ORDER NO. MD8905019C2

Service Manual

Radio Cassette

RX-FT550

Stereo Radio Cassette Recorder

Color

(K) ..... Black Type

Area

Country Code	Areas	Color
(E)	Continental Europe	(K)
(EB)	Great Britain	
(EG)	F.R. Germany & Italy	

RX-FW29L MECHANISM SERIES

■ SPECIFICATIONS

General:

Power Requirement:	AC; (E) (EG) . . 220 V, 50 Hz (EB) . . . . . 240 V, 50 Hz Battery; 9 V (Six UM-1 "R20/LR20" Batteries)
Power Consumption:	16 W (AC only)
Power Output:	8 W (4 W×2)...RMS (max.) 20 W (10 W×2)...PMPO 10 W (5 W×2)...MPO
Speaker:	Woofer; 10 cm PM Dynamic Speaker (2.7Ω) Tweeter; CERAMIC Speaker 1.5 cm
Jacks:	
Input;	CD/LINE IN; 398 mV, 47 kΩ
Output;	HEADPHONES; 32Ω, ∅3.5
Dimensions:	556 (W)×150 (H)×146 (D) mm
Weight:	3 kg without batteries

Radio Section:

Radio Frequency Range:	FM; 87.5~108 MHz LW; 148.5~285 kHZ MW; 520~1610 kHz SW; 5.9~18 MHz
Intermediate Frequency:	FM; 10.7 MHz AM; 459 kHz
Sensitivity:	FM; 2.2 μV/50 mW output (−3 dB Limit Sens.) LW; 200 μV/m/50 mW output MW; 200 μV/m/50 mW output SW; 5.6 μV/50 mW output

Tape Deck Section:	**TAPE 1**
Frequency Response:	50~12,000 Hz
Tape Speed:	4.8 cm/s
Track System:	4-track 2-channel stereo playback

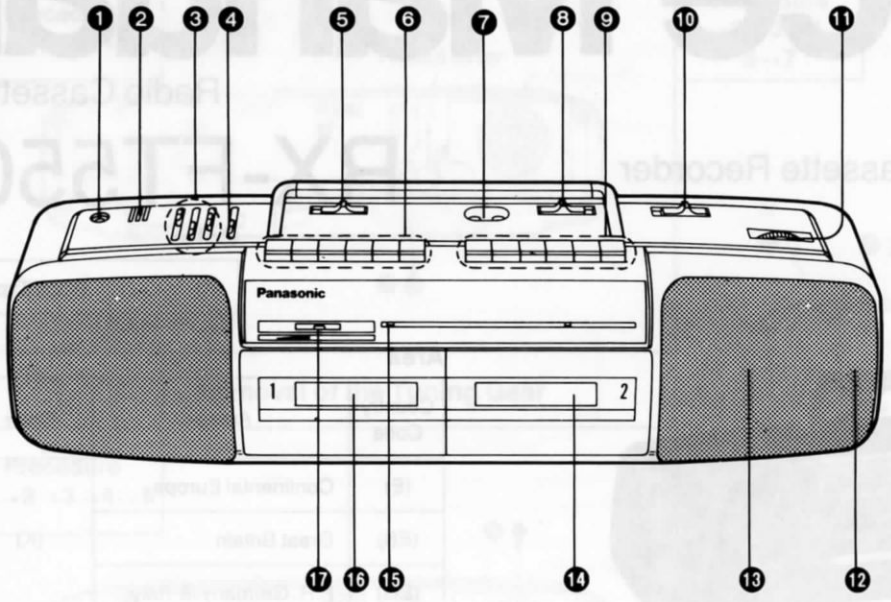
Tape Deck Section:	**TAPE 2**
Frequency Response:	50~13,000 Hz
Recording System:	AC bias, Magnet erase
Tape Speed:	4.8 cm/s
Track System:	4-track 2-channel stereo recording and playback

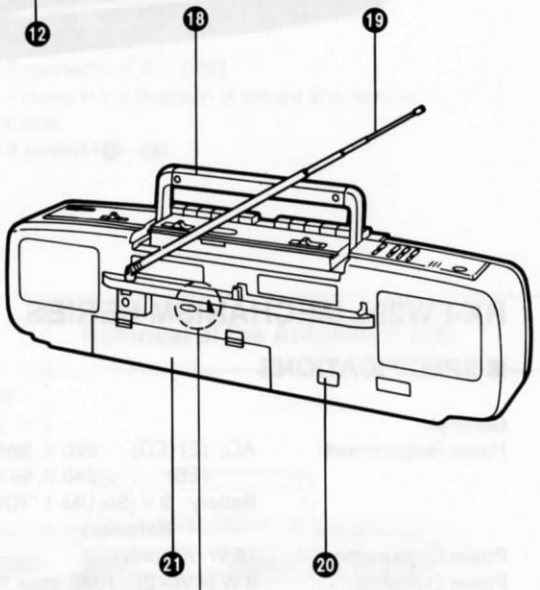
Design and specifications are subject to change without notice.

Panasonic

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

LOCATION OF CONTROLS





❶ **Headphones Jack (PHONES) (∅3.5, 32Ω)**

> Speakers automatically cut off when headphones are connected.

When using the headphones, avoid listening to sound for a long period of time and avoid excessive volume levels, which may injure your ears.

❷ **Built-in Microphone (MIC)**
❸ **Graphic Equalizer Controls (GRAPHIC EQUALIZER)**
❹ **Volume Control (VOLUME)**
❺ **Function Selector (SELECTOR)**

❻ **Tape 1 (For Playback)**

- **Direction Button (◀•▶ DIR)**
- **Stop/Eject Button (⏏ STOP/EJECT)**
- **Fast Buttons (◀◀ —FAST— ▶▶)**
- **Playback Button (◀▶ PLAY)**
- **Tape 1 Reverse Mode Selector (REV MODE)**

❼ **CD/Line Input Jacks (CD /LINE IN) (398 mV, 47 kΩ)**
❽ **Editing/FM Mode Selector/Beat Proof Switch (EDITING/FM MODE/B.P)**

❾ **TAPE 2 (For Recording and Playback)**

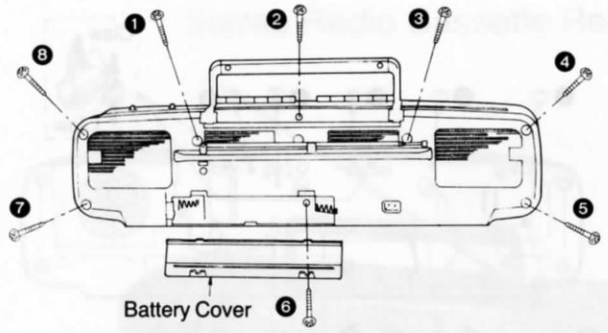
- **Pause Button (❚❚ PAUSE)**
- **Stop/Eject Button (⏏ STOP/EJECT)**
- **Fast Forward Button (◀◀ FF)**
- **Rewind Button (▶▶ REW)**
- **Playback Button (◀ PLAY)**
- **Record Button (● RECORD)**

> When the tape is caught in the pinch roller, etc. Release the tape by turning the pulley on the motor with the screwdriver in the direction of the arrow.

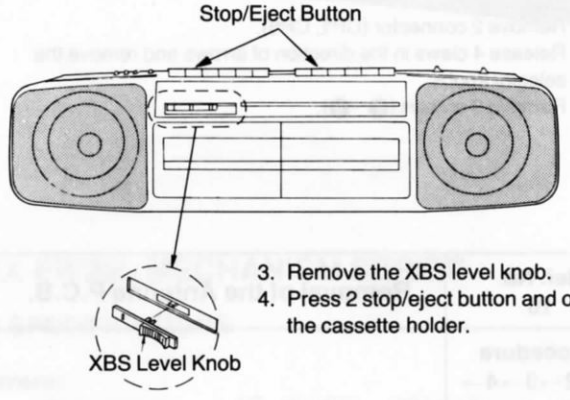
❿ **Band Selector (BAND)**
⓫ **Tuning Control (TUNING)**
⓬ **Speakers (Tweeter) (1.5 cm)**
⓭ **Speakers (Woofer) (10 cm, 2.7Ω)**
⓮ **Tape 2 Cassette Compartment**
⓯ **FM Stereo Indicator (FM STEREO)**
⓰ **Tape 1 Cassette Compartment**
⓱ **XBS Level Control (XBS LEVEL)**
⓲ **Handle**
⓳ **Telescopic Antenna**
⓴ **AC Socket (AC IN~)**
㉑ **Battery Compartment**

DISASSEMBLY INSTRUCTIONS

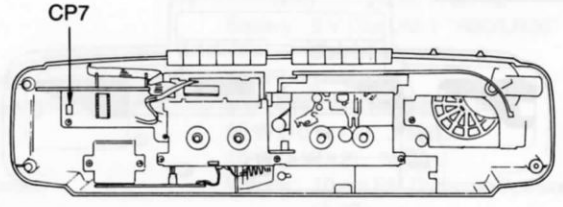
Ref. No. 1	Removal of the Front Cabinet
Procedure 1	



1. Remove the battery cover.
2. Remove 8 screws (❶~❽).



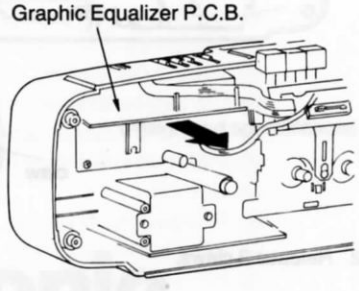
3. Remove the XBS level knob.
4. Press 2 stop/eject button and open the cassette holder.



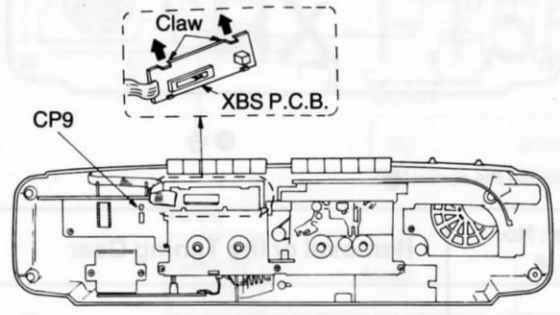
5. Remove the connector (CP7).

Ref. No. 5	Removal of the Graphic Equalizer P.C.B.
Procedure 1→2→5	

•Remove the graphic equalizer P.C.B. in the direction of arrow.

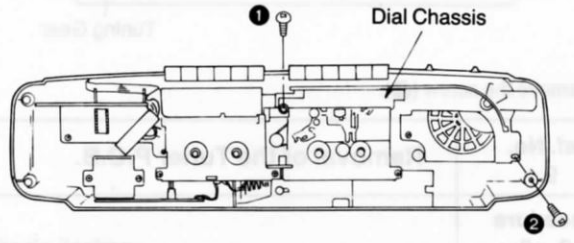


Ref. No. 2	Removal of the XBS P.C.B.
Procedure 1→2	



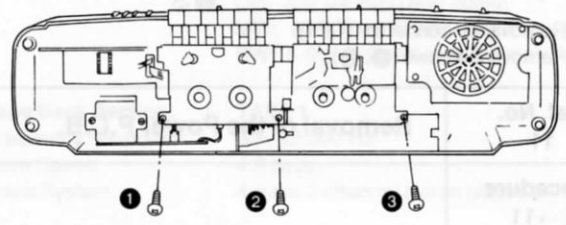
1. Release 2 claws in the direction of arrow.
2. Remove the connector (CP9).

