPUT	Function control signal input pin. Pulse signal of "H" level (L) is input to this pin during play mode on the tape recorder.
8	PC	INPUT	Function control signal input pin. Pulse signal of "H" level (L) is input to this pin when the player starts to play.
9	CD	INPUT	Function control signal input pin. Pulse signal of "H" level is input to this pin when the CD starts to play.
14	VTR REC	INPUT	Function control signal input pin. During record mode on VTR, this pin inputs "H".
15	VTR PLAY	INPUT	Function control signal input pin. Pulse signal of "H" level (L) is input to this pin during play mode on VTR.
16	COMMANDER SWITCH DIRECT 20 STATIONS/ ENTER 10 STATIONS	INPUT	Becomes in "H" in direct 20 station selection mode by using the Remote Commander "RM-S400".
17	ST	INPUT	Normally "H". This pin inputs "L" during muting mode (when the tuner operates).
18	RESET	INPUT	Reset input pin. When power switch is ON, pulse signal of "H" level (L) is input to this pin.
19, 21	CL1, CL2		System clock connection pin. This pin connects 4 MHz crystal frequency.
20	VDD		Power supply pin.
22	POWER ON/OFF	INPUT	When the power switch is OFF, "H" (L) pulse signal is input to this terminal.
23	SIRCS IN	INPUT	SIRCS signal input pin. Normally "H". When remote control signal received, serial data is input to this terminal.
27	RAMCLR		Normally "H". RAM is cleared at "L".
28	SW2		Normally "H". When function control switch is OFF, this pin goes "L".
29	SW1		When REMOTE switch is A/V, "L". When REMOTE switch is AUDIO, "H".
30	MANUAL ON/OFF		Normally "L". When SYSTEM POWER switch is ON, "H".
31	SIRCS CONT	OUTPUT	Normally "L". When SIRCS signal is output, this pin goes "H".
32	TUNE SO	OUTPUT	Normally "H". For tuner command output, serial data is output to controller (IC701).
35	SIRCS OUT	OUTPUT	SIRCS signal output pin. When data from the remote controller is input to this pin, the serial data of each operation command to each set is output from this pin.
39	GND		Ground terminal

SECTION 1
BLOCK DIAGRAM



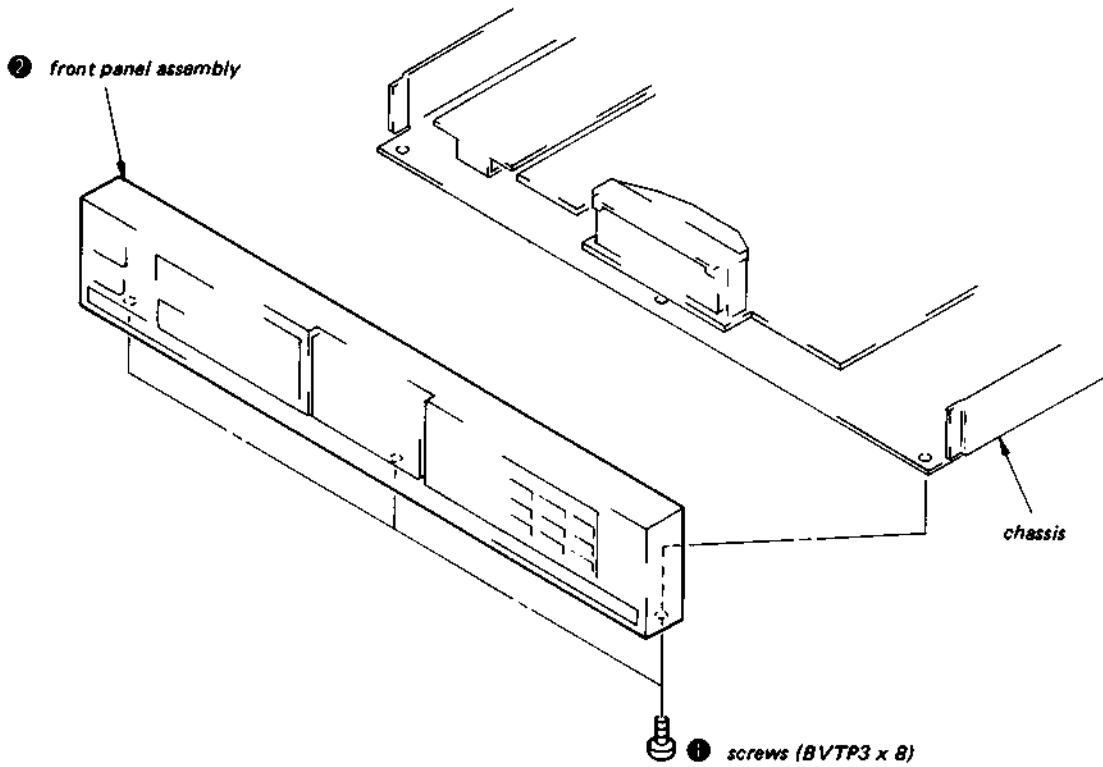
SECTION 1
BLOCK DIAGRAM



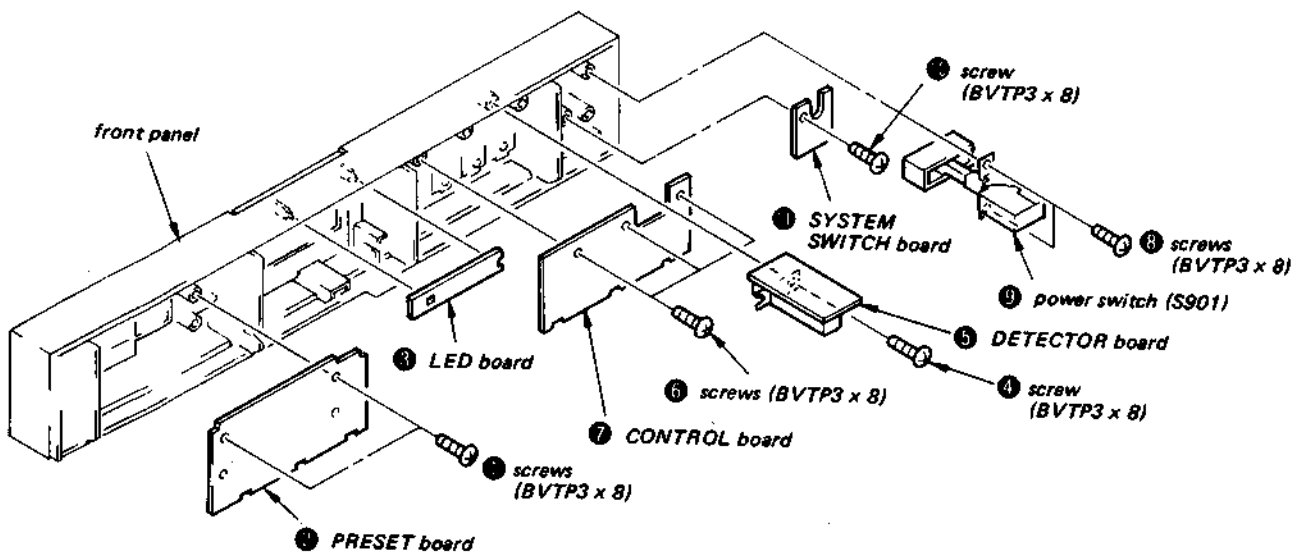
**SECTION 2
DISASSEMBLY**

FRONT PANEL ASSEMBLY

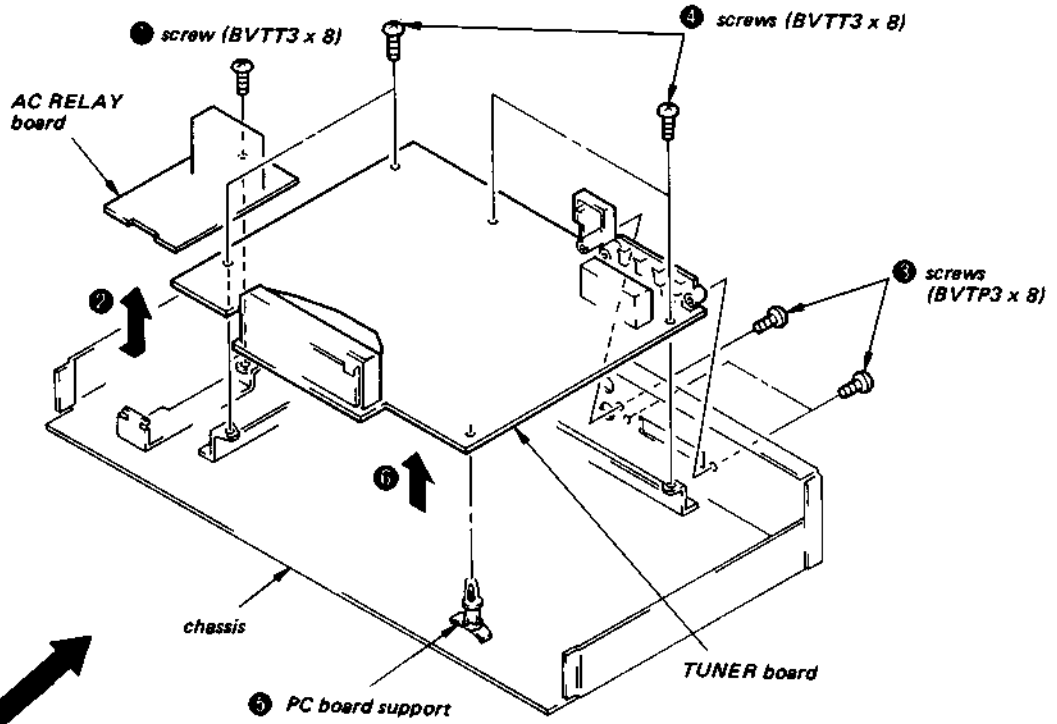
Note: Follow the disassembly procedure in the numerical order given.



