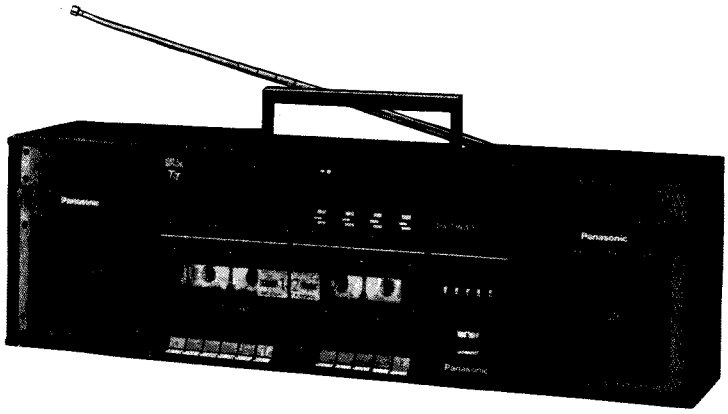
ORDER NO. GAD8712229C4

Service Manual

Radio Cassette

Portable Stereo Component System

RX-CW43



Color

(K).....Black Type

Area

color	area
(K)	[ME].....For AAFES EUROPE.
(K)	[MF].....For AAFES PACIFIC.

Note:

This new service manual (Order No. GAD8712229C4) is issued to replace the previous one (Order No. GAD8707147A4).

- **This model comes in two types, one manufactured in Japan and one manufactured in Singapore. You can distinguish between models manufactured in these countries as explained below.**

1.Models made in Japan
"Made in Japan" is stamped on the rear cabinet.

2.Models made in Singapore
"Mode in Singapore" is stamped on the rear cabinet.

RX-FW29 MECHANISM SERIES

■ SPECIFICATIONS

General:

Power Requirement:	AC; 110~127/200~220/230~250V 50/60Hz Battery; 12V(Eight"D"Size Fiashlight Batteries) (Panasonic UM-1 or equivalent)
Power Consumption:	30W (AC only)
Power Output:	15W(7.5Wx2)... RMS(max)
Speaker:	Woofer; 5"(12cm) PM Dynamic speaker(3Ω) Tweeter; 13/16"x1-1/2"(2cmx4cm) Ceramic speaker(1.5KΩ)
Input:	Line in; sensitivity 300mV/50KΩover MIXING MIC; 5mV,200~600Ω DC IN; 13.2V
Output:	EXT SP; 2.7~8Ω Headphones; 32Ω,ø3.5
Dimensions:	Total Size 25-1/16"(W)x7-7/8"(H)x6-3/8"(D) (637x199x162)mm Main Unit 13-1/2"(W)x7-7/8"(H)x6-3/8"(D) (344x199x162)mm Speaker Box 5-15/16"(W)x7-7/8"(H)x5-1/4"(D) (151x199x133)mm
Weight:	11lbs.(5.0Kg) without batteries

Radio Section:

Radio Frequency Range:	FM; 88~108MHz AM; 525~1610kHz
Intermediate frequency:	FM; 10.7MHz AM; 455kHz
Sensitivity:	FM; 4.5μV/50mW output (-3dB Limit Sens) AM; 70μV/m/50mW output
Tape Deck Section:	**TAPE 1**
Frequency Response:	70~12,000Hz (with normal tape)
Recording System:	AC bias Magnet erase
Tape Speed:	1-7/8ips (4.8cm/s)
Track System:	4-track 2-channel stereo recording and playback
Tape Deck Section:	**TAPE 2**
Frequency Response:	70~12,000Hz (with normal tape)
Tape Speed:	1-7/8ips (4.8cm/s)
Track System:	4-track 2-channel stereo playback

Weights and dimensions shown are approximate.
(Les poids et dimensions mentionnes soht approximatifs)
Design and specifications are subject to change without notice.

Panasonic

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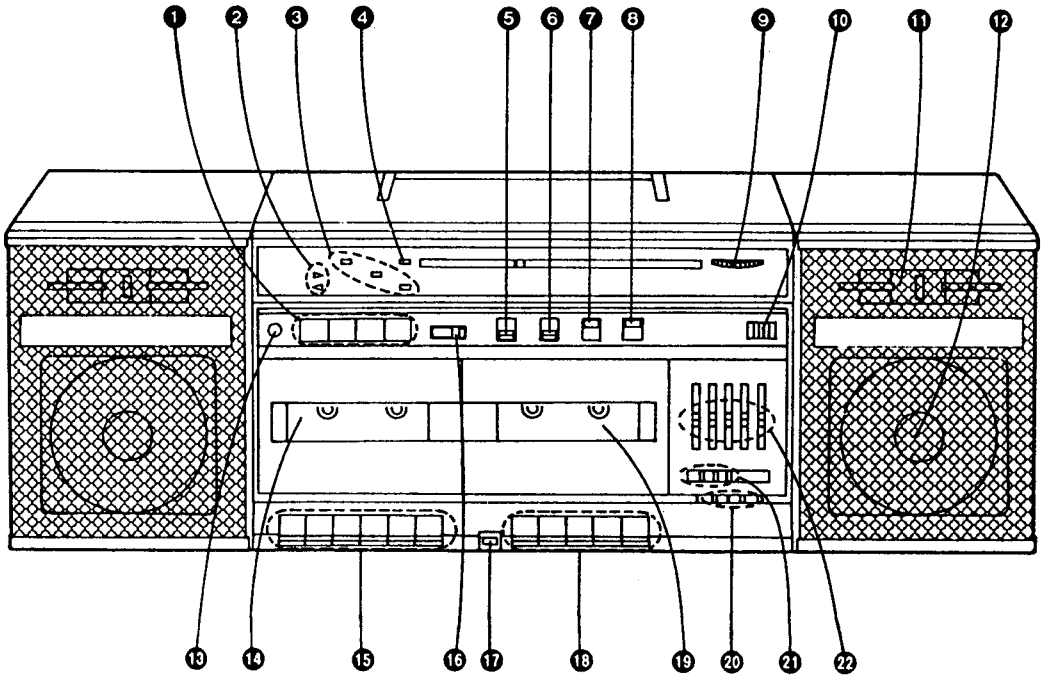
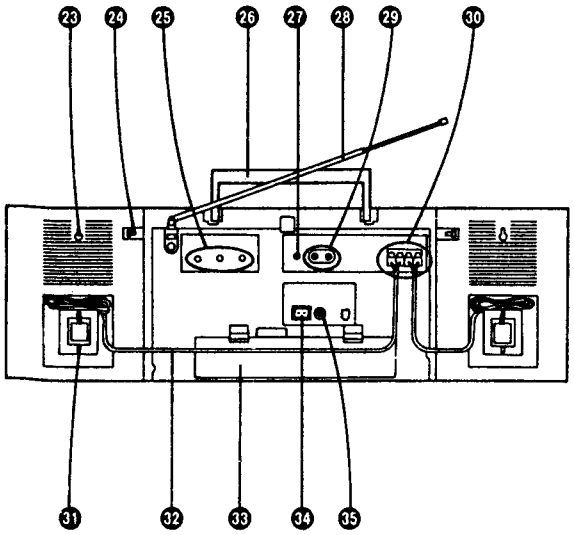
LOCATION OF CONTROLS



❶ FM Preset Tuning Buttons (FM PRESET TUNING)
❷ Power/Battery Check/Direction Indicators (POWER/BATT/TAPE 2 DIR)
❸ FM Preset Tuning Indicators
❹ FM Stereo Indicator (FM ST)
❺ Function Selector (SELECTOR)
❻ Editing Mode Selector (EDITING)
❼ FM Mode Selector/Beat Proof Switch (FM MODE/B.P)
❽ Band Selector (BAND)
❾ Tuning Control (TUNING)
❿ Built-in Microphone (MIC)
⓫ Speakers (Tweeter) 2x4cm, 1.5kΩ
⓬ Speakers (Woofer) 12cm, 3Ω
⓭ Headphones Jack (PHONES) ø3.5, 32Ω



Tape 1 (For Recording and Playback)

⓮ Cassette Compartment
⓯ ○ Record Button (RECORD)
▷ Playback Button (PLAY)
◁ Rewind/Review Button (REW/REV)
▷▷ Fast Forward/Cue Button (FF/CUE)
□ Stop/Eject Button (STOP/EJECT)
II Pause Button (PAUSE)
⓰ Tape Counter (TAPE 1 COUNTER)

Tape 2 (For Auto-Reverse Playback)

⓱ Reverse Mode Selector (REVERSE MODE)
⓲ ◇ Playback Button (PLAY)
◁◁ ▷▷ Fast/Cue Buttons (FAST/CUE)
□ Stop/Eject Button (STOP/EJECT)
◁▷ Direction Button (DIRECTION)
⓳ Cassette Compartment
⓴ Balance Control (BALANCE)
㉑ Volume Control (VOLUME)
㉒ Graphic Equalizer Controls (GRAPHIC EQUALIZER)
㉓ Speaker Wall Mounts
㉔ Speaker Release Levers (RELEASE)
㉕ FM Preset Tuning Controls (FM PRESET TUNING)
㉖ Handle
㉗ Mixing Microphone Jack (MIXING MIC)
㉘ Telescopic Antenna
㉙ CD/Line Input Jacks (CD/LINE IN) 300mV/50kΩ
㉚ Speaker Terminals (SPEAKER IMP 2.7-8Ω)
㉛ Speaker Cable Compartments
㉜ Speaker Cables
㉝ Battery Compartment
㉞ AC Socket (AC IN~)
㉟ DC Input Jack (DC IN 12–13.2 V)

