HITACHI

TRK-8800E,E(BS)

SERVICE MANUAL

For Service Manuals Contact
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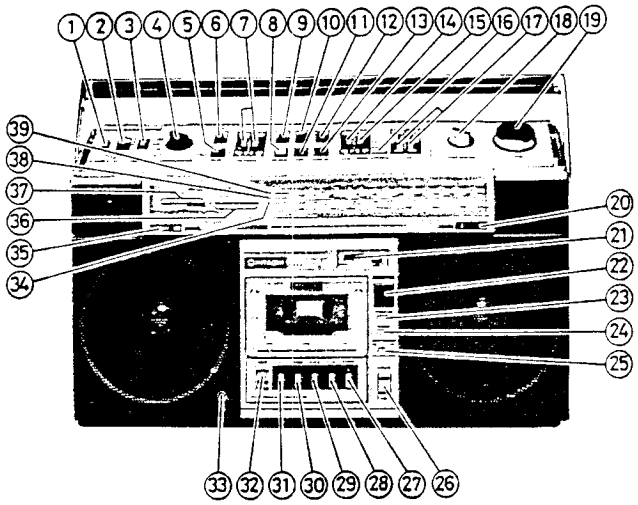
No. 1389



KEY TO ILLUSTRATIONS

1 Dial light button
2 Power switch
3 Timer stand-by mode switch
4 Function selector
5 Meter switch (Tune/Batt./Level)
6 AFC switch
7 Record level controls
8 REC mute switch
9 Record mode selector (Auto/Manual)
10 Tape selector (Bias) switch
11 Mode switch
12 Tape selector (Equalizer) switch
13 Dolby NR switch
14 Bass control
15 Treble control
16 Loudness switch
17 Volume control
18 Band selector
19 Tuning control
20 Built-in microphone (Right)
21 Tape counter
22 Program indicator
23 Program switch
24 Repeat switch
25 Auto rewind switch
26 Pause button
27 Stop button
28 Fast forward button
29 Playback button
30 Rewind button
31 Record button
32 Eject button
33 Headphone socket
34 Dolby NR indicator
35 Built-in microphone (Left)
36 Level/tuning indicator
37 Level/battery indicator
38 FM stereo indicator
39 Operation indicator (For E)
AC power indicator [For E(BS)]

SPECIFICATIONS

GENERAL SECTION

Semi-conductors:	IC's: 13 Transistors: 48 Diodes: 43 LED: 23 Varistors: 2
Power (Mains) Supply:	AC: 220V, 50 Hz [For E] 240V, 50 Hz [For E (BS)] DC: 13.5V (IEC R20 x 9) Car: Use car battery adaptor
Power (Mains) Consumption:	5 cm, 4 ohms x 2 24W
Power output:	8W/CH (Max.), 5W/CH (THD 10%)
Speaker:	16 cm, 3.2 ohms x 2
Dimensions:	556(W) x 318(H) x 173(D) mm
Weight:	8.0 kg (with batteries)

TUNER SECTION

Circuit System:	FM/SW/MW/LW 4-band superheterodyne
Tuning Range:	FM: 87.5 to 108 MHz SW: 6.0 to 18 MHz MW: 530 to 1605 kHz LW: 150 to 350 kHz
Sensitivity:	FM: 10 dB (pra.), 2 dB (max.) SW: 25 dB (pra.), 20 dB (max.) MW: 42 dB (pra.), 30 dB (max.) LW: 52 dB (pra.), 40 dB (max.)
Intermediate Frequency:	FM: 10.7 MHz SW/MW/LW: 468 kHz
Antennas (Aerials):	FM/SW: Telescopic antenna or External antenna MW/LW: Ferrite-core antenna

TAPE RECORDER

Tape:	Cassette tape (C-30, 60, 90)
Tape Speed:	4.75 cm/s
Recording System:	AC bias, 57 kHz
Erasing System:	AC erasing
Frequency Response:	Normal: 50~12,000 Hz CrO_2: 50~14,000 Hz Metal: 50~15,000 Hz
S/N (Signal to Noise Ratio):	50 dB (Dolby NR OFF) 60 dB (Dolby NR ON)
Wow & Flutter:	0.06% (WRMS)
Cross Talk:	Between tracks: 50 dB Between channels: 25 dB
Erase Ratio:	65 dB
Input sensitivity and Impedance:	Microphone: 0.4 mV, 500 ohms Phono: 3 mV, 50 kohms Record/Playback(DIN): 6 mV, 12 kohms
Output Level and Impedance:	Record/Playback(DIN): 775 mV, 5 kohms Ext. speaker: 3.2 ohms
Fast Forward or Rewinding Time:	110 sec (Using C-60)
Distortion:	1.5%
Motor:	DC micromotor x 2

* Specifications and schematic diagram are subject to change for performance improvement without notice.

CASSETTE TAPE RECORDER WITH FM/SW/MW/LW RADIO

July 1980

SAFETY PRECAUTION

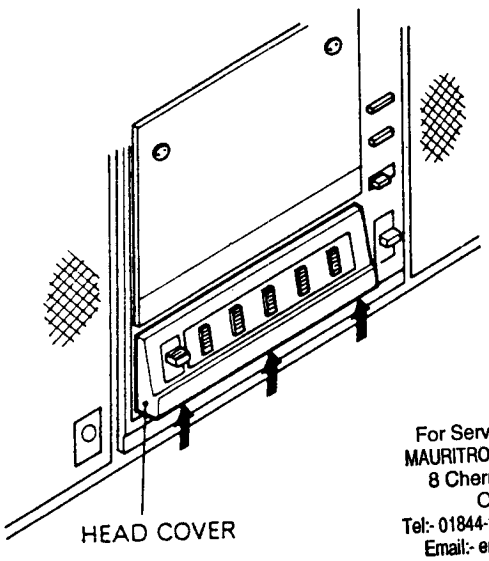
The following precautions should be observed when servicing.

1. Since many parts in the unit have special safety-related characteristics, always use genuine Hitachi's replacement parts. Especially critical parts in the power circuit block should not be replaced with other makes.
   Critical parts are marked with ⚠ in the schematic diagram, and circuit board diagram.
2. Before returning a repaired unit to the customer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

DISASSEMBLY

1. Head Cover

Push up the head cover in the direction of arrow.



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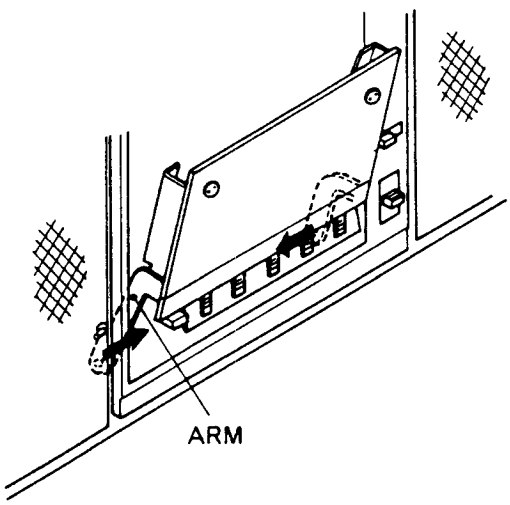
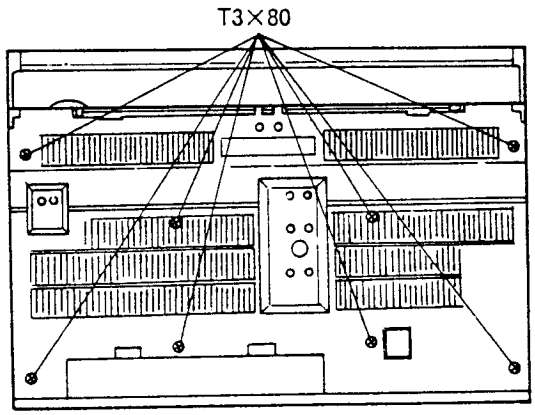
2. Cassette Lid

Press the eject button to release the engagement of the mechanism and cassette lid. Then push the both arms of cassette lid in the direction of arrow.



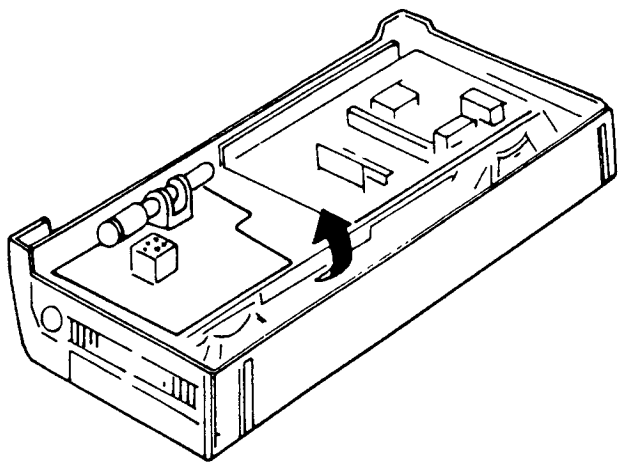
3. Rear Case



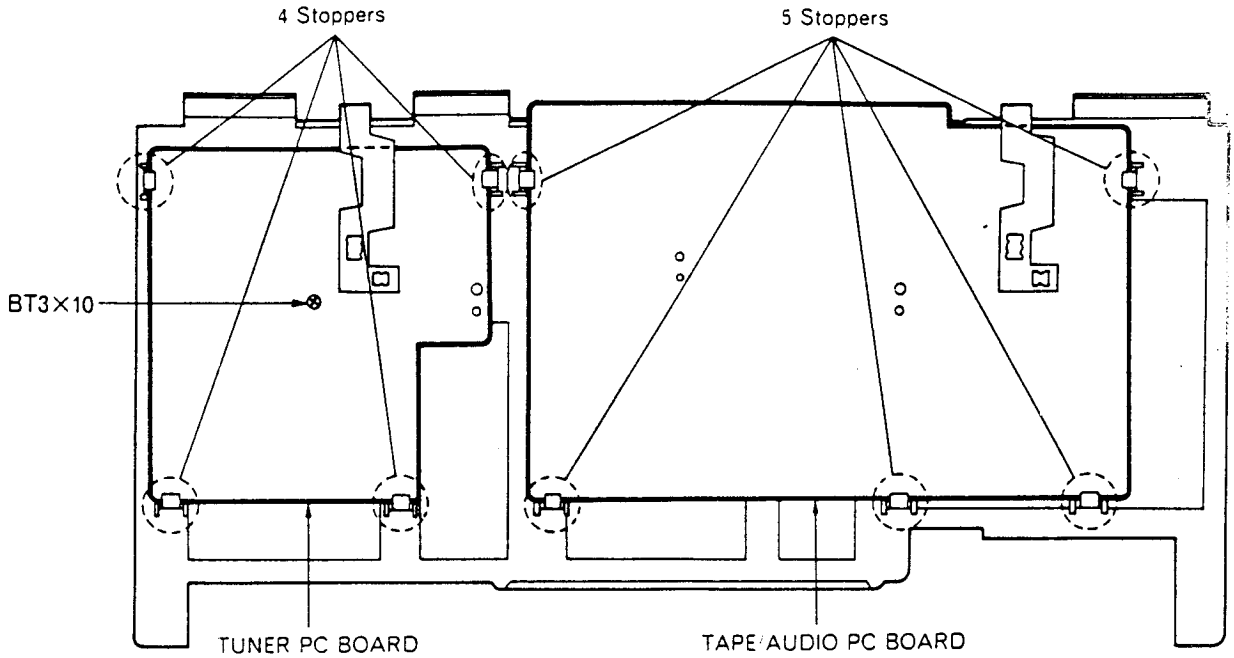
4. Main Chassis

Remove nine knobs (Function, REC Volume, Bass, Treble, Volume, Band, Tuning).

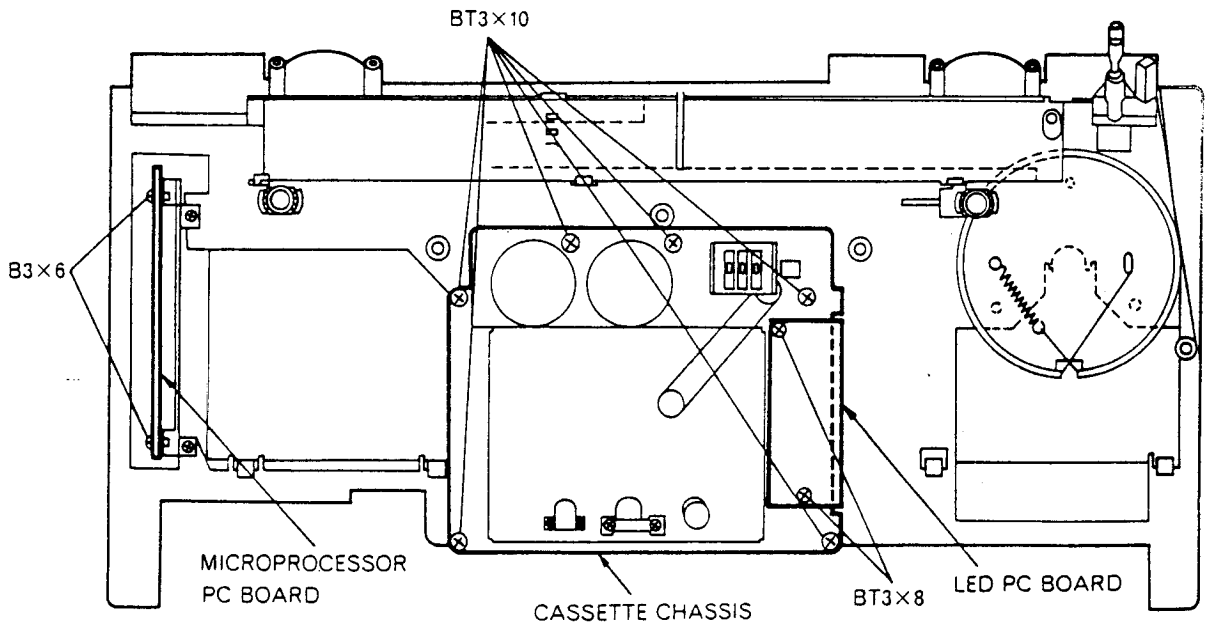
Press the eject button to release the engagement of the mechanism and cassette lid. Then lift up the battery side of the main chassis.