Ref. No. 3	Removal of the Dial Chassis
Procedure 1→2→3	

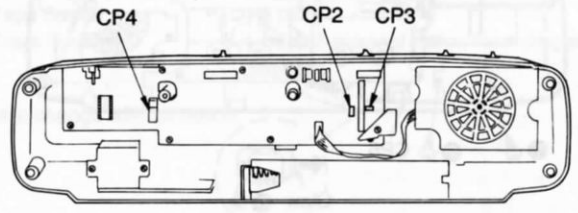


•Remove 2 screws (❶, ❷).

Ref. No. 4	Removal of the Mechanism
Procedure 1→2→3→4	



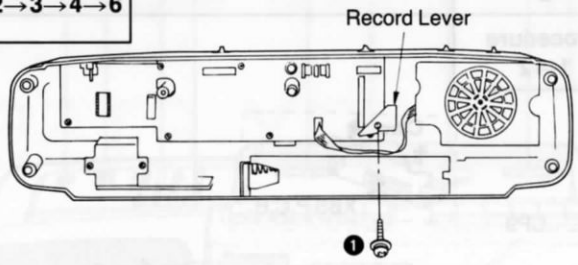
1. Remove 3 screws (❶~❸).



2. Remove 3 connector (CP2, CP3, CP4).

Ref. No. 6	Removal of the Record Lever

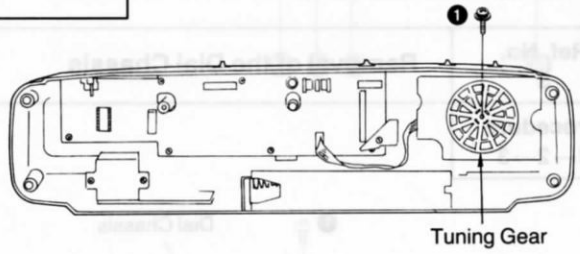
Procedure
1→2→3→4→6



•Remove the screw (❶).

Ref. No. 8	Removal of the Tuning Gear

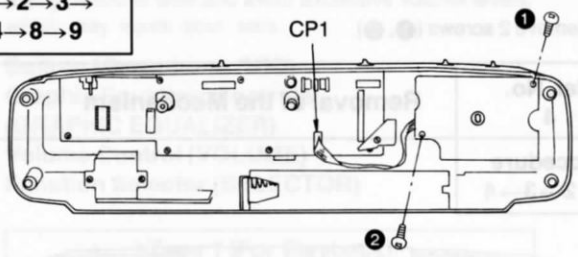
Procedure
1→2→3→4→8



•Remove the screw (❶).

Ref. No. 9	Removal of the Tuner P.C.B.

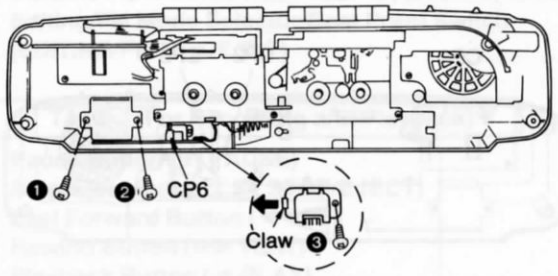
Procedure
1→2→3→
4→8→9



1. Remove the connector (CP1).
2. Remove 2 screws (❶, ❷).

Ref. No. 11	Removal of the Power P.C.B.

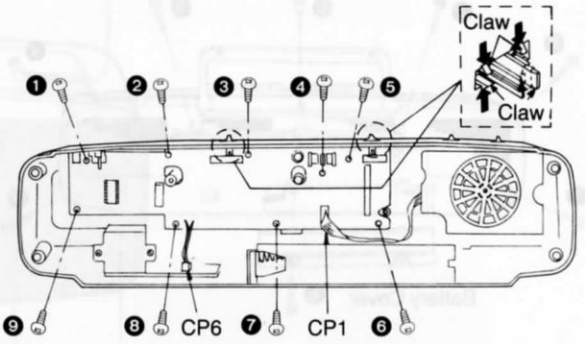
Procedure
1→11



1. Remove 3 screws (❶~❸).
2. Release the claw in the direction of arrow.

Ref. No. 7	Removal of the Main P.C.B.

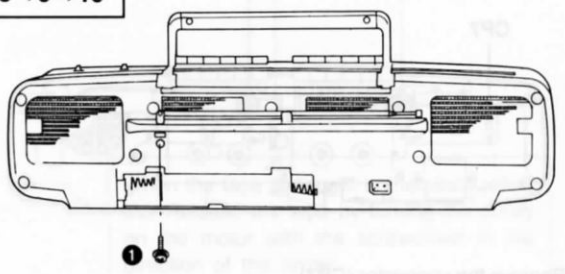
Procedure
1→2→3→4→
5→7



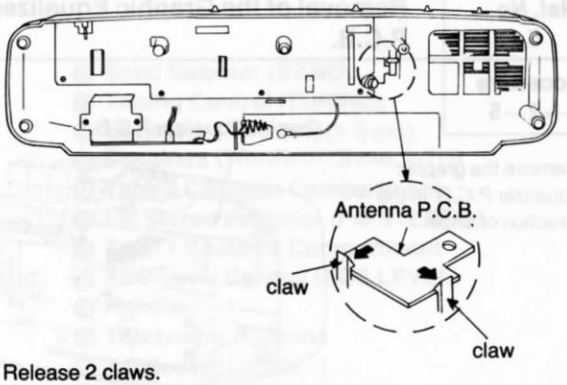
1. Remove 2 connector (CP1, CP6).
2. Release 4 claws in the direction of arrows and remove the selector knobs.
3. Remove 9 screws (❶~❾).

Ref. No. 10	Removal of the Antenna P.C.B.

Procedure
1→2→3→4→
6→8→9→10



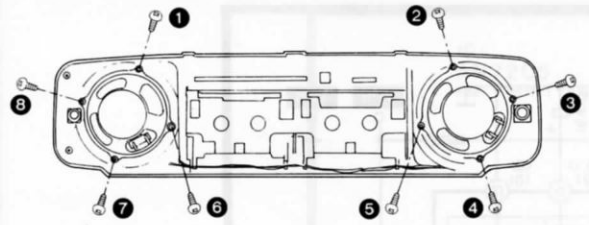
1. Remove the screw (❶).



2. Release 2 claws.

Ref. No. 12	Removal of the Speaker

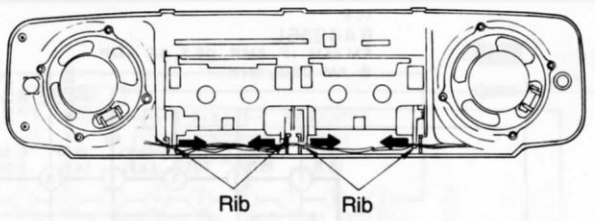
Procedure 1→12



●Remove 8 screws (❶~❽).

Ref. No. 13	Removal of the Cassette Holder

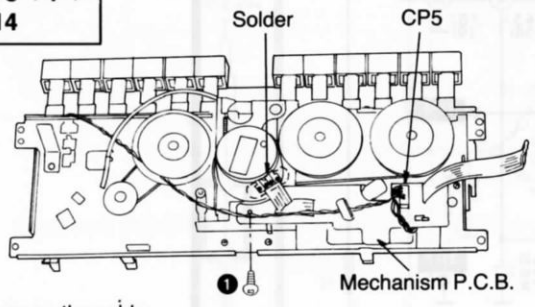
Procedure 1→13



●Release 4 ribs in the direction of arrows.

Ref. No. 14	Removal of the Mechanism P.C.B.

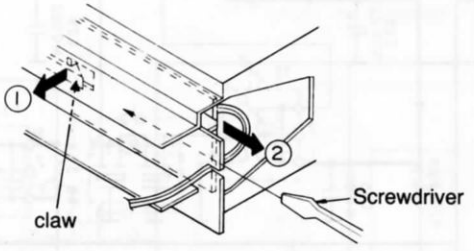
Procedure 1→2→3→4→14



1. Remove the solder.
2. Remove the connector (CP5).
3. Remove the screw (❶).

Ref. No. 15	Removal of the Battery P.C.B.

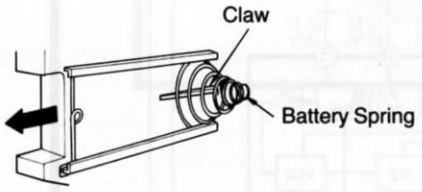
Procedure 1→15



1. Release the claw in the direction of arrow ①.
2. Remove the battery P.C.B. in the direction of arrow ②.

Ref. No. 16	Removal of the Battery Spring

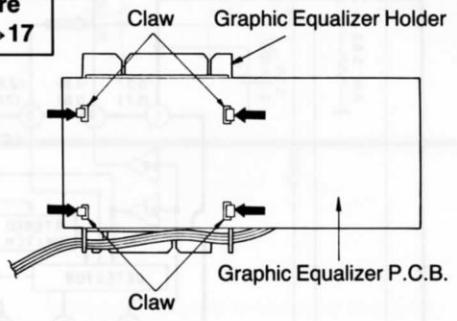
Procedure 16



1. Remove the battery cover.
2. Release the claw and remove the battery spring in the direction of arrow.

Ref. No. 17	Removal of the Graphic Equalizer Holder

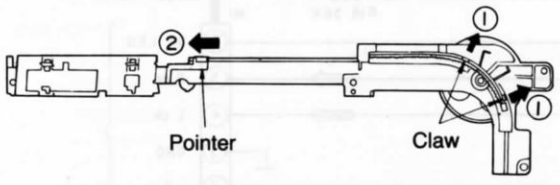
Procedure 1→2→5→17



●Release 4 screws.

Ref. No. 18	Removal of the Pointer

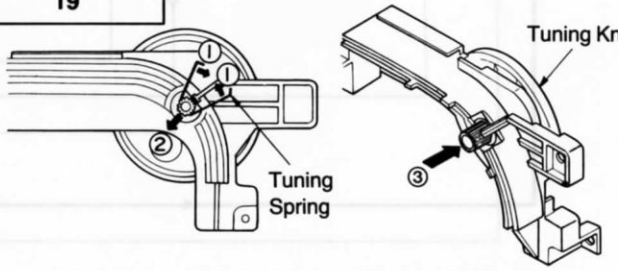
Procedure 1→2→3→18



●Release 2 claws in the direction of arrows ① and then remove the pointer in the direction of arrow ②.

Ref. No. 19	Removal of the Tuning Knob

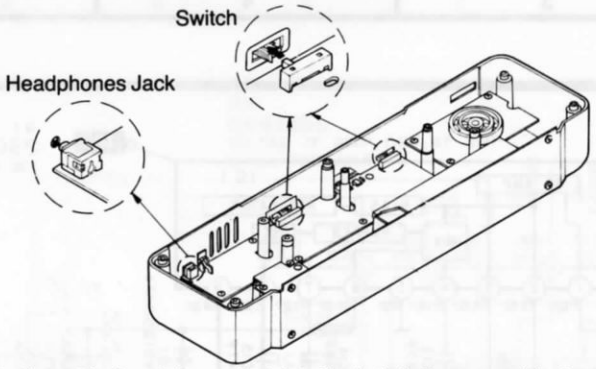
Procedure 1→2→3→18→19



1. Release the spring in the direction of arrows ①, ②.
2. Remove the tuning knob in the direction of arrow ③.

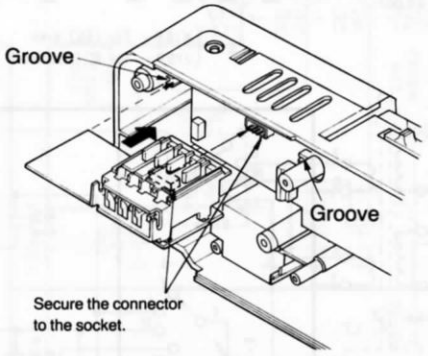
Notes When Assembling

■ HOW TO MOUNT THE MAIN P.C.B.