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DISASSEMBLY INSTRUCTIONS

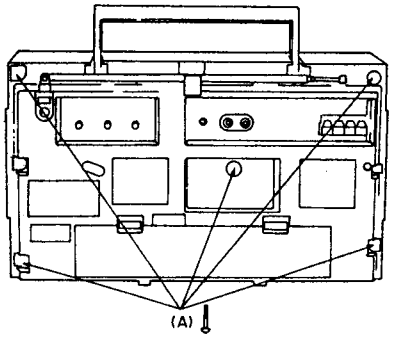

Fig. 1

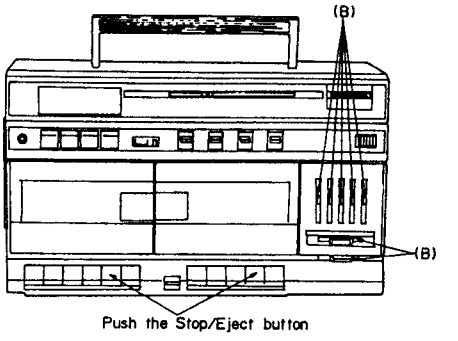

Fig. 2

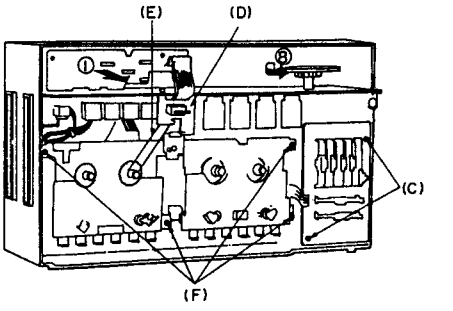

Fig. 3

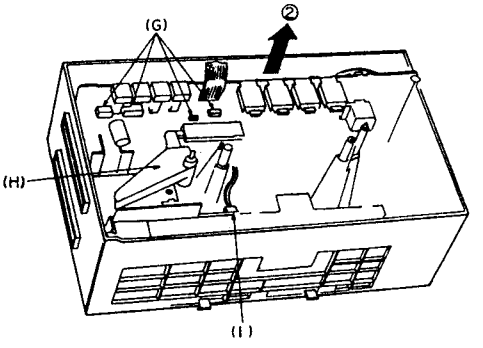

Fig. 4

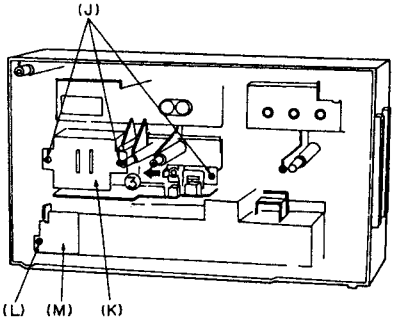

Fig. 5

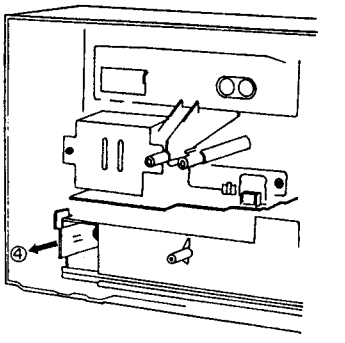

Fig. 6

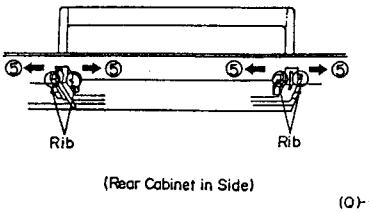

Fig. 7

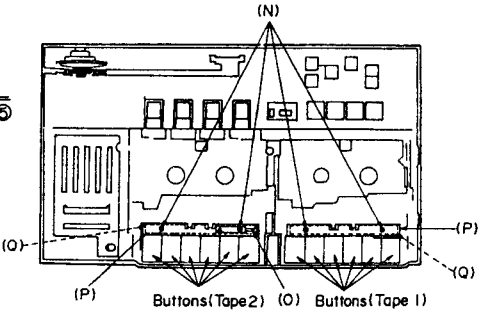

Fig. 8

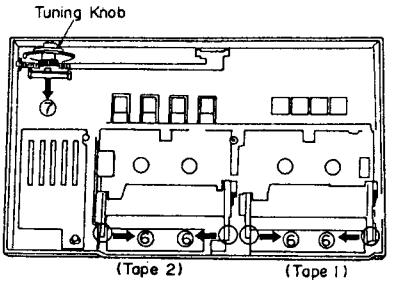

Fig. 9

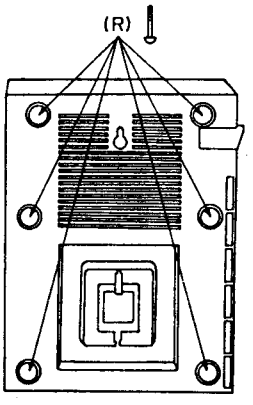

Fig. 10

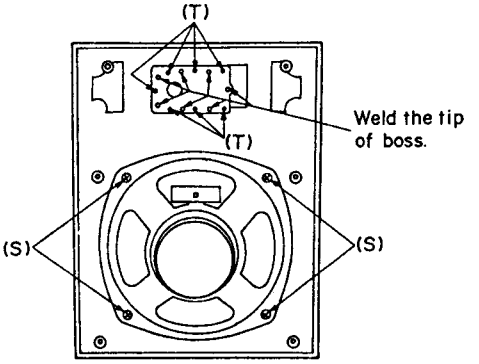

Fig. 11

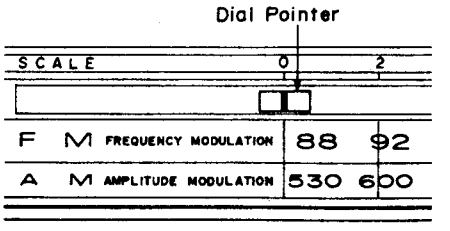

Fig. 12

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■ MAIN UNIT SECTION

Steps	Shown in Fig.—.	To remove—.	Remove—.
1	1	Front Cabinet Ass'y	Screw (3×40) mm ..... (A)×5
2	2		Knob ..... (B)×7
3			Push the Stop/Eject button (Tape 1, Tape 2)
4	3	LED Circuit Board	Remove the LED circuit board in the direction of arrow ①.
5	3	Graphic EQ Circuit Board	Screw (3×12) mm ..... (C)×2
6	3	Mechanism Unit (Tape 1 & Tape 2)	Tape counter & Angle ..... (D)×1
7			Counter belt ..... (E)×1
8			Screw (3×12) mm ..... (F)×4
9	4		Socket (CP1, CP2, CP3, CP4) ..... (G)×4
10	4	Main Circuit Board	Record/Playback Lever ..... (H)×1
11			Socket (CP5) ..... (I)×1
12			Remove the main circuit board in the direction of arrow ②.
13	5	Power Supply Circuit Board	Screw (3×12) mm ..... (J)×3
14			Shield plate ..... (K)×1
15			Push the rib in the direction of arrow ③.
16	5	Battery Circuit Board	Screw (3×12) mm ..... (L)×1
17			Angle ..... (M)×1
18	6		Remove the battery circuit board in the direction of arrow ④.
19	7	Handle	Remove the rib in the direction of arrows ⑤.
20	8	Buttons (Tape 1 & Tape 2)	Screw (3×6) mm ..... (N)×4
21			Plate ..... (O)×1
22			Angle ..... (P)×2
23			Cushion ..... (Q)×2
24	9	Cassette Compartment Cover (Tape 1 & Tape 2)	Remove the cassette compartment by pulling one side at a time toward the front of the set while pushing it with a standard screwdriver in the direction of the arrows ⑥.
25	9	Tuning Knob	Push the rib in the direction of arrow ⑦.

■ SPEAKER BOX SECTION

Steps	Shown in Fig.—.	To remove—.	Remove—.
26	10	Rear Cabinet Ass'y	Screw (3×20) mm ..... (R)×6
27	11	Speaker (Woofer)	Screw (3×8) mm ..... (S)×4
28	11	Tweeter Ass'y (*1)	Cut the tip of boss ..... (T)×7

(*1) When replacing the tweeter, attach the tweeter to the speaker cabinet by welding it to the remainder of the boss.

■ 0 (ZERO) POINT ADJUSTMENT

1. Line up the dial point in the front cabinet assembly with the "0" point graduation as shown in Fig. 12.
2. Turn the variable capacitor gear on the main circuit board all the way in the direction of arrow ⑧. (Fig. 3)
3. Next, assemble the front and rear cabinets, and the 0 (zero) point adjustment is complete.

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▼ Be sure to fold at the (▼) mark so that mark is on the outside.

ELECTRICAL PARTS LIST

Notes:

1. Important safety notice
   Components identified by ⚠ mark have special characteristics important for safety.
   When replacing any of these components, use only manufacturer's specified parts.
2. Ⓜ Indicates parts that are supplied by MESA.

Ref. No.	Part No.	Description
INTEGRATED CIRCUITS		
IC1	AN7205	I.C, FM RF AMP
IC2	BA4236L	I.C, I F AMP
IC3	RVIBA1332L	I.C, FM MPX
IC300	AN7310N	I.C, EQ AMP
IC301	BA3310N	I.C, REC AMP
IC302	BA3822LS	I.C, G.EQ AMP
IC303	LA4108R	I.C, POWER AMP
TRANSISTORS		
Q1	2SC829D	TRANSISTOR
Q2	2SC3940-R	TRANSISTOR
Q4	2SC1685-Q	TRANSISTOR
Q5	2SA722-S	TRANSISTOR
Q6	2SC1685-Q	TRANSISTOR
Q7	2SC1685-Q	TRANSISTOR
Q101	2SC1685-Q	TRANSISTOR
Q102	2SC2001K1	TRANSISTOR
Q201	2SC1685-Q	TRANSISTOR
Q202	2SC2001K1	TRANSISTOR
Q300	2SD1302R	TRANSISTOR
Q301	2SC1685-Q	TRANSISTOR
Q302	2SK301QTA	TRANSISTOR Ⓜ
Q303	2SC1685-Q	TRANSISTOR
Q304	2SC1685-Q	TRANSISTOR
Q305	2SD1302R	TRANSISTOR
Q306	2SC1685-Q	TRANSISTOR
Q307	2SC1685-Q	TRANSISTOR
Q308	2SC1685-Q	TRANSISTOR
DIODES		
D1	RVDKV1330A2	DIODE
D3	MA840B	DIODE
D4	RVD1SS133	DIODE
D5	RVDRD6R2ES3T	DIODE
D6	RVDRD10ES1T	DIODE
D9	RVD1SR35	DIODE
D10	RVD1SR35	DIODE
D11	RVD1SR35	DIODE
D12	RVD1SR35	DIODE
D15	RVD1SS133	DIODE
D16	RVD1SS133	DIODE
D17	RVD1SS133	DIODE
D20	RVDSEL1121RT	DIODE
D21	RVDSEL1121RT	DIODE
D22	RVDSEL1121RT	DIODE
D23	RVDSEL1121RT	DIODE
D24	RVDSEL1121RT	DIODE
D25	RVDSEL1121RT	DIODE
D27	RVD1SS133	DIODE
D28	RVDRD5R1ES2T	DIODE
D29	RVDRD6R2ES3T	DIODE
VARIABLE RESISTORS		
VR2	EVUE2AE25B15	V.R, FM PRESET
VR3	EVUE2AE25B15	V.R, FM PRESET
VR4	EVUE2AE25B15	V.R, FM PRESET
VR5	EVND4AA00B14	V.R, F MIN ADJ
VR6	EVND4AA00B14	V.R, FM VCO
VR7	EVND1AA00B53	V.R, TAPE SPEE
VR100	EWAHF2C95B54	V.R, VOLUME
VR102	EWAHQ6C95G54	V.R, G.EQ
VR103	EWAHQ6C95G54	V.R, G.EQ
VR104	EWAHQ6C95G54	V.R, G.EQ
VR105	EWAHQ6C95G54	V.R, G.EQ
VR106	EWAHQ6C95G54	V.R, G.EQ
VR300	EWAHU2C95G15	V.R, BALANCE
VARIABLE CAPACITORS		
CT1	RCVTZ20F	TRIMMER
CT2	RCV15AF1-S	TRIMMER
VC1	RCV2L6V1K-M	VARIABLE CAPACITOR
THERMISTORS AND VARISTORS		
TH1	RRT202	THERMISTOR
COILS AND TRANSFOMERS		
L2	RL04Y162W-0	COIL
L3	RLF2C62	COIL
L4	RL02B105	COIL
L100	RLQZB102K	COIL
L200	RLQZB102K	COIL
T1	RLI4B153	I.F.TRANSFORMER
T2	RLI2B458	I.F.TRANSFORMER
T3	RLI4B153	I.F.TRANSFORMER
T4	RL09B17	COIL
T5 ⚠	RLT5L4X2B-I	POWER TRANSFORMER
COMPONENT COMBINATIONS		
Z1	EXCFF76108L	COMPONENT COMBINATION
FILTERS		
CF1	RVF107WMZ	CERAMIC FILTER
CF2	RVFSFU455B	CERAMIC FILTER, 455KHZ
SWITCHES		
S1	RSS2B37Y	SW, BAND
S2	RSS2B37Y	SW, MODE
S3	RSS3D13Y	SW, FUNCTION
S4	RSH2H05ZA-Q	SW, REC/PLAY
S5	RSS3B22Z	SW, EDITING
S6	ESB621673	SW, FM PRESET
S7	RFA62Z	SW, FWD/REV
S8	RFA52Z	SW, MOTOR
S9	RFA83ZA	SW, MOTOR
S10 ⚠	RJJ1F1Y	JACK, W/SW
S11 ⚠	RSR3A01Z	VOLTAGE SELECTOR
OTHERS		
J1	RJJD3M6Z	JACK, MIX MIC
J2	RJJ1D29Z	JACK, HEADPHONE
J3	RJF1099YA-C	JACK, CD/LINE
J4 ⚠	RJJ1F1Y	JACK, W/SW
J5	RJF1098ZA-H	JACK, SP OUT Ⓜ