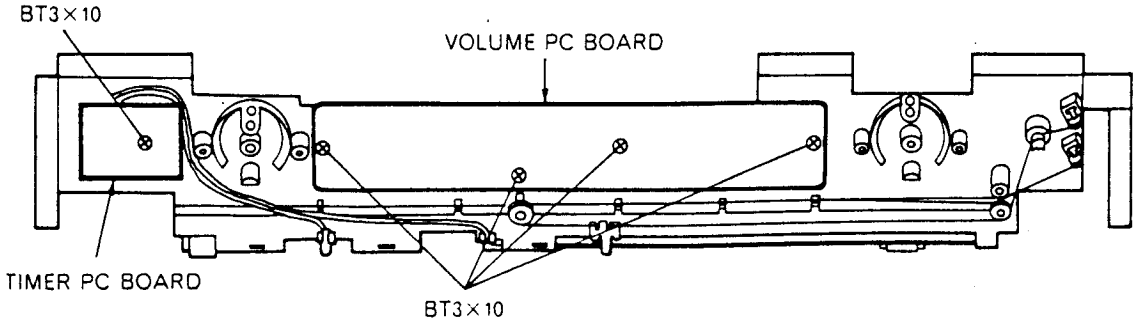
5. Tuner PC Board, Tape/Audio PC Board



6. Cassette Chassis, Microprocessor PC Board, LED PC Board

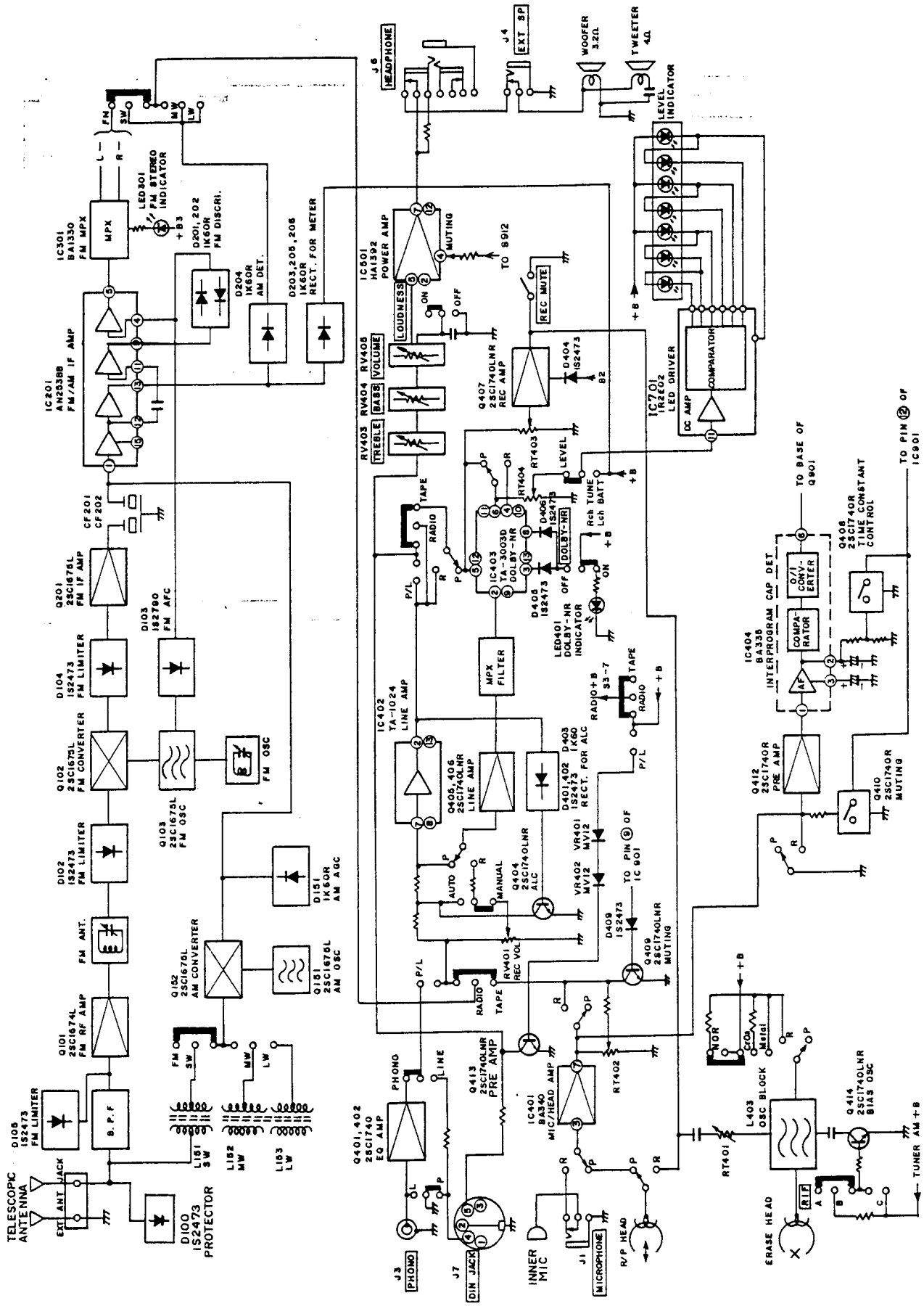


7. Volume PC Board, Timer PC Board

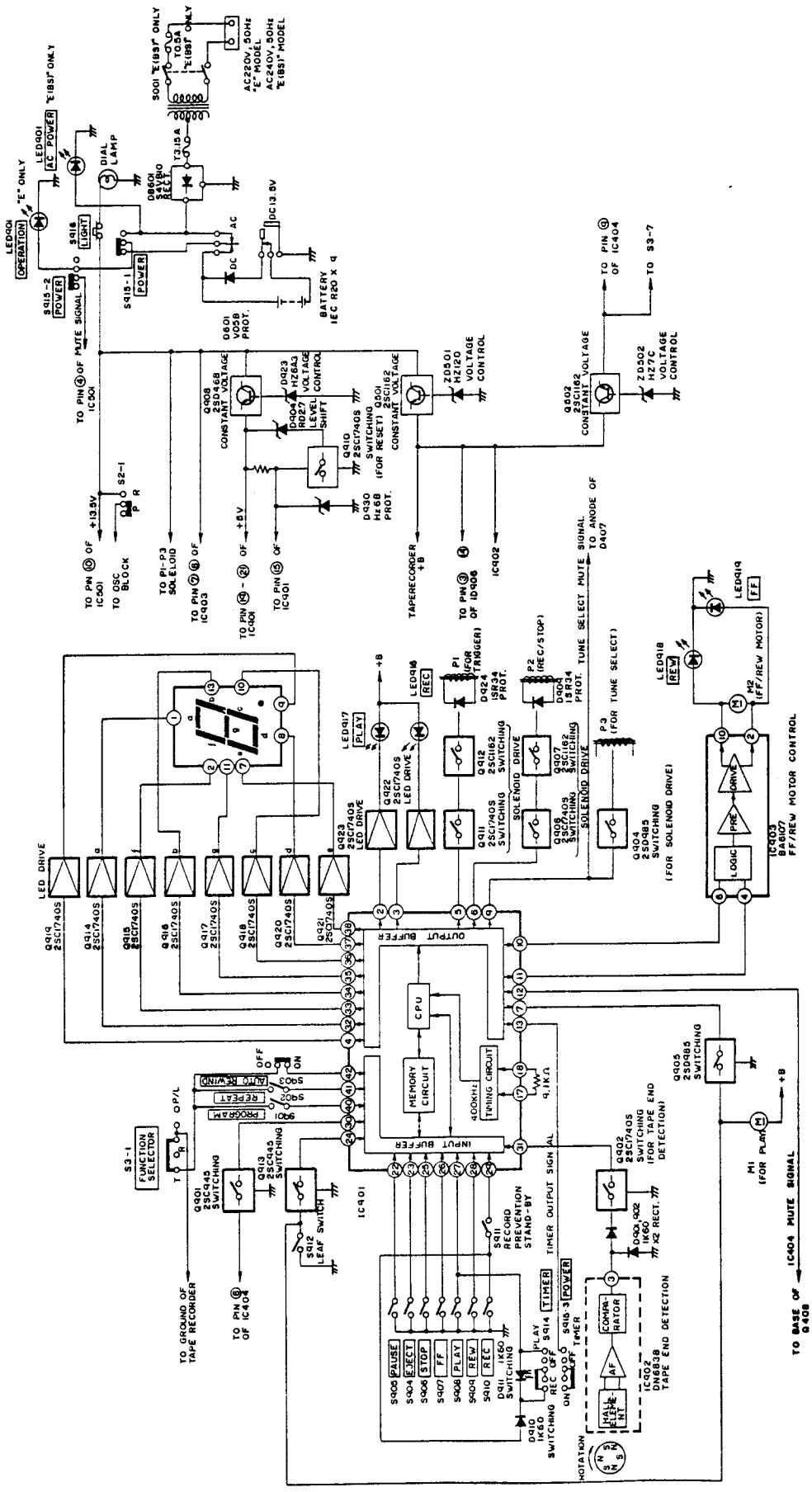


BLOCK DIAGRAM

1. Tuner/Tape recorder Section



2. Microprocessor and peripheral circuit



ADJUSTMENT

1. Tuner Section

* For West Germany

Step		Adjustment Item	Measuring Instrument and Connection: Measuring Instrument	Input Terminal	Output Terminal	Genescope or Signal Generator Frequency	Dial Pointer Position	Adjust	Reading
1	(1)	FM IF	Turn T202 fully counterclockwise.						
			• Genescope (10.7 MHz)	TP102	TP201	10.7 MHz	Highest	T101 T201	Note 1
	(2)	S-Curve						T202	Note 2
2	(1)	FM OSC. (Covering)	• FM signal generator (400Hz 30% mod.) • Oscilloscope • VTVM	TP101 (thru dummy antenna)	Speaker terminal	87 MHz (87.5 MHz*)	Lowest	L103	Max.
	(2)					109 MHz (108 MHz*)	Highest	CT102	
	(3)					Repeat steps (1) and (2)			
3	(1)	FM ANT. (Tracking)				90 MHz	90 MHz	L101	Max.
	(2)					106 MHz	106 MHz	CT101	
	(3)					Repeat steps (1) and (2)			
4	(1)	FM MPX (Multiplex)	• Frequency counter	Connect a 10μF 25V electrolytic capacitor between the No.2 pin of IC301 and ground.	TP301	—	—	RT302	19 kHz ±200 Hz (Note 3)
5	(1)	FM Stereo Separation	• FM signal generator [98MHz, L+R(1kHz): 30% mod. Pilot (19kHz) : 10% mod.] • Oscilloscope • VTVM	TP101 (thru dummy antenna)	Speaker terminal	98 MHz 60 dB	98 MHz	RT301	Note 4
6	(1)	AM IF	• Genescope (468 kHz)	Ferrite antenna	TP251	468 kHz	Highest	T151 T204	Note 5
	(2)					Repeat step (1)			
7	(1)	MW OSC. (Covering)	• AM signal generator (400Hz, 30% mod.) • VTVM		Speaker terminal	515 kHz	Lowest	L155	Max.
	(2)					1650 kHz	Highest	CT155	
	(3)					Repeat steps (1) and (2)			
8	(1)	MW ANT. (Tracking)				600 kHz	600 kHz	L152	Max.
	(2)					1400 kHz	1400 kHz	CT152	
	(3)					Repeat steps (1) and (2)			
9	(1)	LW OSC. (Covering)				145 kHz	Lowest	L156	Max.
	(2)					360 kHz	Highest	CT156	
	(3)					Repeat steps (1) and (2)			
10	(1)	LW ANT. (Tracking)				160 kHz	160 kHz	L153	Max.
	(2)					330 kHz	330 kHz	CT153	
	(3)					Repeat steps (1) and (2)			

Step		Adjustment Item	Measuring Instrument and Connection			Genescope or Signal Generator Frequency	Dial Pointer Position	Adjust	Reading
			Measuring Instrument	Input Terminal	Output Terminal				
11	(1)	SW OSC. (Covering)	• AM signal generator (400Hz, 30% mod.) • VTVM	TP101 (thru dummy antenna)	Speaker terminal	5.8 MHz	Lowest	L154	Max.
	(2)					18.5 MHz	Highest	CT154	
	(3)					Repeat steps (1) and (2)			
12	(1)	SW ANT. (Tracking)				6.5 MHz	6.5 MHz	L151	Max.
	(2)					16.0 MHz	16.0 MHz-	CT151	
	(3)					Repeat steps (1) and (2)			
13	(1)	FM Tuning level	• Genescope (10.7 MHz)	TP102	TP252	10.7 MHz	Highest	T203	Max.

Note:

1. Feed in a weak signal to TP102 from the genescope. Adjust T101, T201 for maximum gain and the wave form indicated in Figure 1. If the center of the wave form cannot be lined up on the marker, adjust the right/ left balance.
2. Use the T202 core to form the S-curve shown in Figure 2. Adjust the symmetry of A and B about point C for linearity.
3. Connect the frequency counter to TP301 via a resistor of 100 kΩ.
4. Feed the signal for each channel and adjust RT301 so that an optimum separation can be obtained.
5. Feed in a weak signal from the genescope. Adjust T151 and T204 for maximum gain and the waveform of Figure 3.

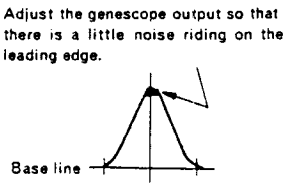


Fig. 1

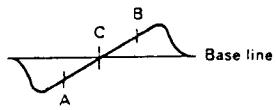


Fig. 2

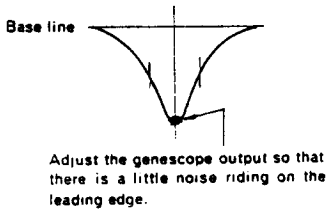


Fig. 3

2. Tape Recorder Section

Perform the following adjustments in the sequence stated after cleaning the head, pressure roller, and capstan with a head cleaning stick moisted in alcohol.

Step	Adjustment Item	Measuring Instrument and connection			Check Tape	Mode	Adjusted Position	Adjusted Value	Remarks
		Measuring Instrument	Input Terminal	Output Terminal					
1	Tape speed	•Frequency counter	—	Record/ Playback socket (output)	MTT-111, 3,000 Hz	Playback	Semivariable resistor in the motor	3000 Hz $^{+90}_{-10}$ Hz	Note 1
2	Head azimuth	• VTVM	—		MTT-316 or 216 12.5 kHz		Azimuth adjusting screw	Output Max.	Note 2
3	Playback gain	Set the tape selector (EQ) switch to Normal position.							
		• VTVM	—	TP401L,R	MTT-150, 400 Hz 20 m Maxwell	Playback	RT402L,R	0.775V (0 dBm)	—
4	Level indicator						RT404L,R	0 dB	Note 3

Step	Adjustment Item	Measuring Instrument and Connection			Check Tape	Mode	Adjusted Position	Adjusted Value	Remarks
		Measuring Instrument	Input Terminal	Output Terminal					
5	Bias leakage	Set the tape selector (Bias) switch to Metal position.							
		•VTVM	—	TP403L,R	—	Record	L401L,R	Output Min.	—
6	Bias current	①Set the tape selector (Bias, EQ) switch to Normal position. ②Adjust RT403L,R to middle position. ③Next, turn L402L,R fully clockwise.							
		•Audio oscillator (1.25kHz/ 12.5kHz, 0 dB −20 dB •Frequency counter •VTVM	Record/ playback socket (input)	Record/ playback socket (output)	Hitachi ER/UD tape	Record/ playback	RT401L,R	Output difference : within ±2 dB	Note 4
7	Record/ playback output	Set the tape selector (Bias, EQ) switch to Normal position.							
		•Audio oscillator (400 Hz, 0 dB) •Frequency counter •VTVM	Record/ playback socket (input)	Record/ playback socket (output)	Hitachi ER/UD tape	Record/ playback	RT403L,R	0 dB±1 dB	Note 5
8	Dolby NR check	•Audio oscillator (5 kHz, level of −30.4 dBm ±0.1 dB at TP401L,R) •Frequency counter •VTVM	Record/ playback socket (input)	TP401L,R	——	Record	Set the Dolby NR switch to ON.	8dB±0.2dB boost	Note 6
9	DRPS level	Connect a VTVM between pin ⑥ of IC404 and the ground. Load test tape TMT-6261 (500 Hz, −40 dB/ −35 dB) and set the unit to the DRPS mode (FF) from the playback mode. Play the recorded signal section (500 Hz, −40 dB) of the test tape in the DRPS mode (FF), and adjust RT405 so that output voltage becomes Hi (8.5V) to Lo (0V). Check that the output voltage of IC404 pin ⑥ is Hi potential at the −35 dB section, and Lo potential at the −40 dB section.							
10	Checking STOP	Load test tape TMT-6262 (for checking Stop/Non-stop) and set the unit to the DRPS mode (FF) after the tape fully rewound. Check that the tape does not stop at non-signal sections (0.8 sec), but stops at the next 3.0 sec non-signal section. Since the 0.8 sec and 3.0 sec non-signal sections are present at 9 positions with equal intervals, it can be checked continuously 9 times. Set the DRPS program to "9" and check that the playback mode at indication "0".							

Note:

1. Adjust within 30 sec. after heat-running for more than 20 minutes.
2. When the maximum values of both channels are different, tune to the maximum value of the L channel. In this case, the difference between the maximum values of both channels should be within 2 dB.
3. With the condition shown in step 3, adjust RT404L,R so that the level indicator lamp (▯▯ mark) lights up.
4. Record a 1.25kHz and 12.5kHz signals at a level of 0 dB −20 dB on Hitachi ER/UD tape. Then, playback this tape and adjust RT401L,R so that the output difference is within ±2 dB.
5. Record a signal of 400 Hz, 0 dB on a Hitachi ER/UD tape. Playback the tape and adjust RT403L,R for a playback output of 0 dB ± 1 dB.
6. Supply a 5 kHz signal to the Record/Playback socket (input) to obtain the level of −30.4 dBm ± 0.1 dB at test points TP401L,R.
   Confirm that the level is boosted by 8 dBm ± 0.2 dB when the Dolby NR switch is set to ON.

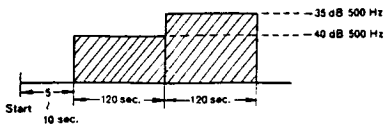


Fig. 4 TMT-6261

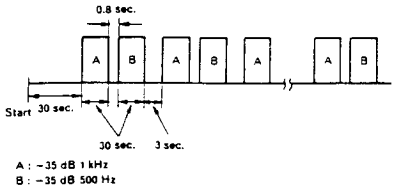


Fig. 5 TMT-6262

INSPECTION OF MECHANISM

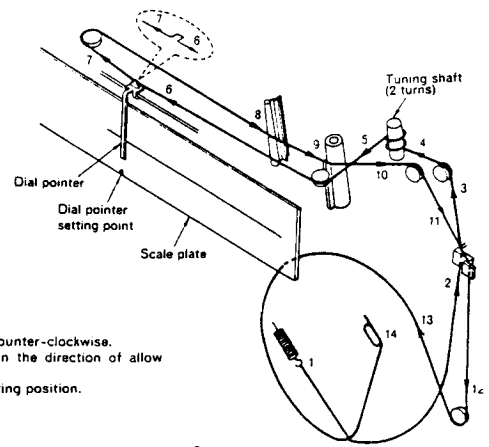
	Check Item		Reference Value	Remarks
1	Pressure of pressure roller		330±50 gr	Measure in playback mode
2	Torque	Take-up	30 to 55 gr-cm	
		FF	80 to 110 gr-cm	Measure in FF mode
		Rewind	80 to 110 gr-cm	Measure in REW mode
3	Back-tension	Take-up side	1 to 4 gr-cm	With counter
		Supply side	1.5 to 4 gr-cm	Without counter
4	Pressure of take-up roller		100±30 gr	Measure in playback mode
5	Brake force		More than 10 gr-cm	—
6	Pressing force of buttons	Pause button	Less than 1.2 kg	Measure in tip of buttons
		Eject button	Less than 1.2 kg	

LUBRICATIONS

Lubricate one or two drops of oil to rotating point or lubricate grease to sliding point.
Lubricate the respective parts listed once every 1000 hours or once a year under normal conditions of use.
Avoid oiling them excessively, or rotation may become irregular because of oil splashes.

Lubrication		Oil or Grease
Rotary section	Metal and metal	Pan motor oil (10W - 40)
	Mold and metal	Sonic slider oil (#1600)
Sliding section	Metal and metal	Hitasol (MO-138)
	Mold and mold Mold and metal	White grease (FL-LUBE-A)
Spring resonance prevention Froil (GB-TS-1)		

DIAL CORD STRINGING



STRINGING METHOD
1. Turn the pulley fully counter-clockwise.
2. String the dial cord in the direction of allow (No. 1~14).
3. Set the pointer to setting position.

REPLACEMENT PARTS LIST

SYMBOL-NO	P-NO	DESCRIPTION
		CAPACITORS
CT101-102	5052391	PLASTIC FILM VARIABLE
CT151	5058191	TRIMMER 10PF
CT153	5058191	TRIMMER 10PF
CT154	5058191	TRIMMER 10PF
CT156	5058102	VARIABLE
CV101-102	5052391	PLASTIC FILM VARIABLE
CV151-152	5052391	PLASTIC FILM VARIABLE
C101	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000P F+-10
C102	0208133	CERAMIC DISC (RESISTOR SHAPE) 22PF+-5%
C103	0208125	CERAMIC DISC (RESISTOR SHAPE) 4.7PF +-5%
C104	0208124	CERAMIC DISC (RESISTOR SHAPE) 3.3PF +-5%
C105	0209004	CERAMIC DISC (RESISTOR SHAPE) 330PF +-10%
C106	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C107	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C108	0248174	CERAMIC DISC 15PF+-5%
C109	0208157	CERAMIC DISC (RESISTOR SHAPE) 0.8PF +-10% (NP-0)
C110	0208161	CERAMIC DISC (RESISTOR SHAPE) 15PF +-10% (NP-0)
C111	0208161	CERAMIC DISC (RESISTOR SHAPE) 15PF +-10% (NP-0)
C112	0208161	CERAMIC DISC (RESISTOR SHAPE) 15PF +-10% (NP-0)
C113	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C114	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000P F+-10
C115	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000P F+-10
C116	0208141	CERAMIC DISC (RESISTOR SHAPE) 100PF +-5%
C117	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C118	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000P F+-10
C152	0208127	CERAMIC DISC (RESISTOR SHAPE) 6.8PF +-5%
C153	0208134	CERAMIC DISC (RESISTOR SHAPE) 27PF +-5%
C154	0208129	CERAMIC DISC (RESISTOR SHAPE) 10PF +-5%
C155	0208131	CERAMIC DISC (RESISTOR SHAPE) 15PF +-5%
C156	0208141	CERAMIC DISC (RESISTOR SHAPE) 100PF +-5%
C160	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000P F+-10
C161	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C162	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C163	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C164	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C167	0208125	CERAMIC DISC (RESISTOR SHAPE) 4.7PF +-5%
C168	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C201	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C202	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C203	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C204	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C205	0208141	CERAMIC DISC (RESISTOR SHAPE) 100PF +-5%
C206	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C207	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C208	0208138	CERAMIC DISC (RESISTOR SHAPE) 680PF +-10%
C209	0209011	CERAMIC DISC (RESISTOR SHAPE) 150PF +-10%
C210	0208133	CERAMIC DISC (RESISTOR SHAPE) 22PF+-5%
C212	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C214	0208138	CERAMIC DISC (RESISTOR SHAPE) 680PF +-10%
C216	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C218	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C219	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C221	0209011	CERAMIC DISC (RESISTOR SHAPE) 150PF +-10%
C222	0209004	CERAMIC DISC (RESISTOR SHAPE) 330PF +-10%
C225	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-3
C226	0209005	CERAMIC DISC (RESISTOR SHAPE) 390PF +-10%
C227	0209005	CERAMIC DISC (RESISTOR SHAPE) 390PF +-10%
C308LR	0209025	CERAMIC DISC (RESISTOR SHAPE) 6800P F+-30
C412LR	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000P F+-10
C413LR	0209021	CERAMIC DISC (RESISTORSHAPE) 1500PF +-10%
C415LR	0209001	CERAMIC DISC (RESISTOR SHAPE) 180PF +-10%
C419R	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01M F+-30
C436LR	0209003	CERAMIC DISC (RESISTOR SHAPE) 270PF +-10%
C438LR	0209022	CERAMIC DISC (RESISTOR SHAPE) 0.002 2MF+-
C442LR	0209003	CERAMIC DISC (RESISTOR SHAPE) 270PF +-10%
C444LR	0209022	CERAMIC DISC (RESISTOR SHAPE) 0.002 2MF+-
C447LR	0209025	CERAMIC DISC (RESISTOR SHAPE) 6800P F+-30
C451LR	0209002	CERAMIC DISC (RESISTOR SHAPE) 220PF +-10%
C469	0256367	TANTALUM ELECTROLYTIC 1.5MF 25V

SCHEMATIC DIAGRAM (Tuner Section)