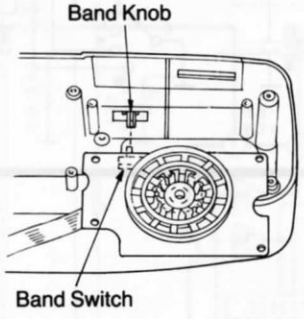
1. Insert the headphones jack into the hole in the rear cabinet.
2. Insert the boss of the switch in the selector control.

■ HOW TO MOUNT THE GRAPHIC EQUALIZER P.C.B.



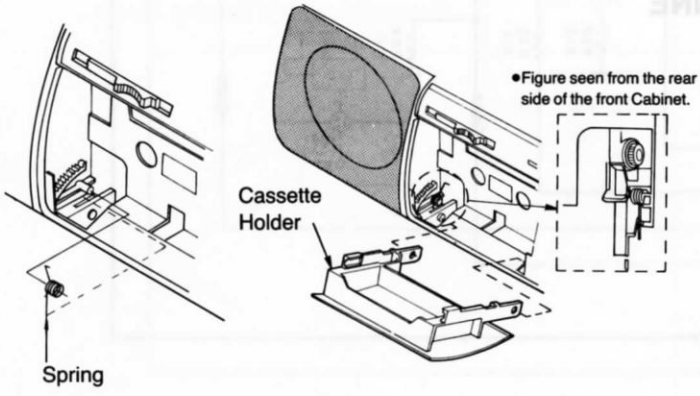
•Reinstall it by sliding it in the direction of the arrow.

■ HOW TO MOUNT THE TUNER P.C.B.

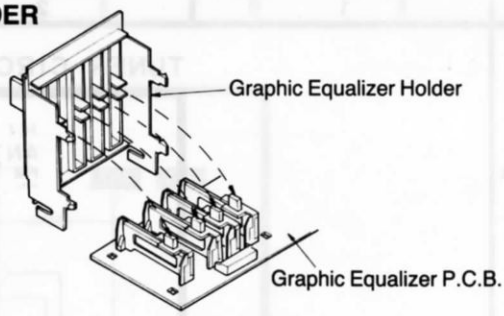


•Insert the boss of the switch in the selector control.

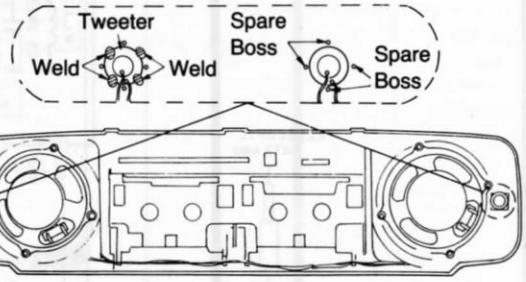
■ HOW TO MOUNT THE CASSETTE HOLDER



■ HOW TO MOUNT THE GRAPHIC EQUALIZER HOLDER



■ HOW TO REPLACE THE TWEETERS

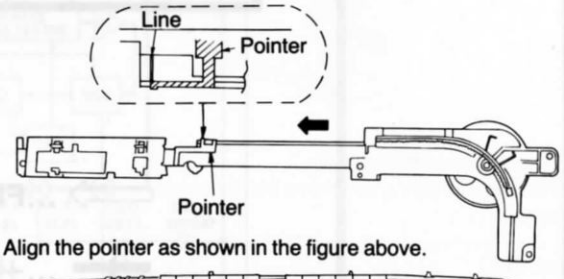


•Remove these 4 welded points with a cutter of similar tool. After replacing the tweeters, weld after mounting.

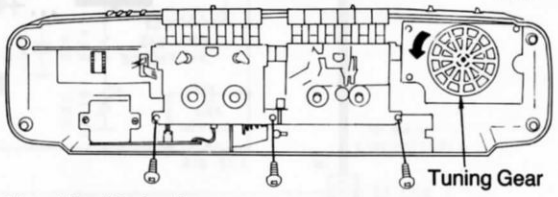
■ HOW TO ATTACH THE STOPPER SPRING

•Securely fix the stopper spring in the groove.

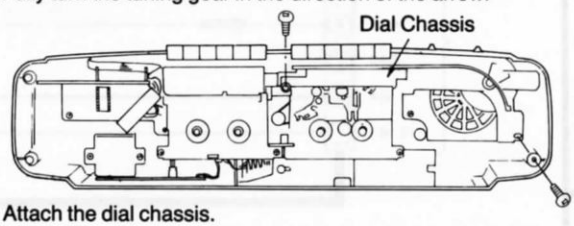
■ HOW TO MOUNT THE DIAL CHASSIS



1. Align the pointer as shown in the figure above.



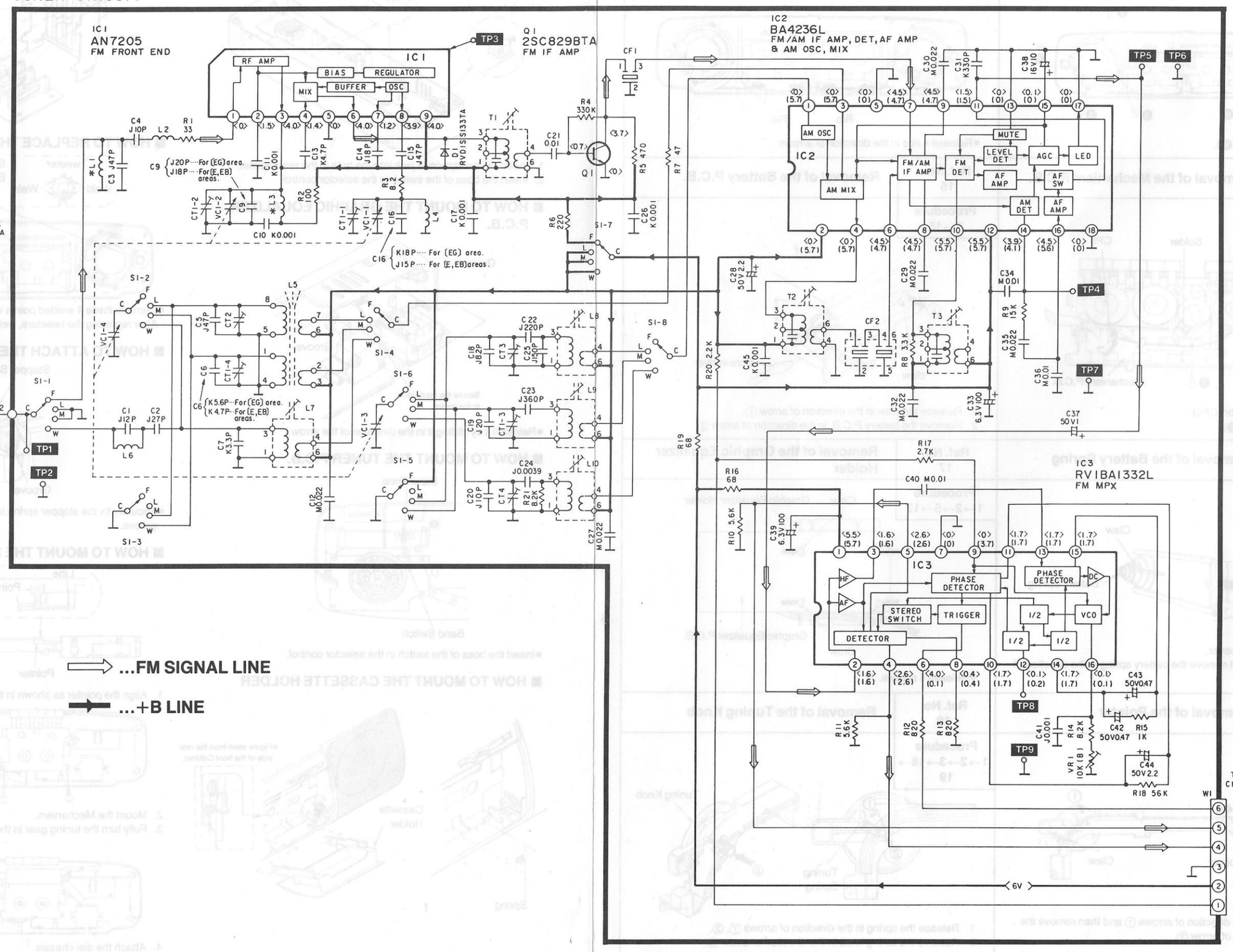
2. Mount the Mechanism.
3. Fully turn the tuning gear in the direction of the arrow.



4. Attach the dial chassis.

SCHEMATIC DIAGRAM • TUNER CIRCUIT (Parts List on Page 17, 27 and 28)

TUNER CIRCUIT

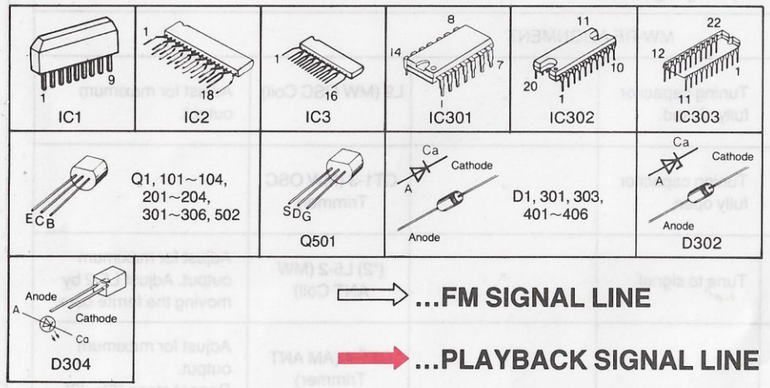


SCHEMATIC DIAGRAM • MAIN/GRAPHIC E.Q./MECHANISM/XBS/ POWER CIRCUIT (Parts List on Page 17, 27

Notes:

1. S1-1~S1-8: Band select switch in "FM" position. (F...FM, L...LW, M...MW, W...SW)
2. S301-1, S301-2: Editing/FM mode/Beat proof switch in "MIC/MONO/ " position. (M/ ...MIC/MONO/ , N/▮▮...NORMAL/STEREO/▮▮, H/▮▮▮...HIGH/STEREO/▮▮▮)
3. S302-1~S302-6: Record/Playback switch in "PLAYBACK" position. (P...PLAYBACK, R...RECORD)
4. S303-1~S303-4: Function selector switch in "TAPE/POWER OFF" position. (T...TAPE/POWER OFF, R...RADIO, L...CD/LINE IN)
5. S304: AC/DC select switch in "DC" position.
6. S305: Tape 1 motor switch.
7. S306: Tape 2 motor switch.
8. S307-1, S307-2: FWD/REV select switch in "FWD" position.
9. VR1: FM VCO adjustment VR.
10. VR101: Graphic equalizer (10 kHz) control VR (Rch).
11. VR102: Graphic equalizer (1 kHz) control VR (Rch).
12. VR103: Graphic equalizer (330 Hz) control VR (Rch).
13. VR104: Volume control VR (Rch).
14. VR105: XBS level control VR (Rch).
15. VR201: Graphic equalizer (10 kHz) control VR (Lch).
16. VR202: Graphic equalizer (1 kHz) control VR (Lch).
17. VR203: Graphic equalizer (330 Hz) control VR (Lch).
18. VR204: Volume control VR (Lch).
19. VR205: XBS level control VR (Lch).
20. VR501: Tape speed adjustment VR.
21. DC voltage measurements are taken with electronic voltmeter. The negative terminal of the battery provides negative meter connection point. No mark...PLAYBACK, ( )...RECORD, < >...FM, ( )...AM
22. Battery current: Vol. min. ..... 96 mA (Radio) 160 mA (Tape Playback)
    Vol. max ..... 840 mA (Radio) 975 mA (Tape Playback)
    Measurement instruction (Radio: FM 60 dB, 30% Mod. Tape: 315 Hz, 0 dB)
23. 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.
24. The mark (▮▮▮) shows test point e.g. TP1 =test point 1.