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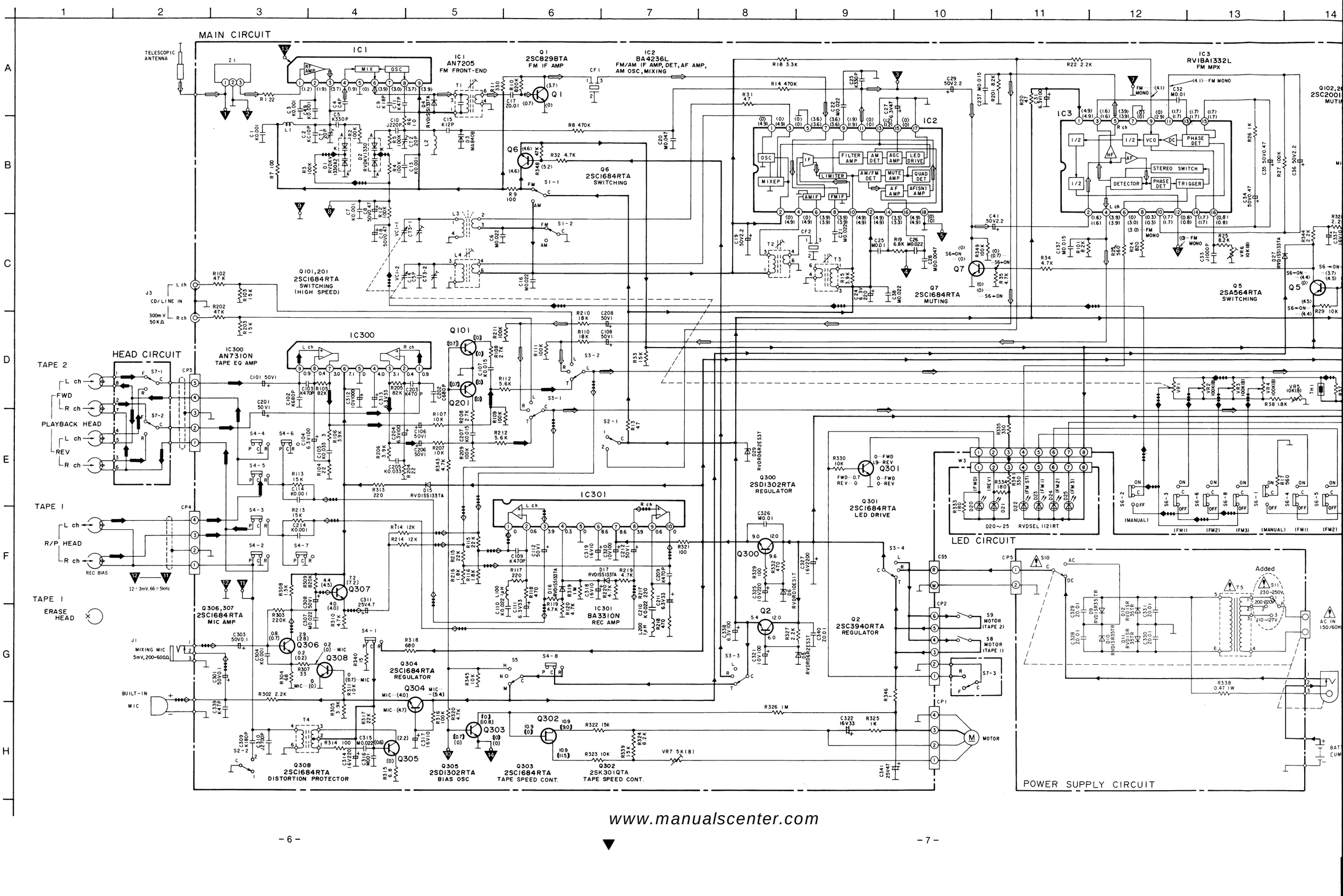
SCHEMATIC DIAGRAM



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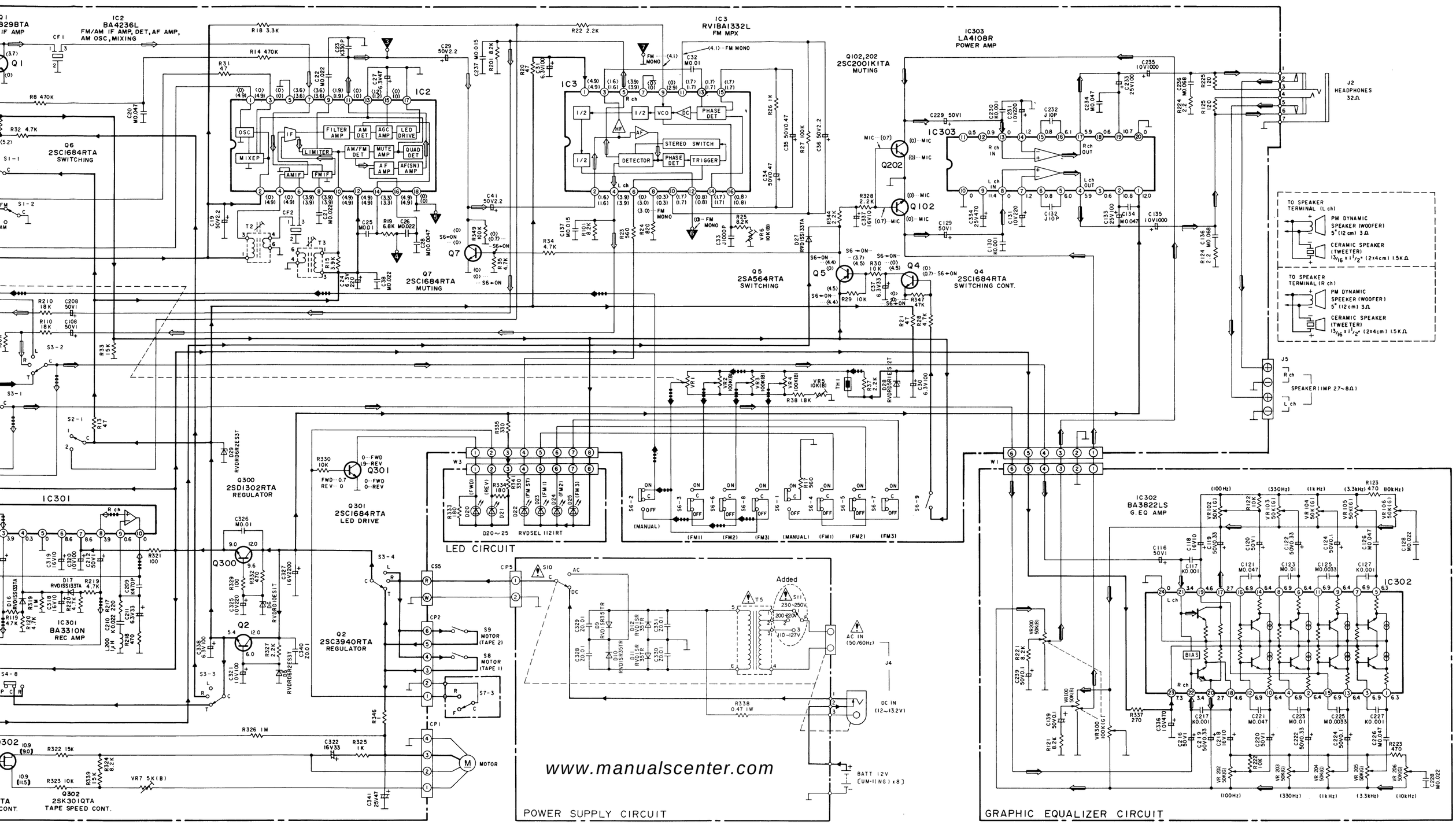
SCHEMATIC DIAGRAM



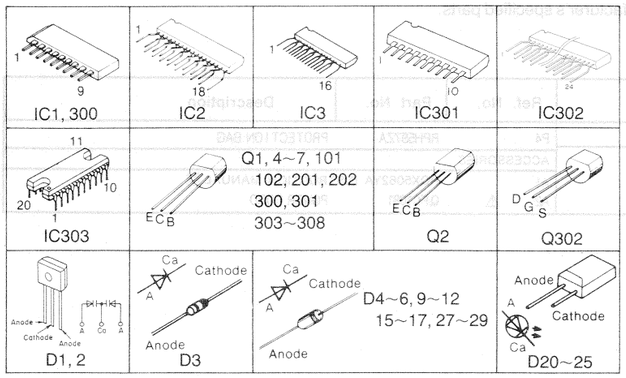
CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM

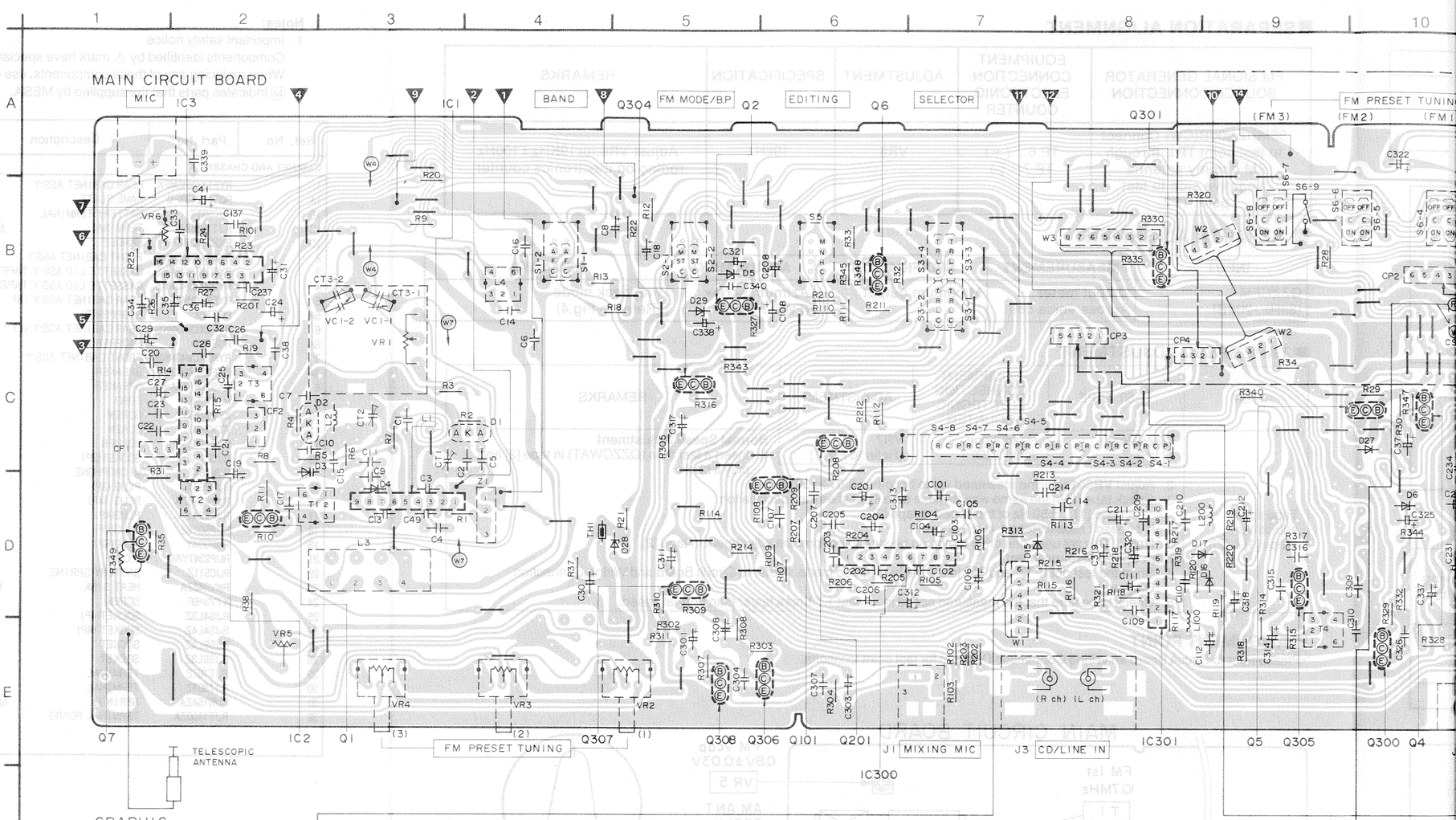
Notes:

1. S1-1, S1-2: Band select switch in "FM" position.
2. S2-1, S2-2: FM mode select/Beat proof switch in "STEREO/II" position. (1...STEREO/II, 2... MONO/I)
3. S3-1~S3-4: Function select switch in "TAPE/POWER OFF" position. (T...TAPE/POWER OFF, R...RADIO, L... CD /LINE)
4. S4-1~S4-8: Record/Playback select switch in "PLAYBACK" position. (P...PLAYBACK, R...RECORD)
5. S5: Editing mode select switch in "BUILT IN MIC" position. (M... BUILT IN MIC, N...NORMAL, H...HIGH)
6. S6-1~S6-9: FM preset tuning switch in "MANUAL" position. (S6-1, S6-2...MANUAL, S6-3, S6-4...FM1, S6-5, S6-6...FM2, S6-7, S6-8...FM3, S6-9...MANUAL/PRESET SELECT)
7. S7-1~S7-3: FWD/REV select switch in "FWD" position. (F...FWD, R...REV)
8. S8: TAPE 1 motor switch in "OFF" position.
9. S9: TAPE 2 motor switch in "OFF" position.
10. S10: AC/DC select switch in "DC" position.
11. VR1: Manual tuning VR.
12. VR2: FM preset tuning VR. (FM1)
13. VR3: FM preset tuning VR. (FM2)
14. VR4: FM preset tuning VR. (FM3)
15. VR5: F min adjustment VR.
16. VR6: FM VCO adjustment VR.
17. VR7: Tape speed adjustment VR.
18. VR100, VR200: Volume control VR.
19. VR102, VR202: Graphic equalizer VR. (100 Hz)
20. VR103, VR203: Graphic equalizer VR. (330 Hz)
21. VR104, VR204: Graphic equalizer VR. (1 kHz)
22. VR105, VR205: Graphic equalizer VR. (3.3 kHz)
23. VR106, VR206: Graphic equalizer VR. (10 kHz)
24. VR300: Balance control VR.
25. DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.
    < >...FM, ( )...AM
    No mark...Playback [ ]...Record [[ ]]...High Speed
26. Battery current: No signal ..... 99 mA
    Maximum output (radio) ..... 780 mA
    Maximum output (tape) ..... 1190 mA
27. Important safety notice
    Components identified by ⚠ mark have special characteristics imoportant for safety.
    When replacing any of these components, use only manufacturer's specified parts.
28. The mark (▼) shows test point e.g. ▼1 = test point 1.
29. The supply parts number is described alone in the replacement parts list.

•This schematic diagram may be modified at any time with the development of new technology.

⇨...FM Signal Line
⇨...Record Signal Line
⇨...Main (FM/Playback) Signal Line
→...+B Line
➡...Playback Signal Line
➡...V cap Voltage Line





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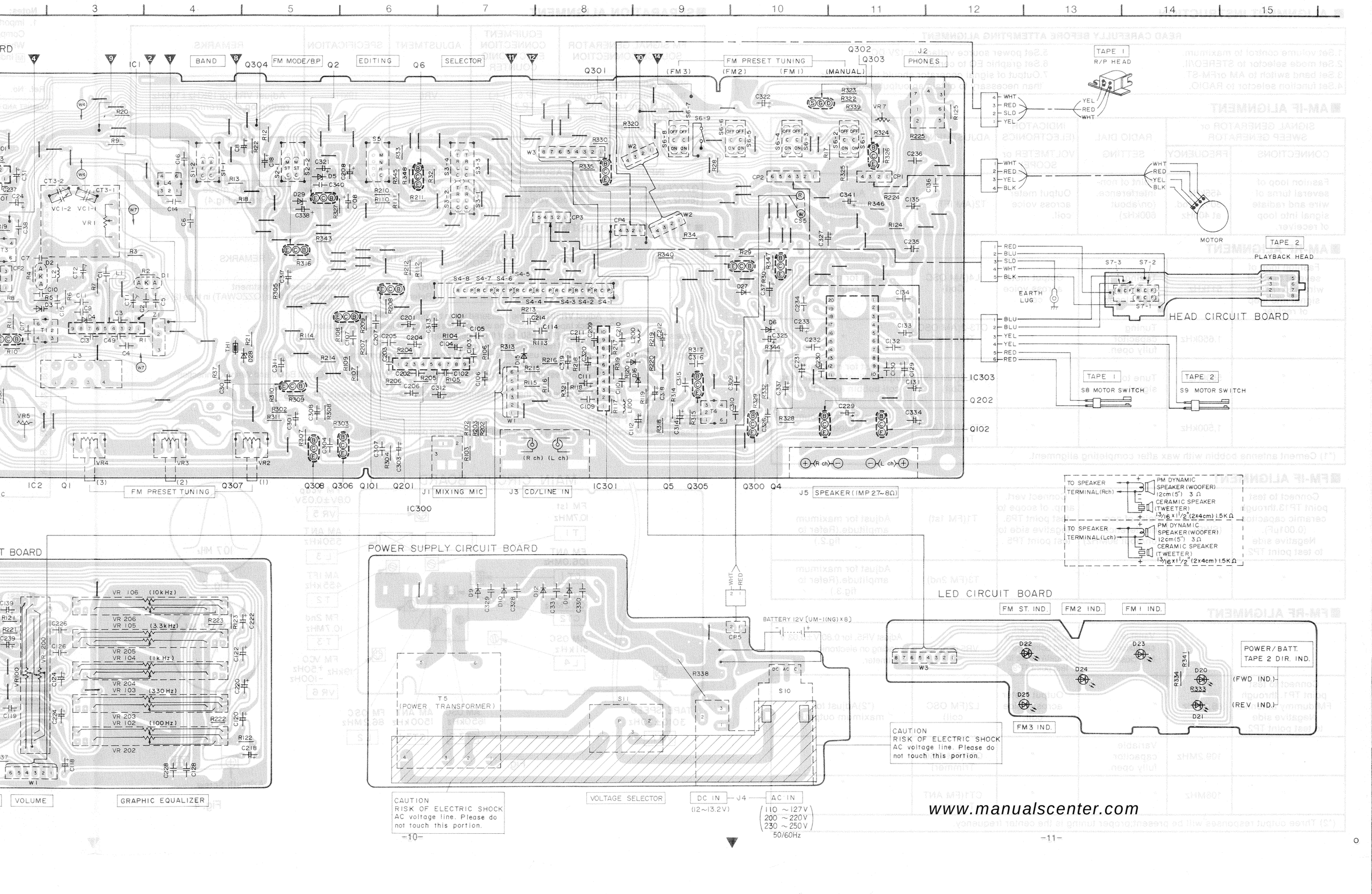
CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



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MEASUREMENTS AND ADJUSTMENTS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
1.Set volume control to maximum. 2.Set mode selector to STEREO/II. 3.Set band switch to AM orFM-ST. 4.Set function selector to RADIO.	5.Set power source voltage to 12V DC. 6.Set graphic EQ to center. 7.Output of signal generator should be no higher than necessary to obtain an outputerading.

■AM-IF ALIGNMENT

SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
CONNECTIONS	FREQUENCY				
Fashion loop of several turns of wire and radiate signal into loop of receiver.	455kHz 30% Mod. at 400Hz	Point of non-interference. (on/about 600kHz)	Output meter across voice coil.	T2(AM IFT)	Adjust for maximum output.

■AM-RF ALIGNMENT

Fashion loop of several turns of wire and radiate signal into loop of reciver.	511kHz	Tuning capacitor fully closed.	Output meter across voice coil.	L4(AM OSC Coil)	Adjust for maximum output.
〃	1,650kHz	Tuning capacitor fully open.	〃	CT3-2(AM OSC Trimmer)	〃
〃	550kHz	Tune to signal	〃	(*1)L3(AM ANT Coil)	Adjust for maximum output.Adjust L3 by moving coil bobbin along ferrite core.
〃	1,500kHz	〃	〃	CT3-1(AM ANT Trimmer)	Adjust for maximum output.
(*1) Cement antenna bobbin with wax after completing alignment.					

■FM-IF ALIGNMENT

Connect to test point TP13.through ceramic capacitor (0.001μF). Negative side to test point TP2.	10.7MHz (SWP)	Point of non-interference (on/abut 90MHz)	Connect vert. amp. of scope to test point TP3. Negative side to test point TP5 .	T1(FM 1st)	Adjust for maximum amplitude.(Refer to fig.2.)
〃	〃	〃	〃	T3(FM 2nd)	Adjust for maximum amplitude.(Refer to fig.3.)

■FM-RF ALIGNMENT

		Variable capacitor fully closed.	Connect vert. amp. of scope to test point TP8. Negative side to test point TP9.	VR5 (F min)	Adjust VR5, for 0.80 V±0.03 V reading on electronic voltmeter.
Connect to test point TP1. through FM dummy antenna. Negative side to test point TP2.	86.2MHz	〃	Output meter across voice coil.	L2(FM OSC coil)	(*2)Adjust for maximum output.
〃	109.2MHz	Variable capacitor fully open.	〃	CT2(FM OSC Trimmer)	〃
〃	106MHz	〃	〃	CT1(FM ANT Trimmer)	〃
(*2) Three output responses will be present;proper tuning is the center frequency.					

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■ SEPARATION ALIGNMENT

FM SIGNAL GENERATOR SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
98MHz,60dB(CW) Connect to test point TP1. through FM dummy antenna. Negative side to test point TP2.	TP 6....(+) TP 7....(-)	VR6	19kHz	Adjust VR6,for19KHz±100Hz reding on electronics counter.

■ AZIMUTH ALIGNMENT

INPUT	MEASUREMENT	SPCIFICATION	ADJUSTMENT	REMARKS
QZZCFM (8kHz,-20dB)	Output meter Across voice coil.	Maximum output	Azimuth screw (FWD,REV)	Playback mode (Refer to Fig.4)

■ TAPE SPEED ADJUSTMENT

ITEM	TEST TAPE	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	REMARKS
Tape speed adjustment (Tape [1] & [2])	QZZCWAT (3 kHz)	Headphone Jack (32Ω)	VR7 (Refer to Fig. 1)	**Normal Speed Adjustment** 1. Insert a test tape (QZZCWAT) in tape [2] and play it back. 2. Adjust **VR301** until the measured value becomes **3.010±30 Hz**. 3. Check tape [1] in the same way to make sure it satisfies the specificaiton. **Tape [1]**...**±50 Hz** of the speed of tape [2]. If it doesn't repeat steps 1 and 2 above. **Note:** This set uses one drive motor, so be sure to perform the adjustment in tape [2]. **High Speed Measurement** 4. Short the test point ⑩ and ⑭ to set the high speed mode. (Refer to Circuit Board and Wiring Connection Diagram) 5. Check to be sure that the measured speed is at least **1.7 times** faster than normal speed.

■ ALIGNMENT POINT

• Please refer to Circuit Board an Wiring Connection Diagram for test point locations.

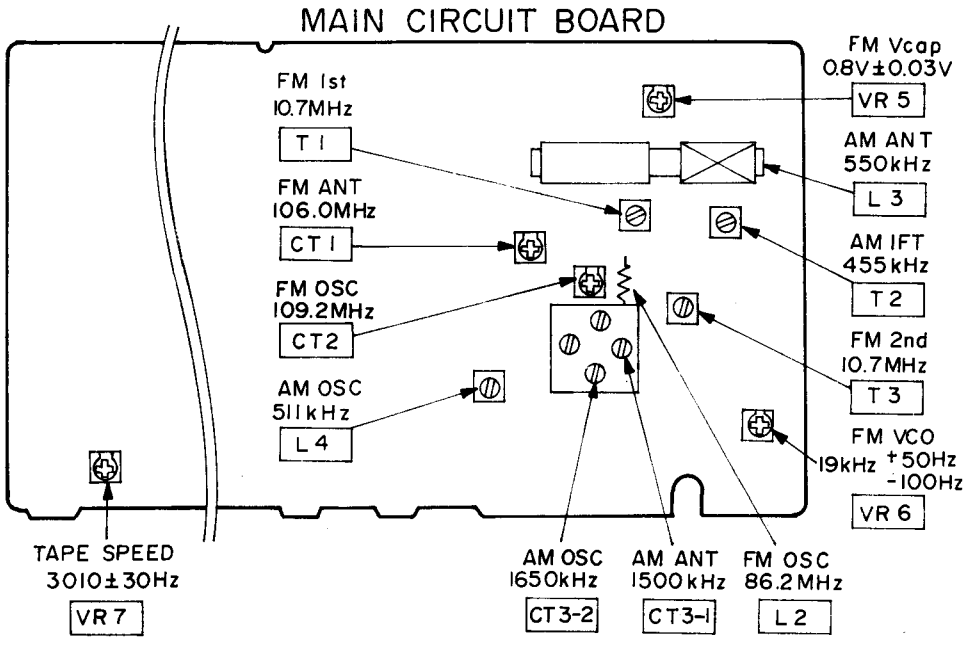

Fig. 1

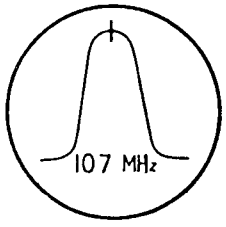

Fig. 2

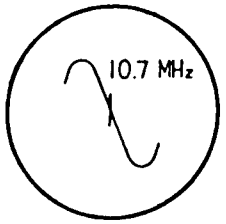

Fig. 3

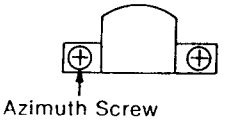

Fig. 4

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CABINET PARTS LIST

Notes:

1. Important safety notice
   Components identified by ⚠ mark have special characteristics important for safety.
   When replacing any of these components, use only manufacturer's specified parts.
2. [M] Indicates parts that the supplied by MESA.