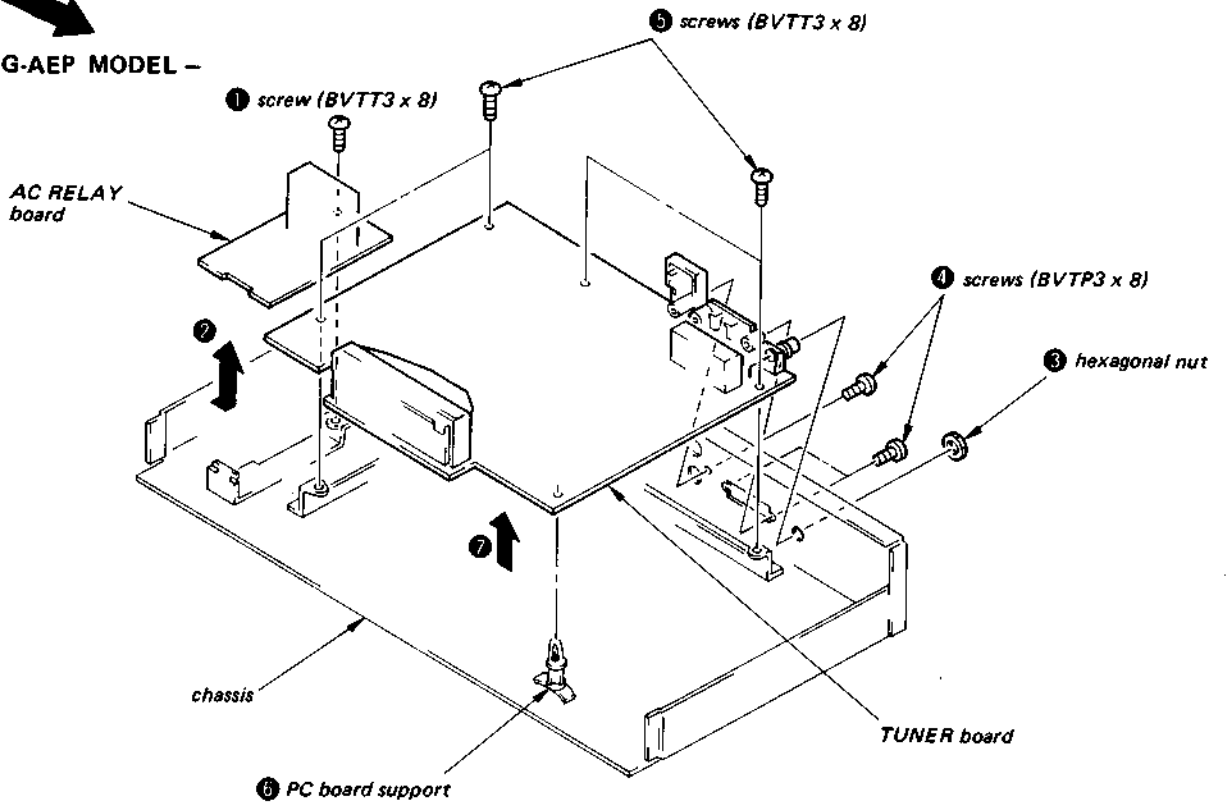
PRESET, CONTROL, LED, SYSTEM SWITCH, AND DETECTOR BOARDS



TUNER AND AC RELAY BOARDS - AEP MODEL -



- G-AEP MODEL -



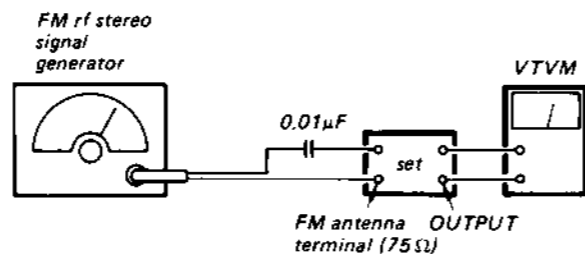
SECTION 3
ADJUSTMENTS

FM SECTION

FM Stereo Separation Adjustment

Setting:
BAND SELECTOR switch: FM

Procedure:



Carrier frequency: 98 MHz
Output level: 1 mV (60 dB)
Mode: Stereo
Modulation:
Audio (1 kHz): 16.25 kHz deviation (40%)
Pilot (19 kHz): 7.5 kHz deviation (20%)
Sub-channel (38 kHz): 16.25 kHz deviation (40%)

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ [Ⓐ] Adjust RV401 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ [Ⓒ] Adjust RV401 for minimum reading.

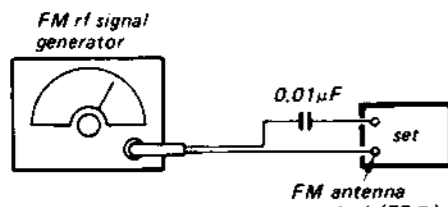
L-CH Stereo separation: Ⓐ - Ⓑ[Ⓐ]
R-CH Stereo separation: Ⓒ - Ⓓ[Ⓒ]

Adjust RV401 so that the separations of both channels should be equal.

FM NULL Adjustment

Setting:
BAND SELECTOR switch: FM

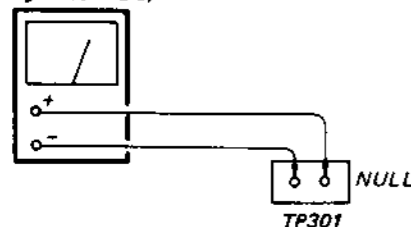
Procedure:



Carrier frequency: 98 MHz
Output level: 1 mV (60 dB)
Modulation: 1 kHz, 40 kHz deviation (100%)

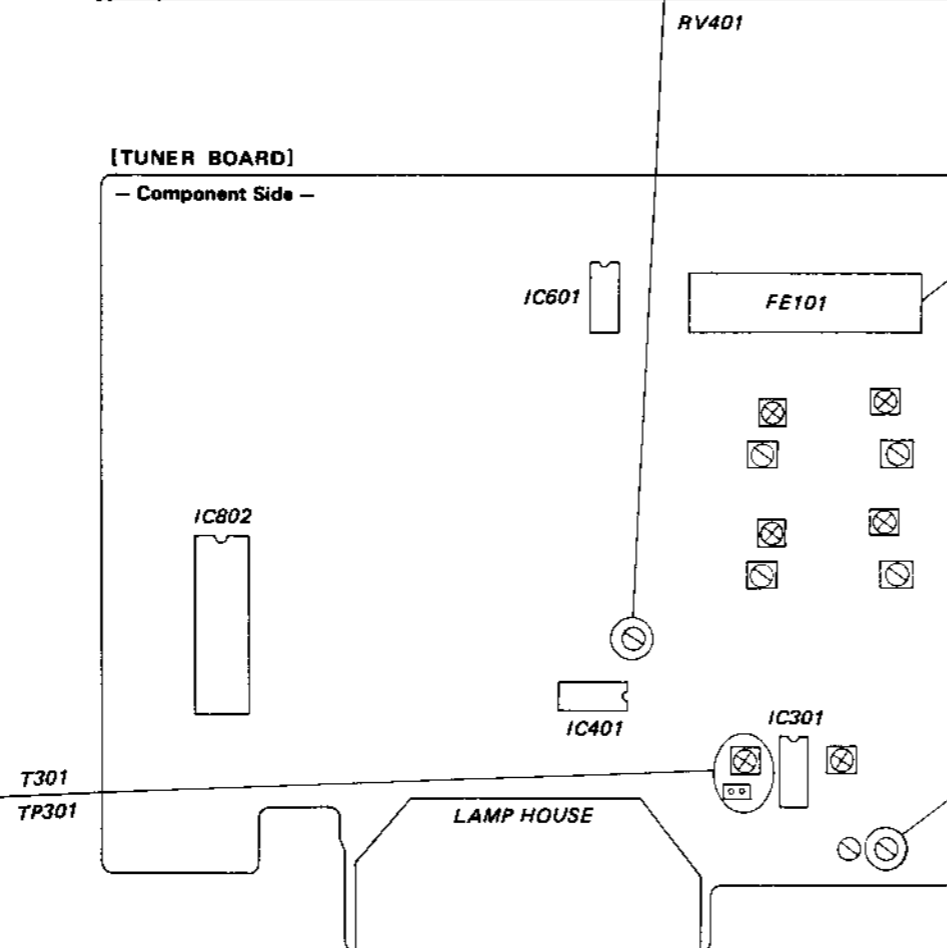
1. Tune the set to 98 MHz.
2. Adjust T301 for a 0 V reading on the VOM.