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



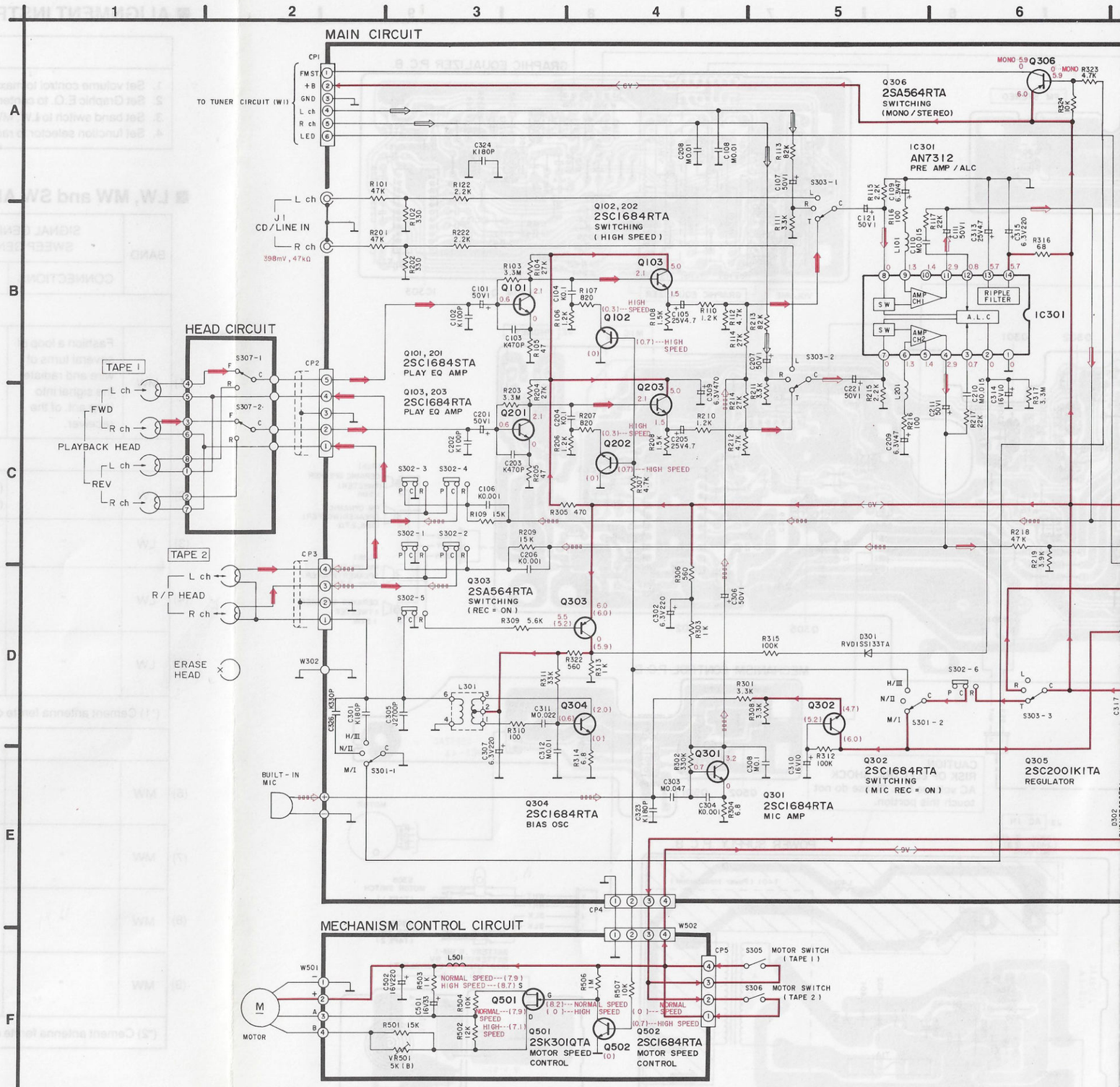
...FM SIGNAL LINE

...PLAYBACK SIGNAL LINE

...RECORD SIGNAL LINE

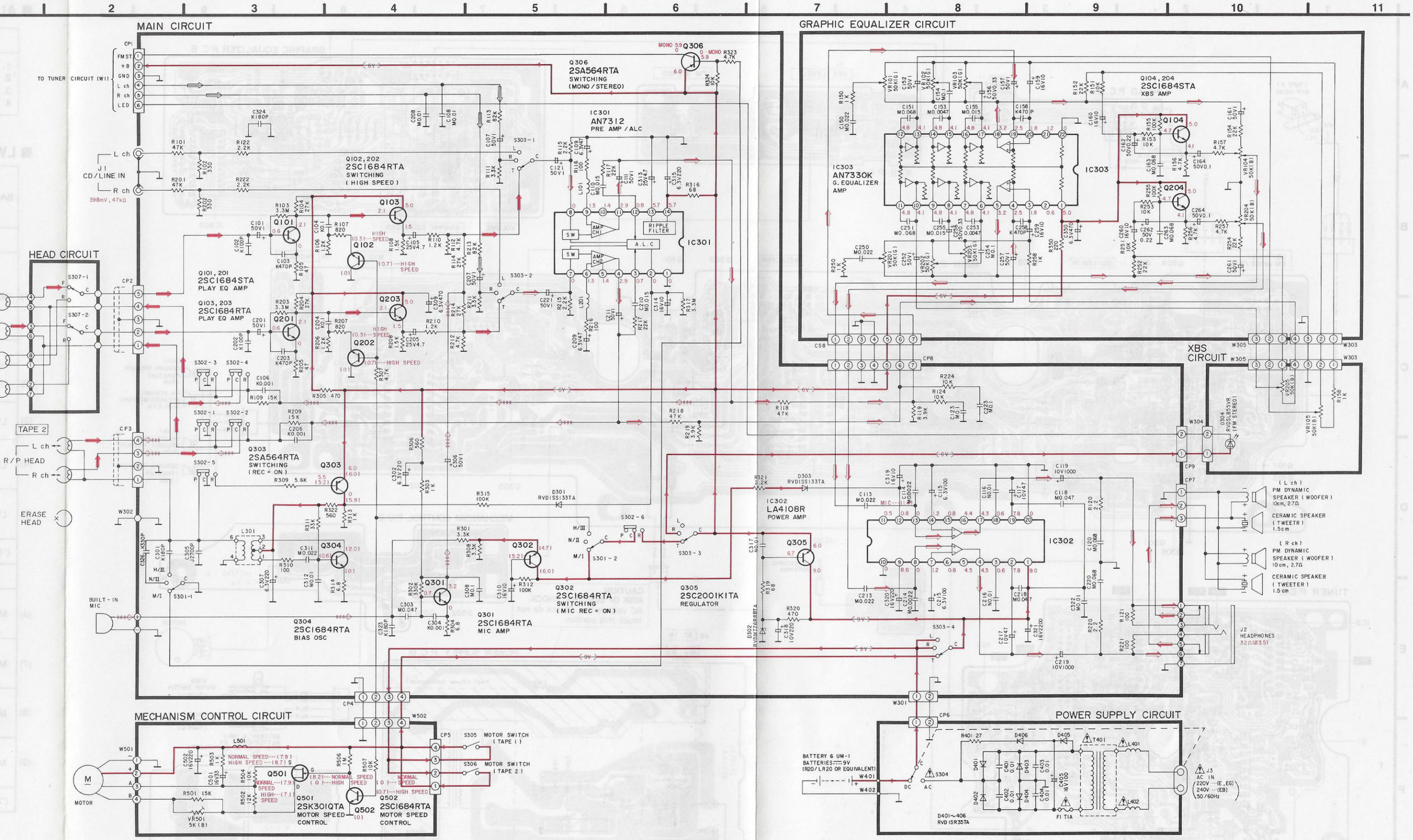
...MAIN SIGNAL LINE

...+B LINE



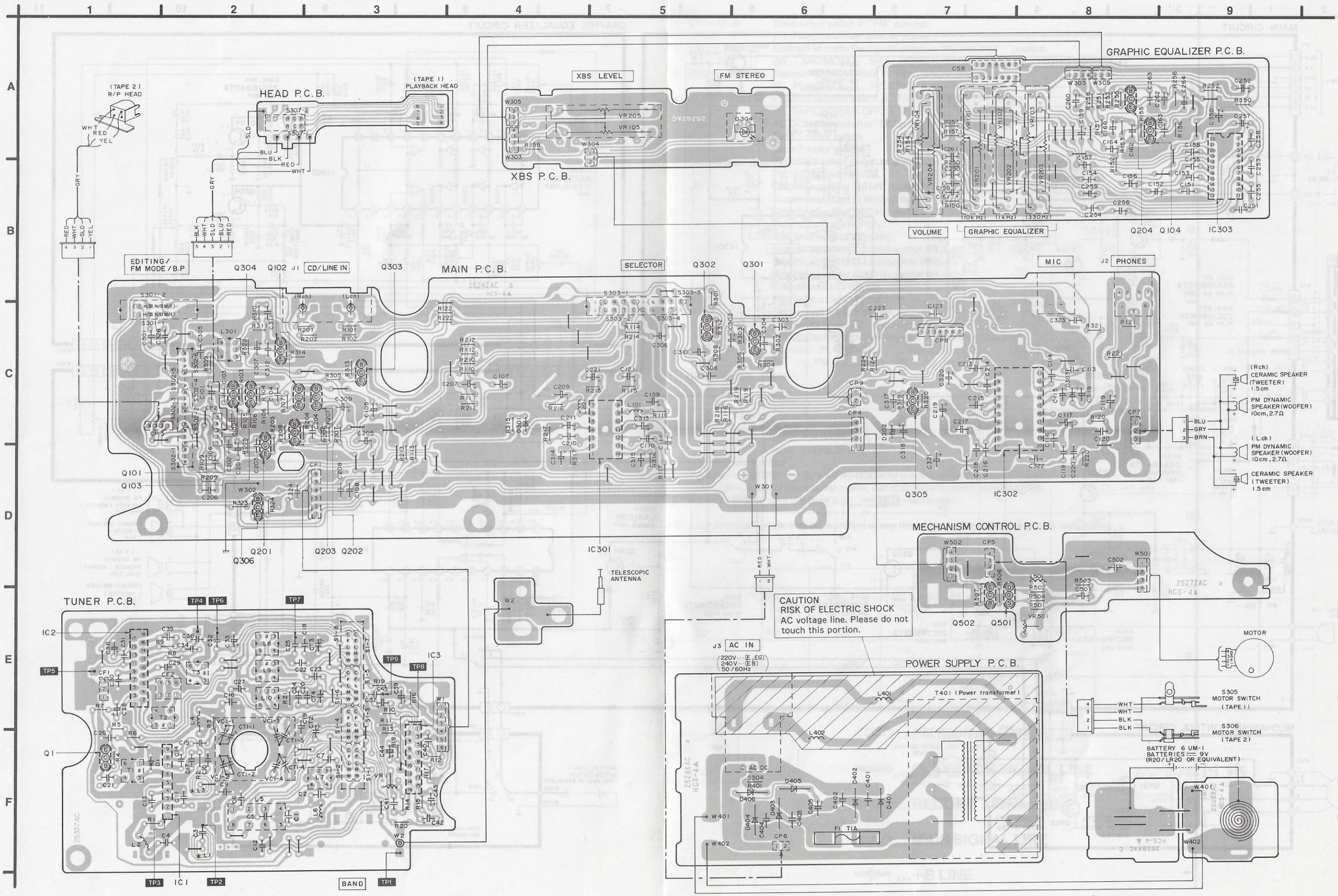
RX-FT550

IC DIAGRAM • MAIN/GRAPHIC E.Q./MECHANISM/XBS/ POWER CIRCUIT (Parts List on Page 17, 27 and 28)