Ref. No.	Part No.	Description
CABINET AND CHASSIS		
1	RYF1XCW43MFK	REAR CABINET ASS'Y
1A	RGT1324UA-0	NAME PLATE
1B	RJC931Z	BATTERY TERMINAL
1C	RJT1099ZA	TERMINAL [M]
1D	RKX356ZBB-0	HANDLE
2	RYM1XCW43MKS	FRONT CABINET ASS'Y [M]
3	RYQ1XCW43MKS	CASSETTE LID ASS'Y, TAPE1 [M]
4	RYQ2XCW43MKS	CASSETTE LID ASS'Y, TAPE2 [M]
5	RYF2XCW43MKS	REAR CABINET ASS'Y, (R) [M]
5A	RGE76X	STOPPER(R)
6	RYF3XCW43MKS	REAR CABINET ASS'Y, (L) [M]
6A	RGE76Y	STOPPER(L)
7	RYM2XCW43MKS	FRONT CABINET ASS'Y [M]
7A	RAF25E4M02-T	SPEAKER
8	RAS12P17ZA-F	SPEAKER
9	RJE175Y	CORD
10	XTV3+20G	SCREW
11	XTV3+8G	SCREW
12	RHR171Z	HOLDER
13	RJS2L3Z	SOCKET(2P)
14	RJM164Z	MICROPHONE
15	RJP2G4Y	PLUG (2P)
16	RJP4G18ZA	PLUG (4P)
17	RJP4G4Y	PLUG(4P)
18	RJP5G18Z	PLUG(5P)
19	RJP6G4Y	PLUG(6P)
21	RUP2347YAC	P.C.B
22	RJC511Z	BATTERY SPRING
23	RMY242ZA	HEAT SINK [M]
24	XTV3+8F	SCREW
25	RJS4L3Z	SOCKET(4P)
26	RJS4L4Z	SOCKET (4P)
27	RJS5L4Z	SOCKET
28	RJS6L3Z	SOCKET
29	RJT707Z	TERMINAL
30	RJT807Z	TERMINAL
31	RUW154ZA	SPRING [M]
32	RJT1100ZA	TERMINAL BOARD [M]

Ref. No.	Part No.	Description
33	RMD1151YAA	ANGLE [M]
34	XTS3+8J	SCREW
35	RDP343ZA-0	POINTER [M]
36	RYT9XCW43MKS	BUTTON ASS'Y, REVERSE [M]
37	RYT1XCW43MKS	BUTTON, PAUSE [M]
38	RYT2XCW43MKS	BUTTON, STOP/EJEC [M]
39	RYT3XCW43MKS	BUTTON, REW/REV [M]
40	RYT4XCW43MKS	BUTTON, FF/CUE [M]
41	RYT5XCW43MKS	BUTTON, PLAYBACK [M]
42	RYT6XCW43MKS	BUTTON, RECORD [M]
43	RYT2XCW43MKS	BUTTON, STOP/EJECT [M]
44	RYT3XCW43MKS	BUTTON, FAST/CUE [M]
45	RYT4XCW43MKS	BUTTON, FAST/CUE [M]
46	RYT7XCW43MKS	BUTTON, PLAYBACK [M]
47	RYT8XCW43MKS	BUTTON, DIRECTION [M]
48	RBT230ZAB-0	KNOB, TUNING [M]
49	WBB8CB15.5KK	FLAT CABLE
50	WBB6CB-29KK	FLAT CABLE
52	XEARR225DAY	TELESCOPIC ANTENNA
53	XYN3+F12FY	SCREW
54	RUS689Z	SPRING
55	RDG5782YC	GEAR [M]
56	RSE245ZA	COUNTER
57	RUB524ZA	LEVER [M]
58	RUV802ZA	COVER [M]
59	RMD2067ZA	ANGLE [M]
60	RMC1158ZA	SHIELD PLATE [M]
61	RMC1175ZA	SHIELD PLATE [M]
62	RDG5840Z	GEAR
63	RDV91ZA	BELT [M]
64	XYN26+C6	SCREW
65	XTV3+12G	SCREW
66	XTN3+40G	SCREW
67	RHG1042YAA	RUBBER SPACER [M]
68	RKK244Y	BATTERY COVER
69	RBC1267ZA-0	BUTTON, MANUAL [M]
70	RBD248YAA-0	KNOB, G.EQ [M]
71	RBD398YAA-0	KNOB, BAND ETC
72	RBD501ZA-0	KNOB, BALANCE [M]
73	RBD502ZA-0	KNOB, VOLUME [M]
75	RBC1267ZA-1	BUTTON, PRESET [M]

ACCESSARY AND PACKING PARTS LIST

Notes:

1. Importnat safety notice
   Components identified by ⚠ mark have special characteristics important for safety.
   When replacing any of these components, use only manufacturer's specified parts.
2. [M] Indicates parts the supplied by MESA.

Ref. No.	Part No.	Description
PACKING MATERIAL		
P2	RPN9565ZA	PAD
P3	RPK2540ZA	GIFT BOX [M]

Ref. No.	Part No.	Description
P4	RPH597ZA	PROTECTION BAG
ACCESSORIES		
A1	RQX5062YA	INSTRUCTION MANUAL [M]
A2 ⚠	QFC1081	POWER CORD

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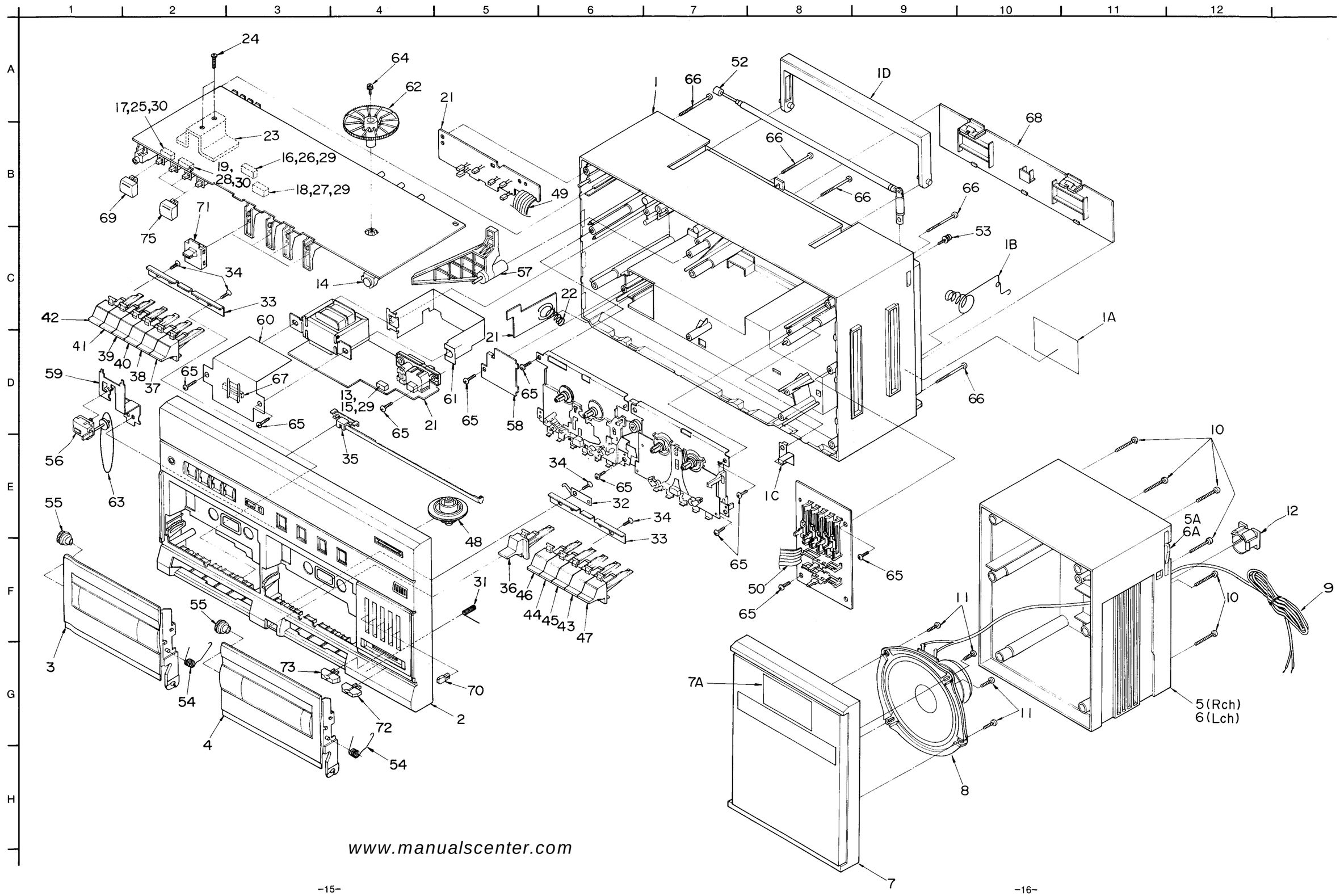
CABINET PARTS LOCATION