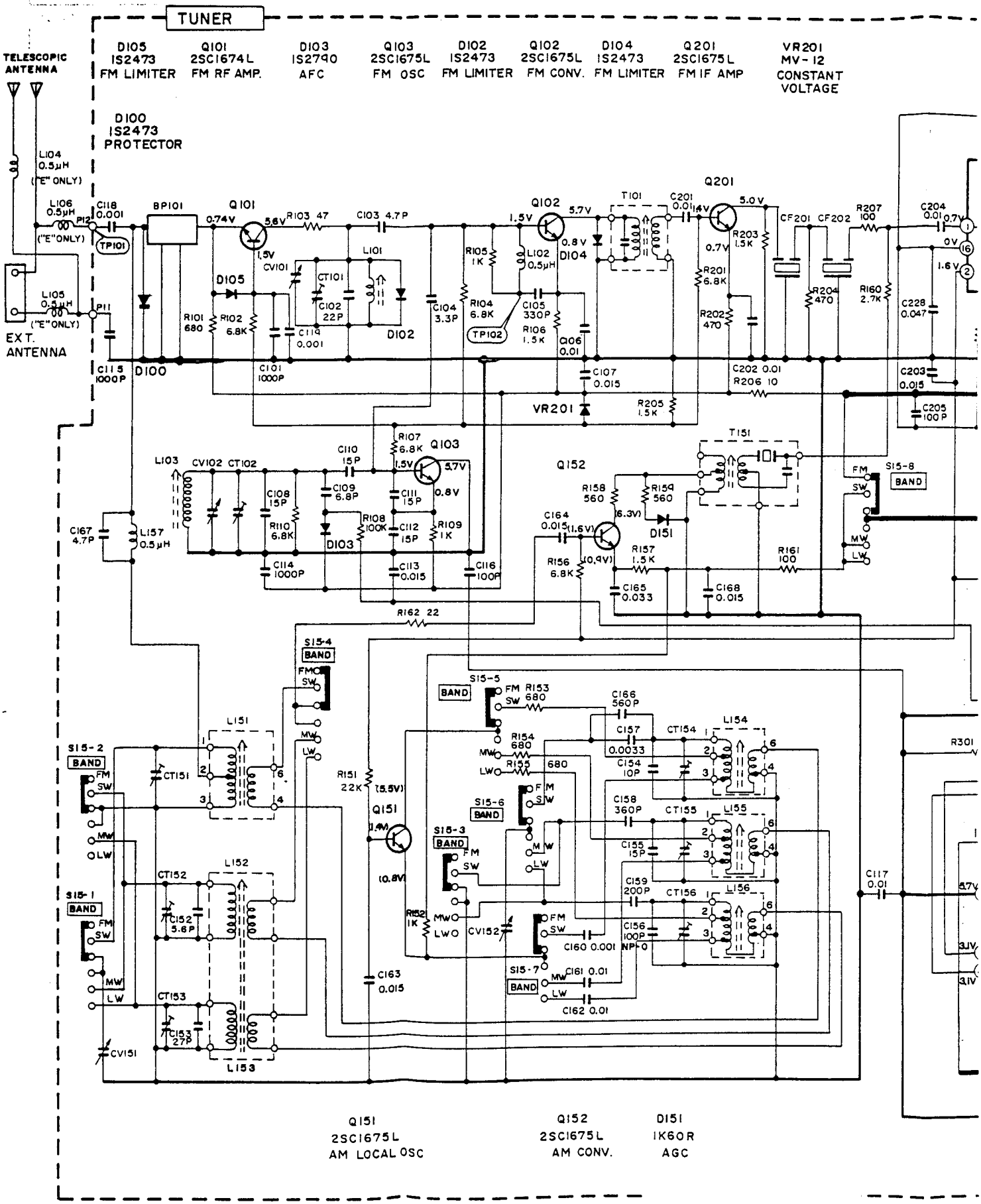
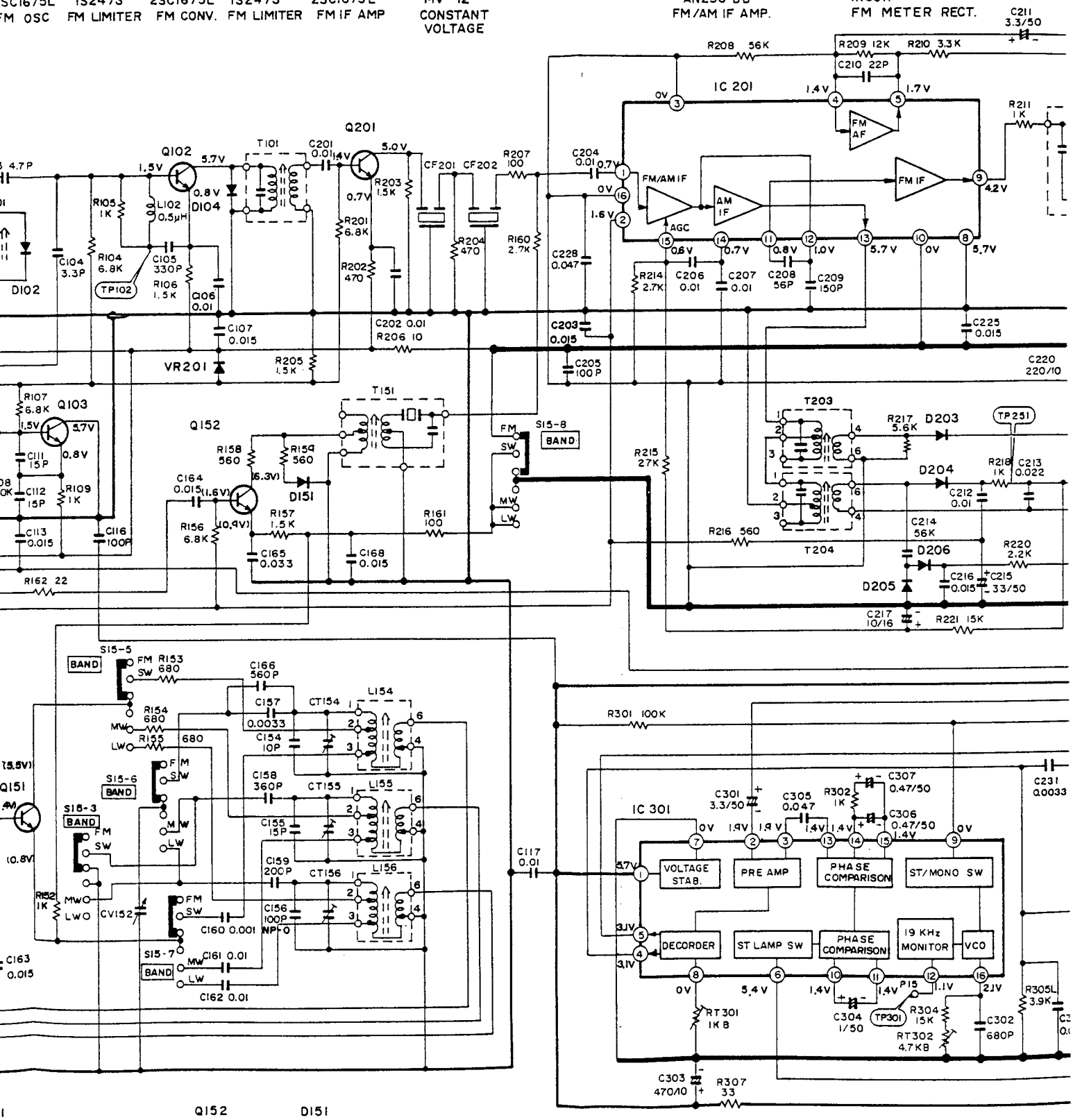
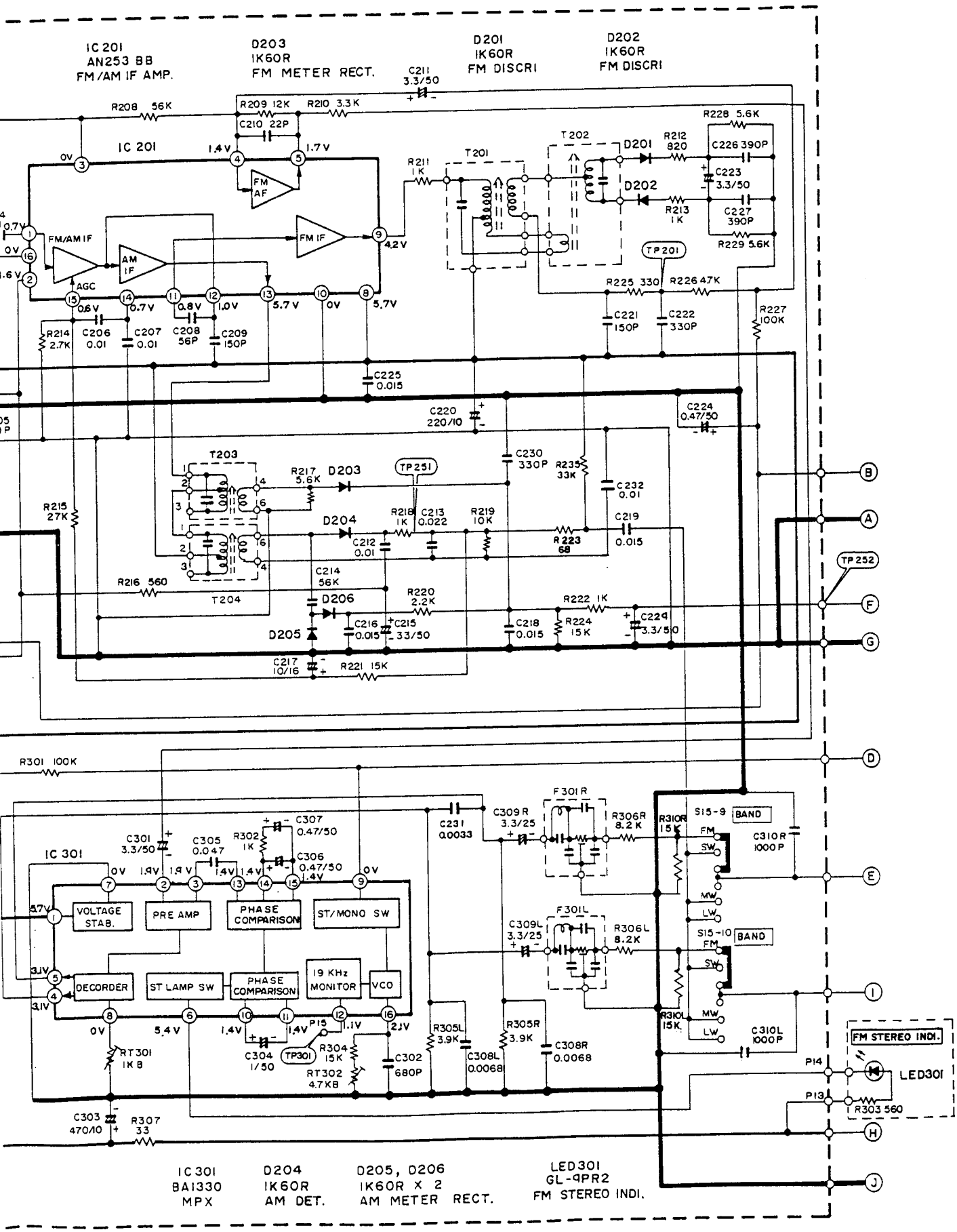


DIAGRAM (Tuner Section)




IC 201
AN253 BB
FM/AM IF AMP.
D203
1K60R
FM METER RECT.
D201
1K60R
FM DISCRI
D202
1K60R
FM DISCRI
IC 201
FM/AM IF
AM IF
FM IF
FM AF
AGC
T201
T202
T203
T204
D201
D202
D203
D204
D205
D206
TP201
TP251
TP252
R208 56K
R209 12K
R210 3.3K
R211 1K
R212 820
R213 1K
R214 2.7K
R215 27K
R216 560
R217 5.6K
R218 1K
R219 10K
R220 2.2K
R221 15K
R222 1K
R223 68
R224 15K
R225 330
R226 47K
R227 100K
R228 5.6K
R229 5.6K
R235 33K
C206 0.01
C207 0.01
C208 56P
C209 150P
C210 22P
C211 3.3/50
C212 0.01
C213 0.022
C214 56K
C215 33/50
C216 0.015
C217 10/16
C218 0.015
C219 0.015
C220 220/10
C221 150P
C222 330P
C223 3.3/50
C224 0.47/50
C225 0.015
C226 390P
C227 390P
C229 3.3/50
C230 330P
C232 0.01
0V
1.4V
1.7V
0.7V
0.6V
0.8V
1.0V
5.7V
4.2V
R301 100K
IC 301
VOLTAGE STAB.
PRE AMP
PHASE COMPARISON
ST/MONO SW
DECORDER
ST LAMP SW
PHASE COMPARISON
19 KHz MONITOR
VCO
C301 3.3/50
C302 680P
C303 470/10
C304 1/50
C305 0.047
C306 0.47/50
C307 0.47/50
C308L 0.0068
C308R 0.0068
C309L 3.3/25
C309R 3.3/25
C310L 1000P
C310R 1000P
C231 0.0033
R302 1K
R303 560
R304 15K
R305L 3.9K
R305R 3.9K
R306L 8.2K
R306R 8.2K
R307 33
R310L 15K
R310R 15K
RT301 1K8
RT302 4.7K8
F301L
F301R
S15-9 BAND
S15-10 BAND
FM
SW
MW
LW
P13
P14
P15
TP301
FM STEREO INDI.
LED301
R303 560
A
B
D
E
F
G
H
I
J
IC 301
BA1330
MPX
D204
1K60R
AM DET.
D205, D206
1K60R X 2
AM METER RECT.
LED301
GL-4PR2
FM STEREO INDI.

CIRCUIT BOARD DIAGRAM

Note

1. Voltage measured at base of chassis with minimum volume control and no signal.
2. Nomenclature of Resistors and Capacitors.

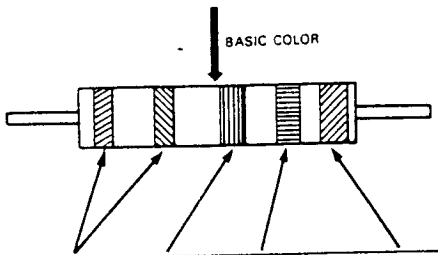
	Circuit No.	
R101 150 RS 1 K	Value	No indicated Ω(Ohm) M : 1000kΩ
	Tolerance	No indicated ±5% K : ±10% M : ±20%
	Wattage	No indicated ¼W
	Sort	No indicated Carbon film RC : Composition RW : Wire wound RS : Oxide metal film RN : Fixed metal film

	Circuit No.		
C101 0.001 M	Value	No indicated μF P : PF	
	Tolerance	No indicated ±10% J : ± 5% M : ±20% Z : +80%, -20% D : ±0.5pF C : ±0.25pF	
	Sort		Ceramic
			Electrolitic
			Mylar
			Polyester
			Styrol
C102 0.1/16	Voltage	No indicated 50WV	

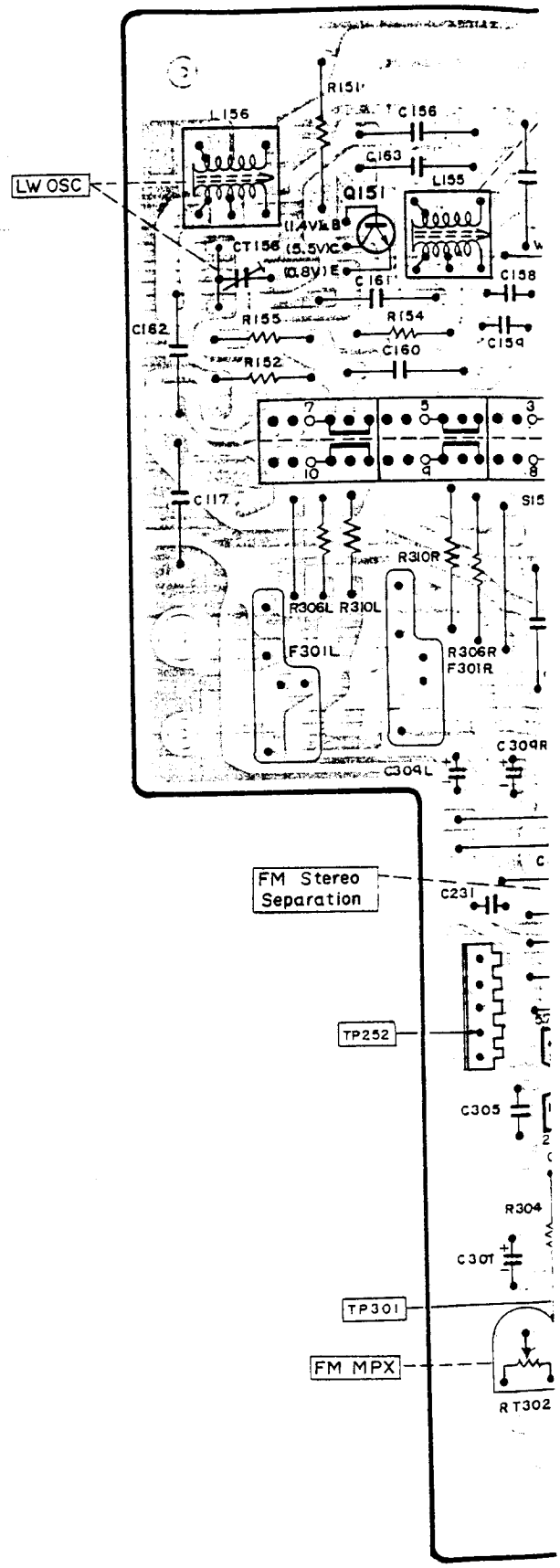
3. Be sure to make your orders of resistors and capacitors with value, voltage, tolerance and sort.
4. When replacing capacitors marked with ÷, use specified ones stated on parts list since required temperature characteristics.

HOW TO READ CAPACITY OF RESISTOR SHAPE CAPACITORS

COLOR	RATED VOLTAGE
Pink	25V
Light green	50V



COLOR	CAPACITY	MULTIPLE	TOLERANCE	CHARACTERISTICS
Black	0	10^0	±20%	For temperature compensation
Brown	1	10^1		
Red	2	10^2		
Orange	3	10^3		
Yellow	4	10^4		
Green	5	10^5		
Blue	6			
Violet	7			
Grey	8		±30%	High dielectric constant type
White	9			For temperature compensation
Gold		10^{-1}	±5%	
Silver			±10%	High dielectric constant type



CIRCUIT BOARD DIAGRAM

hassis with minimum

Capacitors.

t No.
indicated Ω(Ohm) M : 1000kΩ
indicated ±5% K : ±10% M : ±20%
indicated ¼W
indicated Carbon film RC : Composition RW : Wire wound RS : Oxide metal film RN : Fixed metal film

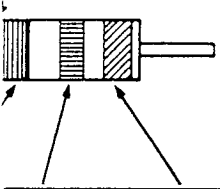
t No.	
indicated μF P : PF	
indicated ±10% J : ± 5% M : ±20% Z : +80% - 20% D : ±0.5pF C : ±0.25pF	
:	Ceramic
:	Electrolitic
:	Mylar
:	Polyester
:	Styrol
indicated 50WV	