RX-FT550

CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



MEASUREMENTS AND ADJUSTMENS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
1. Set volume control to maximum. 2. Set Graphic E.Q. to center. 3. Set band switch to LW, MW, SW or FM. 4. Set function selector to radio or tape.	5. Set power source voltage to 9 V DC. 6. Set FM mode/B.P switch to STEREO/III. 7. Output of signal generator should be no higher than necessary to obtain an output reading.

■ LW, MW and SW ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
	AM-IF ALIGNMENT						
(1)	MW	Fashion a loop of several turns of wire and radiate the signal into loop ant. of the receiver.	459 kHz 30% Mod. at 400 Hz	Point of non-interference. (on/ about 600 kHz)	Headphones Jack (32Ω) (Fabricate the plug as shown in Fig. 2. and then connect the lead wires of the plug to the measuring instrument.)	T2 (AM IFT)	Adjust for maximum output.
	LW-RF ALIGNMENT						
(2)	LW	〃	(E) (EB) ...136 kHz (EG)...137 kHz	Tuning capacitor fully closed.	〃	L8 (LW OSC Coil)	〃
(3)	LW	〃	297 kHz	Tuning capacitor fully open.	〃	CT3 (LW OSC Trimmer)	〃
(4)	LW	〃	145 kHz	Tune to signal	〃	(*1) L5-1 (LW ANT Coil)	Adjust for maximum output. Adjust L5-1 by moving the ferrite core.
(5)	LW	〃	285 kHz	〃	〃	CT2 (LW ANT Trimmer)	Adjust for maximum output. Repeat steps (2)~(5).
	(*1) Cement antenna ferrite core with wax after completing alignment.						
	MW-RF ALIGNMENT						
(6)	MW	〃	(E) (EB) ...511 kHz (EG)...514 kHz	Tuning capacitor fully closed.	〃	L9 (MW OSC Coil)	Adjust for maximum output.
(7)	MW	〃	(E) (EB) ...1650 kHz (EG)...1639 kHz	Tuning capacitor fully open.	〃	CT1-3 (MW OSC Trimmer)	〃
(8)	MW	〃	550 kHz	Tune to signal	〃	(*2) L5-2 (MW ANT Coil)	Adjust for maximum output. Adjust L5-2 by moving the ferrite core.
(9)	MW	〃	1500 kHz	〃	〃	CT1-4 (AM ANT Trimmer)	Adjust for maximum output. Repeat steps (6)~(9).
	(*2) Cement antenna ferrite core with wax after completing alignment.						

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
		SW-RF ALIGNMENT					
(10)	SW	Connect to test point TP1 through ceramic capacitor (10 pF). Negative side to test point TP2.	5.75 MHz	Tuning capacitor fully closed.	Headphones Jack (32Ω) (Fabricate the plug as shown in Fig. 2. and then connect the lead wires of the plug to the measuring instrument.	L10 (SW OSC Coil)	Adjust for maximum output.
(11)	SW		18.8 MHz	Tuning capacitor fully open.	〃	CT4 (SW OSC Trimmer)	〃
(12)	SW		5.9 MHz	Tune to signal.	〃	L7 (SW ANT Coil)	Adjust for maximum output. Repeat steps (10)~(12).

■ FM ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
		FM-IF ALIGNMENT					
(13)	FM	High side thru. 0.001 µF to test point TP3. Negative side to test point TP2.	10.7 MHz (SWP)	Point of non-interference. (on/ about 90 MHz).	Connect vert. amp. of scope to test point TP4. Negative side to test point TP6.	T1 (FM 1st IFT)	Wave form is shown Fig. 3.
(14)	FM	〃	〃	〃	〃	T3 (FM 2nd IFT)	Wave form is shown Fig. 4.
		FM-RF ALIGNMENT					
(15)	FM	Connect to test point TP1 through FM dummy antenna. Negative side to test point TP2.	(E) (EB) ...86.2 MHz (EG)...87.35MHz	Variable capacitor fully closed.	Headphones Jack (32Ω) (Fabricate the plug as shown in Fig. 2. and then connect the lead wires of the plug to the measuring instrument.	L4 (FM OSC Coil)	(*2) Adjust for maximum output.
(16)	FM		(E) (EB) ...109.2 MHz (EG)...108.25 MHz	Variable capacitor fully open.	〃	CT1-1 (FM OSC Trimmer)	〃
(17)	FM		106 MHz	Tune to signal.	〃	CT1-2 (FM ANT Trimmer)	Adjust for maximum output. Repeat steps (15)~(17).
		(*2) three output responses will be present; proper tuning is the center frequency.					

■ SEPARATION ALIGNMENT

FM SIGNAL GENERTOR SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
98 MHz, 60 dB (CW) Connect to test point TP1 through FM dummy antenna. Negative side to TP2.	TP8 ...(+) TP9 ...(−)	VR1	19 kHz	Adjust VR1, for 19 kHz ±50 Hz reading on frequency counter.

■ HEAD AZIMUTH ALIGNMENT

TEST TAPE	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
QZZCFM (8 kHz, −20 dB)	Headphones Jack (32Ω) (Fabricate the plug as shown in Fig. 2. and then connect the lead wires of the plug to the measuring instrument.	Azimuth screw (Shown in Fig. 6)	Maximum output	•Playback mode.

■ TAPE SPEED ADJUSTMENT

TEST TAPE	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	REMARKS
QZZCWAT (3 kHz)	Headphones Jack (32Ω) (Fabricate the plug as shown in Fig. 2. and then connect the lead wires of the plug to the measuring instrument.)	VR501 (Shown in Fig. 5)	**Normal Speed Adjustment** 1. Insert a test tape (QZZCWAT) in Tape 2 and play it back. 2. Adjust VR501 until the measured value becomes 3000±30 Hz.
	3. Check Tape 1 in the same way to make sure it satisfies the specification. Tape 1…$^{+20}_{-70}$ 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. Insert the playback tape into Tape 1 and the editing tape into Tape 2. 5. Set the Editing Mode Selector to the "HIGH" position. 6. Press the Tape 2 Pause button, then press the Record Button. 7. Press the Tape 1 Playback Button. ●Editing is started by means of the Synchro-Start function. 8. 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 and Wiring Connection Diagram for test point locations.

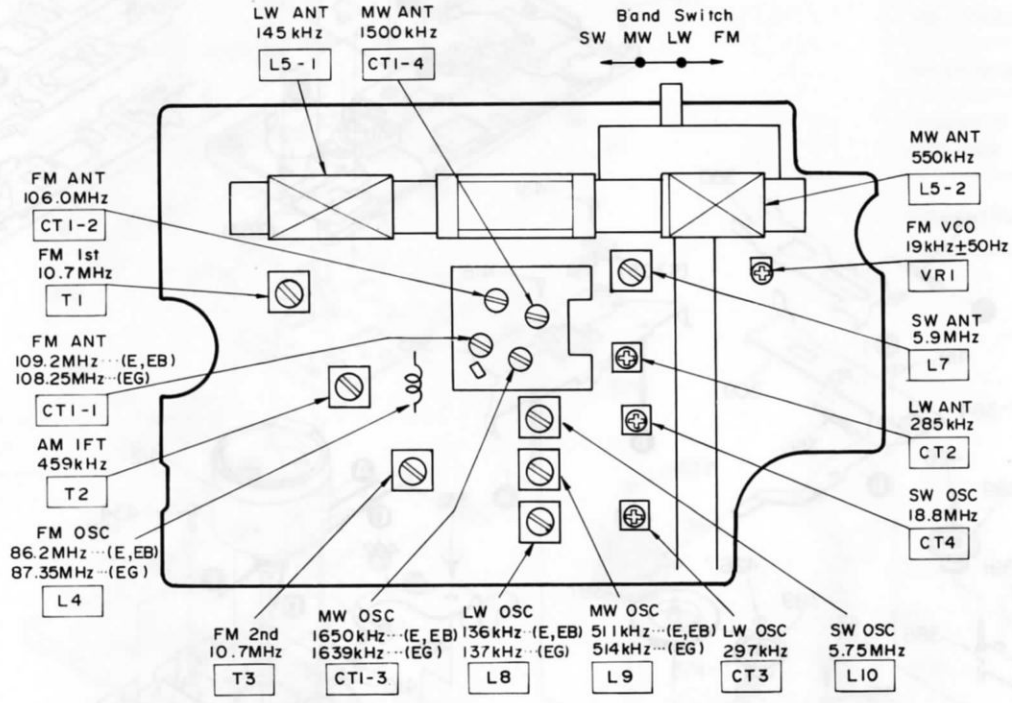


Fig. 1

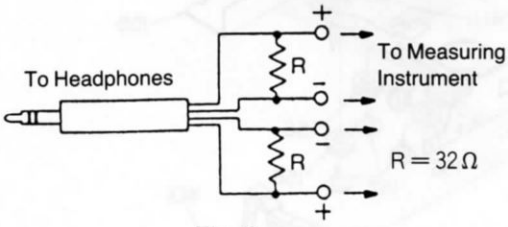


Fig. 2

Fig. 3

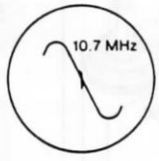


Fig. 4

MECHANISM CONTROL P.C.B

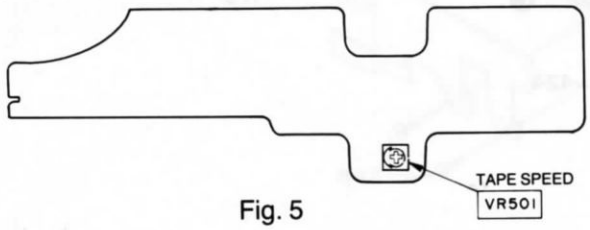


Fig. 5

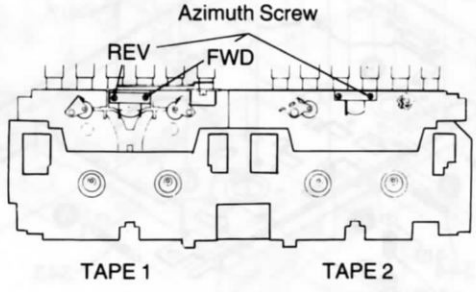


Fig. 6

■ REPLACEMENT 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.
* Ⓜ Indicates parts that are supplied by **MESA.**