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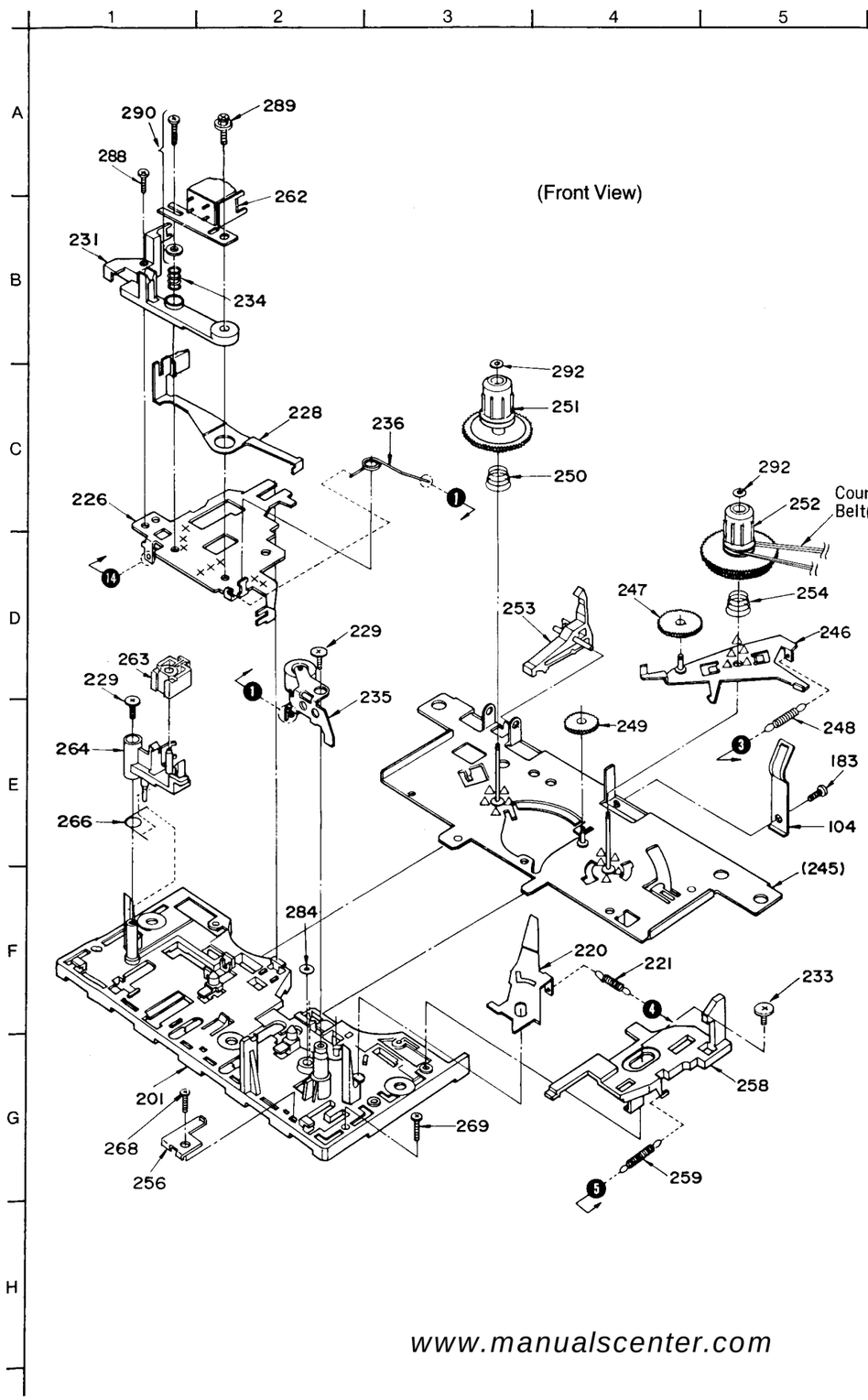
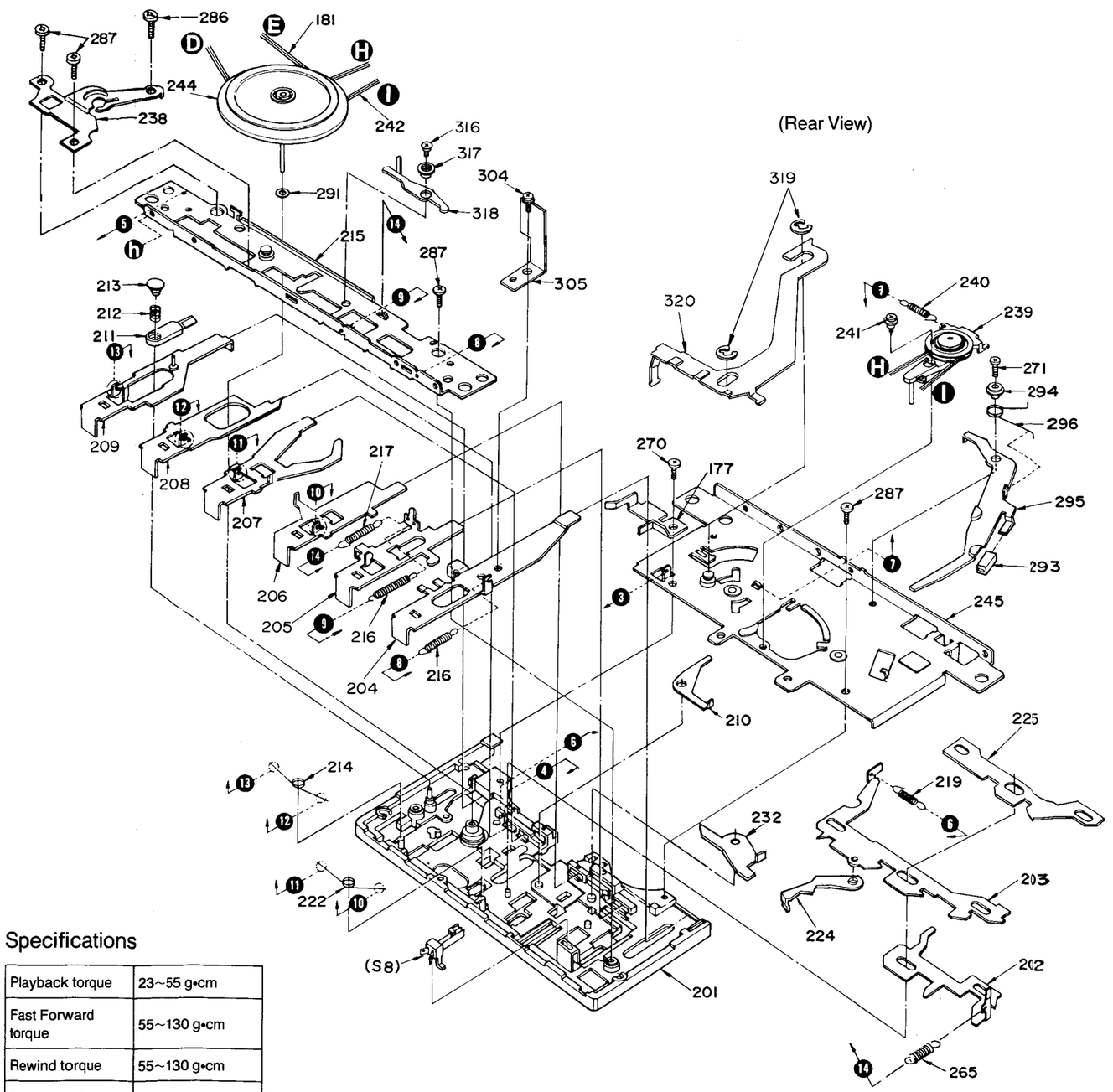
MECHANISM PARTS LOCATION TAPE 1 (For Recording and Playback)





Specifications

Playback torque	23~55 g•cm
Fast Forward torque	55~130 g•cm
Rewind torque	55~130 g•cm
Pressure of pressure roller	400±50 g
Wow and flutter	Less than 0.25% (WRMS)

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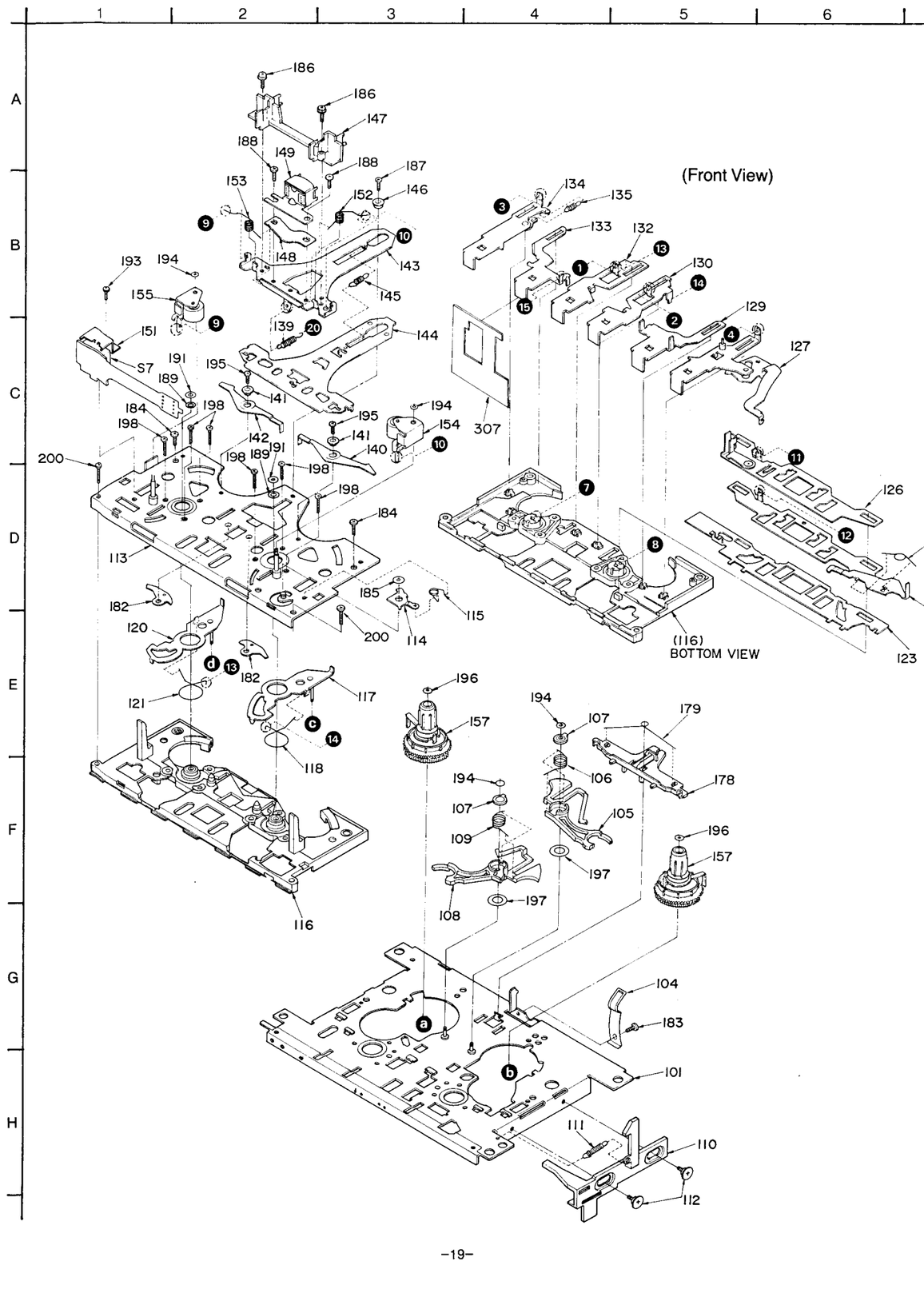
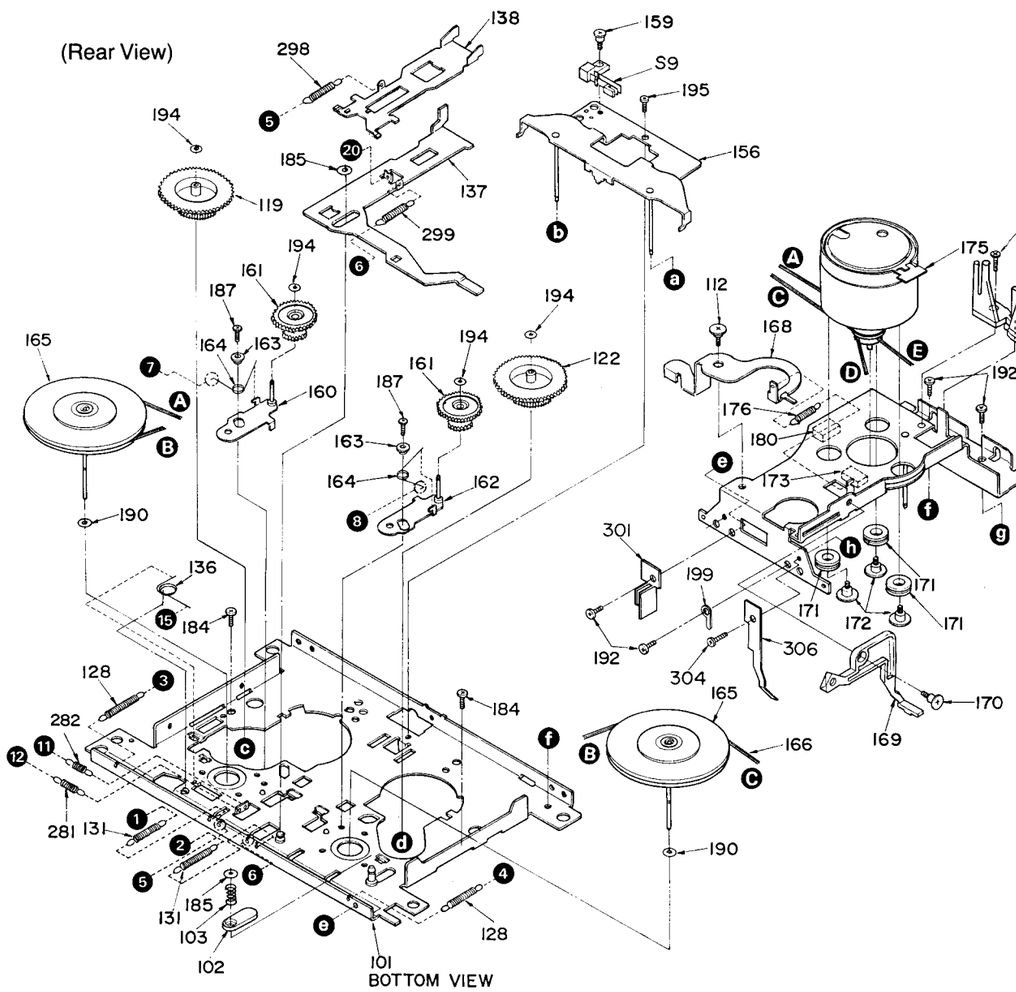
MECHANISM PARTS LOCATION TAPE 2 (For Auto-Reverse Playback)