s of resistors and
olerance and sort.
arked with ✳, use
list since required

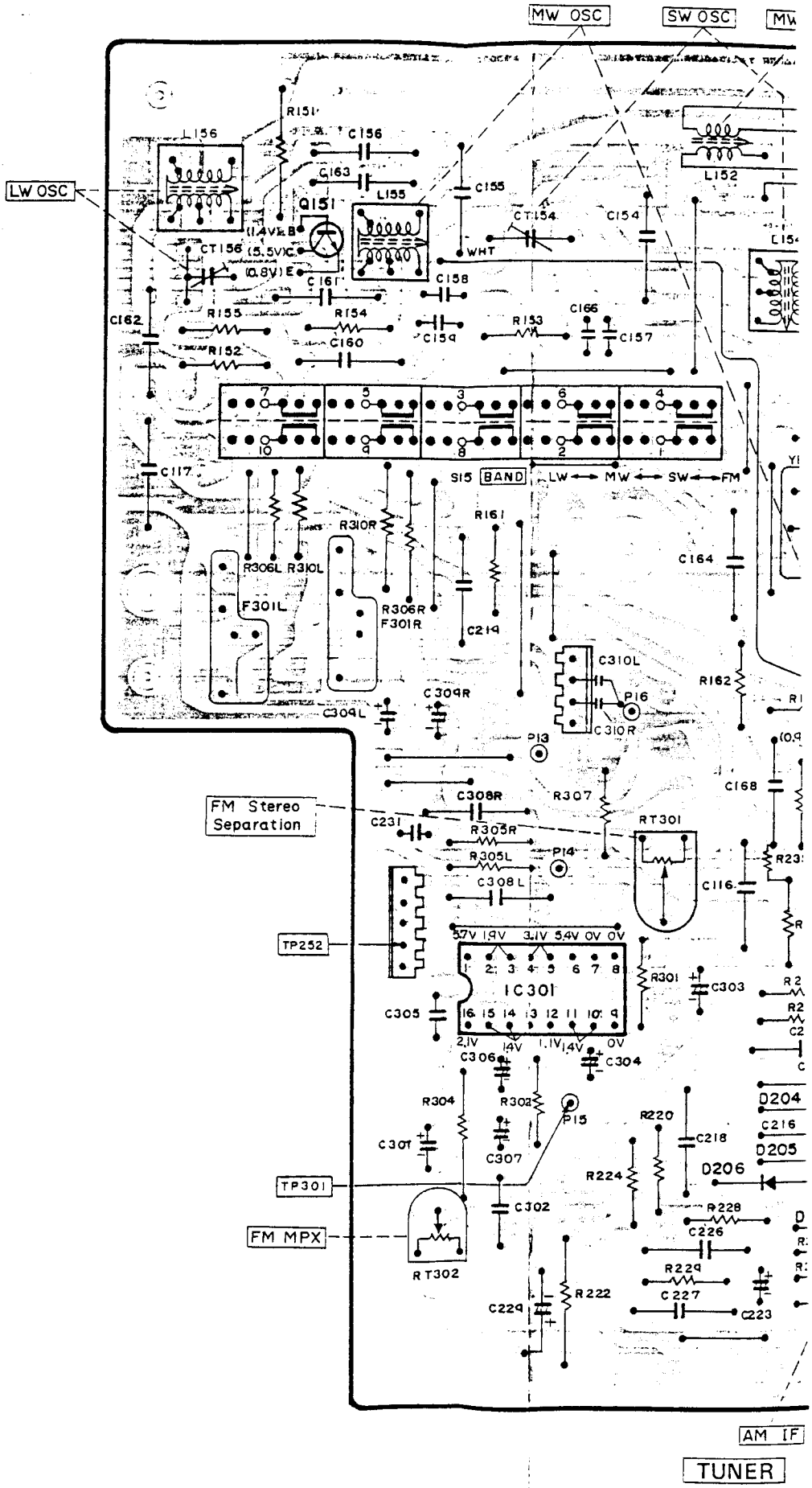
ITY OF RESISTOR SHAPE

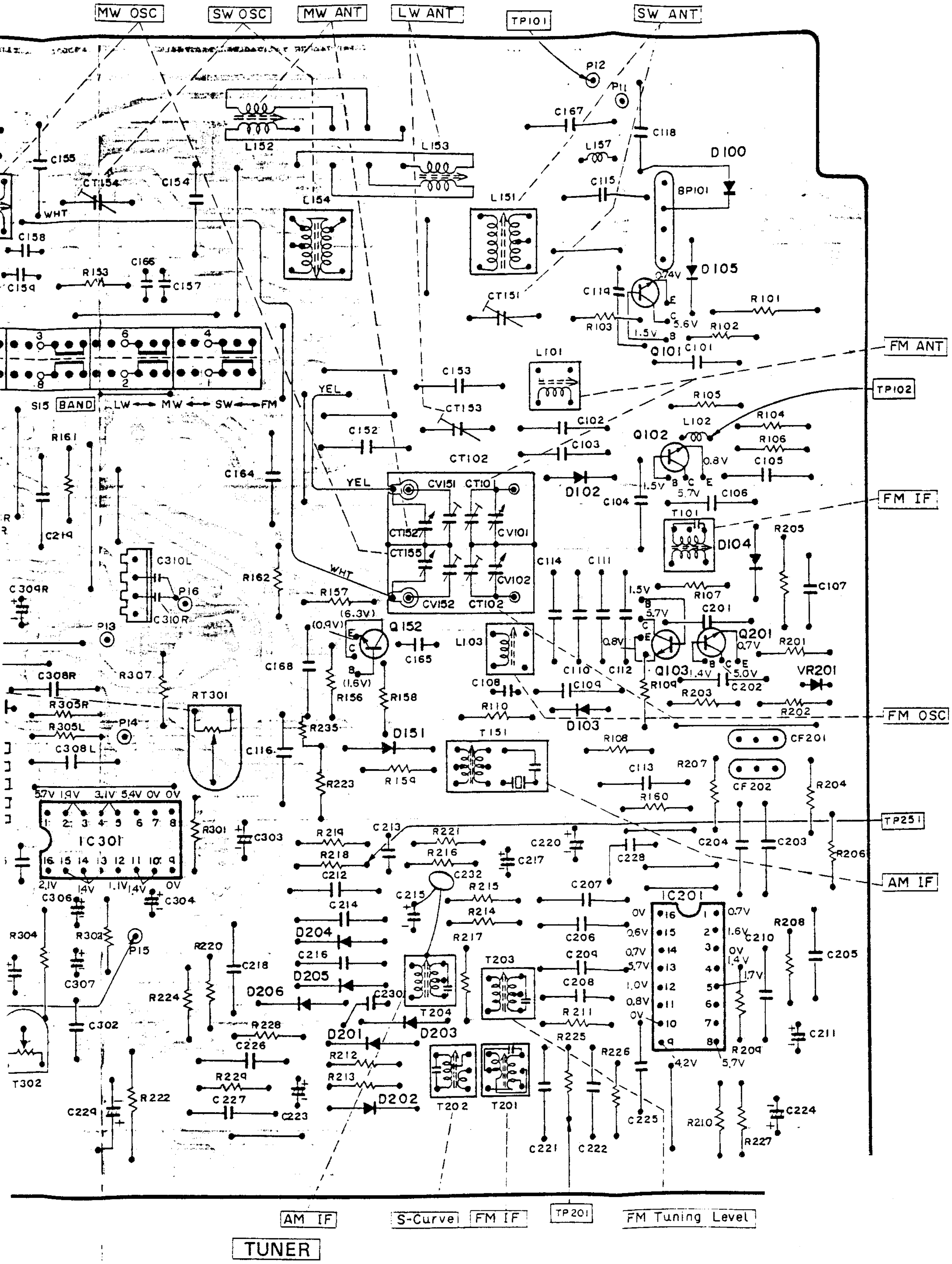
ED VOLTAGE
25V
50V

BASIC COLOR



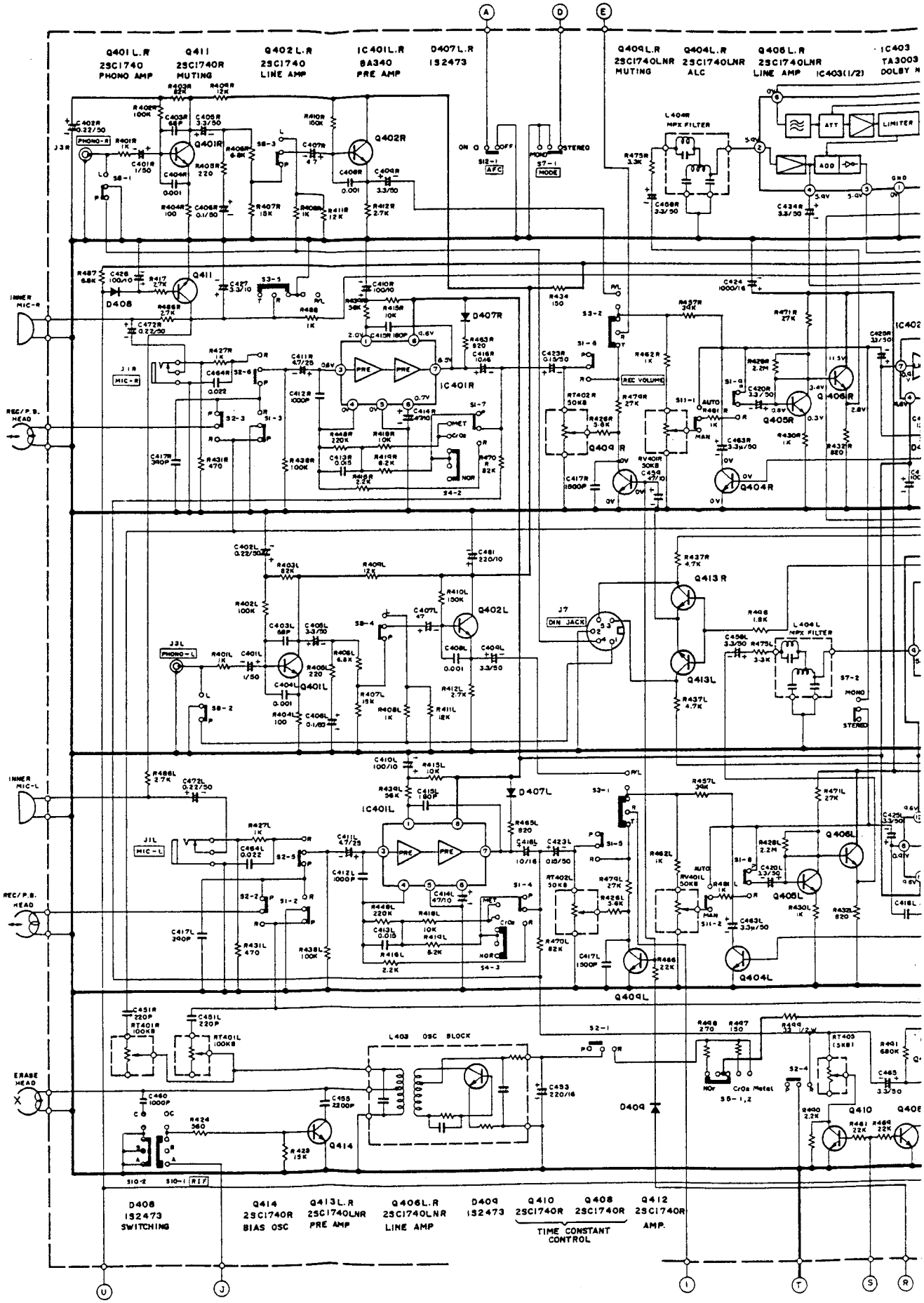
OLERANCE	CHARACTERISTICS
±20%	For temperature compensation
±30%	High dielectric constant type
	For temperature compensation
±5%	
±10%	High dielectric constant type



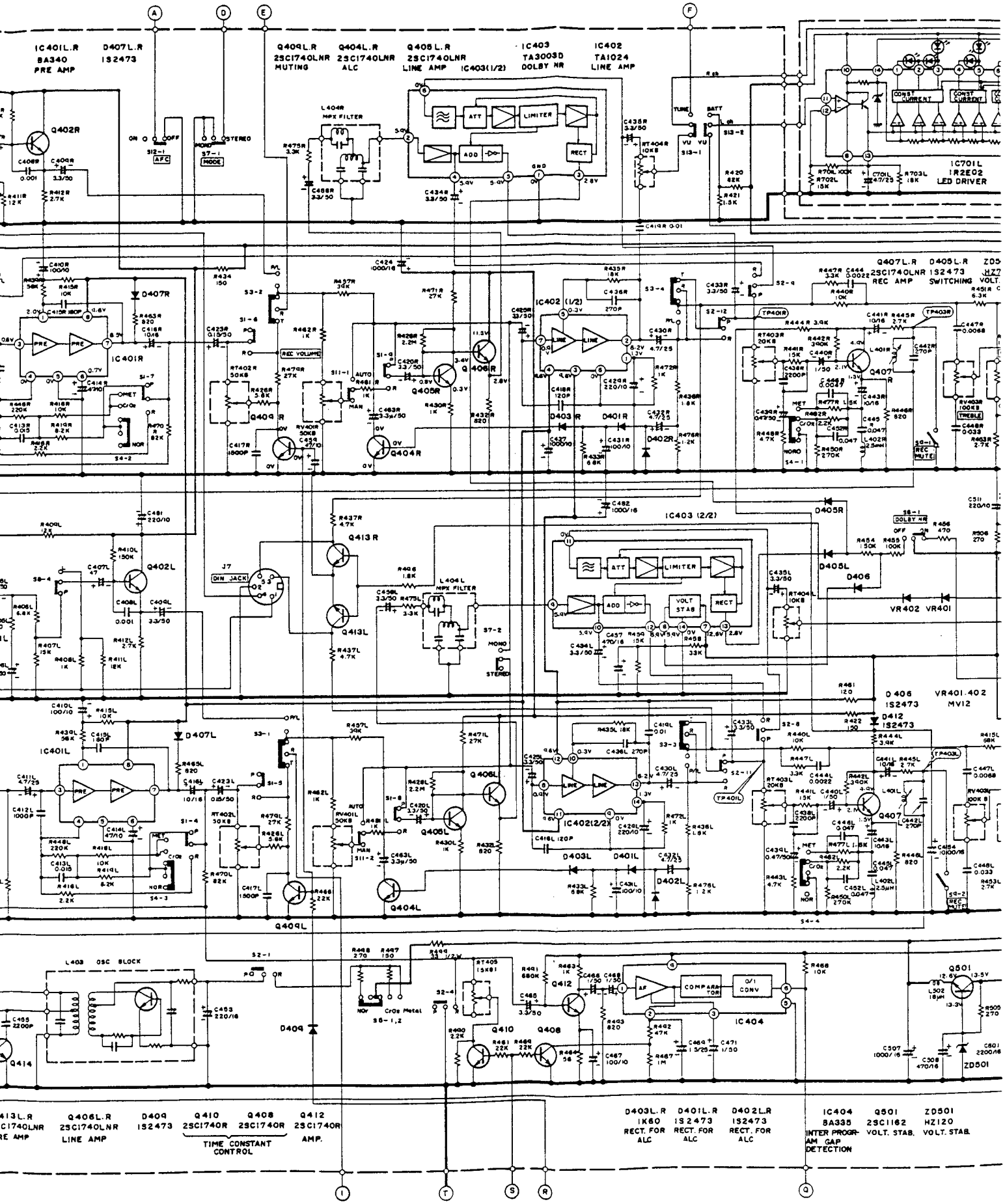

MW OSC
SW OSC
MW ANT
LW ANT
TP101
SW ANT
FM ANT
TP102
FM IF
FM OSC
TP251
AM IF
AM IF
S-Curve
FM IF
TP201
FM Tuning Level
S15 BAND LW MW SW FM
IC301
IC201
Q101
Q102
Q103
Q152
Q201
D100
D102
D103
D104
D105
D151
D201
D202
D203
D204
D205
D206
VR201
CF201
CF202
T101
T151
T201
T202
T203
T204
T302
L101
L102
L103
L151
L152
L153
L154
RT301
8P101

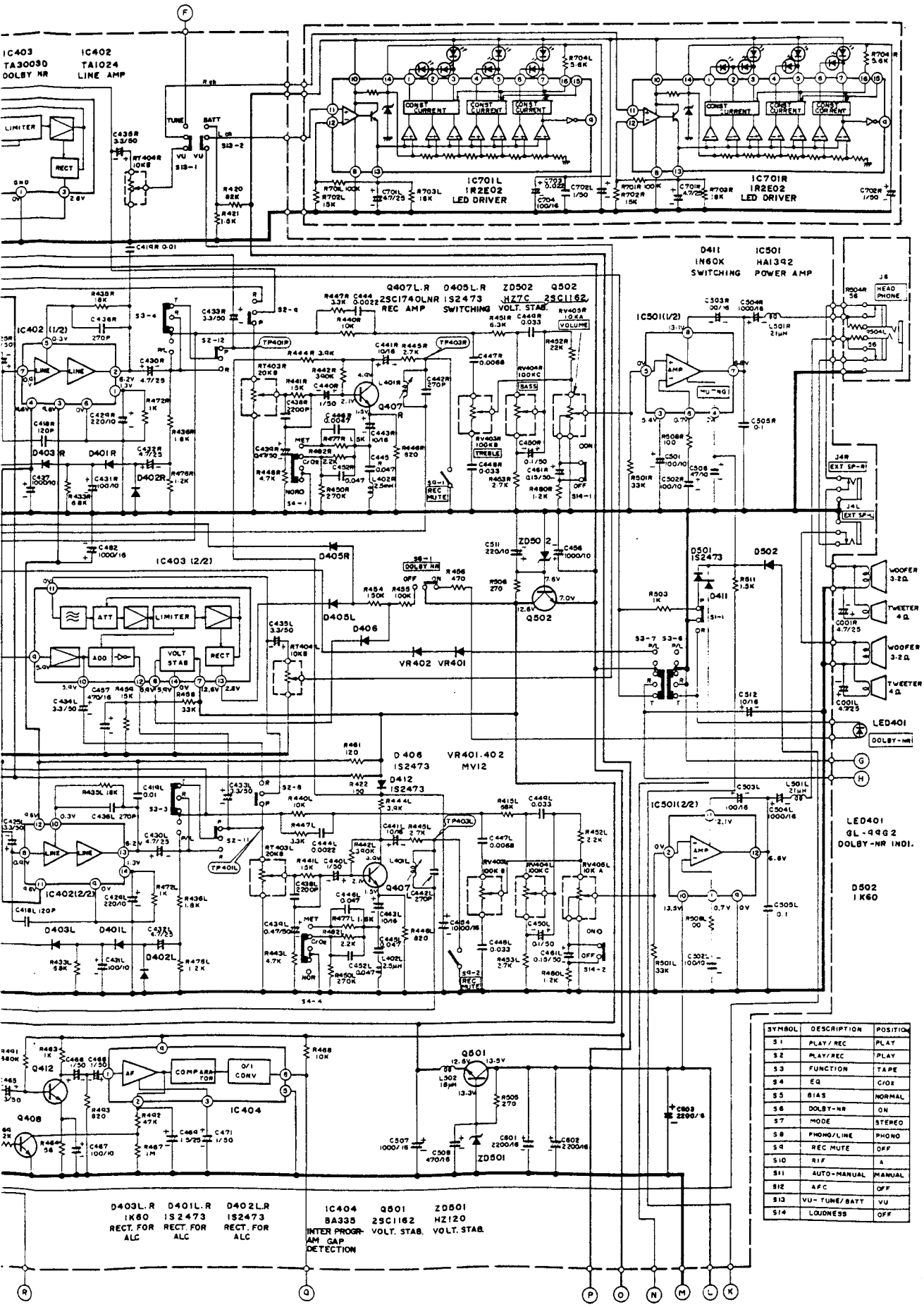
TUNER

SCHEMATIC DIAGRAM (Tape recorder/Audio Section)



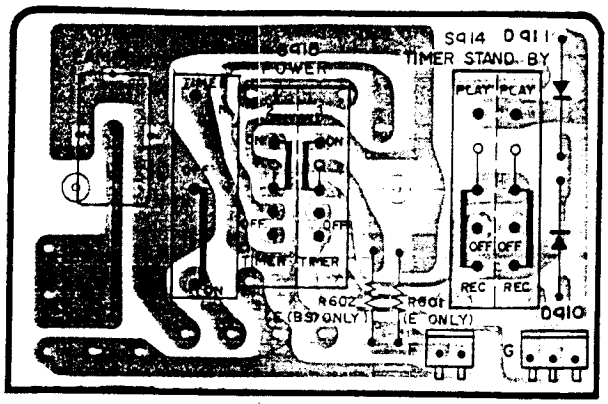
ler/Audio Section)



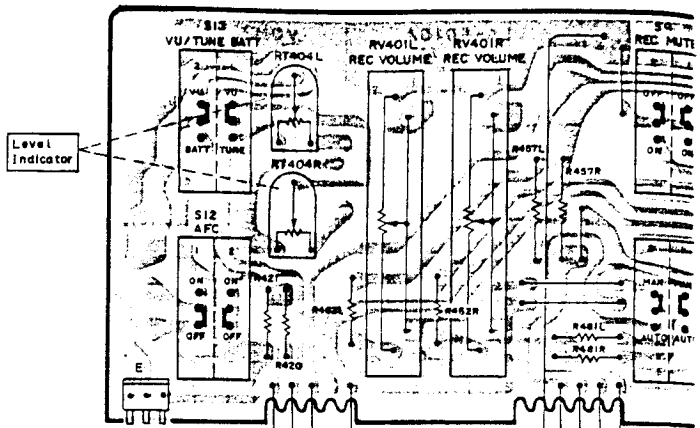


SYMBOL	DESCRIPTION	POSITION
S1	PLAY/REC	PLAY
S2	PLAY/REC	PLAY
S3	FUNCTION	TAPE
S4	EQ	CrO2
S5	BIAS	NORMAL
S6	DOLBY-NR	ON
S7	MODE	STEREO
S8	PHONO/LINE	PHONO
S9	REC MUTE	OFF
S10	RIF	A
S11	AUTO-MANUAL	MANUAL
S12	AFC	OFF
S13	VU-TUNE/BATT	VU
S14	LOUDNESS	OFF