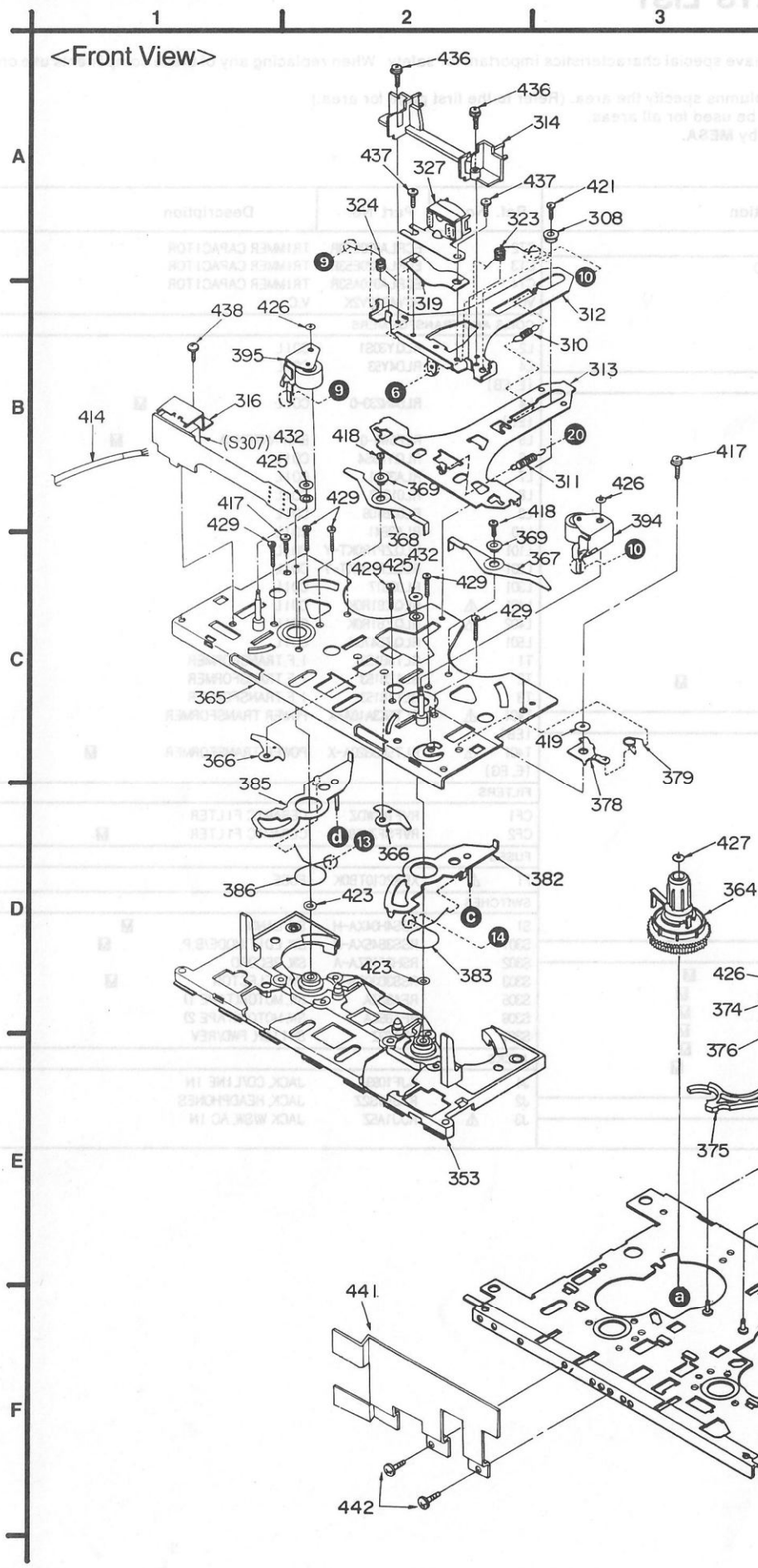
Ref. No.	Part No.	Description
INTEGRATED CIRCUITS		
IC1	AN7205	I.C. FM FRONT END
IC2	BA4236L	I.C. IF AMP.DET.
IC3	RVIBA1332L	I.C. FM MPX
IC301	AN7312	I.C. PRE AMP
IC302	LA4108R	I.C. POWER AMP
IC303	AN7330K	I.C. G.E.Q.AMP
TRANSISTORS		
Q1	2SC829D	TRANSISTOR
Q101	2SC1685-Q	TRANSISTOR
Q102	2SC1685-Q	TRANSISTOR
Q103	2SC1685-Q	TRANSISTOR
Q104	2SC1685-Q	TRANSISTOR
Q201	2SC1685-Q	TRANSISTOR
Q202	2SC1685-Q	TRANSISTOR
Q203	2SC1685-Q	TRANSISTOR
Q204	2SC1685-Q	TRANSISTOR
Q301	2SC1685-Q	TRANSISTOR
Q302	2SC1685-Q	TRANSISTOR
Q303	2SA722-S	TRANSISTOR
Q304	2SC1685-Q	TRANSISTOR
Q305	2SC2001K1	TRANSISTOR
Q306	2SA722-S	TRANSISTOR
Q501	2SK301QTA	TRANSISTOR Ⓜ
Q502	2SC1685-Q	TRANSISTOR
DIODES		
D1	RVD1SS133	DIODE
D301	RVD1SS133	DIODE
D302	RVDMTZ6R8B	DIODE
D303	RVD1SS133	DIODE
D304	RVDSLB55VR	DIODE
D401	RVD1SR35	DIODE
D402	RVD1SR35	DIODE
D403	RVD1SR35	DIODE
D404	RVD1SR35	DIODE
D405	RVD1SR35	DIODE
D406	RVD1SR35	DIODE
VARIABLE RESISTORS		
VR1	RVNCA14B1T-A	V.R. FM VCO Ⓜ
VR101	EWAGQ6T50G54	V.R. G.E.Q.(10KHZ) Ⓜ
VR102	EWAGQ6T50G54	V.R. G.E.Q.(1KHZ) Ⓜ
VR103	EWAGQ6T50G54	V.R. G.E.Q.(330HZ) Ⓜ
VR104	EWAGF2T50B54	V.R. VOLUME Ⓜ
VR105	EWAMASX05B54	V.R. XBS LEVEL Ⓜ
VR501	EVND4AA00B53	V.R. TAPE SPEED
VARIABLE CAPACITORS		

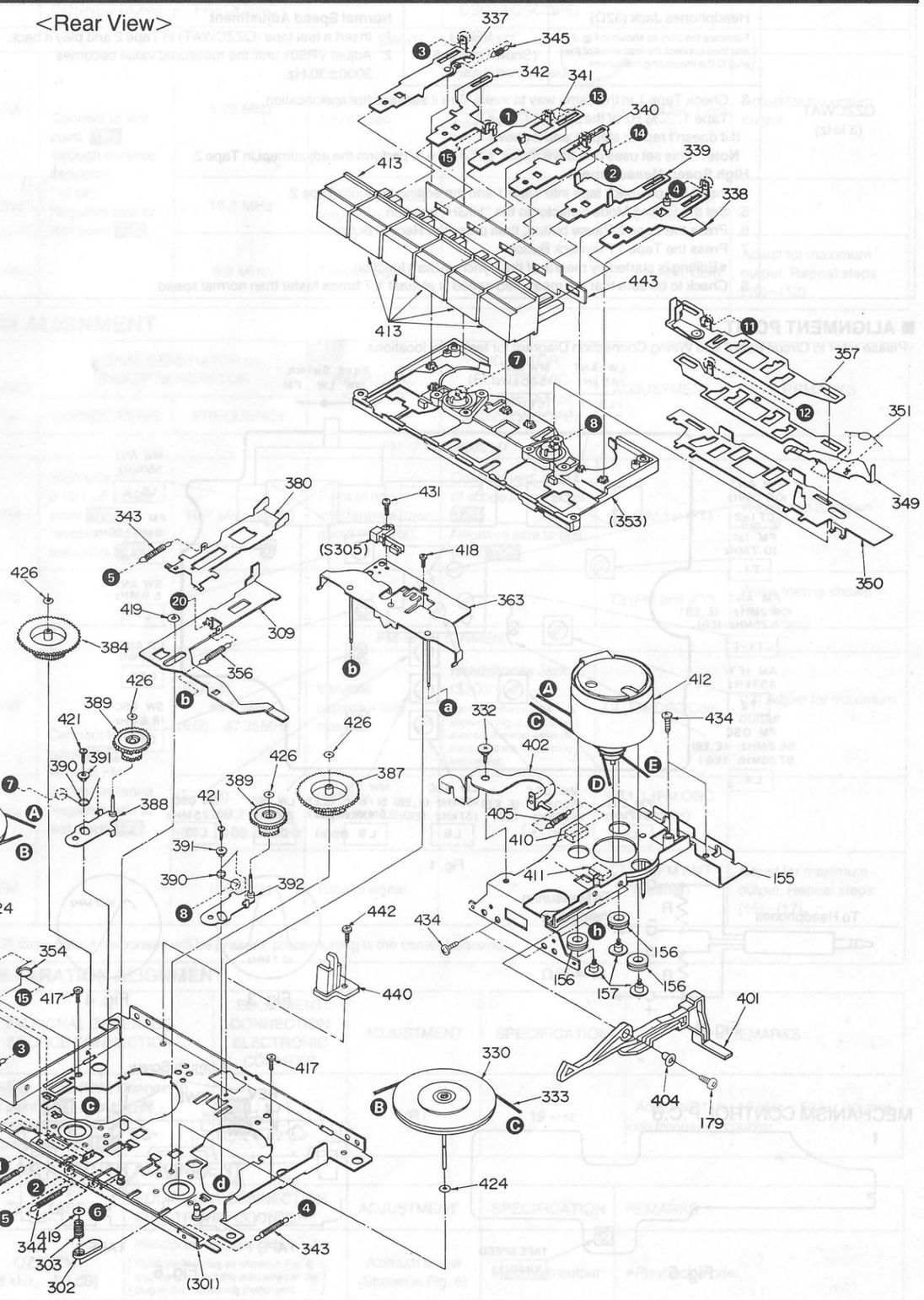
Ref. No.	Part No.	Description
CT2	ECRLA020E53R	TRIMMER CAPACITOR
CT3	ECRLA020E53R	TRIMMER CAPACITOR
CT4	ECRLA010A53R	TRIMMER CAPACITOR
VC1	RCV4RC2V2K	V.C
COILS AND TRANSFORMERS		
L2	RLQY30S1	COIL
L4 (E, EB)	RLD4Y53	COIL
L4 (EG)	RL04N233-0	COIL Ⓜ
L5	RLF6W9-0	BAR ANTENNA Ⓜ
L6	RLQY30S4	COIL
L7	RLA3B41	COIL
L8	RL01B13	COIL
L9	RL02B108	COIL
L10	RLA3B41	COIL
L101	RLQZP1R0KT-Y	COIL
L201	RLQZP1R0KT-Y	COIL
L301	RL09B17	COIL
L401 ⚠	RLQZB1R0K	COIL
L402 ⚠	RLQZB1R0K	COIL
L501	RLQZB470K	COIL
T1	RLI4B153	I.F.TRANSFORMER
T2	RLI2B153	I.F.TRANSFORMER
T3	RLI4B153	I.F.TRANSFORMER
T401 ⚠ (EB)	RLT5K3A10A-X	POWER TRANSFORMER
T401 ⚠ (E, EG)	RLT5K3G20A-X	POWER TRANSFORMER Ⓜ
FILTERS		
CF1	RVF107WDZ	CERAMIC FILTER
CF2	RVFSFZ459JL	CERAMIC FILTER Ⓜ
FUSES		
F1 ⚠	XBA2C10TB0K	FUSE
SWITCHES		
S1	RSS4H04XA-H	SW, BAND Ⓜ
S301	RSS3B45XA-H	SW, EDIT MODE/B.P. Ⓜ
S302	RSH2F18ZA-A	SW, RECORD
S303	RSS3D30ZA-H	SW, SELECTOR Ⓜ
S305	RFA92ZA	SW, MOTOR(TAPE 1)
S306	RFA85ZA	SW, MOTOR(TAPE 2)
S307	RFA63Z	SWITCH, FWD/REV
JACKS		
J1	RJF1099Z	JACK, CD/LINE IN
J2	RJJD7S2Z	JACK, HEADPHONES
J3 ⚠	RJJ1A5Z	JACK W/SW, AC IN