VOM
(range: 2.5 V DC)



[TUNER BOARD]

- Component Side -

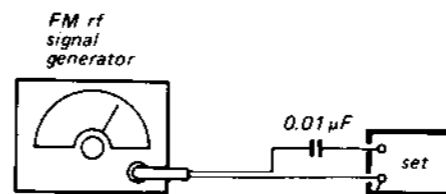


The FM front-end is carefully adjusted at the factory and is supplied as one whole block for replacement.

TUNED Indication Lighting Level Adjustment

Setting:
BAND SELECTOR switch: FM

Procedure:



Carrier frequency: 98 MHz
Modulation: 1 kHz, 40 kHz deviation (100%)
Output level: 17.9 μV (25 dB)

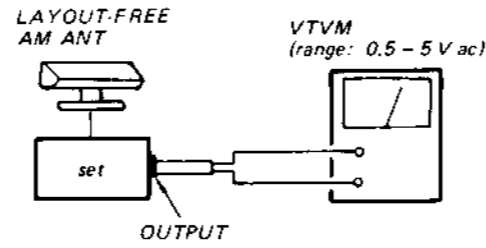
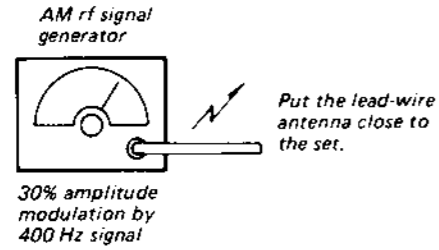
1. Tune the set to 98 MHz.
2. Adjust RV301 so that the TUNED indicator goes on.

LW/MW SECTION

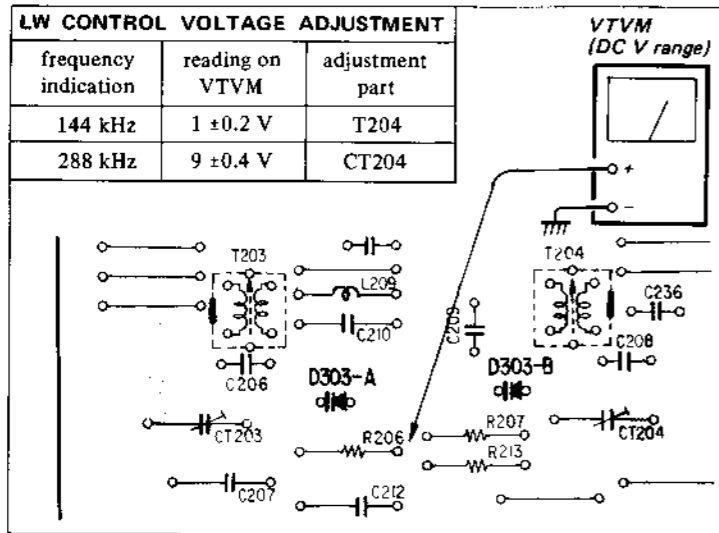
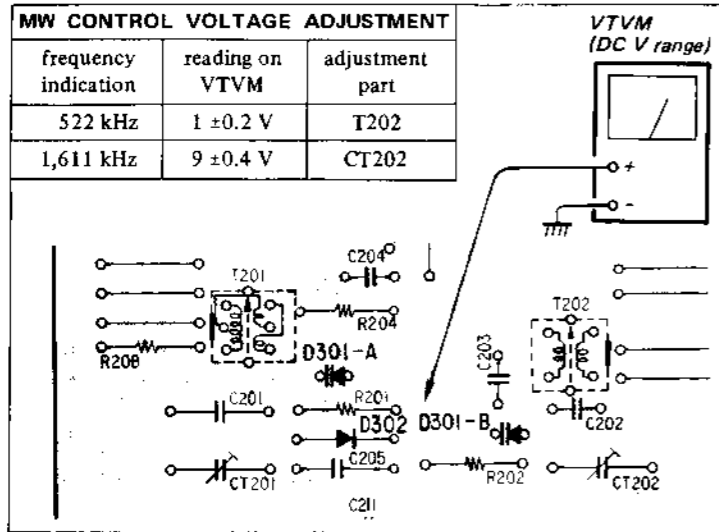
Adjust LW section first.

Setting:

Band Selector: LW/MW
AM tuning interval: 9 kHz



• Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.



MW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
603 kHz	1,404 kHz
T201	CT201

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T203	162 kHz
CT203	270 kHz

AM IF ALIGNMENT	
Adjust for a maximum reading on VTVM.	
SG: 450 kHz	
T302	

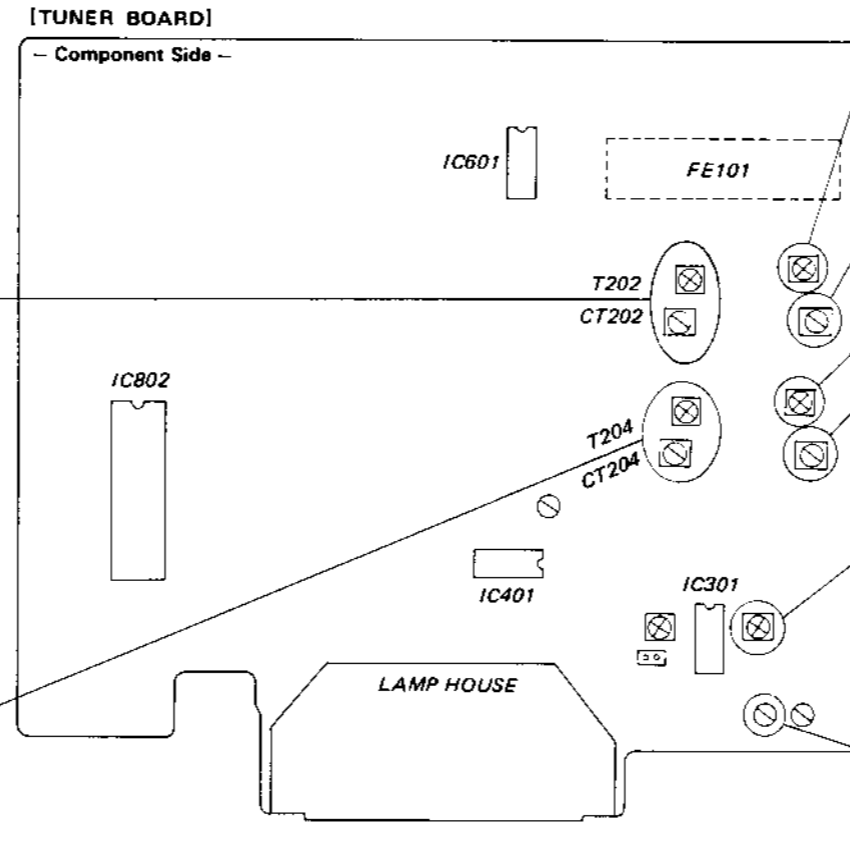
TUNED Indication Lighting Level Adjustment

Setting:
BAND SELECTOR switch: LW

Procedure:

Carrier frequency: 999 kHz
Modulation: 400 Hz, 30% modulation

1. Tune the set to 216 kHz.
2. Set the loop antenna so that the AM antenna input level becomes 2.8 $\mu\text{V}/\text{m}$.
3. Adjust RV302 so that the TUNED indicator goes on.



SECTION 4
DIAGRAMS

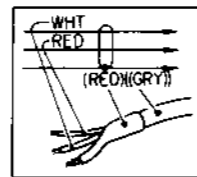
• Semiconductor Lead Layouts

<p>CX20106 CX20106A</p>	<p>2SA1048 2SA1115 2SC2458 2SC2803 2SC2803F 2SC2869 DTA144ES DTC14ES</p>	<p>1S953 H26C2L H26C3L</p>
<p>LA1285</p>	<p>2SA1175 2SC2785</p>	<p>1SS202-1</p>
<p>LA1287 LA3401</p>	<p>2SA733 2SA933 2SC380TMY 2SC1740 2SC3112B 2SC945</p>	<p>KV1236Z</p>
<p>LA5666</p>	<p>PH302B</p>	<p>SIVB10 SIVB20</p>
<p>TC9172P</p>	<p>2SD774</p>	<p>GL2HY5 GL2PG5</p>
<p>TC9302AF-018</p>	<p>2SD789</p>	<p>SEL 2210R</p>
<p>μPD7507HC-033</p>	<p>2SD880</p>	<p>SEL2210W-C</p>
<p>2SK30AGR3</p>		

4-1. MOUNTING DIAGRAM - Conductor Side -

Note on Mounting Diagram:

- Color code or sleeving over the end of the jacket.