Specifications

Playback torque	23~55 g•cm
Fast Forward torque	55~130 g•cm
Rewind torque	55~130 g•cm
Pressure of pressure roller	240±50 g
Wow and flutter	Less than 0.25% (WRMS)

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MECHANISM PARTS LIST

Notes:
1. [M] Indicates parts that are supplied by MESA.
2. **See page 17~20 regarding the illustrations.**

Ref. No.	Part No.	Description
MECHANISM		
CASSETTE DECK		
101	RFU128ZA	CHASSIS ASS'Y
102	RFY420Z	LEVER
103	RFS459Z	SPRING
104	RFS534Z	SPRING
105	RFY798ZA	LEVER
106	RFS724ZA	SPRING
107	RFX161ZA	STOPPER
108	RFY799ZA	LEVER
109	RFS725ZA	SPRING
110	RFY800ZA	LEVER
111	RFS726ZA	SPRING
112	RFE239Z	SCREW
113	RFU129ZA	SUB CHASSIS ASS'Y
114	RFY801ZA	ARM
115	RFS727ZA	SPRING
116	RFU130ZA	BUTTON BASE ASS'Y
117	RFY802ZA	LEVER
118	RFS728ZA	SPRING
119	RFG111ZA	GEAR
120	RFY803ZA	ARM ASS'Y
121	RFS729ZA	SPRING
122	RFG112ZA	GEAR
123	RFY804ZA	SLIDE PLATE
124	RFY805ZA	LEVER
125	RFS730ZA	SPRING
126	RFY806ZA	ROD
127	RFY827ZA	LEVER
128	RFS731ZA	SPRING
129	RFY828ZA	LEVER
130	RFY829ZA	LEVER
131	RFS732ZA	SPRING
132	RFY830ZA	LEVER
133	RFY831ZA	LEVER
134	RFY832ZA	LEVER
135	RFS733ZA	SPRING
136	RFS734ZA	SPRING
137	RFY813ZA	RELAY PLATE
138	RFY814ZA	PLATE
139	RFS735ZA	SPRING
140	RFY815ZA	ARM
141	RFX162ZA	COLLAR
142	RFY816ZA	ARM
143	RFY817ZA	HEAD PANEL
144	RFY818ZA	R.C PLATE
145	RFS736ZA	SPRING
146	RFX163ZA	COLLAR
147	RFE417ZA	GUIDE
148	RFS737ZA	SPRING
149	1JH0028ZA	HEAD ASSY
151	RFD334ZA	ANGLE
152	RFS751ZA	SPRING
153	RFS752ZA	SPRING
154	RFR46ZA	PINCH ROLLER
155	RFR47ZA	PINCH ROLLER
156	RFU131ZA	REEL PLATE ASS'Y
157	RFJ77ZA	REEL TABLE
160	RFY819ZA	ARM ASS'Y
161	RFG113ZA	GEAR
162	RFY820ZA	ARM ASS'Y
163	RFX164ZA	COLLAR
164	RFS740ZA	SPRING
165	RFF56ZA	FLYWHEEL ASS'Y
166	RFB90ZA	BELT
167	RFD335ZA	ANGLE
168	RFY821ZA	LEVER
169	RFY582Z	LEVER
170	RFE419ZA	SCREW
171	RFI38Z	RUBBER
172	RFE213Z	SCREW
173	RFI49ZA	CUSHION
175	RFM127ZA	MOTOR ASS'Y [M]
176	RFS741ZA	SPRING
177	RFD232Z	ANGLE
178	RFY822ZA	PLATE
179	RFS743ZA	SPRING
180	FI50ZA	CUSHION
181	RFB93ZA	BELT
182	RFY823ZA	ARM
183	RFE420ZA	SCREW
184	RFE222Z	SCREW
185	RFN134Z	SCREW
186	RFE422ZA	SCREW
187	RFE423ZA	SCREW
188	RFE431ZA	SCREW
189	RFN122Z	WASHER
190	RFN136Z	WASHER
191	RFN182ZA	WASHER
192	RFE425ZA	SCREW
193	RFE421ZA	SCREW
194	RFN133Z	WASHER
195	RFE426ZA	SCREW
196	RFN139Z	WASHER
197	RFN183ZA	WASHER
198	RFE427ZA	SCREW
199	RFE228Z	TERMINAL, LUG
200	RFE428ZA	SCREW
201	RFU61YA	MAIN BASE PLATE ASS'Y
202	RFY541Z	LEVER
203	RFY764ZA	LEVER
204	RFY594Z	LEVER
205	RFY595Z	LEVER
206	RFY597Z	LEVER
207	RFY596Z	LEVER
208	RFY833ZA	LEVER
209	RFY621Z	LEVER
210	RFY548Z	LEVER
211	RFY825ZA	LEVER
212	RFS459Z	SPRING
213	RFX122Z	STOPPER
214	RFS462Z	SPRING
215	RFU62Z	SUB CHASSIS
216	RFS463Z	SPRING
217	RFS506Z	SPRING
218	RFS572Z	SPRING
219	RFS464ZA	SPRING
220	RFY549Z	LEVER
221	RFS453Z	SPRING
222	RFS561Z	SPRING
224	RFY591Z	LEVER
225	RFY622Z	RF ACTUATOR
226	RFU142ZA	HEAD PANEL
228	RFY626Z	DETECT PLATE ASS'Y
229	RFE245Z	SCREW
230	RFS745ZA	SPRING
231	RFU39Z	HEAD BASE
232	RFX101Z	PR STOPPER
233	RFE255Z	SCREW
234	RFS447Z	SPRING
235	RFR48ZA	PINCH ROLLER ASS'Y
236	RFS746ZA	SPRING
238	RFE279Z	METAL GUIDE
239	RFQ47Z	PULLEY ARM ASS'YY
240	RFS532Z	SPRING
241	RFE281Z	SCREW
242	RFB62Z	BELT
244	RFF55ZA	WHEEL
245	RFU132ZA	REEL PLATE ASS'Y
246	RFY826ZA	PLATE ASS'Y
247	RFG109ZA	GEAR
248	RFS450Z	SPRING
249	RFG110ZA	GEAR
250	RFS723ZA	SPRING
251	RFJ62Z	REEL TABLE ASS'Y
252	RFJ78ZA	REEL TABLE ASS'Y
253	RFY716Z	LEVER
254	RFS707ZA	SPRING
256	RFD298ZA	BRACKET, DETECTOR
258	RFY415Z	SLIDE LEVER
259	RFS454Z	SPRING
262	RJH2E9Y	R/P HEAD
263	RJH2C12XZ	E.HEAD
264	RFY397Z	ARM
265	RFS567Z	SPRING
266	RFS535Z	SPRING
268	RFE321Z	SCREW
269	RFE232Z	SCREW
270	RFE222Z	SCREW
271	RFE221Z	SCREW
281	RFS747ZA	SPRING
282	RFS748ZA	SPRING
284	RFN123Z	WASHER
286	RFE425ZA	SCREW
287	RFE416ZA	SCREW
288	XSN2+6	SCREW
289	RFE89Z	SCREW
290	RFE230Z	SCREW
291	RFN169Z	WASHER
292	RFN171ZA	WASHER
293	RFI37Z	RUBBER
294	RFX138Z	COLLAR
295	RFY717Z	LEVER
296	RFS749ZA	SPRING
298	RFS731ZA	SPRING
299	RFS750ZA	SPRING
301	RHR1360ZA	HOLDER
302	RHR183ZA	HOLDER [M]
303	XTN2+4F	SCREW
304	XYN2+C3	SCREW
305	RUS737ZAA	SPRING
306	RJT1120ZA	TERMINAL
307	RMC1190ZA	SHIELD PLATE
316	RFE93Z	SCREW
317	RFX130Z	COLLAR
318	RFY834ZA	LEVER
319	XUC2	E RING
320	RFY573Z	LEVER

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RESISTOR AND CAPACITOR PARTS LIST

Notes : * Important safety notice :
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
* Bracketed indications in Ref. No. columns specify the area. (Refer to the first page for area.)
Parts without these indications can be used for all areas.

Numbering System of Resistor

Example:

ERD	25	F	J	102
Type	Wattage (1/4W)	Shape	Tolerance	Value (1KΩ)
ERX	2	AN	J	471
Type	Wattage (2W)	Shape	Tolerance	Value (470Ω)

Numbering System of Capacitor

Example:

ECKD	1H	102	Z	F
Type	Voltage (50V)	Value (0.001μF)	Tolerance	Peculiarity
ECEA	50	M	330	
Type	Voltage (50V)	Pecliarity	Value (33μF)	

● Capacity are in microfarads (μF) unless specified otherwise, P = Pico-farads (pF) F = Farads (F).
● Resistance are in ohms (Ω), unless specified otherwise, 1K = 1,000Ω, 1M = 1,000kΩ

Resistor Type		Wattage		Tolerance
ERD	: Carbon	10 : 1/8W	12 : 1/2W	J : ±5%
ERG	: Metal Oxide	14 : 1/4W	25 : 1/4W	F : ±1%
ERQ	: Fuse Type Metal	1A : 1W	18 : 1/8W	G : ±2%
ERX	: Metal Film	S2 : 1/4W	S1 : 1/2W	J : ±5%
ERD L	: Carbon (chip)	2F : 1/4W	50 : 1/2W	K : ±10%
ERO K	: Metal Film (chip)	2A : 2W	3A : 3W	M : ±20%
ERC	: Solid	6G : 1/10W	8G : 1/8W	
ERF	: Incombustible Box-Shaped			
ERM	: Wire-Wound			
RRJ	: Cip Resistor			
ERJ	: Cip Resistor			

Capacitor Type		Voltage		Tolerance
ECE	: Electrolytic	0J : 6.3V	1A : 10V	K : ±10%
ECCD	: Ceramic	1C : 16V	1E : 25V	M : ±20%
ECKD	: Ceramic Capacitor	1H : 50V	1V : 35V	Z : +80 % −20
ECQM	: Poyester	50 : 50V	05 : 50V	J : ±5%
ECQP	: Polypropylene	2H : 500V	2A : 100V	G : ±2%
ECG	: Ceramic	1 : 100V	1J : 63V	F : ±1%
ECEA N	: Non Polar Electrolytic	KC : 400V AC		C : ±0.25pF
QCU	: Ceramic (Chip Type)	KC : 125V AC (UL)		D : ±0.5pF
ECUX	: Ceramic (Chip Type)			
ECF	: Semiconductor			
EECW	: Liquid electrolyte double layer capacitor			