RX-FT550

MECHANISM PARTS LOCATION • TAPE 1 (For Playback/Auto Reverse)

(Parts List on Page 25 and 26)



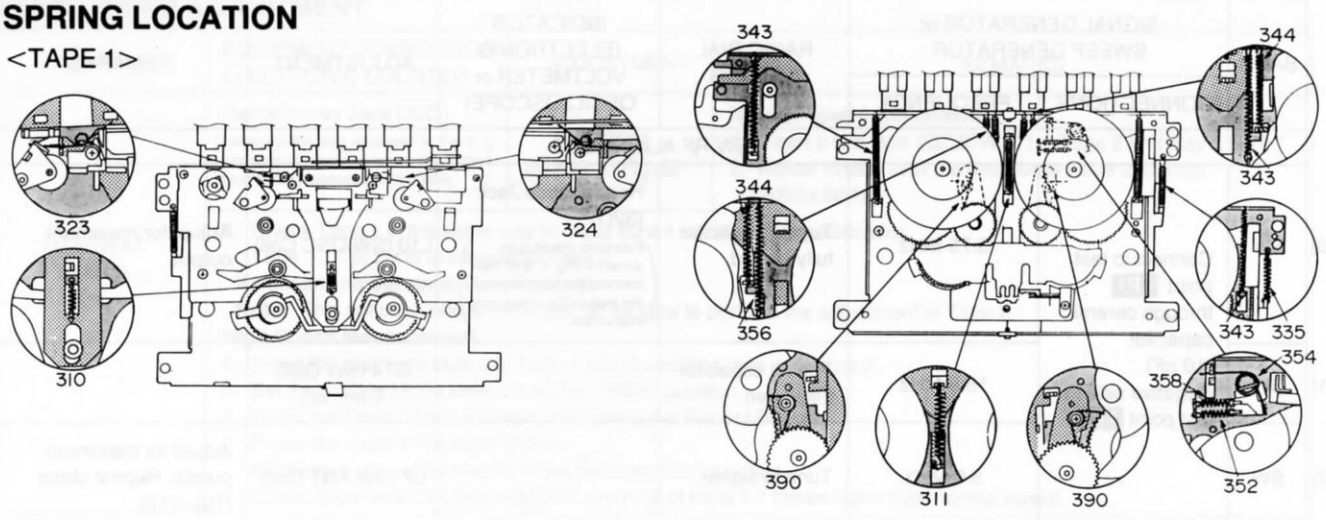


Specifications

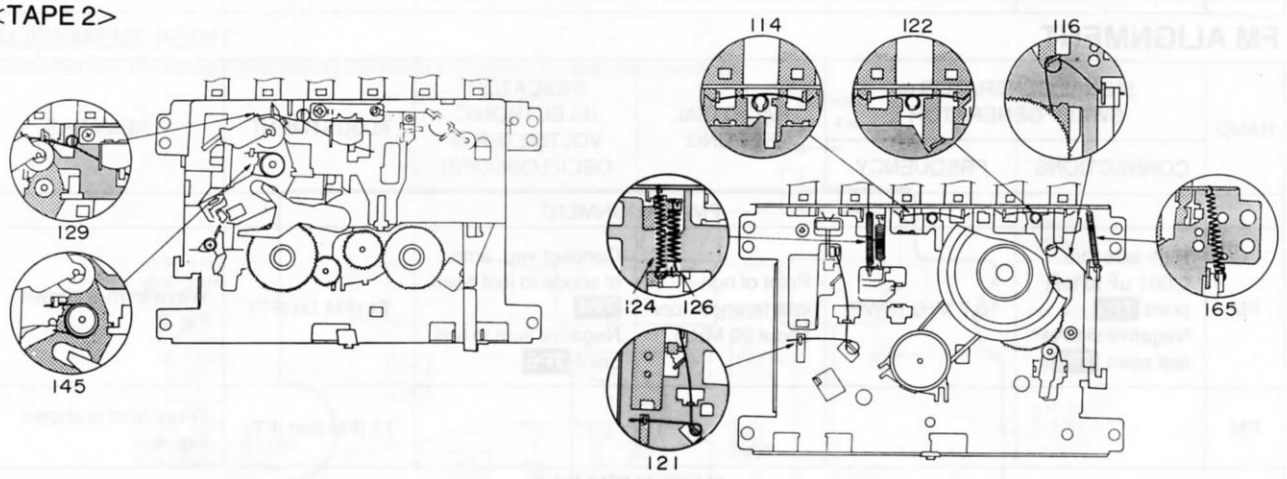
Playback torque	25~55 g•cm
Fast Forward torque	55~130 g•cm
Rewind torque	55~130 g•cm
Pressure of pinch roller	240±50 g
Wow and flutter	Less than 0.25% (WRMS)

■ SPRING LOCATION

<TAPE 1>



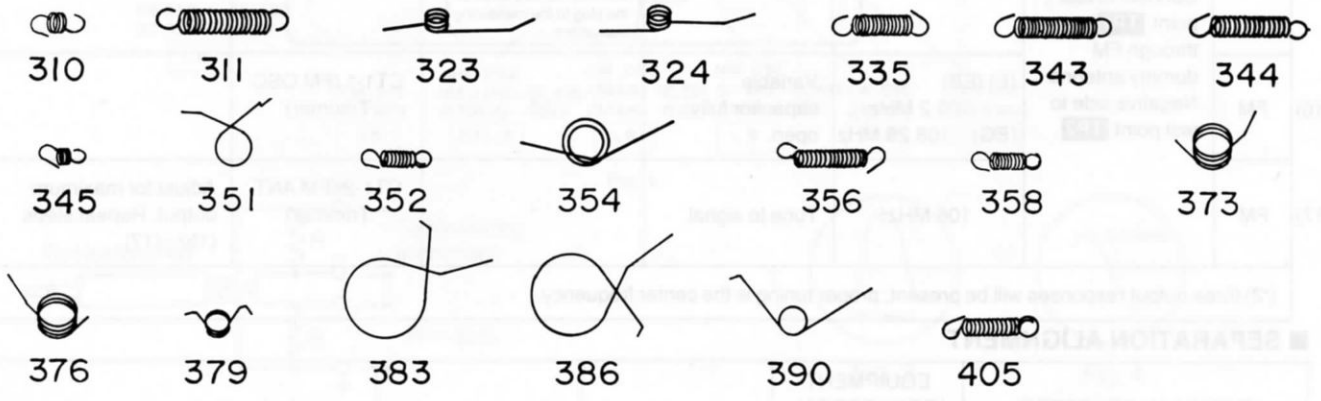
<TAPE 2>



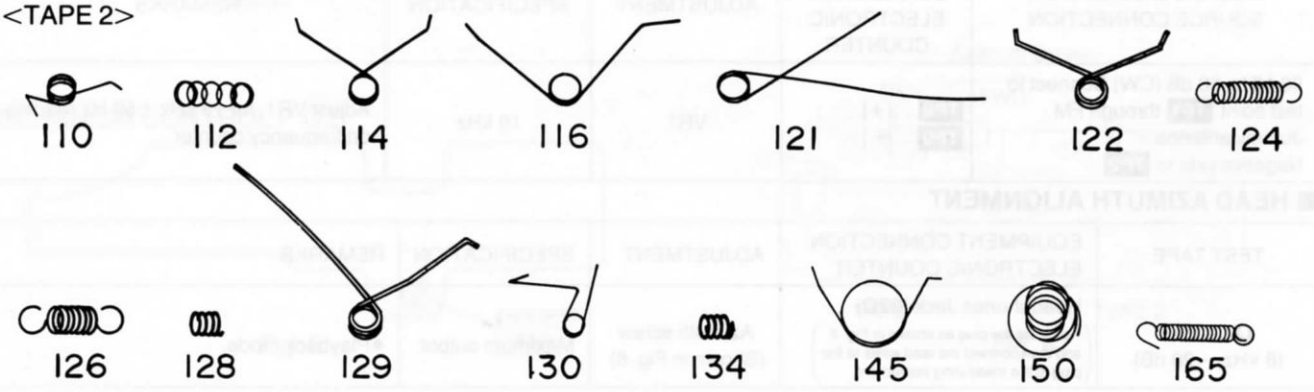
■ SPRING ILLUSTRATION

The illustration shows the actual size of the springs so it can be used to check their shapes.
(The illustration shows the springs separated from the mechanism).