- ○ : parts extracted from the component side.
- ■ : part mounted on the conductor side.

Note on Schematic Diagram:

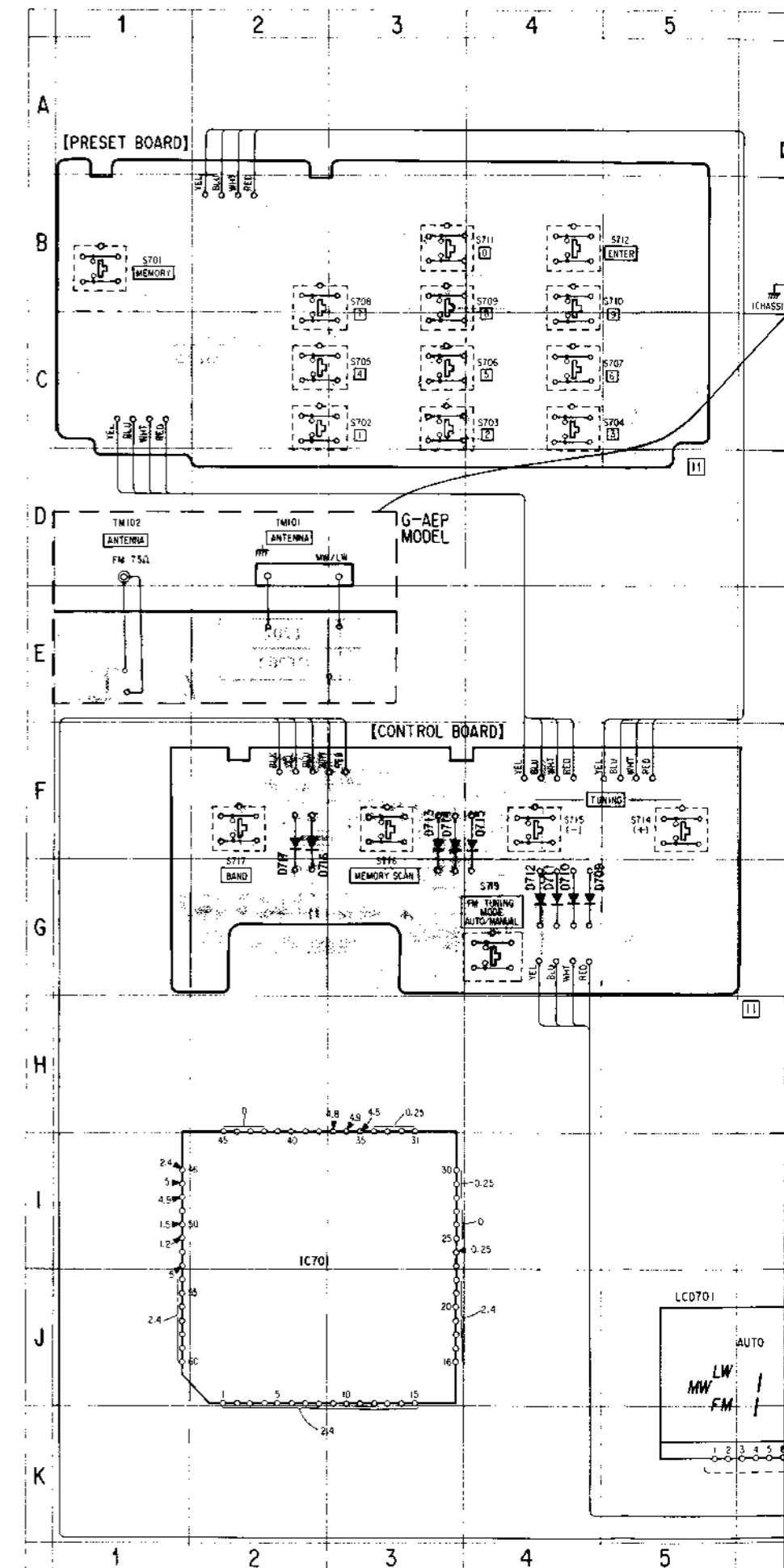
- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{2}W$ or less unless otherwise specified.
- \blacktriangleright : signal path.
- \triangle : internal component.
- \square : nonflammable resistor.
- \bullet : B+ bus.
- \square : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 k Ω/V)
no mark : FM or common
(): MW (): LW
- Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with respect to ground with oscilloscope.
- Voltage variations may be noted due to normal production tolerances.
- Switch

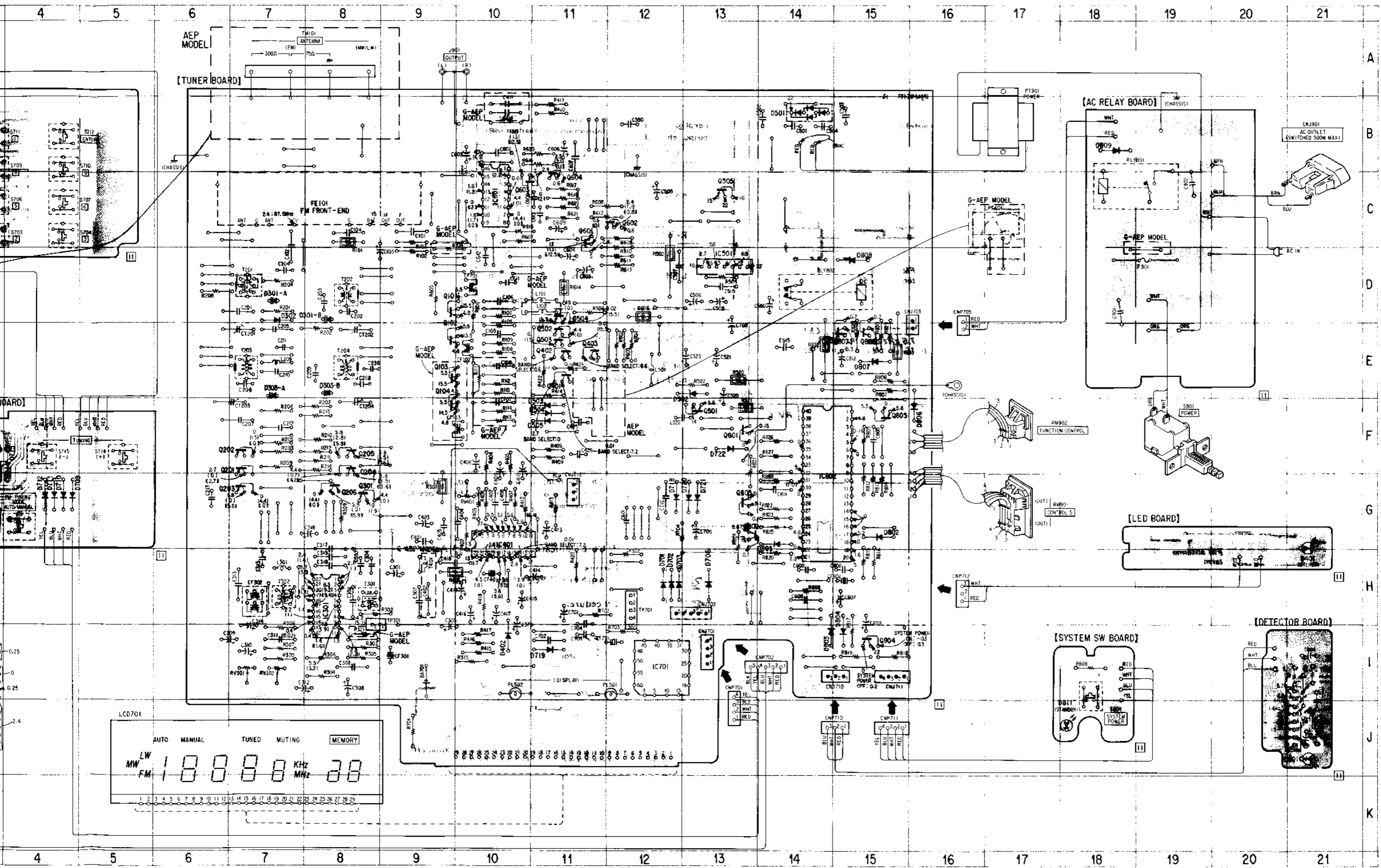
Ref. No.	Switch	Position
S701	MEMORY	OFF
S702	1	OFF
S703	2	OFF
S704	3	OFF
S705	4	OFF
S706	5	OFF
S707	6	OFF
S708	7	OFF
S709	8	OFF
S710	9	OFF
S711	0	OFF
S712	ENTER	OFF
S714	TUNING: +	OFF
S715	TUNING: -	OFF
S716	MEMORY SCAN	OFF
S717	BAND	FM
S719	FM TUNING MODE	AUTO
S801	SYSTEM POWER	OFF
S901	POWER	OFF