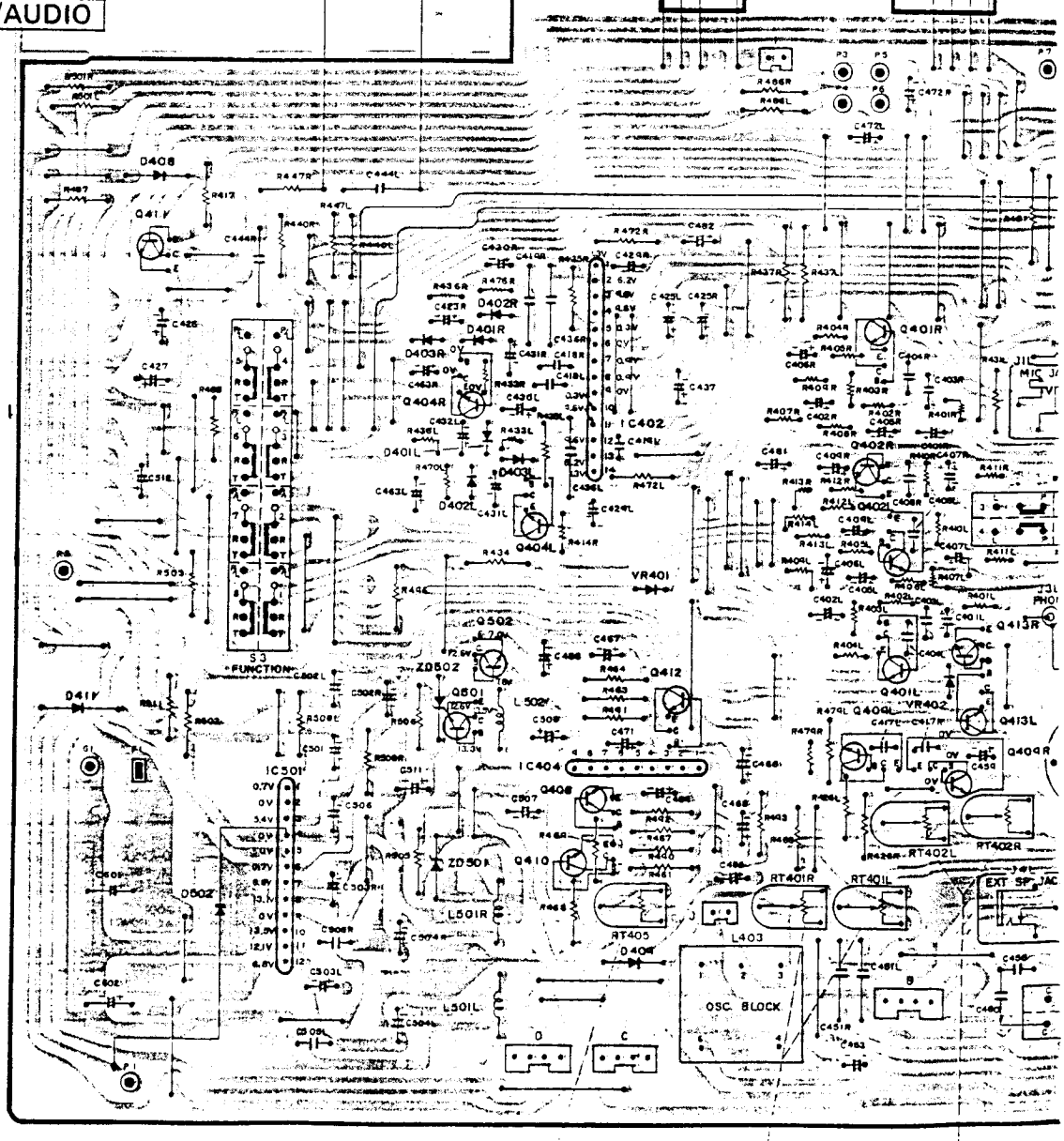
CIRCUIT BOARD DIAGRAM



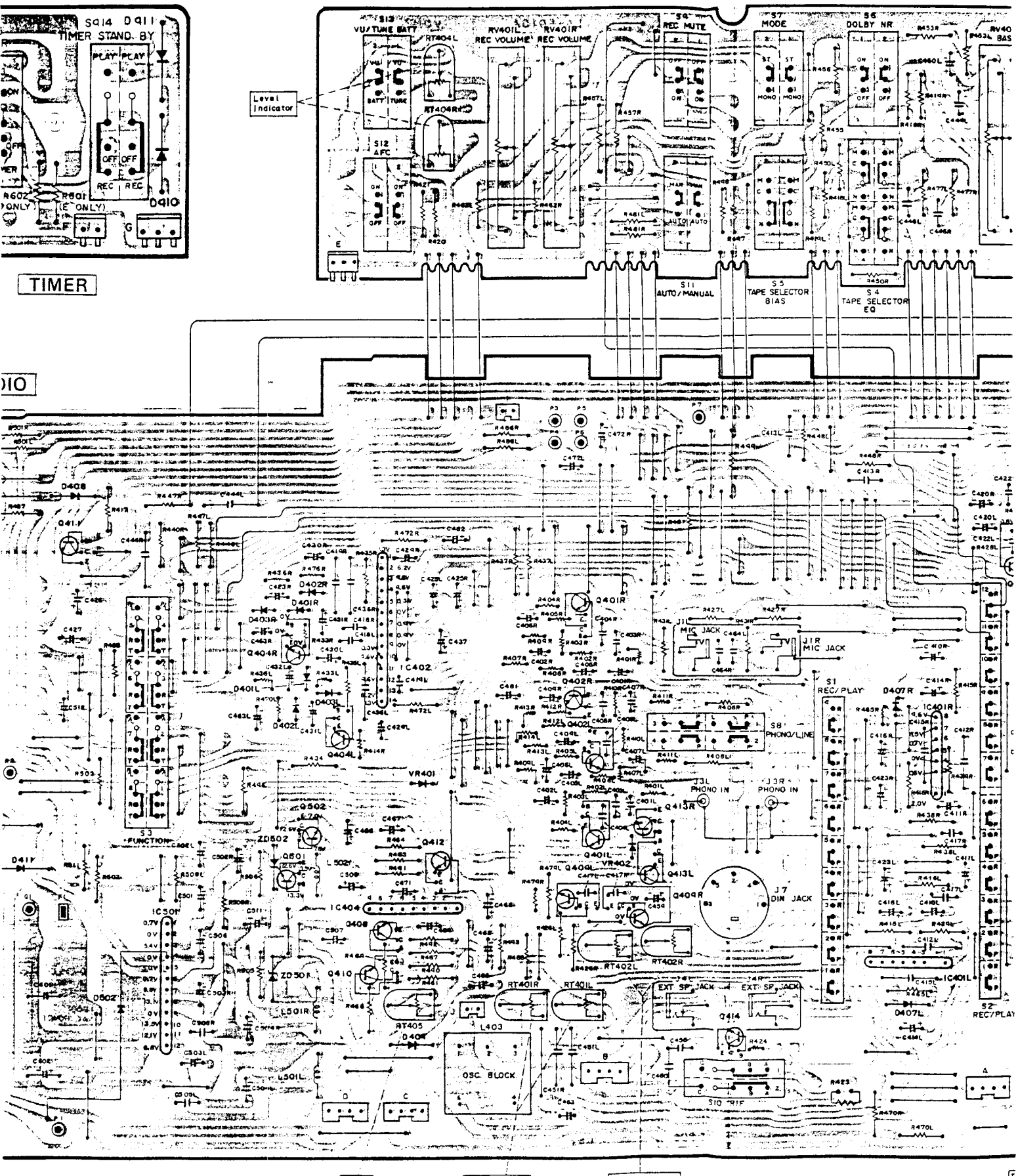
TIMER

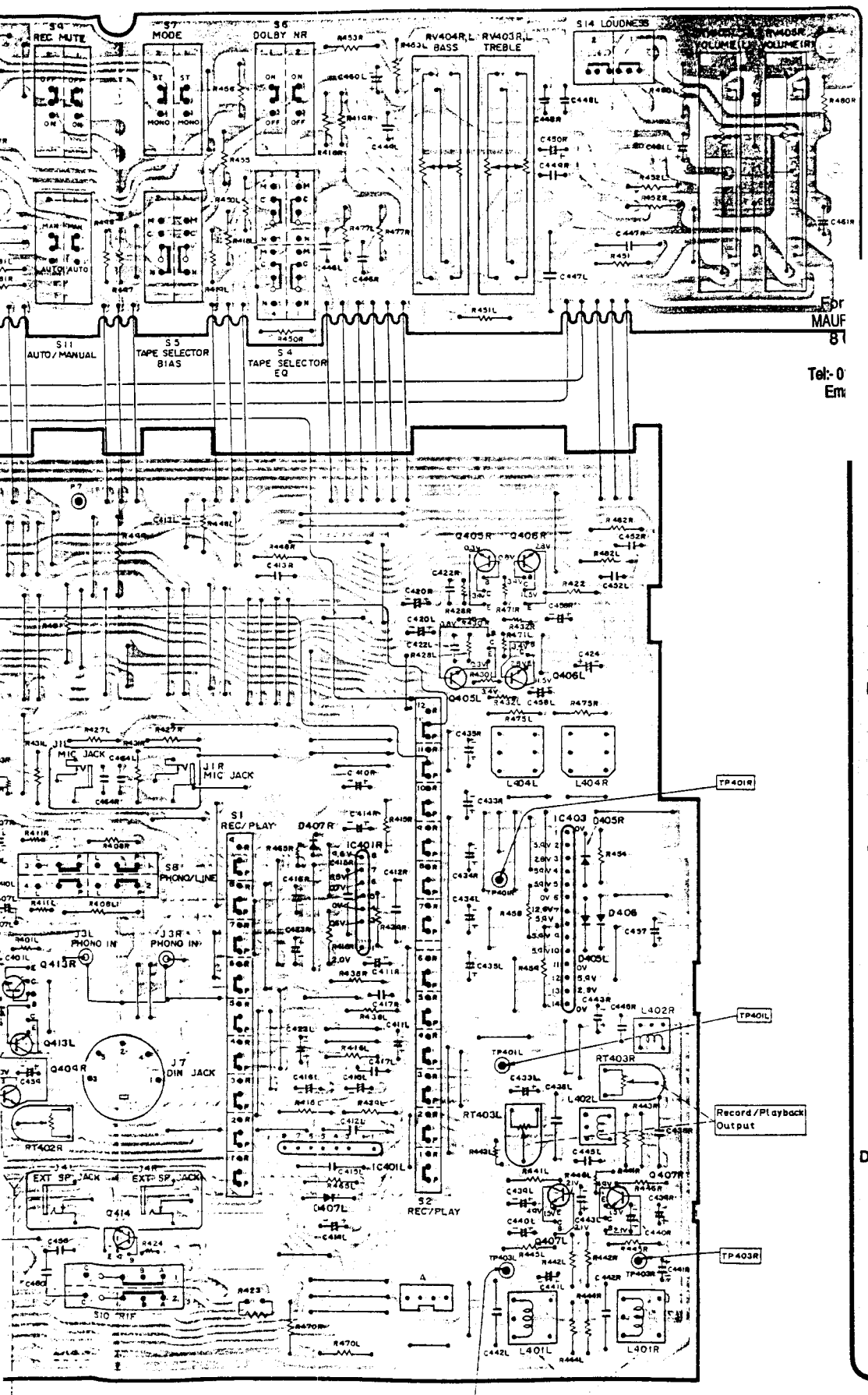


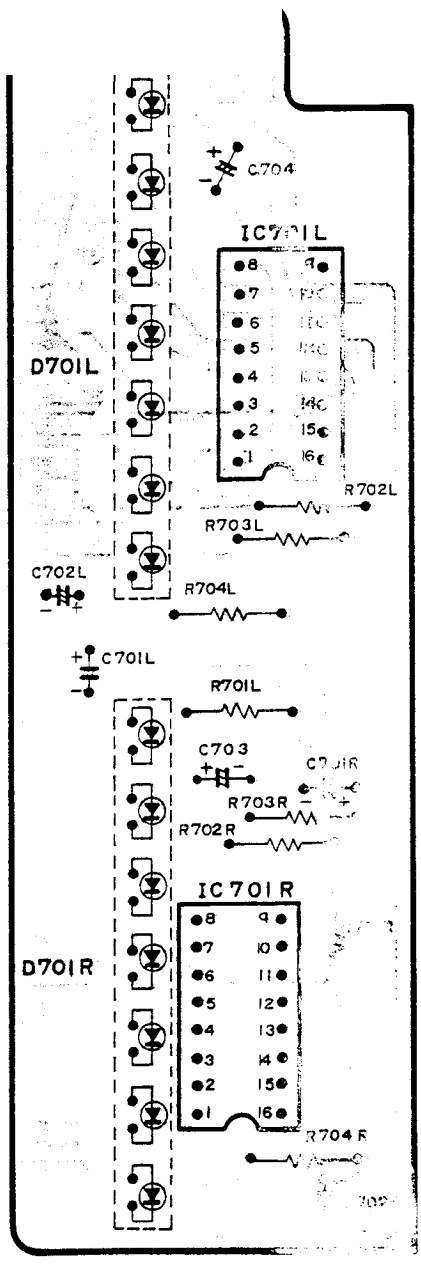
TAPE RECORDER/AUDIO



ARD DIAGRAM


TIMER
Level Indicator
S12 AFC
S13 VU/TUNE BATT
RV401L REC VOLUME
RV401R REC VOLUME
S6 DOLBY NR
S7 MODE
S11 AUTO/MANUAL
S5 TAPE SELECTOR BIAS
S4 TAPE SELECTOR EQ
S1 REC/PLAY
S2 REC/PLAY
S3 FUNCTION
S8 PHONO/LINE
J1L MIC JACK
J1R MIC JACK
J3L PHONO IN
J3R PHONO IN
J7 DIN JACK
EXT SP JACK
EXT SP JACK
OSC BLOCK
DRPS
Bias Current
Playback Gain





LEVEL INDICATOR

SCHEMATIC DIAGRAM (Microprocessor/Drive/Power Section)

IC902 DN6838 TAPE END DETECTION

D901, 902 1K60 RECT.

Q913 2SC1740S SWITCHING

Q902 2SC1740S SWITCHING

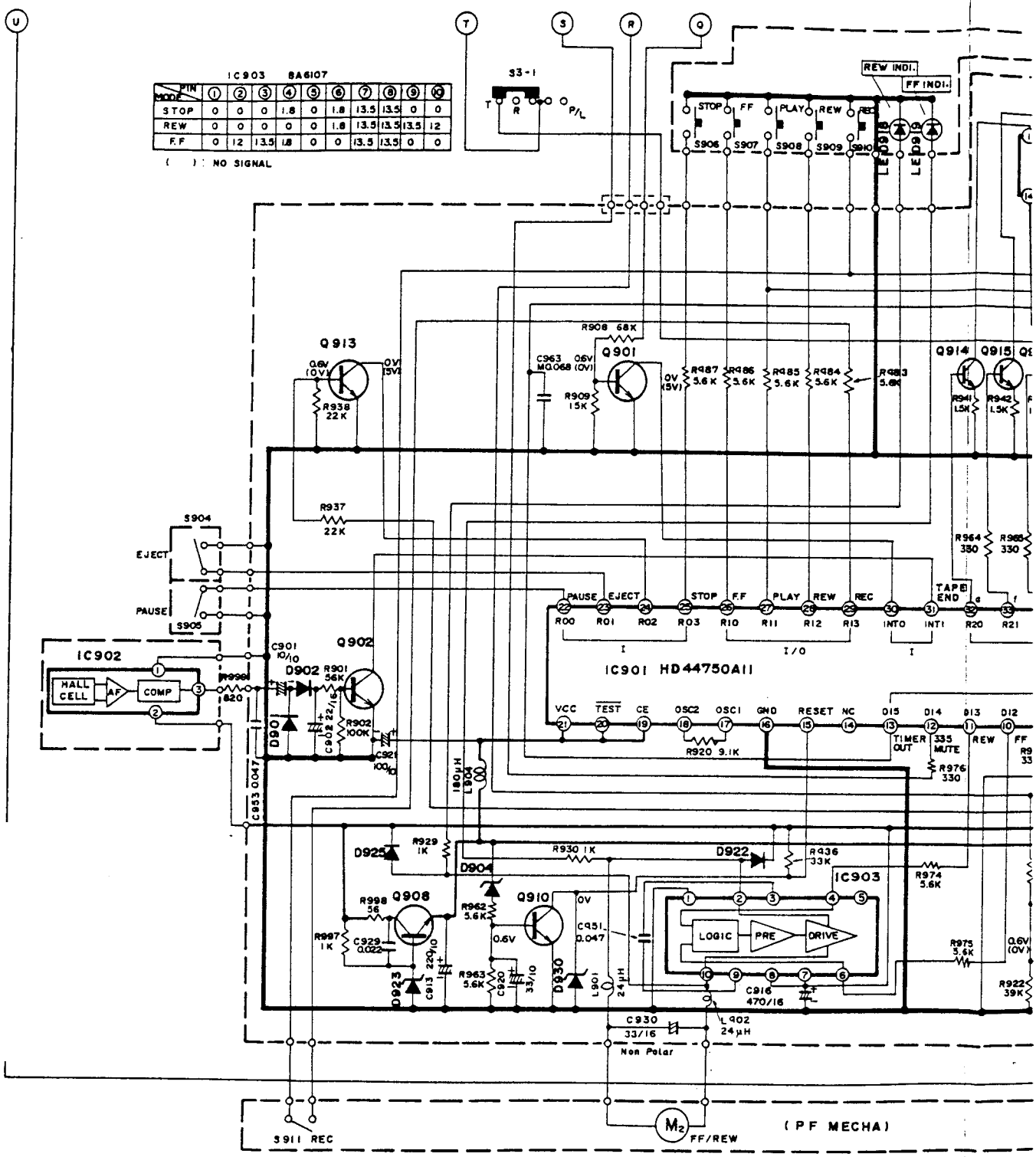
Q901 2SC1740S SWITCHING

Q914 2SC LED

IC903 BA6107

MODE \ PIN	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
STOP	0	0	0	1.8	0	1.8	13.5	13.5	0	0
REW	0	0	0	0	0	1.8	13.5	13.5	13.5	12
F.F	0	12	13.5	1.8	0	0	13.5	13.5	0	0

( ) : NO SIGNAL



D925 IS2473 PROTECTOR

Q908 2SD468 VOLT. STAB.

D923 HZ6A3 VOLT. STAB.

D904 RD2.7 VOLT. STAB.

Q910 2SC1740S SWITCHING

D922 IS2473

Q904, 905 2SD985 SWITCHING

Q907, 91: 2SC116: SWITCHI

IC901 HD44750A11 FUNCTION CONTROL

D930 HZ6B VOLT. STAB.

IC903 BA6107 FF/REW MOTOR DRIVE

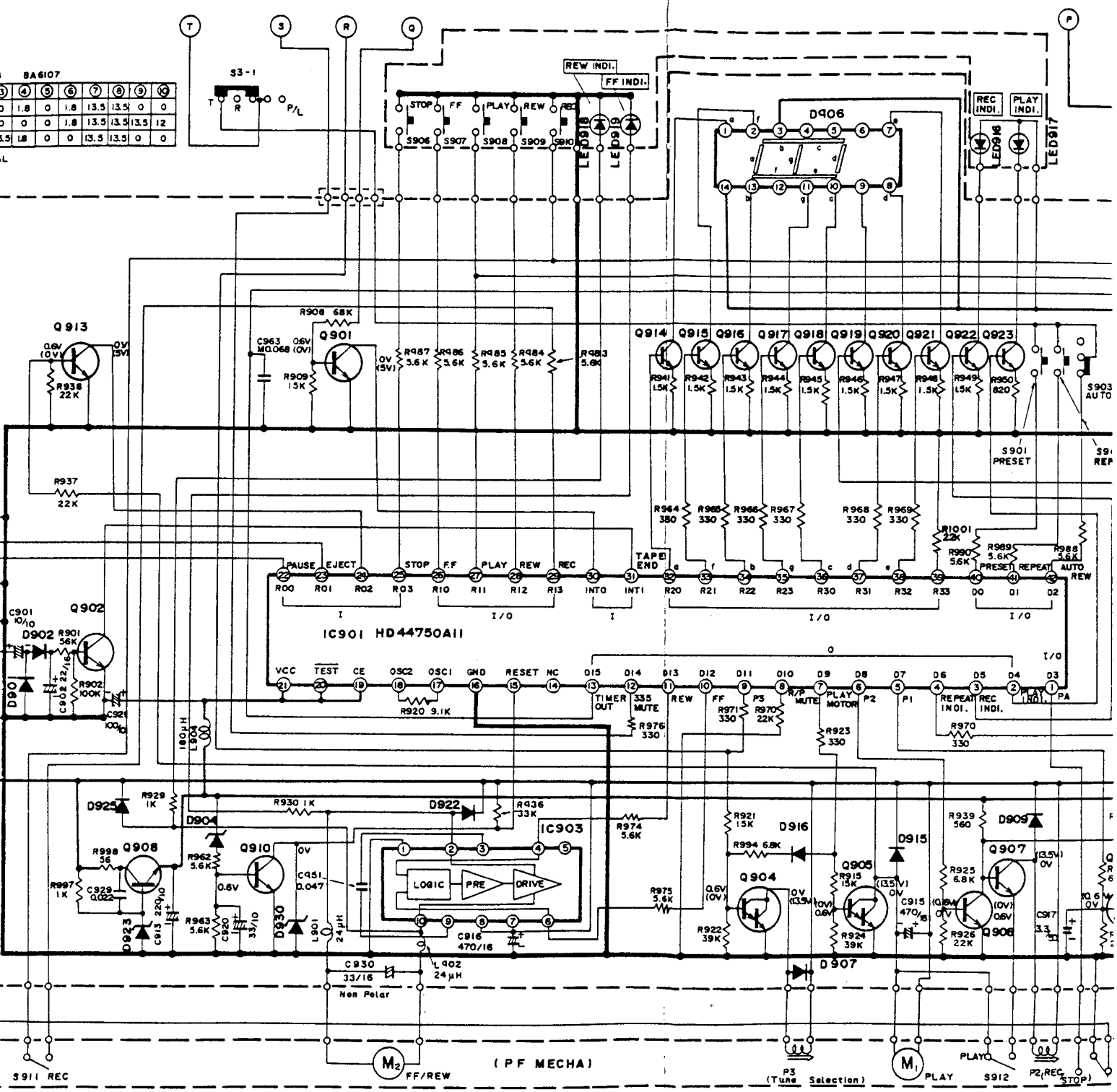
D916 1K60 PROTECTOR

D909 1SR34 REVERSE PROTECT

(Microprocessor/Drive/Power Section)