Ref. No.	Part No.	Value.
RESISTORS(VALUE,WATTAGE)		
R1	ERDS2TJ220T	22 1/4
R2	ERDS2TJ104	100K 1/4
R3	ERDS2TJ104	100K 1/4
R4	ERDS2TJ104	100K 1/4
R5	ERDS2TJ104	100K 1/4
R6	ERDS2TJ100	10 1/4
R7	ERDS2TJ101	100 1/4
R8	ERDS2TJ474	470K 1/4
R9	ERDS2TJ101	100 1/4
R10	ERDS2TJ824	820K 1/4
R11	ERDS2TJ331	330 1/4
R12	ERDS2TJ104	100K 1/4
R13	ERDS2TJ470	47 1/4
R14	ERDS2TJ474	470K 1/4
R15	ERDS2TJ392	3.9K 1/4
R17	ERDS2TJ561	560 1/4
R18	ERDS2TJ332	3.3K 1/4
R19	ERDS2TJ682	6.8K 1/4
R20	ERDS2TJ470	47 1/4
R21	ERDS2TJ470	47 1/4
R22	ERDS2TJ222	2.2K 1/4
R23	ERDS2TJ561	560 1/4
R24	ERDS2TJ821	820 1/4
R25	ERDS2TJ822	8.2K 1/4
R26	ERDS2TJ102	1K 1/4
R27	ERDS2TJ104	100K 1/4
R28	ERDS2TJ472	4.7K 1/4
R29	ERDS2TJ103	10K 1/4
R30	ERDS2TJ103	10K 1/4
R31	ERDS2TJ470	47 1/4
R32	ERDS2TJ472	4.7K 1/4
R33	ERDS2TJ153	15K 1/4
R34	ERDS2TJ472	4.7K 1/4
R35	ERDS2TJ472	4.7K 1/4
R37	ERDS2TJ222	2.2K 1/4
R38	RRSA36J182TH	1.8K
R101	ERDS2TJ682	6.8K 1/4
R102	ERDS2TJ473	47K 1/4
R103	ERDS2TJ153	15K 1/4
R104	ERDS2TJ220T	22 1/4
R105	ERDS2TJ823	82K 1/4
R106	ERDS2TJ392	3.9K 1/4
R107	ERDS2TJ103	10K 1/4
R108	ERDS2TJ272	2.7K 1/4
R109	ERDS2TJ104	100K 1/4
R110	ERDS2TJ153	15K 1/4
R111	ERDS2TJ104	100K 1/4
R112	ERDS2TJ562	5.6K 1/4
R113	ERDS2TJ153	15K 1/4
R114	ERDS2TJ123	12K 1/4
R115	ERDS2TJ223	22K 1/4
R116	ERDS2TJ182	1.8K 1/4
R117	ERDS2TJ221	220 1/4
R118	ERDS2TJ471	470 1/4
R119	ERDS2TJ472	4.7K 1/4
R120	ERDS2TJ472	4.7K 1/4
R121	ERDS2TJ822	8.2K 1/4
R122	ERDS2TJ103	10K 1/4
R123	ERDS2TJ471	470 1/4
R124	ERDS2TJ2R2	2.2 1/4
R125	ERDS2TJ121	120 1/4
R201	ERDS2TJ682	6.8K 1/4
R202	ERDS2TJ473	47K 1/4
R203	ERDS2TJ153	15K 1/4
R204	ERDS2TJ220T	22 1/4
R205	ERDS2TJ823	82K 1/4
R206	ERDS2TJ392	3.9K 1/4
R207	ERDS2TJ103	10K 1/4
R208	ERDS2TJ272	2.7K 1/4
R209	ERDS2TJ104	100K 1/4
R210	ERDS2TJ153	15K 1/4
R211	ERDS2TJ104	100K 1/4
R212	ERDS2TJ562	5.6K 1/4
R213	ERDS2TJ153	15K 1/4
R214	ERDS2TJ123	12K 1/4
R215	ERDS2TJ223	22K 1/4
R216	ERDS2TJ182	1.8K 1/4
R217	ERDS2TJ221	220 1/4
R218	ERDS2TJ471	470 1/4
R219	ERDS2TJ472	4.7K 1/4
R220	ERDS2TJ472	4.7K 1/4
R221	ERDS2TJ822	8.2K 1/4
R222	ERDS2TJ103	10K 1/4
R223	ERDS2TJ471	470 1/4
R224	ERDS2TJ2R2	2.2 1/4
R225	ERDS2TJ121	120 1/4
R302	ERDS2TJ222	2.2K 1/4
R303	ERDS2TJ224	220K 1/4
R304	ERDS2TJ680	68 1/4
R305	ERDS2TJ392	3.9K 1/4
R307	ERDS2TJ330	33 1/4
R308	ERDS2TJ152	1.5K 1/4
R309	ERDS2TJ824	820K 1/4
R310	ERDS2TJ472	4.7K 1/4
R311	ERDS2TJ103	10K 1/4
R313	ERDS2TJ221	220 1/4
R314	ERDS2TJ101	100 1/4
R315	ERDS2TJ6R8T	6.8 1/4
R316	ERDS2TJ104	100K 1/4
R317	ERDS2TJ223	22K 1/4
R318	ERDS2TJ681	680 1/4
R319	ERDS2TJ105	1M 1/4
R320	ERDS2TJ472	4.7K 1/4
R321	ERDS2TJ101	100 1/4
R322	ERDS2TJ153	15K 1/4
R323	ERDS2TJ103	10K 1/4
R324	ERDS2TJ822	8.2K 1/4
R325	ERDS2TJ102	1K 1/4
R326	ERDS2TJ105	1M 1/4
R327	ERDS2TJ222	2.2K 1/4
R328	ERDS2TJ222	2.2K 1/4
R329	ERDS2TJ101	100 1/4
R330	ERDS2TJ103	10K 1/4
R332	ERDS2TJ471	470 1/4
R333	ERDS2TJ181	180 1/4
R334	ERDS2TJ181	180 1/4
R335	ERDS2TJ331	330 1/4
R337	ERDS2TJ271	270 1/4
R338	ERX1ANJPR47	0.47 1
R339	ERDS2TJ153	15K 1/4
R340	ERDS2TJ150T	15 1/4
R341	ERDS2TJ331	330 1/4
R343	ERDS2TJ472	4.7K 1/4
R344	ERDS2TJ222	2.2K 1/4

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Ref. No.	Part No.	Value.
R345	ERDS2TJ103	10K 1/4
R346	ERX1ANJ1R0	1
R347	ERDS2TJ473	47K 1/4
R348	ERDS2TJ473	47K 1/4
R349	ERDS2TJ104	100K 1/4
CAPACITORS(VALUE,VOLTAGE)		
C1	RCBS1H102KB	0.001 50
C2	ECCT1H100KC	10P 50
C3	RCBS1H102KB	0.001 50
C4	ECCT1H040CC	4P 50
C5	ECCD1H331K	330P 50
C6	ECFT1C223MD	0.022 16
C7	RCBS1H102KB	0.001 50
C8	ECEA50ZR47E	0.47 50
C9	ECCT1H180KC	18P 50
C10	ECCT1H221JU	220P 50
C11	ECCD1H470KC	47P 50
C13	RCBS1H102KB	0.001 50
C14	ECCT1H050C	5P 50
C15	ECCT1H120KC	12P 50
C16	ECFT1C223MD	0.022 16
C17	ECKD1H103ZF	0.01 50
C18	ECEA50ZR47E	0.47 50
C19	ECEA1HU2R2	2.2 50
C20	ECFV1E473MD	0.047 25
C21	ECFT1C223MD	0.022 16
C22	ECFT1C223MD	0.022 16
C23	ECCD1H331K	330P 50
C24	ECEA0JU221	220 6.3
C25	ECFT1C103MD	0.01 16
C26	ECFT1C223MD	0.022 16
C27	ECEA0JU470	47 6.3
C28	ECFT1C103MD	0.01 16
C29	ECEA1HU2R2	2.2 50
C30	ECEA0JU101B	100 6.3
C31	ECEA0JU101B	100 6.3
C32	RCBS1C103MYY	0.01 16
C33	ECQP2A102JZT	0.001 100
C34	ECEA50ZR47E	0.47 50
C35	ECEA50ZR47E	0.47 50
C36	ECEA1HU2R2	2.2 50
C37	ECEA0JU330	33 6.3
C38	ECFT1C223MD	0.022 16
C41	ECEA1HU2R2	2.2 50
C49	RCBS1H102KB	0.001 50
C101	ECEA1HU010	1 50
C102	RCBC1H681KBY	680P 50
C103	RCBS1H471KB	470P 50
C104	ECEA0JU101B	100 6.3
C105	ECFD1C333KDY	0.033 16

Ref. No.	Part No.	Value.
C106	ECEA1HU010	1 50
C107	ECFD1C153KD	0.015 16
C108	ECEA1HU010	1 50
C109	RCBS1H471KB	470P 50
C110	ECFD1C223KD	0.022 16
C111	ECEA0JU330	33 6.3
C112	ECEA1HU010	1 50
C114	ECKF1H102KB	0.001 50
C116	ECEA1HU010	1 50
C117	RCBS1H102KB	0.001 50
C118	ECEA1CU100	10 16
C119	ECEA1HUR33	0.33 50
C120	ECEA1HU010	1 50
C121	ECFV1E473MD	0.047 25
C122	ECEA1HUR33	0.33 50
C123	ECFT1C103MD	0.01 16
C124	ECEA1HU0R1	0.1 50
C125	RCBC1C332MXY	0.0033 16
C126	ECFV1E473MD	0.047 25
C127	RCBS1H102KB	0.001 50
C128	ECFT1C223MD	0.022 16
C129	ECEA1HU010	1 50
C130	ECKF1H102KB	0.001 50
C131	ECEA1AU221	220 10
C132	RCBS1H100JC	10P 50
C133	ECEA1EU101	100 25
C134	ECFV1E473MD	0.047 25
C135	ECEA1CSZ102	1000 16
C136	ECFV1E683MD	0.068 25
C137	ECFT1C153MD	0.015 16
C139	ECEA1HU0R1	0.1 50
C201	ECEA1HU010	1 50
C202	RCBC1H681KBY	680P 50
C203	RCBS1H471KB	470P 50
C204	ECEA0JU101B	100 6.3
C205	ECFD1C333KDY	0.033 16
C206	ECEA1HU010	1 50
C207	ECFD1C153KD	0.015 16
C208	ECEA1HU010	1 50
C209	RCBS1H471KB	470P 50
C210	ECFD1C223KD	0.022 16
C211	ECEA0JU330	33 6.3
C212	ECEA1HU010	1 50
C214	ECKF1H102KB	0.001 50
C216	ECEA1HU010	1 50
C217	RCBS1H102KB	0.001 50
C218	ECEA1CU100	10 16
C219	ECEA1HUR33	0.33 50
C220	ECEA1HU010	1 50
C221	ECFV1E473MD	0.047 25

Ref. No.	Part No.	Value.
C222	ECEA1HUR33	0.33 50
C223	ECFT1C103MD	0.01 16
C224	ECEA1HU0R1	0.1 50
C225	RCBC1C332MXY	0.0033 16
C226	ECFV1E473MD	0.047 25
C227	RCBS1H102KB	0.001 50
C228	ECFT1C223MD	0.022 16
C229	ECEA1HU010	1 50
C230	RCBS1H102KB	0.001 50
C231	ECEA1AU221	220 10
C232	RCBS1H100JC	10P 50
C233	ECEA1EU101	100 25
C234	ECFV1E473MD	0.047 25
C235	ECEA1CSZ102	1000 16
C236	ECFV1E683MD	0.068 25
C237	ECFT1C153MD	0.015 16
C239	ECEA1HU0R1	0.1 50
C301	ECEA1HU0R1	0.1 50
C303	ECEA1HU0R1	0.1 50
C304	ECKF1H102KB	0.001 50
C307	ECFT1C223MD	0.022 16
C308	ECEA1HU010	1 50
C309	ECCT1H181K	180P 50
C310	ECQS2B272KZ	0.0027
C311	ECEA1EU4R7	4.7 25
C312	ECEA1AU102	1000 10
C312	ECEA1AU102	1000 10
C313	ECEA0JU330	33 6.3
C314	ECEA1CV221SE	220 16
C315	ECFT1C223MD	0.022 16
C316	ECFT1C103MD	0.01 16
C317	ECEA1CU100	10 16
C318	ECEA1CU100	10 16
C319	ECEA1CU100	10 16
C320	ECEA1AU101	100 10
C321	ECEA1AU101	100 10
C322	ECEA1CU330	33 16
C325	ECEA1AU221	220 10
C326	ECKD1H103ZF	0.01 50
C327	ECEA1EU222	2200 25
C328	ECKD1H103ZF	0.01 50
C329	ECKD1H103ZF	0.01 50
C330	ECKD1H103ZF	0.01 50
C331	ECKD1H103ZF	0.01 50
C334	ECEA1EU471E	470 25
C336	ECEA1AU471	470 10
C337	ECEA1CU100	10 16
C338	ECEA0JU101B	100 6.3
C339	ECCD1H470KC	47P 50
C340	ECKD1H103ZF	0.01 50
C341	ECEA1EF470	47 25
C341	ECEA1EF470	47 25

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