Note: The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

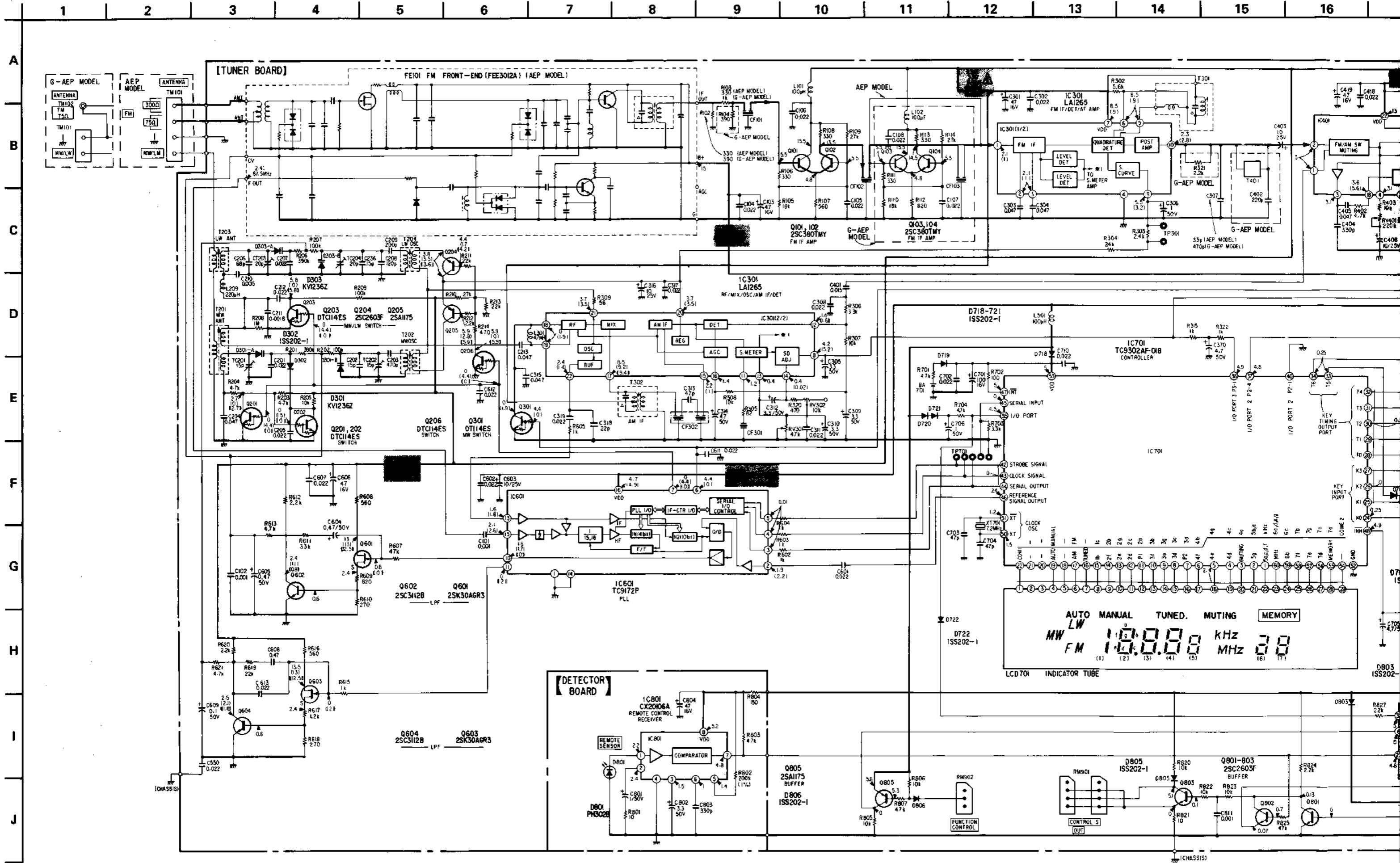
• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D301-A	D-7	IC301	H-8
D301-B	D-8	IC401	G-10
D302	D-7	IC501	D-13
D303-A	E-7	IC601	C-10
D303-B	E-8	IC701	I-12
D401	G-21	IC801	J-21
D402	I-10	IC802	G-14
D501	B-14		
D502	E-13	Q101	D-10
D503	F-11	Q102	E-10
D504	F-11	Q103	E-10
D505	F-11	Q104	F-10
D701	H-12	Q201	G-7
D702	H-12	Q202	F-7
D703	H-12	Q203	G-7
D706	H-13	Q204	G-8
D709	G-4	Q205	F-8
D710	G-4	Q206	G-8
D711	G-4	Q301	G-8
D712	G-4	Q401	E-11
D713	F-3	Q402	E-11
D714	F-3	Q403	E-11
D715	F-4	Q501	F-13
D716	F-2	Q502	E-11
D717	F-2	Q503	E-11
D718	G-12	Q504	D-11
D719	I-11	Q505	C-13
D720	G-13	Q601	C-11
D721	G-13	Q602	C-12
D722	F-13	Q603	C-10
D801	J-21	Q604	C-11
D802	G-15	Q801	F-13
D803	I-14	Q802	G-13
D804	I-15	Q803	G-13
D805	G-14	Q804	I-15
D806	F-16	Q805	F-15
D807	E-15	Q806	E-15
D808	D-15	Q807	E-15
D809	B-18		
D811	J-18		