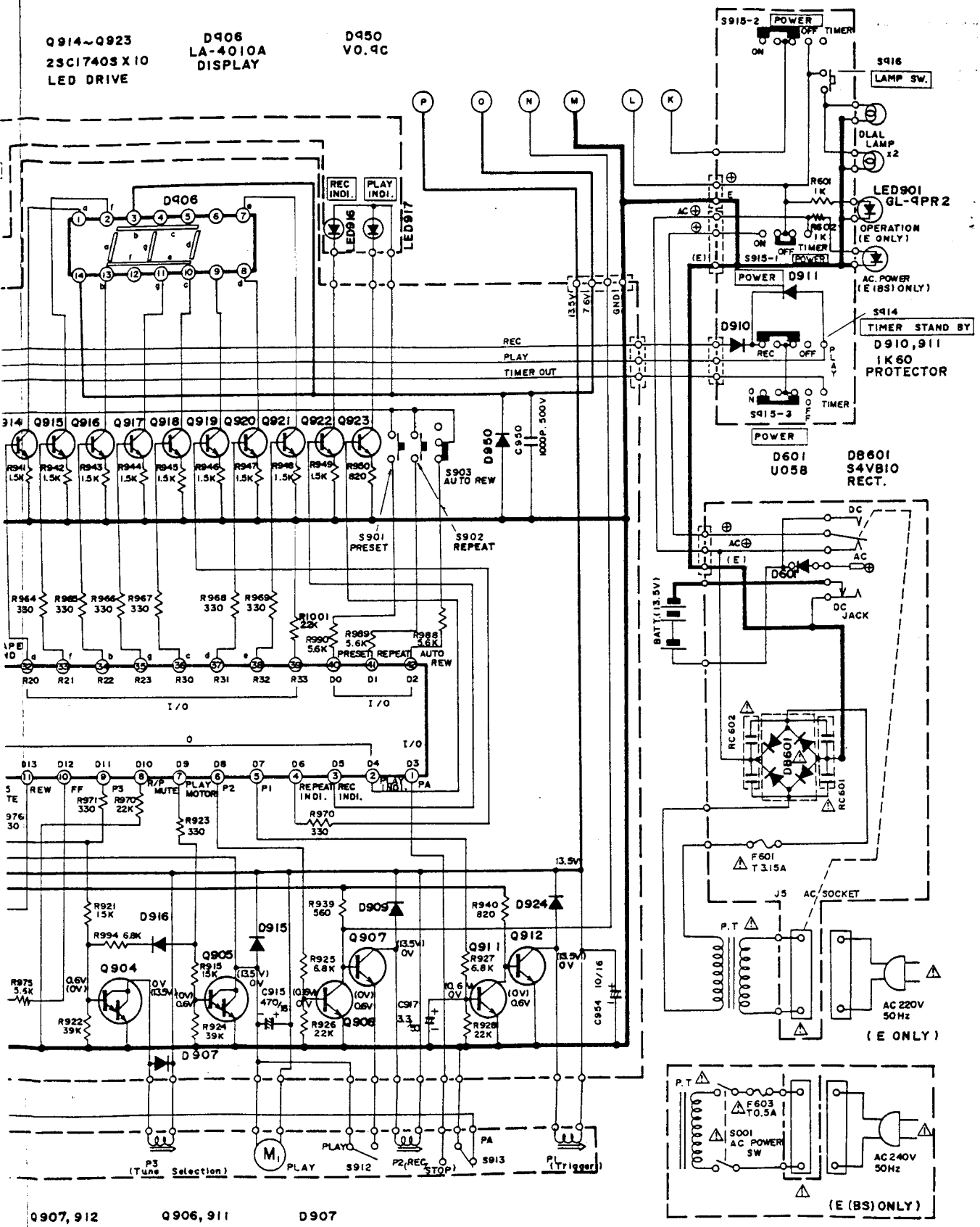
I, 902	Q913	Q902	Q901
K60	2SC1740S	2SC1740S	2SC1740S
ECT.	SWITCHING	SWITCHING	SWITCHING

Q914~Q923	D906	D950
2SC1740S X 10	LA-4010A	V0.9C
LED DRIVE	DISPLAY	



Q908	D923	D904	Q910	D922	Q904, 905	Q907, 912	Q906, 911	D907
2SD468	HZ6A3	RD2.7	2SC1740S	IS2473	2SD965	2SC1162	2SC1740S	IS2473VE
VOLT. STAB.	VOLT. STAB.	VOLT. STAB.	SWITCHING		SWITCHING	SWITCHING	SWITCHING	REVERSE VOLTAGE PROTECTOR

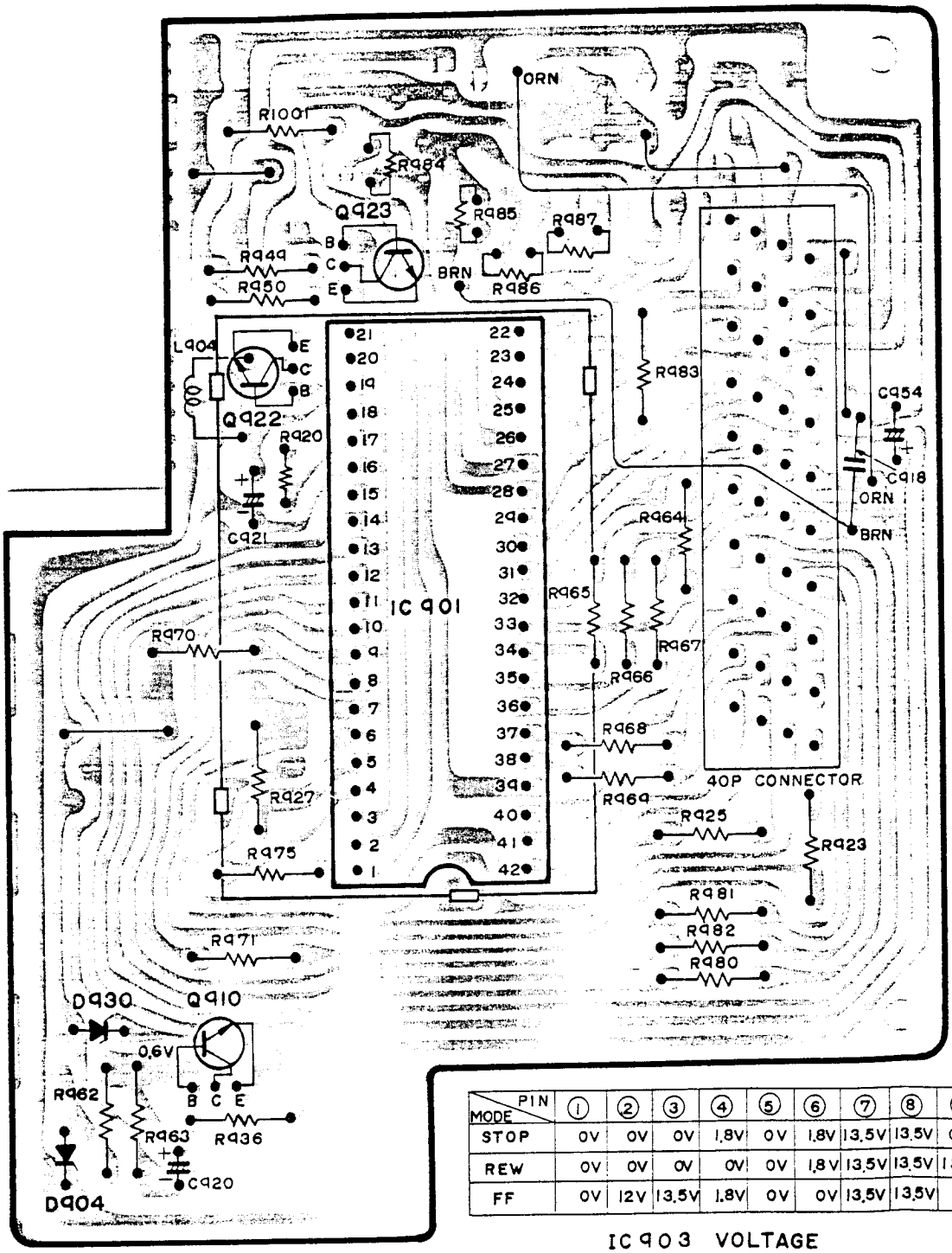
IC901	D930	IC903	D916	D909	D924	D915
HD44750AII	HZ6B	BA6107	1K60	1SR34	1SR34	IS2473
FUNCTION CONTROL	VOLT. STAB.	FF/REW MOTOR DRIVE	PROTECTOR	REVERSE CURRENT PROTECTOR	REVERSE CURRENT PROTECTOR	PROTECTOR



Q907, 912	Q906, 911	D907
2SC1162	2SC1740S	IS2473VE
SWITCHING	SWITCHING	REVERSE VOLTAGE PROTECTOR

D909	D924	D915
ISR34	ISR34	IS2473
REVERSE CURRENT PROTECTOR	REVERSE CURRENT PROTECTOR	PROTECTOR

CIRCUIT BOARD DIAGRAM

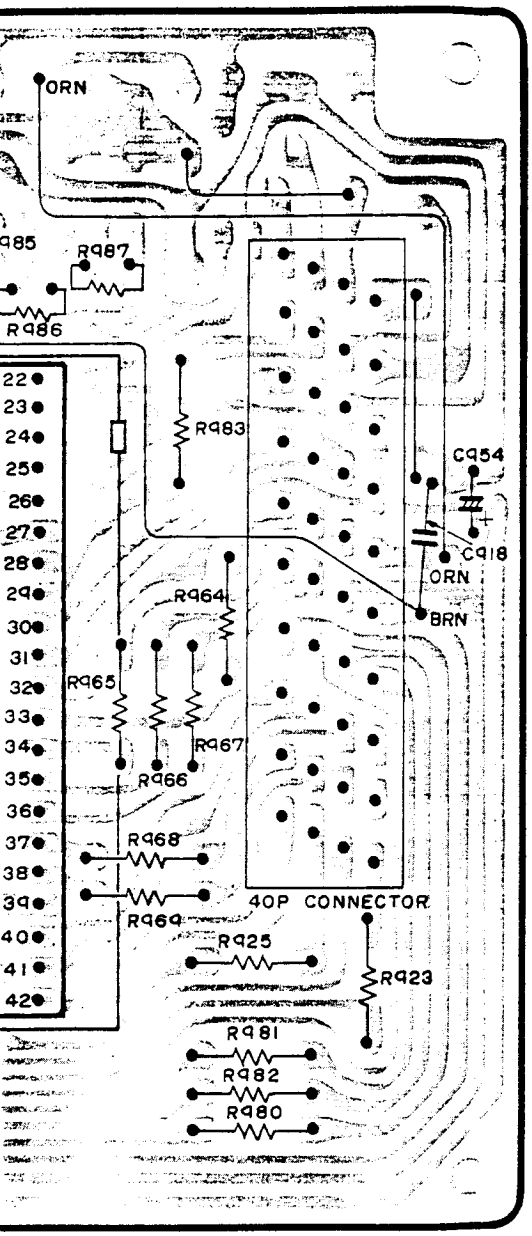


MODE \ PIN	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
STOP	0V	0V	0V	1.8V	0V	1.8V	13.5V	13.5V	0V	0V
REW	0V	0V	0V	0V	0V	1.8V	13.5V	13.5V	13.5V	12V
FF	0V	12V	13.5V	1.8V	0V	0V	13.5V	13.5V	0V	0V

IC 903 VOLTAGE

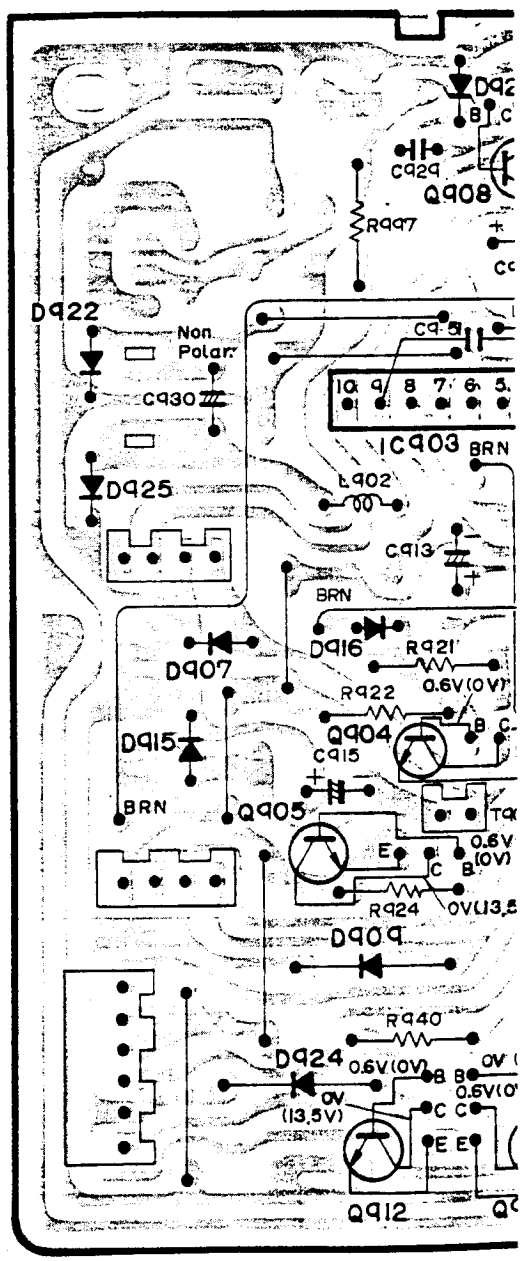
MICROPROCESSOR

ARD DIAGRAM

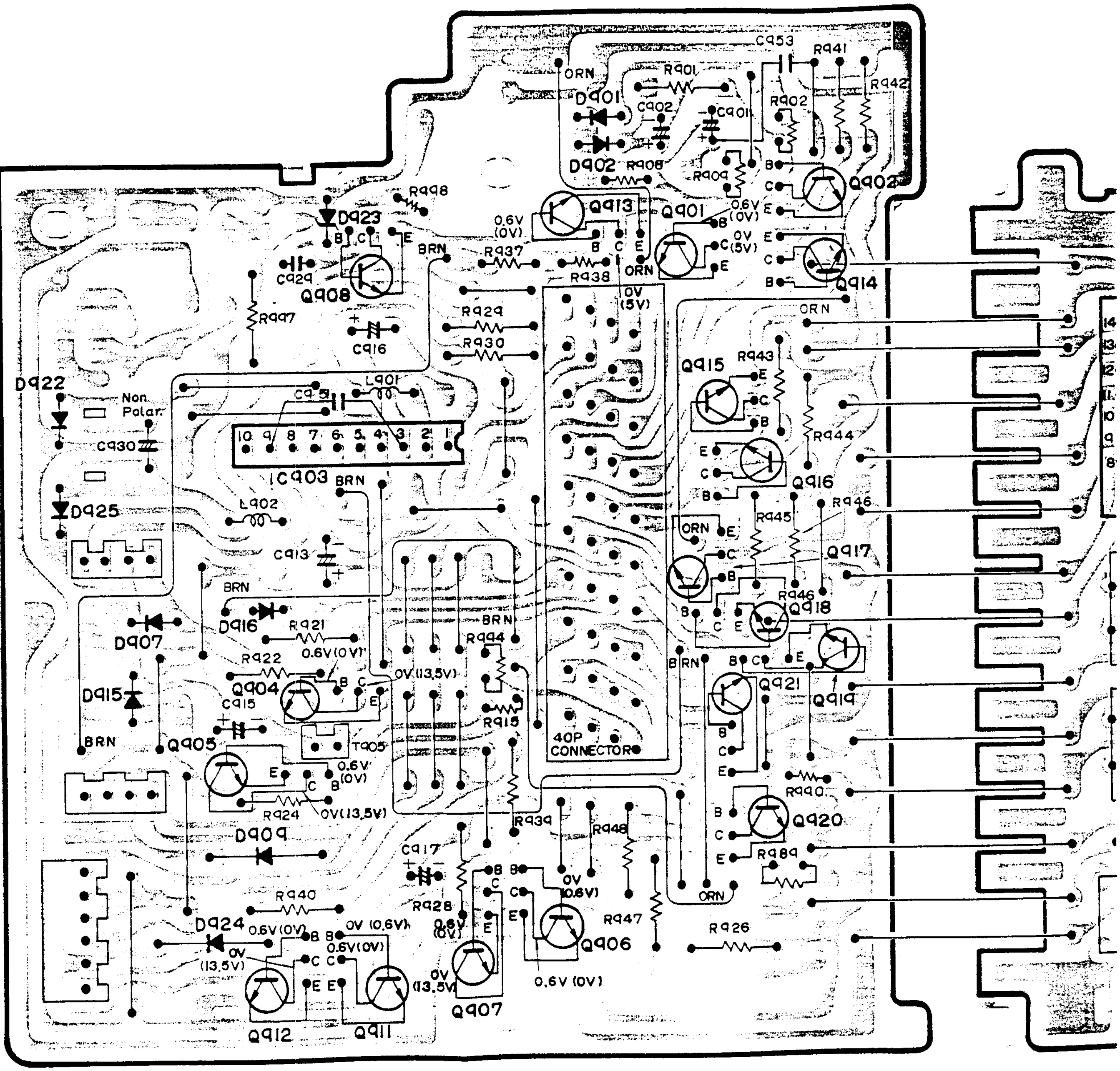


PIN / DE	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
TOP	0V	0V	0V	1.8V	0V	1.8V	13.5V	13.5V	0 V	0V
EW	0V	0V	0V	0V	0V	1.8V	13.5V	13.5V	13.5V	12V
FF	0V	12V	13.5V	1.8V	0V	0V	13.5V	13.5V	0V	0V

IC 9 0 3 VOLTAGE

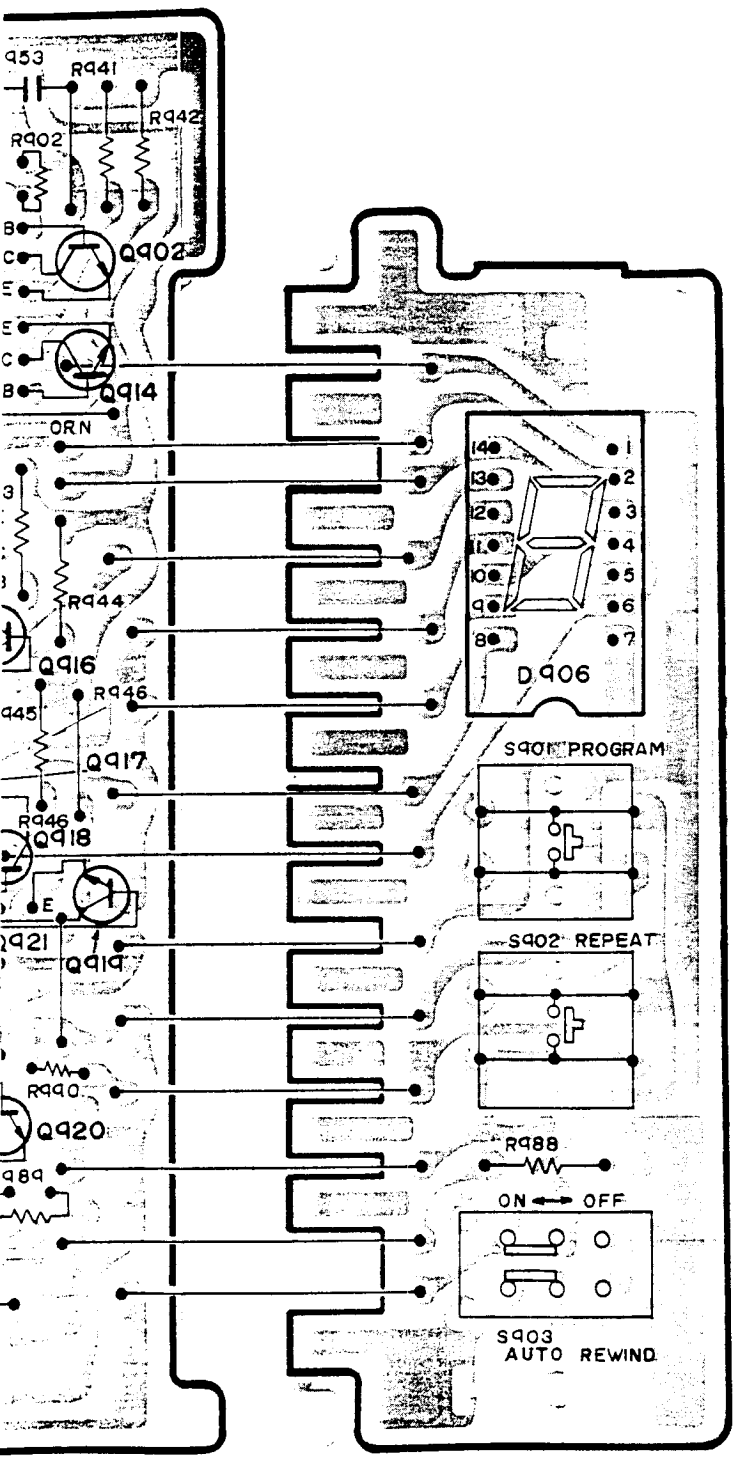


ICROPROCESSOR

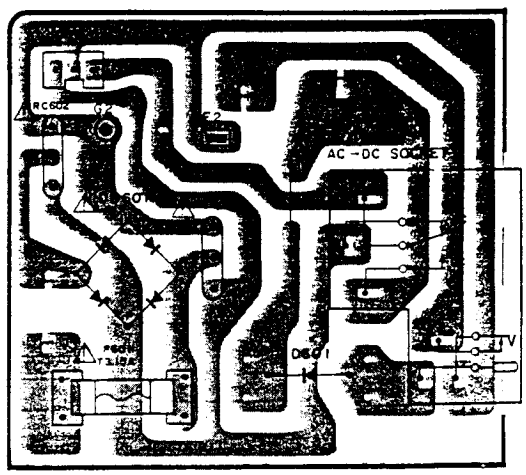

C953
R941
R942
ORN
R901
D901
C902
C901
R902
D902
R908
R909
Q902
R998
D923
Q913
Q901
0.6V (0V)
0V (5V)
B C E
BRN
R937
R938
ORN
Q914
C929
Q908
R997
R929
C916
R930
ORN
R943
Q915
D922
Non Polar
C951
L901
C930
IC903
BRN
R944
Q916
R946
D925
L902
R945
C913
Q917
BRN
R946
Q918
D916
R921
R994
D907
R922
0.6V (0V)
0V (13.5V)
BRN
Q921
Q919
D915
Q904
C915
R915
BRN
T905
40P CONNECTOR
Q905
0.6V (0V)
R990
R924
0V (13.5V)
Q920
R939
R948
D909
C917
R984
R940
R928
ORN
R947
D924
0.6V (0V)
0V (0.6V)
0.6V (0V)
0V (13.5V)
0V (0.6V)
Q906
R926
0.6V (0V)
Q907
Q912
Q911