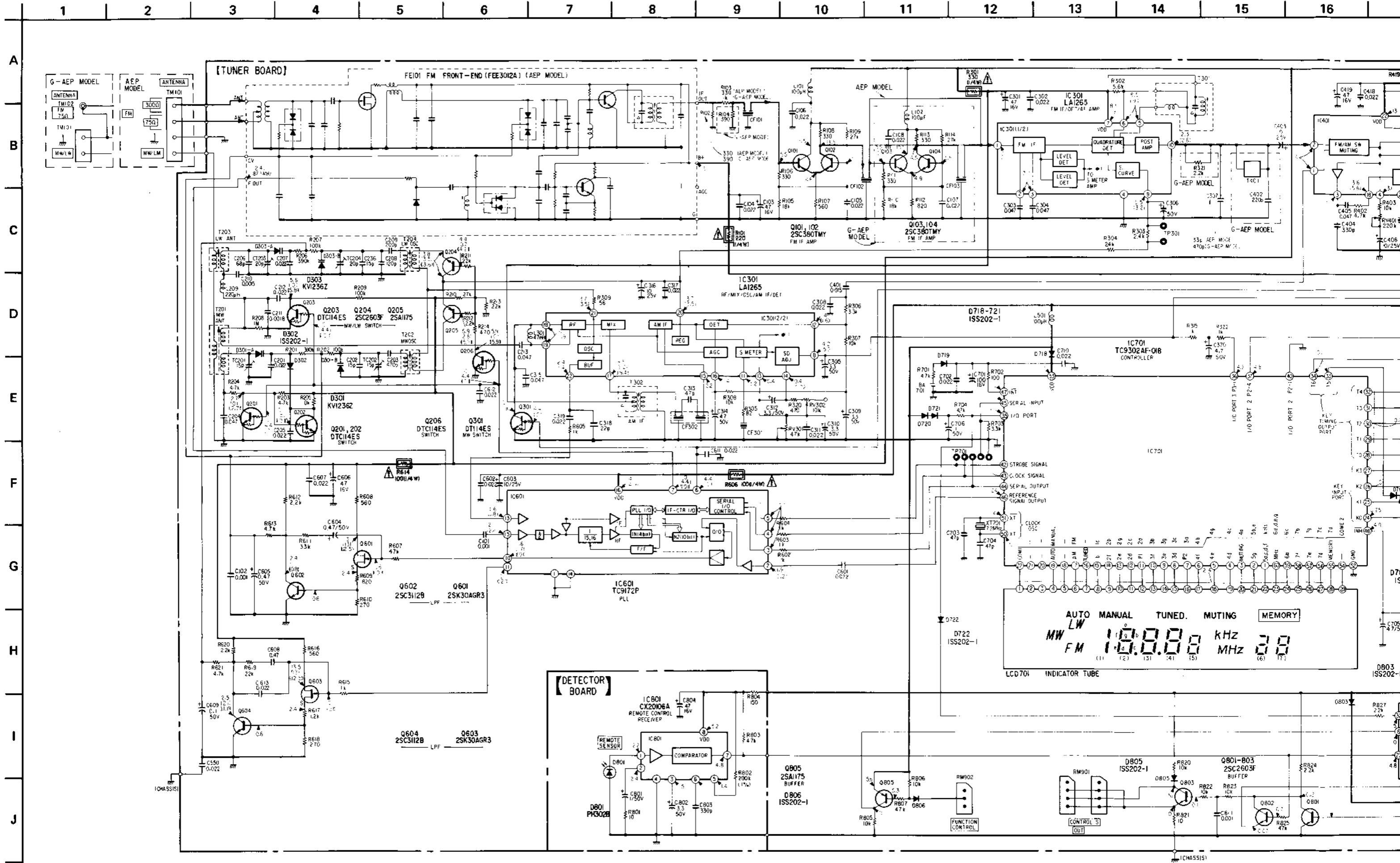


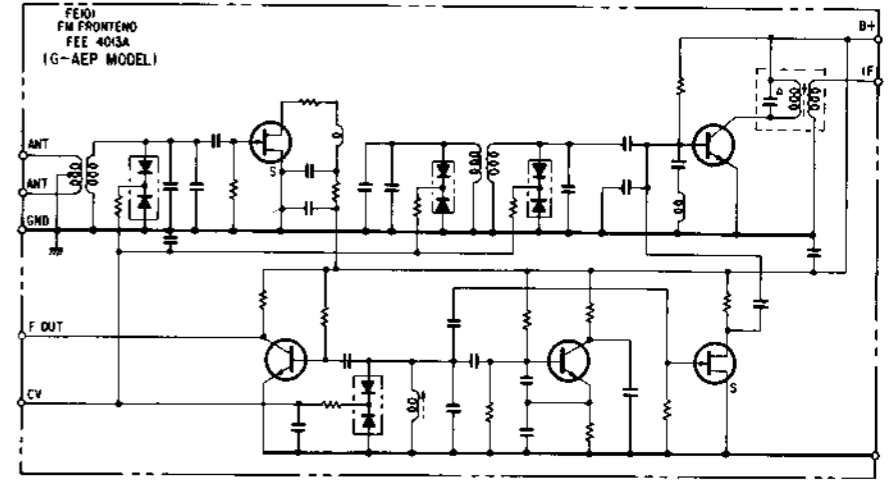
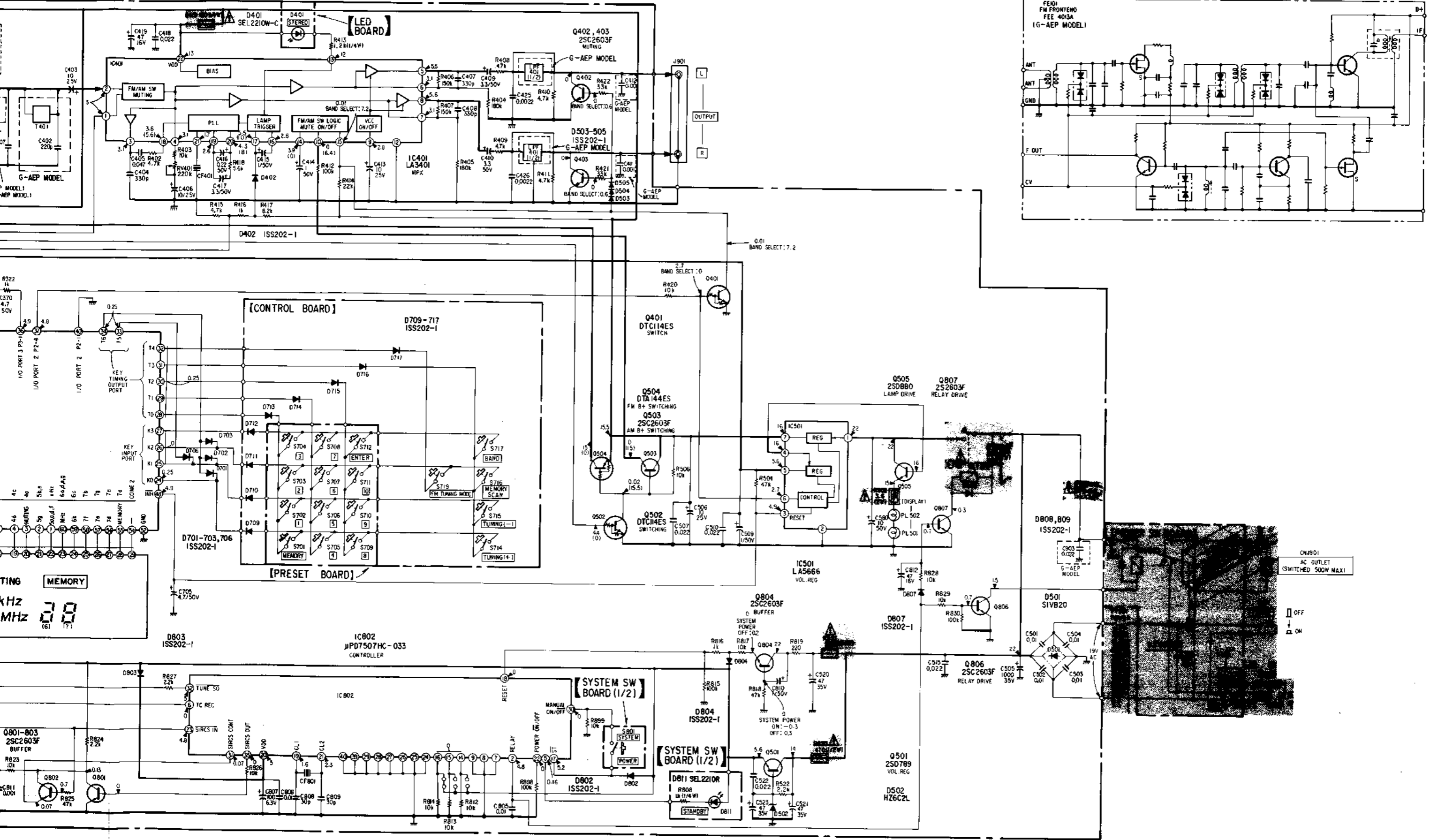


4.2. SCHEMATIC DIAGRAM



4.2. SCHEMATIC DIAGRAM





SECTION 6
ELECTRICAL PARTS LIST

NOTE:

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF:µF, PF:µµF.

RESISTORS

All resistors are in ohms.
F: nonflammable

COILS

MMH: mH, UH: µH

SEMICONDUCTORS

In each case, U: µ, for example:
UA...: µA..., UPA...: µPA..., UPC...: µPC,
UPD...: µPD...

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*A-4351-512-A *A-4351-513-A	(AEP)...MOUNTED PCB, TUNER (G-AEP)...MOUNTED PCB, TUNER
902	*1-618-866-11	PC BOARD, PRESET
903	*1-618-867-11	PC BOARD, CONTROL
904	*1-618-869-11	PC BOARD, AC RELAY
905	*1-618-874-11	PC BOARD, LED
906	*1-618-875-11	PC BOARD, SYSTEM SWITCH
907	*1-618-877-11	PC BOARD, DETECTOR
908	*1-535-115-00	TERMINAL
909	*1-535-139-00	BASE POST 19MM (10MM PITCH) 2P
910	1-535-416-00	TERMINAL
911	1-533-183-11	(AEP)...HOLDER, FUSE
BA701	1-528-120-00	BATTERY, LITHIUM (CR-2025)
C101	1-162-294-31	CERAMIC 0.001MF 10% 50V
C102	1-162-294-31	CERAMIC 0.001MF 10% 50V
C103	1-123-332-00	ELECT 47MF 20% 16V
C104	1-161-494-00	CERAMIC 0.022MF 30% 25V
C105	1-161-494-00	CERAMIC 0.022MF 30% 25V
C106	1-161-494-00	CERAMIC 0.022MF 30% 25V
C107	1-161-494-11	(G-AEP)...CERAMIC 0.022MF 30% 25V
C108	1-161-494-11	(G-AEP)...CERAMIC 0.022MF 30% 25V
C201	1-161-494-00	CERAMIC 0.022MF 30% 25V
C202	1-102-880-00	CERAMIC 15PF 5% 50V
C203	1-104-069-00	POLYSTYRENE 470PF 5% 50V
C204	1-101-006-00	CERAMIC 0.047MF 50V
C205	1-161-494-00	CERAMIC 0.022MF 30% 25V
C206	1-101-888-00	CERAMIC 68PF 5% 50V
C207	1-161-494-00	CERAMIC 0.022MF 30% 25V
C208	1-102-703-21	CERAMIC 120PF 5% 50V
C209	1-103-708-11	POLYSTYRENE 200PF 5% 50V
C210	1-162-301-31	CERAMIC 0.0015MF 30% 16V
C211	1-102-120-00	CERAMIC 0.0018MF 10% 50V
C212	1-161-494-00	CERAMIC 0.022MF 30% 25V
C213	1-101-006-00	CERAMIC 0.047MF 50V
C236	1-101-971-00	CERAMIC 15PF 5% 50V
C301	1-123-332-00	ELECT 47MF 20% 16V
C302	1-161-494-00	CERAMIC 0.022MF 30% 25V
C303	1-101-006-00	CERAMIC 0.047MF 50V
C304	1-101-006-00	CERAMIC 0.047MF 50V
C305	1-123-382-00	ELECT 3.3MF 20% 50V
C306	1-123-380-00	ELECT 1MF 20% 50V
C307	1-162-211-31	(AEP)...CERAMIC 33PF 5% 50V
C307	1-162-290-31	(G-AEP)...CERAMIC 470PF 10% 50V
C308	1-161-494-00	CERAMIC 0.022MF 30% 25V
C309	1-123-382-00	ELECT 3.3MF 20% 50V
C310	1-123-382-00	ELECT 3.3MF 20% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C311	1-161-494-00	CERAMIC 0.022MF 30% 25V
C312	1-123-382-00	ELECT 3.3MF 20% 50V
C313	1-162-215-31	CERAMIC 47PF 5% 50V
C314	1-123-369-00	ELECT 4.7MF 20% 50V
C315	1-101-006-00	CERAMIC 0.047MF 50V
C316	1-123-356-00	ELECT 10MF 20% 25V
C317	1-161-494-00	CERAMIC 0.022MF 30% 25V
C318	1-162-207-31	CERAMIC 22PF 5% 50V
C319	1-161-494-00	CERAMIC 0.022MF 30% 25V
C370	1-123-369-00	ELECT 4.7MF 20% 50V
C401	1-108-583-00	MYLAR 0.015MF 5% 50V
C402	1-162-286-31	(G-AEP)...CERAMIC 220PF 10% 50V
C403	1-123-356-00	ELECT 10MF 20% 25V
C404	1-162-288-31	CERAMIC 330PF 10% 50V
C405	1-108-595-00	MYLAR 0.047MF 5% 50V
C406	1-123-356-00	ELECT 10MF 20% 25V
C407	1-162-288-31	CERAMIC 330PF 10% 50V
C408	1-162-288-31	CERAMIC 330PF 10% 50V
C409	1-123-382-00	ELECT 3.3MF 20% 50V
C410	1-123-382-00	ELECT 3.3MF 20% 50V
C411	1-162-294-31	(G-AEP)...CERAMIC 0.001MF 10% 50V
C412	1-162-294-31	(G-AEP)...CERAMIC 0.001MF 10% 50V
C413	1-123-356-00	ELECT 10MF 20% 25V
C414	1-123-380-00	ELECT 1MF 20% 50V
C415	1-123-380-00	ELECT 1MF 20% 50V
C416	1-123-608-00	ELECT 0.22MF 20% 50V
C417	1-123-382-00	ELECT 3.3MF 20% 50V
C418	1-161-494-00	CERAMIC 0.022MF 30% 25V
C419	1-123-332-00	ELECT 47MF 20% 16V
C425	1-101-002-00	CERAMIC 0.0022MF 50V
C426	1-101-002-00	CERAMIC 0.0022MF 50V
C501	1-101-004-00	CERAMIC 0.01MF 50V
C502	1-101-004-00	CERAMIC 0.01MF 50V
C503	1-101-004-00	CERAMIC 0.01MF 50V
C504	1-101-004-00	CERAMIC 0.01MF 50V
C505	1-124-901-00	ELECT 1000MF 20% 35V
C506	1-123-356-00	ELECT 10MF 20% 25V
C507	1-161-494-00	CERAMIC 0.022MF 30% 25V
C509	1-123-380-00	ELECT 1MF 20% 50V
C510	1-161-494-00	CERAMIC 0.022MF 30% 25V
C515	1-101-005-00	CERAMIC 0.022MF 50V
C520	1-123-359-00	ELECT 47MF 20% 35V
C521	1-123-359-00	ELECT 47MF 20% 35V
C522	1-101-005-00	CERAMIC 0.022MF 50V
C523	1-123-359-00	ELECT 47MF 20% 35V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C550	1-101-005-00	CERAMIC 0.022MF 50V
C560	1-123-356-00	ELECT 10MF 20% 50V
C601	1-161-494-00	CERAMIC 0.022MF 30% 25V
C602	1-161-494-00	CERAMIC 0.022MF 30% 25V
C603	1-123-356-00	ELECT 10MF 20% 25V
C604	1-123-379-00	ELECT 0.47MF 20% 50V
C605	1-123-379-00	ELECT 0.47MF 20% 50V
C606	1-123-332-00	ELECT 47MF 20% 16V
C607	1-161-494-00	CERAMIC 0.022MF 30% 25V
C608	1-130-776-00	FILM 0.47MF 5% 63V
C609	1-123-607-00	ELECT 0.1MF 20% 50V
C611	1-101-005-00	CERAMIC 0.022MF 50V
C612	1-101-005-00	CERAMIC 0.022MF 50V
C613	1-101-005-00	CERAMIC 0.022MF 50V
C701	1-123-333-00	ELECT 100MF 20% 16V
C702	1-161-494-00	CERAMIC 0.022MF 30% 25V
C703	1-102-852-00	CERAMIC 47PF 5% 50V
C704	1-102-852-00	CERAMIC 47PF 5% 50V
C705	1-123-369-00	ELECT 4.7MF 20% 50V
C706	1-123-380-00	ELECT 1MF 20% 50V
C710	1-161-494-00	CERAMIC 0.022MF 30% 25V
C801	1-123-611-00	ELECT 1MF 20% 50V
C802	1-123-613-00	ELECT 3.3MF 20% 50V
C803	1-162-288-31	CERAMIC 330PF 10% 50V
C804	1-123-821-00	ELECT 47MF 20% 16V
C805	1-162-306-31	CERAMIC 0.01MF 30% 16V
C806	1-162-306-31	CERAMIC 0.01MF 30% 16V
C807	1-123-661-00	ELECT 100MF 20% 6.3V
C808	1-102-517-00	CERAMIC 30PF 5% 50V
C809	1-102-517-00	CERAMIC 30PF 5% 50V
C810	1-123-380-00	ELECT 1MF 20% 50V
C811	1-162-294-31	CERAMIC 0.001MF 10% 50V
C812	1-123-332-00	ELECT 47MF 20% 16V
C901▲	1-161-744-00	CERAMIC 0.01MF 400V
C902▲	1-161-744-00	CERAMIC 0.01MF 400V
C903	1-101-005-00	(G-AEP)...CERAMIC 0.022MF 50V
CF101	1-567-389-11	FILTER, CERAMIC
CF102	1-567-389-11	FILTER, CERAMIC
CF103	1-567-389-11	(G-AEP)...FILTER, CERAMIC
CF301	1-527-981-00	FILTER, CERAMIC
CF302	1-527-937-00	FILTER, CERAMIC
CF401	1-567-250-11	OSCILLATOR, CERAMIC
CF801	1-567-192-11	OSCILLATOR, CERAMIC
CNJ701*	1-564-507-11	PLUG, CONNECTOR 4P
CNJ702*	1-564-508-11	PLUG, CONNECTOR 5P
CNJ705*	1-564-505-11	PLUG, CONNECTOR 2P
CNJ710*	1-564-506-11	PLUG, CONNECTOR 3P
CNJ711*	1-564-507-11	PLUG, CONNECTOR 4P
CNJ712*	1-564-506-11	PLUG, CONNECTOR 3P
▲CNP901.1	1-526-794-11	OUTLET, AC
▲CNP901.1	1-534-817-XX	CORD, POWER, EULO PLUG
CT201	1-141-180-00	CAP, TRIMMER 15P
CT202	1-141-180-00	CAP, TRIMMER 15P
CT203	1-141-171-00	CAP, TRIMMER 20P
CT204	1-141-171-00	CAP, TRIMMER 20P
D301	8-719-902-79	DIODE KV1236Z
D302	8-719-107-94	DIODE 1SS202-1
D303	8-719-902-79	DIODE KV1236Z