DRIVE

LED

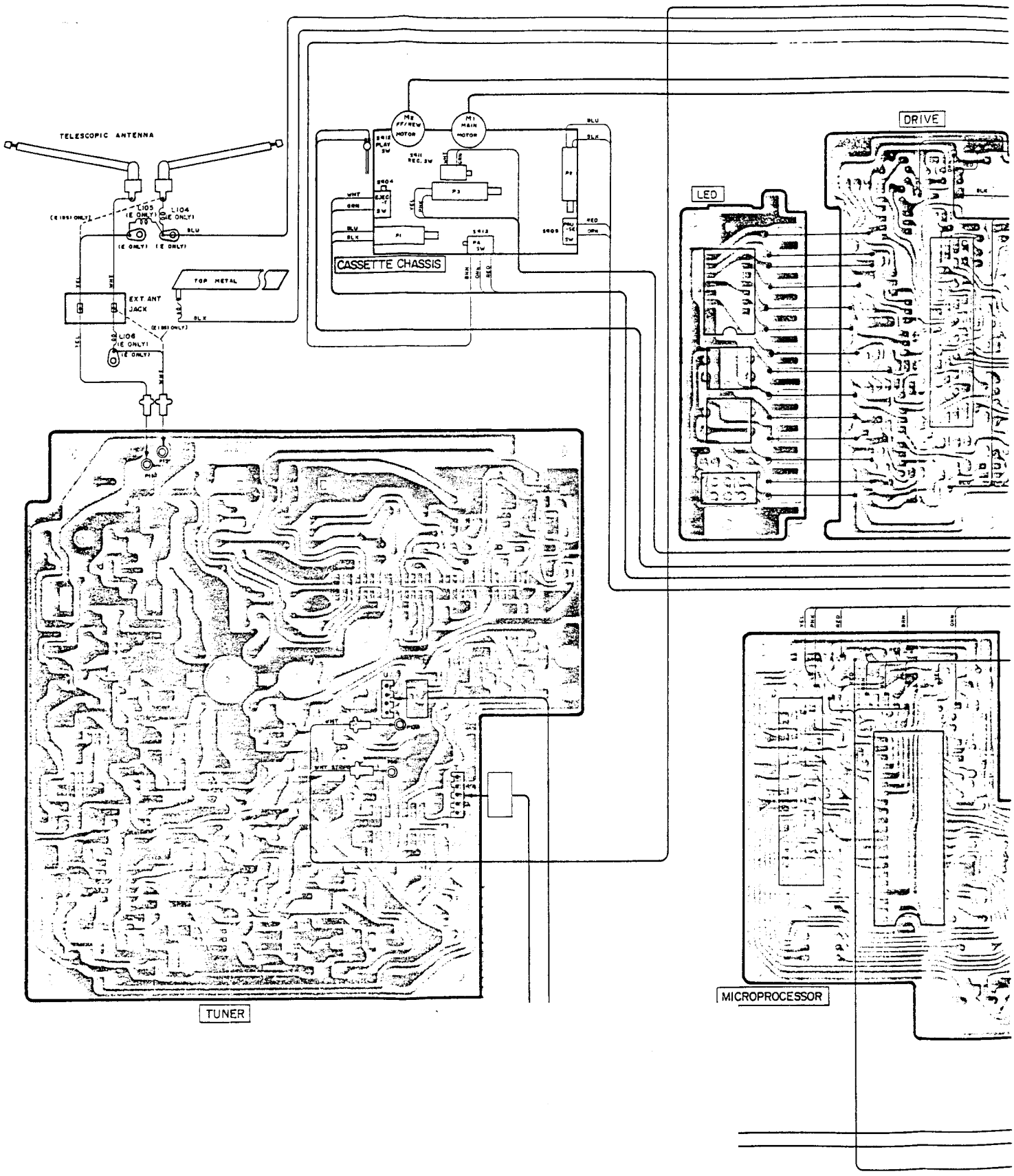

R941
R942
R902
Q902
Q914
ORN
R944
Q916
R946
Q917
Q918
Q919
R990
Q920
R988
D906
S901 PROGRAM
S902 REPEAT
ON ⟷ OFF
S903
AUTO REWIND

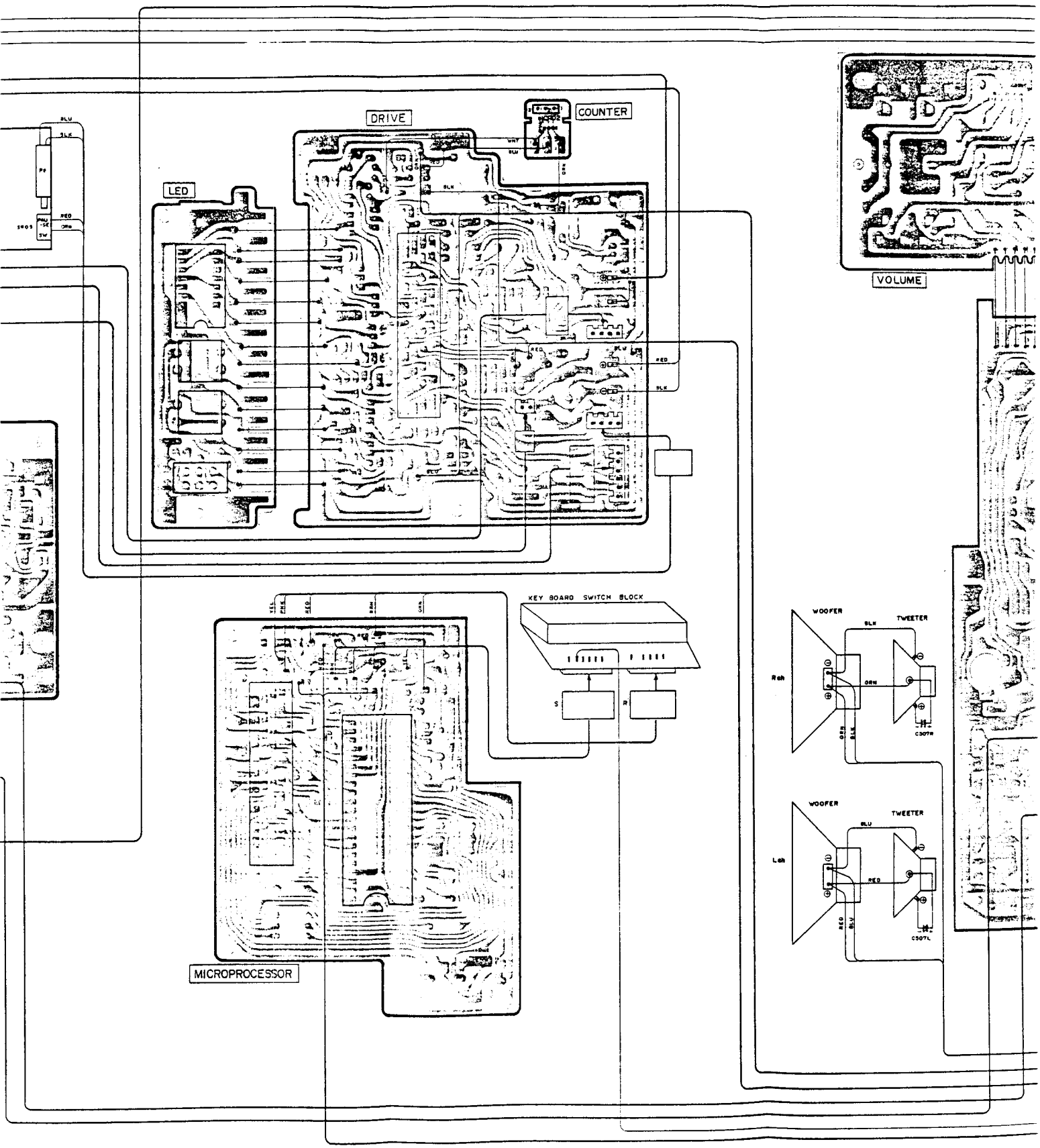
LED

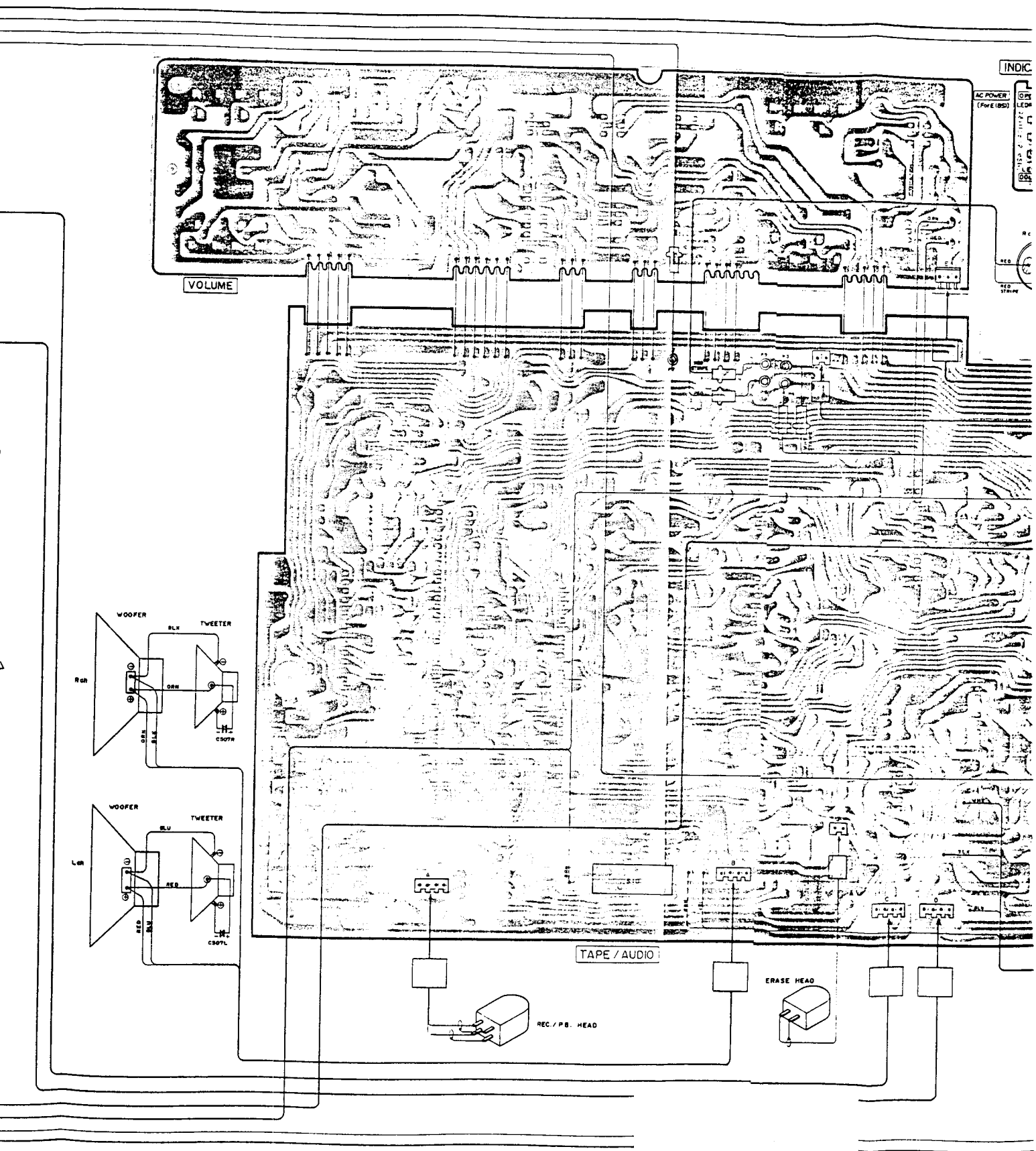

AC-DC SOCKET
TV

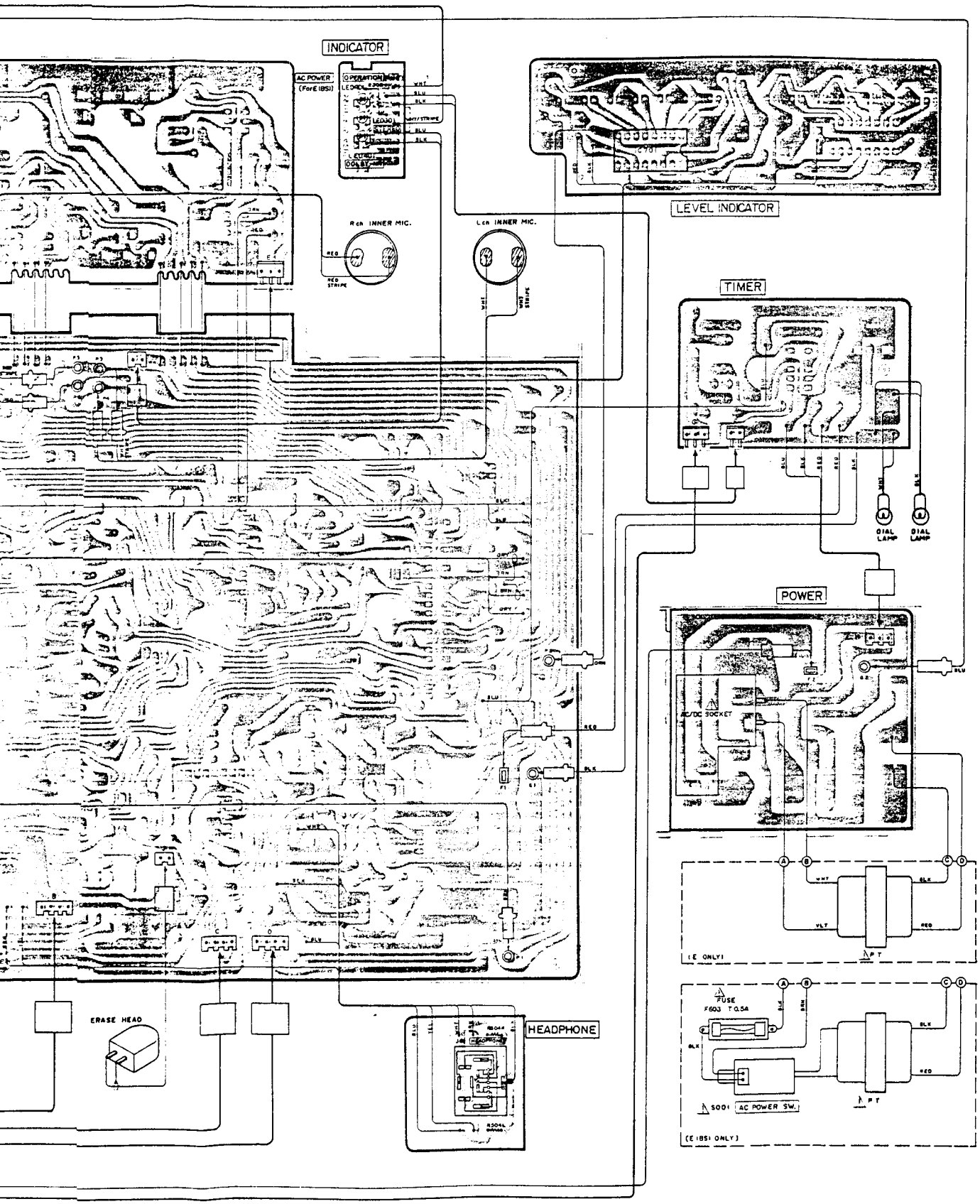
POWER

WIRING DIAGRAM




DRIVE
COUNTER
LED
VOLUME
KEY BOARD SWITCH BLOCK
S
R
MICROPROCESSOR
WOOFER
TWEETER
Rch
Lch
C307R
C307L


VOLUME
INDIC
AC POWER
(For E (BS))
WOOFER
TWEETER
Rch
BLK
ORN
CSO7R
WOOFER
TWEETER
Lch
BLU
RED
CSO7L
TAPE / AUDIO
REC. / P.B. HEAD
ERASE HEAD


INDICATOR
AC POWER
(For E (BS))
LEVEL INDICATOR
Rch INNER MIC.
Lch INNER MIC.
TIMER
DIAL LAMP
DIAL LAMP
POWER
AC/DC SOCKET
(E ONLY)
PT
FUSE
F603 T 0.5A
S001 AC POWER SW.
PT
(E (BS) ONLY)
ERASE HEAD
HEADPHONE

REPLACEMENT PARTS LIST

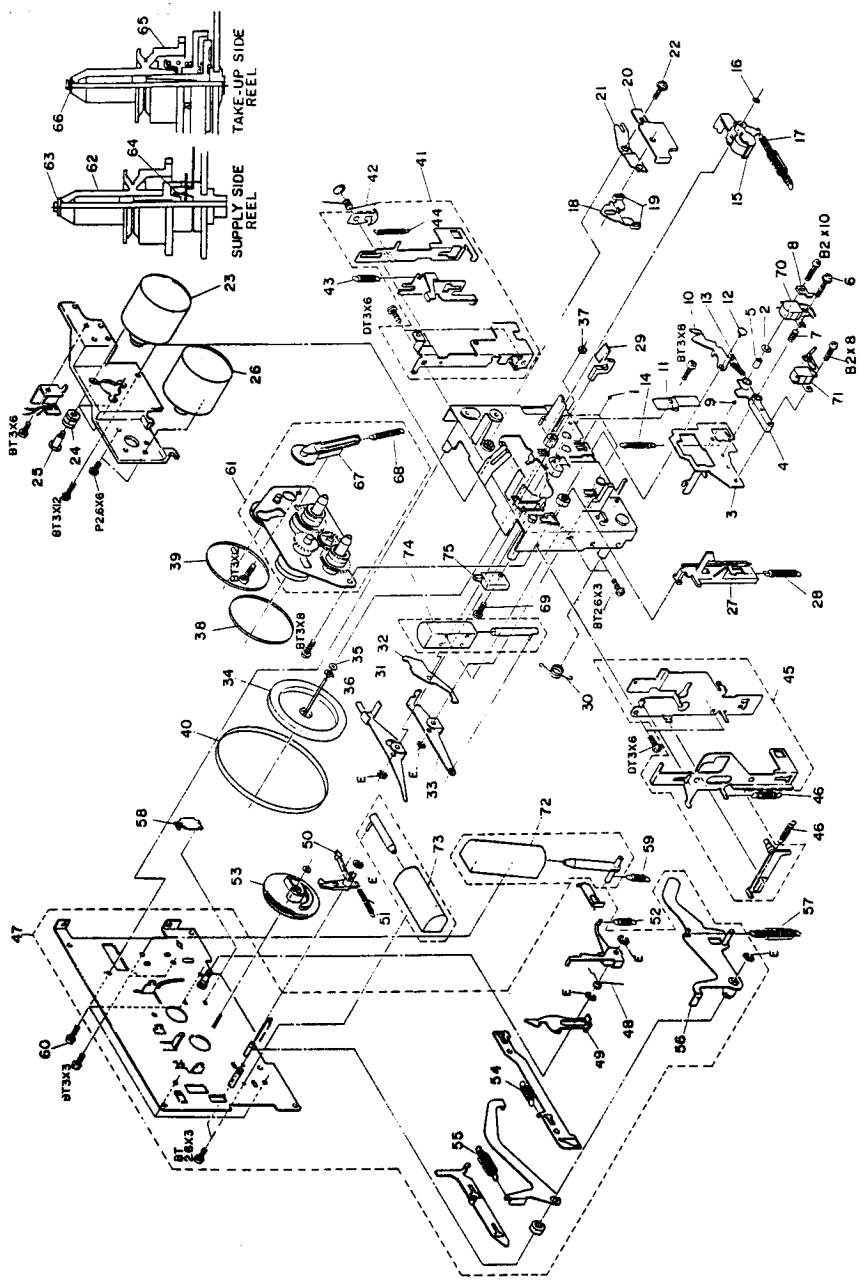
SYMBOL-NO	P-NO	DESCRIPTION
		RESISTORS
RC601	0186451	CR PACK
RC602	0186451	CR PACK
RT301	0151806	SEMI VARIABLE 1KOHM B
RT302	5007185	SEMI VARIABLE 4.7KOHM
RT401LR	0151818	SEMI VARIABLE 100KOHM
RT402LR	0151821	SEMI VARIABLE 50K OHM
RT403LR	0151817	SEMI VARIABLE 20KOHM B
RT404LR	0151808	SEMI VARIABLE 10K OHM RS88
RT405	0151360	SEMI VARIABLE 5K B
RV401LR	5020092	VARIABLE 50KOHM(B)
RV403LR	5020082	VARIABLE 100KOHM(B)
RV404LR	5020081	VARIABLE 100KOHM(C)
RV405LR	5020093	VARIABLE 10KOHM(A)
		SEMI-CONDUCTORS
D8601	5331521	DIODE S4VB10
D102	5330573	DIODE SILICON 1S2473 300MHZ 300MW
D103	5330661	DIODE SILICON LS2790 200MHZ 80MW
D104	5330573	DIODE SILICON 1S2473 300MHZ 300MW
D105	5330573	DIODE SILICON 1S2473 300MHZ 300MW
D151	5331052	DIODE 1K60RLF-2
D201	5331052	DIODE 1K60RLF-2
D202	5331052	DIODE 1K60RLF-2
D203	5331052	DIODE 1K60RLF-2
D204	5331052	DIODE 1K60RLF-2
D205	5331052	DIODE 1K60RLF-2
D206	5331052	DIODE 1K60RLF-2
D401LR	5330571	DIODE 1S2473VE
D402LR	5330571	DIODE 1S2473VE
D403LR	5331051	DIODE 1K60
D405LR	5330573	DIODE SILICON 1S2473 300MHZ 300MW
D406	5330573	DIODE SILICON 1S2473 300MHZ 300MW
D407LR	5330573	DIODE SILICON 1S2473 300MHZ 300MW
D407R	5330571	DIODE 1S2473VE
D408	5330573	DIODE SILICON 1S2473 300MHZ 300MW
D409	5330573	DIODE SILICON 1S2473 300MHZ 300MW
D411	5331052	DIODE 1K60RLF-2
D601	5330501	DIODE SILICON UD-58 60HZ 3MW
D701LR	5380465	LED LN07202P
D901	5331051	DIODE 1K60
D902	5331051	DIODE 1K60
D904	5330847	DIODE RD2.7E-B2
D906	5380521	LED LA4010A
D907	5330571	DIODE 1S2473VE
D909	5331241	DIODE 1SR34
D910	5331052	DIODE 1K60RLF-2
D911	5331052	DIODE 1K60RLF-2
D915	5330571	DIODE 1S2473VE
D916	5331051	DIODE 1K60
D922	5330571	DIODE 1S2473VE
D923	5330391	ZENER DIODE SILICON HZ6A3
D924	5331241	DIODE 1SR34
D925	5330571	DIODE 1S2473VE
D930	5330392	ZENER DIODE SILICON HZ6B 1MHZ 400MW
D950	5330421	DIODE SILICON V09C 15K
ZD501	5330533	ZENER DIODE SILICON HZ-12C
ZD502	5330513	ZENER DIODE SILICON HZ7C
LED301	5380271	LED GL-9PR2
LED401	5380281	LED GL-9PG2
LED901	5380271	LED GL-9PR2
IC201	5351064	IC AN2538B
IC301	5350684	IC HA1330
IC401LR	5350961	IC BA340
IC402	5357001	IC TA1024
IC403	5356832	MODULE TA3003
IC404	5352033	IC BA335
IC501	5352141	IC HA1392
IC701LR	5365501	IC IR-2E02
IC901	5365401	IC HD44750A11
IC902	5391031	HALL ELEMENT DN6838
IC903	5352221	IC BA6107
Q101	5321271	TRANSISTOR SILICON 2SC1674L 600MHZ
Q102	5321281	TRANSISTOR SILICON 2SC1675-L 230MHZ 200M
Q103	5321281	TRANSISTOR SILICON 2SC1675-L 230MHZ 200M
Q151	5321281	TRANSISTOR SILICON 2SC1675-L 230MHZ 200M
Q152	5321281	TRANSISTOR SILICON 2SC1675-L 230MHZ 200M
Q201	5321281	TRANSISTOR SILICON 2SC1675-L 230MHZ 200M
Q401LR	5321293	TRANSISTOR 2SC1740LN-R
Q402LR	5321293	TRANSISTOR 2SC1740LN-R
Q404LR	5321293	TRANSISTOR 2SC1740LN-R
Q405LR	5321293	TRANSISTOR 2SC1740LN-R
Q406LR	5321293	TRANSISTOR 2SC1740LN-R
Q407LR	5321293	TRANSISTOR 2SC1740LN-R
Q408	5321293	TRANSISTOR 2SC1740LN-R
Q409LR	5321293	TRANSISTOR 2SC1740LN-R
Q410	5321293	TRANSISTOR 2SC1740LN-R
Q411	5321293	TRANSISTOR 2SC1740LN-R
Q412	5321293	TRANSISTOR 2SC1740LN-R
Q413LR	5321293	TRANSISTOR 2SC1740LN-R
Q414	5321293	TRANSISTOR 2SC1740LN-R
Q501	5320643	TRANSISTOR SILICON 2SC1162 150M
Q502	5320643	TRANSISTOR SILICON 2SC1162 150M
Q901	5321294	TRANSISTOR 2SC 1740S

SYMBOL-NO	P-NO	DESCRIPTION
		SEMI-CONDUCTORS
Q902	5321294	TRANSISTOR 2SC 1740S
Q904	5322671	TRANSISTOR 2SD985
Q905	5322671	TRANSISTOR 2SD985
Q906	5321294	TRANSISTOR 2SC 1740S
Q907	5320643	TRANSISTOR SILICON 2SC1162 150M
Q908	5321213	TRANSISTOR 2SD468C 190MHZ 0.9MW
Q910	5321294	TRANSISTOR 2SC 1740S
Q911	5321294	TRANSISTOR 2SC 1740S
Q912	5320643	TRANSISTOR SILICON 2SC1162 150M
Q913-923	5321294	TRANSISTOR 2SC 1740S
VR201	5340022	VARISTOR SILICON HV-46 10K
VR401	5340022	VARISTOR SILICON HV-46 10K
VR402	5340022	VARISTOR SILICON HV-46 10K
		TRANSFORMERS
T101	5140071	FM IF
T151	5160101	CERAMIC FILTER 468 KHZ
T201	5148111	FM DISCRI.
T202	5148112	FM DISCRI.
T203	5140072	FM IF
T204	5130122	AM IF
△ PT	5212683	POWER TRANSFORMER (For E(BS))
△ PT	5212682	POWER TRANSFORMER (For E)
		COILS
L101	5126482	FM RF
L102	5150791	CHOKE COIL
L103	5126276	FM OSILLATOR COIL
L104	5123271	FM TRAP COILL0.5MH (For E)
L105	5123271	FM TRAP COILL0.5MH (For E)
L106	5123271	FM TRAP COILL0.5MH (For E)
L151	5123493	SW ANTENNA COIL
L152	5113501	FERRITE CORE ANTENNA
L153	5113501	FERRITE CORE ANTENNA
L154	5123494	SW OSC
L155	5120319	MW OSC
L156	5120465	LW OSC
L157	5123271	FM TRAP COILL0.5MH
L401LR	5260215	TRAP COIL 33 MH
L401M	5260215	TRAP COIL 33 MH
L402LR	5120274	CHOKE COIL
L403	5260821	OSCILLATOR BLOCK
L404LR	5161661	DOLBY FILTER
L501LR	5150761	CHOKE COIL
L502	5152123	CHOKE 18 MH
L901	5150461	CHOKE 240 MH
L902	5150461	CHOKE 240 MH
L904	5152031	CHOKE COIL 160MH
		MISCELLANEOUS
△	5653242	POWER SOCKET
	5653321	IC SOCKET
PL901	5762283	LAMP(12V)
PL902	5762286	LAMP(12V)
	5898371	CONNECTOR
6P101	5161551	FILTER
CF201	5160211	CERAMIC FILTER CF107A
CF202	5160211	CERAMIC FILTER CF107A
F301LR	5161731	LCR FILTER
△F601	5721065	FUSE 3.15A
△F603	5720173	FUSE 500MA (For E(BS))
J1	5679442	JACK PLATE (MIC)
J3	5676241	JACK (PHONO)
J4	5679442	JACK PLATE (EXT. SP.)
J6	5674132	HEADPHONE JACK
J7	5653211	DIN JACK
S 1	5623431	SLIDE SWITCH (REC / P.B.)
S 2	5623611	SLIDE SWITCH (REC/P.B.)
S 3	5624091	SLIDE SWITCH (FUNCTION)
S 4	5604281	LEVER SEITCH (EQ.)
S 5	5604092	LEVER SWITCH (BIAS)
S 6	5604082	LEVER SWITCH (DOLBY NR)
S 7	5604082	LEVER SWITCH (MONO/STEREO)
S 8	5623871	SLIDE SWITCH (PHONO/LINE)
S 9	5604083	LEAF SWITCH (REC MUTE)
S 10	5624252	SLIDE SWITCH (RIF)
S 11	5604082	LEVER SWITCH (REC MODE-AUTO/MANUAL)
S 12	5604082	LEVER SWITCH (AFC)
S 13	5604082	LEVER SWITCH (LEVEL/TUNE, BATT.)
S 14	5633621	PUSH SWITCH (LOUDNESS)
S 15	5625011	SLIDE SWITCH (BAND)
△S001	5602021	SEESAW SWITCH-AC POWER (For E(BS))
S901	5633352	PUSH SWITCH (PROGRAM)
S902	5633352	PUSH SWITCH (REPEAT)
S903	5623575	SLIDE SWITCH (AUTO REW.)
S904, 908 S913	5633361	PUSH SWITCH (EJECT, PAUSE, POWER ASSIST)
S912	5603113	LEAF SWITCH (MOTOR)
S914	5624251	SLIDE SWITCH (TIMER-P.B./OFF/REC)
S915	5604431	LEVER SWITCH (POWER-ON/OFF/TIMER)
S916	6533521	LEAF SPRING (DIAL LIGHT)
		FOR ACCESSORIES
△	5747321	POWER CORD (For E)
△	5746341	POWER CORD (For E(BS))
	5896391	FM ANTENNA (For E(BS))

TRK-8800E, E(BS)

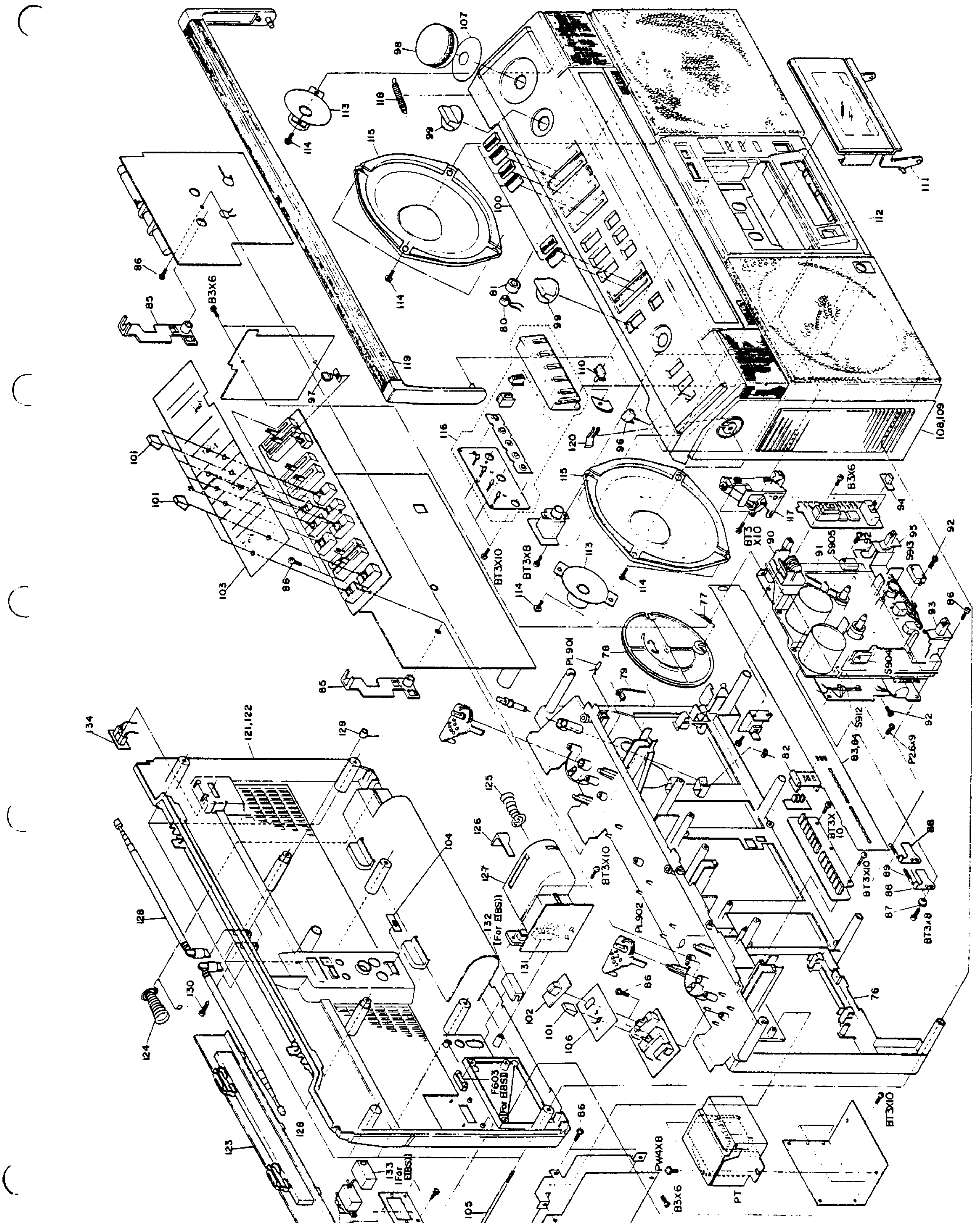
SYMBOL-NO	P-NO	DESCRIPTION
		FOR CASSETTE DECK ASSEMBLY (A)
1	0948492	BALL - 2MMD
2	7779921	WASHER
3	7323103	HEAD PLATE
4	675H352	HEAD BASE
5	7575902	COLLAR
6	7781004	SCREW
7	6321733	HEAD SPRING C
8	7317371	EARTH PLATE
9	0948492	BALL - 2MMD
10	7325282	ADJUST PLATE
11	6533671	HEAD PLATE HOLDER
12	675H322	ARM PIN
13	6320576	SPRING
14	6322542	SPRING FOR HEAD PLATE
15	6383615	PRESSURE ROLLER ARM ASSEMBLY
16	7786624	POLYSLIDER WASHER
17	6300075	SPRING
18	7323432	BRAKE PLATE
19	6586004	RUBBER FOR BRAKE
20	7327311	BRAKE HOLDER
21	7323071	BRAKE LEVER
22	7781133	BT SCREW-3MMD
23	5576572	MOTOR ASSEMBLY (PLAY)
24	6576082	RUBBER PLATE
25	7539004	MOTOR FIXING SCREW
26	5576581	MOTOR ASSEMBLY (FF•REWIND)
27	7323472	LOCK SLIDER
28	6300981	SPRING
29	675H344	RECORD PREVENTION ARM
30	6546171	SPRING FOR SOLENOID LEVER
31	7322991	DRIVING LEVER
32	7325161	RELAY LEVER
33	7323012	SOLENOID LEVER
34	6373571	FLYWHEEL
35	7778848	POLYSLIDER WASHER
36	7772623	SPRING
37	7786623	POLYSLIDER WASHER
38	6354684	BELT FOR FF•REWIND
39	6355161	BELT FOR TAKE UP
40	6357431	FLYWHEEL BELT
41	7323524	PAUSE HOLDER ASSEMBLY
42	6319707	SPRING FOR PAUSE SLIDER
43	6546061	SPRING
44	6300981	SPRING
45	7323534	EJECT HOLDER ASSEMBLY
46	6301723	SPRING FOR EJECT SLIDER
47	7041325	POWER ASSIST CHASSIS ASSEMBLY
48	6546131	RECORD SPRING
49	7327291	RECORD LEVER
50	675H363	LOCK LEVER (A)
51	6300595	SPRING
52	6301102	SPRING FOR LOCK LEVER (B)
53	6430933	POWER ASSIST GEAR ASSEMBLY
54	6323664	SPRING
55	6301792	SPRING FOR RECORD SLIDER (B)
56	7323032	POWER ASSIST LEVR ASSEMBLY
57	6301237	SPRING FOR POWER ASSIST LEVER
58	6743HH4	THRUST SUPPORT
59	6540022	SPRING FOR SOLENOID (PLAY)
60	7761132	BT SCREW
61	7041214	REEL BASE ASSEMBLY
62	6413832	SUPPLY REEL BASE ASSEMBLY
63	7786115	POLYESTER WASHER
64	6303013	SPRING
65	6413843	TAKE UP REEL BASE ASSEMBLY
66	7786115	POLYESTER WASHER
67	6362002	IDLER SLIDER ASSEMBLY
68	6301025	SPRING
69	7780262	PAN HEAD SCREW
70	5444991	RECORD PLAYBACK HEAD
71	5445282	ERASE HEAD
72	5642702	SOLENOID (STOP)
73	5642712	SOLENOID (PLAY)
74	5642722	SOLENOID
75(S911)	5633361	PUSH SWITCH
		FOR CASSETTE DECK ASSEMBLY
76	675H562	CHASSIS ASSEMBLY
77	6316231	SPRING M
78	6345672	PULLEY-160MMD
79	6394442	POINTER
80	5421571	BUILT IN MICROPHONE
81	6570291	MIC COVER
82	6758551	INDICATOR HOLDER
83	6467763	SCALE PLATE (For E)
84	6467764	SCALE PLATE (For E(BS))
85	675H541	EXCHANGE LEVER
86	0699410	BT BIND HEAD SCREW-3MMDX10MM (BLACK)
87	7548252	COLLAR
88	7330171	RECORD LEVER
89	6301101	SPRING
90	5550381	COUNTER
91	6355021	COUNTER BELT
92	0671310	DT SCREW-2.6MMDX10MM

EXPLODED VIEW (Cassette Chassis)



Note: Components marked without numbers in this drawing are not specified as replacement parts.

EXPLODED VIEW (Cabinet)



Note: Components marked without numbers in this drawing are not specified as replacement parts.

SYMBOL-NO	P-NO	DESCRIPTION
		FOR CASSETTE DECK ASSEMBLY (A)
93	6257813	EJECT BUTTON ASSEMBLY
94	6296863	SLIDE KNOB (AUTO REWIND)
95	6257803	PAUSE BUTTON ASSEMBLY
96	6251101	LIGHT BUTTON
97	6053492	PUSH BUTTON ASSEMBLY (LOUDNESS)
98	6283384	TUNING KNOB ASSEMBLY
99	6283394	KNOB ASSEMBLY (BAND,FUNCTION)
100	6295554	SLIDE KNOB
101	6296853	LEVER KNOB
102	6296843	SLIDE KNOB(TIMER STANDBY)
103	7766431	SPACER
104	7711801	SPACER
105	7781303	TAPPING SCREW-3MMOX8MM
106	7766371	SPACER
107	7755411	SPACER
108	6034213	FRONT CASE ASSEMBLY (For E)
109	6034214	FRONT CASE ASSEMBLY [For E(BS)]
110	6053013	PUSH BUTTON
111	6092632	CASSETTE LID ASSEMBLY
112	6223511	HEAD COVER
113	5401122	SPEAKER-5CM
114	7781133	BT SCREW-3MMO
115	5407421	SPEAKER-16CM
116	5639284	FUNCTION SWITCH ASSEMBLY
117	6758532	EJECT ASSEMBLY
118	6301951	SPRING
119	6333647	HANDLE ASSEMBLY
120	6531142	SPRING
121	6034233	REAR CASE ASSEMBLY (For E)
122	6034234	REAR CASE ASSEMBLY [For E(BS)]
123	6173454	BATTERY LID ASSEMBLY
124	6305691	BATTERY TERMINAL (+,-)
125	6305702	BATTERY SPRING (-)
126	7451491	BATTERY TERMINAL
127	6758591	TERMINAL HOLDER
128	5752511	ROD ANTENNA
129	5687142	CAP TERMINAL
130	8744414	BIND SCREW-3MMOX14MM
131	5659121	BACK COVER
132	6746881	FUSE COVER [For E(BS)]
133	6746902	SWITCH COVER [For E(BS)]
134	5671661	FM ANTENNA TERMINAL

HITACHI

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