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D401	8-719-302-74	DIODE SEL2210W-C
D402	8-719-107-94	DIODE 1SS202-1
D501▲	8-719-511-20	DIODE 1SVB20
D502	8-719-910-68	DIODE H26C2L
D503	8-719-107-94	DIODE 1SS202-1
D504	8-719-107-94	DIODE 1SS202-1
D505	8-719-107-94	DIODE 1SS202-1
D701	8-719-107-94	DIODE 1SS202-1
D702	8-719-107-94	DIODE 1SS202-1
D703	8-719-107-94	DIODE 1SS202-1
D706	8-719-107-94	DIODE 1SS202-1
D709	8-719-107-94	DIODE 1SS202-1
D710	8-719-107-94	DIODE 1SS202-1
D711	8-719-107-94	DIODE 1SS202-1
D712	8-719-107-94	DIODE 1SS202-1
D713	8-719-107-94	DIODE 1SS202-1
D714	8-719-107-94	DIODE 1SS202-1
D715	8-719-107-94	DIODE 1SS202-1
D716	8-719-107-94	DIODE 1SS202-1
D717	8-719-107-94	DIODE 1SS202-1
D718	8-719-107-94	DIODE 1SS202-1
D719	8-719-107-94	DIODE 1SS202-1
D720	8-719-107-94	DIODE 1SS202-1
D721	8-719-107-94	DIODE 1SS202-1
D722	8-719-107-94	DIODE 1SS202-1
D801	8-719-110-32	DIODE PH302B
D802	8-719-107-94	DIODE 1SS202-1
D803	8-719-107-94	DIODE 1SS202-1
D804	8-719-107-94	DIODE 1SS202-1
D805	8-719-107-94	DIODE 1SS202-1
D806	8-719-107-94	DIODE 1SS202-1
D807	8-719-107-94	DIODE 1SS202-1
D808▲	8-719-107-94	DIODE 1SS202-1
D809▲	8-719-107-94	DIODE 1SS202-1
D811	8-719-300-71	DIODE SEL2210R
F901▲	1-532-237-00	(AEP)...FUSE, TIME-LAG T3.15A
FE101	1-463-609-11	(AEP)...FRONT END, FM (FEE-3012A)
FE101	1-463-611-11	(G-AEP)...FRONT END, FM (FEE-4013A)
IC301	8-759-801-81	IC LA1265
IC401	8-759-801-80	IC LA3401
IC501	8-759-802-61	IC LA5666
IC601	8-759-202-63	IC TC9172P
IC701	8-759-207-45	IC TC9302AF-018
IC801	8-759-602-54	IC CX20106A
IC802	8-579-107-77	IC UPD7507HC-033
J901	1-507-807-00	(AEP)...JACK, PIN 2P
J901	1-507-997-11	(G-AEP)...JACK, PIN 2P
L101	1-410-564-21	MICRO INDUCTOR 100UH
L102	1-410-564-21	(G-AEP)...MICRO INDUCTOR 100UH
L209	1-410-568-21	MICRO INDUCTOR 220UH
L301	1-408-920-00	MICRO INDUCTOR 4.7MMH
L501	1-410-564-21	MICRO INDUCTOR 100UH
LC0701	1-807-453-21	DISPLAY PANEL, LIQUID CRYSTAL
LPF401	1-235-221-00	(G-AEP)...FILTER, LOW PASS

P901

M901

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Identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

Remarks

CR

ST-JX430L

ELECTRICAL PARTS


Ref.No.	Part No.	Description			
R613	1-249-425-11	CARBON	4.7K	5%	1/6W
R614	1-247-107-00	CARBON	100	5%	1/4W
R615	1-249-417-11	CARBON	1K	5%	1/6W
R616	1-249-414-11	CARBON	560	5%	1/6W
R617	1-247-833-00	CARBON	1.2K	5%	1/6W
R618	1-247-817-00	CARBON	270	5%	1/6W
R619	1-249-433-11	CARBON	22K	5%	1/6W
R620	1-249-421-11	CARBON	2.2K	5%	1/6W
R621	1-249-425-11	CARBON	4.7K	5%	1/6W
R701	1-249-425-11	CARBON	4.7K	5%	1/6W
R702	1-249-405-11	CARBON	100	5%	1/6W
R703	1-247-843-00	CARBON	3.3K	5%	1/6W
R704	1-249-425-11	CARBON	4.7K	5%	1/6W
R801	1-247-783-00	CARBON	10	5%	1/6W
R802	1-215-476-00	METAL	200K	1%	1/6W
R803	1-249-425-11	CARBON	4.7K	5%	1/6W
R804	1-247-811-00	CARBON	150	5%	1/6W
R805	1-249-429-11	CARBON	10K	5%	1/6W
R806	1-249-429-11	CARBON	10K	5%	1/6W
R807	1-249-425-11	CARBON	4.7K	5%	1/6W
R808	1-247-713-11	CARBON	1K	5%	1/4W
R812	1-249-429-11	CARBON	10K	5%	1/6W
R813	1-249-429-11	CARBON	10K	5%	1/6W
R814	1-249-429-11	CARBON	10K	5%	1/6W
R815	1-249-441-11	CARBON	100K	5%	1/6W
R816	1-249-417-11	CARBON	1K	5%	1/6W
R817	1-249-429-11	CARBON	10K	5%	1/6W
R818	1-249-437-11	CARBON	47K	5%	1/6W
R819	1-247-815-00	CARBON	220	5%	1/6W
R820	1-249-429-11	CARBON	10K	5%	1/6W
R821	1-247-783-00	CARBON	10	5%	1/6W
R822	1-249-429-11	CARBON	10K	5%	1/6W
R823	1-249-429-11	CARBON	10K	5%	1/6W
R824	1-249-421-11	CARBON	2.2K	5%	1/6W
R825	1-249-437-11	CARBON	47K	5%	1/6W
R826	1-249-429-11	CARBON	10K	5%	1/6W
R827	1-249-421-11	CARBON	2.2K	5%	1/6W
R828	1-249-429-11	CARBON	10K	5%	1/6W
R829	1-249-429-11	CARBON	10K	5%	1/6W
R830	1-249-441-11	CARBON	100K	5%	1/6W
R831	1-249-441-11	METAL OXIDE	150	5%	2W
R832	1-249-441-11	METAL OXIDE	220	5%	2W
R898	1-249-441-11	CARBON	100K	5%	1/6W
R899	1-249-429-11	CARBON	10K	5%	1/6W
RM900	1-515-617-11	RELAY			
RM901	1-515-618-11	RELAY			
RM901	*1-558-235-11	CORD (WITH CONNECTOR)			
RM902	*1-558-520-11	CORD (WITH CONNECTOR) 3P			
RV301	1-228-996-00	RES, ADJ, CARBON 47K			
RV302	1-228-994-00	RES, ADJ, CARBON 10K			
RV401	1-228-998-00	RES, ADJ, CARBON 220K			
S701	1-554-303-21	SWITCH, KEY BOARD (MEMORY)			
S702	1-554-303-21	SWITCH, KEY BOARD (1)			
S703	1-554-303-21	SWITCH, KEY BOARD (2)			
S704	1-554-303-21	SWITCH, KEY BOARD (3)			
S705	1-554-303-21	SWITCH, KEY BOARD (4)			
S706	1-554-303-21	SWITCH, KEY BOARD (5)			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
S707	1-554-303-21	SWITCH, KEY BOARD (6)
S708	1-554-303-21	SWITCH, KEY BOARD (7)
S709	1-554-303-21	SWITCH, KEY BOARD (8)
S710	1-554-303-21	SWITCH, KEY BOARD (9)
S711	1-554-303-21	SWITCH, KEY BOARD (0)
S712	1-554-303-21	SWITCH, KEY BOARD (ENTER)
S714	1-554-303-21	SWITCH, KEY BOARD (TUNING +)
S715	1-554-303-21	SWITCH, KEY BOARD (TUNING -)
S716	1-554-303-21	SWITCH, KEY BOARD (MEMORY SCAN)
S717	1-554-303-21	SWITCH, KEY BOARD (BAND)
S719	1-554-303-21	SWITCH, KEY BOARD (FM TUNING MODE)
S801	1-554-303-21	SWITCH, KEY BOARD (SYSTEM POWER)
S901 A	1-553-318-51	SWITCH, PUSH (AC POWER) (1 KEY)
T201	1-402-080-11	COIL, ANT (MW)
T202	1-406-089-11	COIL (OSC)
T203	1-402-071-11	COIL, ANT (LW)
T204	1-406-207-11	COIL, LW (OSC)
T301	1-404-659-11	COIL, DISCRIMINATOR
T302	1-404-535-11	COIL (WITH IFT)
T401	1-235-126-00	(G-AEP)...ENCAPSULATED COMPONENT
TM101	1-536-707-00	(G-AEP)...TERMINAL BOARD, PUSH 2P
TM101	1-536-708-00	(AEP)....TERMINAL BOARD, PUSH 4P
TM102	1-563-199-11	(G-AEP)...CONNECTOR, PAL
TP301	*1-560-060-00	PIN, CONNECTOR 2P
TP701	*1-560-063-00	PIN, CONNECTOR 5P
XT701	1-567-125-00	VIBRATOR, CRYSTAL

ACCESSORY & PACKING MATERIAL

Part No.	Description
1-402-082-11	ANTENNA, FERRITE-ROD (LW/MW/SW)
1-463-726-11	REMOTE COMMANDER (RM-S400)
1-501-351-21	ANTENNA, FEEDER
1-506-452-11	(AEP)....ADAPTOR, PLUG
1-558-232-11	CORD (WITH CONNECTOR)(SIRCS)4P
1-558-543-21	CORD, CONNECTION
1-558-564-11	CORD (WITH CONNECTOR) 3P
3-701-630-00	BAG, POLYETHYLENE
3-703-713-41	STICKER, SONY SYMBOL (10)
3-765-297-11	(AEP)....MANUAL, INSTRUCTION
3-765-297-41	MANUAL, INSTRUCTION
4-876-352-00	SHEET, PROTECTION
4-905-240-01	CUSHION, LOWER
4-905-242-01	CUSHION (LEFT), UPPER
4-905-243-01	CUSHION (RIGHT), UPPER
4-905-292-21	INDIVIDUAL CARTON
4-907-610-01	JOINT

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

9-952-336-11

Sony Corporation

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