<TAPE 1>



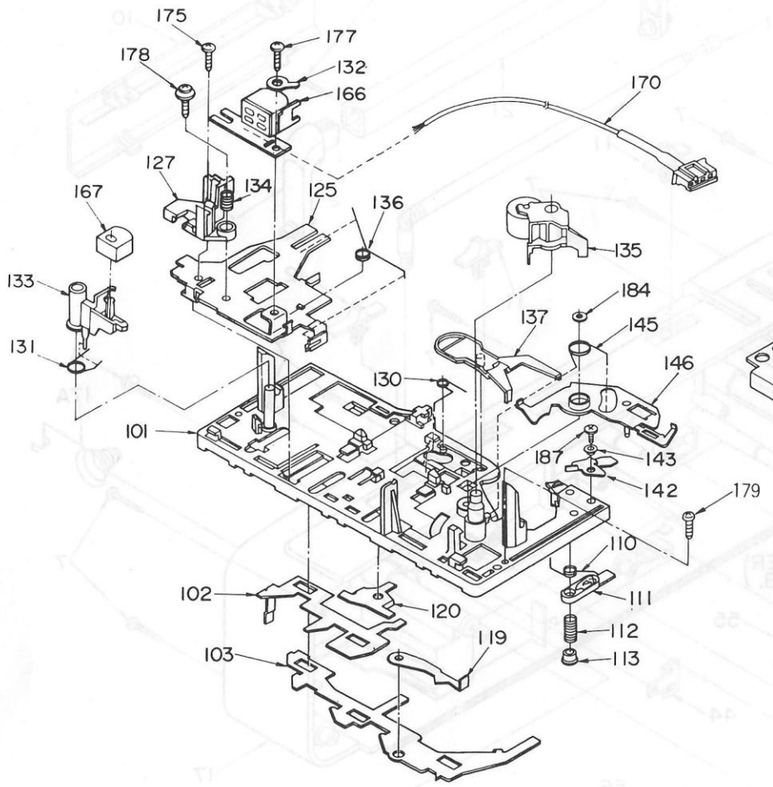
<TAPE 2>

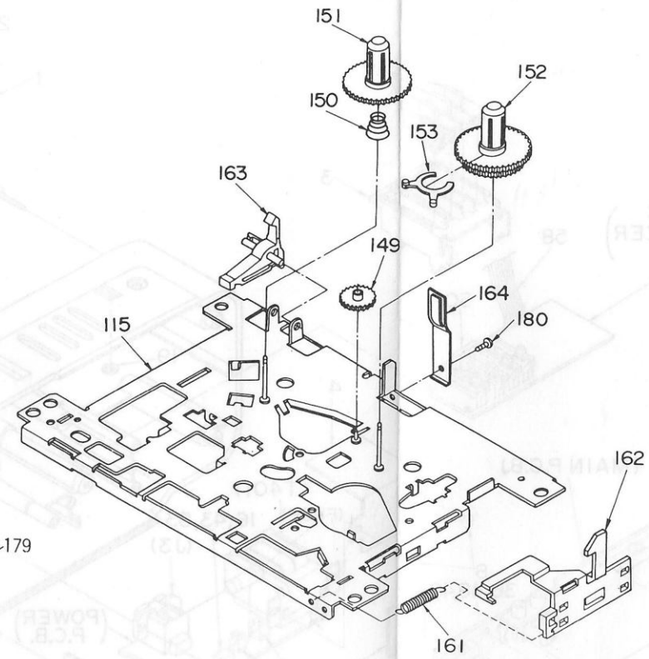


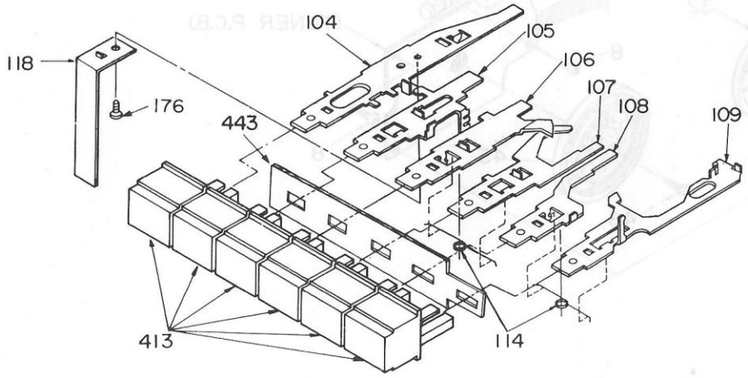
MECHANISM PARTS LOCATION • TAPE 2 (For Recording and Playback)

(Parts List on Page 25 and 26)

<Front View>



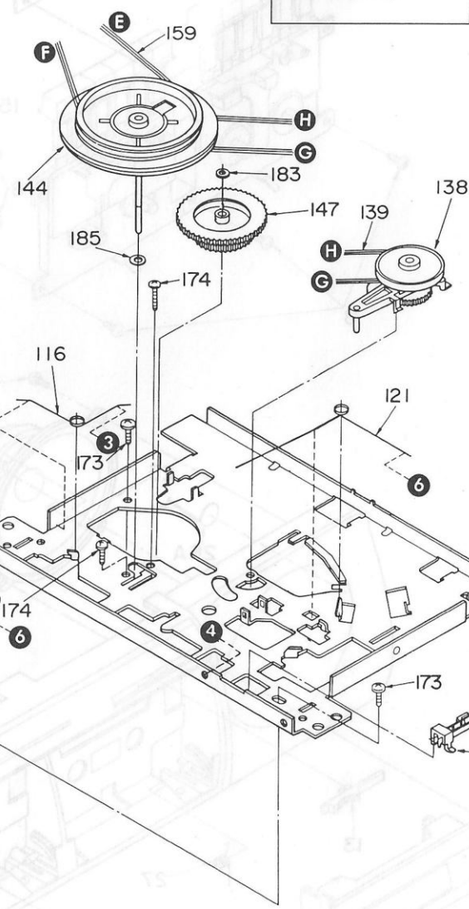




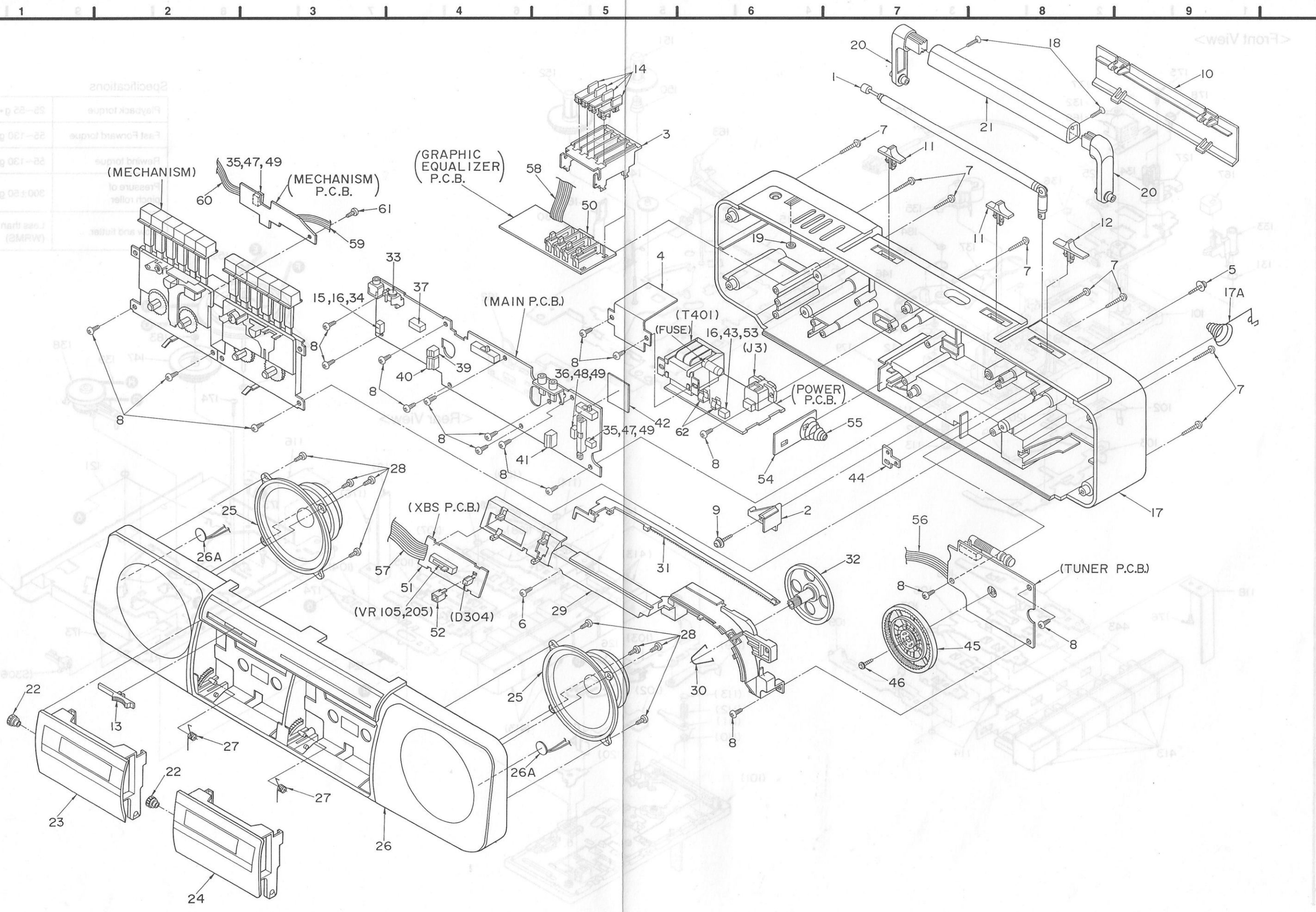
Specifications

Playback torque	25~55 g • cm
Fast Forward torque	55~130 g • cm
Rewind torque	55~130 g • cm
Pressure of pinch roller	300±50 g
Wow and flutter	Less than 0.25% (WRMS)

<Rear View>



CABINET PARTS LOCATION (Parts List on Page 26)



MECHANISM

CASSETTE DECK

Ref. No.	Part No.	Description	
101	RFU154ZA	CHASSIS ASS'Y	
102	RFY866ZA	PLATE	
103	RFY867ZA	PLATE	
104	RFY896ZA	LEVER	
105	RFY912ZA	LEVER	
106	RFY897ZA	LEVER	
107	RFY898ZA	LEVER	
108	RFY899ZA	LEVER	
109	RFY901ZA	LEVER	
110	RFS837ZA	SPRING	
111	RFG139ZA	PAUSE CAM	
112	RFS813ZA	SPRING	
113	RFX174ZA	STOPPER	
114	RFS814ZA	SPRING	
115	RFU155ZA	CHASSIS ASS'Y	
116	RFS815ZA	SPRING	
118	RFS799ZA	SPRING	
119	RFY844ZA	LEVER	
120	RFX175ZA	STOPPER	
121	RFS835ZA	SPRING	
124	RFS843ZA	SPRING	
125	RFU166ZA	PLATE	
126	RFS844ZA	SPRING	
127	RFU168ZA	CHASSIS	
130	RFS820ZA	SPRING	
131	RFS821ZA	SPRING	
132	RFE504ZA	TERMINAL	
133	RFY913ZA	MG ARM	
134	RFS447Z	SPRING	
135	RFR58ZA	PINCHROLLER ASS'Y	
136	RFS845ZA	SPRING	
137	RFY884ZA	LEVER	
138	RFQ61ZA	CLUTCH ASS'Y	
139	RFB99ZA	RF BELT	
142	RFD396ZA	ARM	
143	RFY877ZA	COLLAR	
144	RFF69ZA	FLYWHEEL ASS'Y	
145	RFS822ZA	SPRING	
146	RFY874ZA	PLATE ASS'Y	
147	RFG136ZA	GEAR	
149	RFG110ZA	GEAR	
150	RFS838ZA	SPRING	
151	RFJ89ZA	REEL ASS'Y	M
152	RFJ90ZA	REEL ASS'Y	M
153	RFY875ZA	SENSER	
155	RFD387ZA	BRACKET	
156	RFI38Z	RUBBER	
157	RFE507ZA	SCREW	
159	RFB103ZA	BELT	
161	RFS826ZA	SPRING	
162	RFY889ZA	LEVER	
163	RFY716Z	LEVER	
164	RFS534Z	SPRING	
166	RBR4CG003-M	R/P HEAD	M
167	RBR2CY001-1	E.HEAD	
170	RZZ0417	SHIELD WIRE	
173	RFE416ZA	SCREW	
174	RFE496ZA	SCREW	
175	RFE476ZA	SCREW	
176	RFE484ZA	SCREW	
177	RFE498ZA	SCREW	
178	RFE230Z	SCREW	
179	RFE252Z	SCREW	
180	RFE420ZA	SCREW	
183	RFN83Z	WASHER	
184	RFN214ZA	WASHER	
185	RFN122Z	WASHER	
187	RFE497ZA	SCREW	
301	RFU128ZA	CHASSIS ASS'Y	
302	RFY420Z	LEVER	
303	RFS459Z	SPRING	
304	RFS534Z	SPRING	
308	RFX163ZA	COLLAR	
309	RFY813ZA	PLATE	
310	RFS736ZA	SPRING	
311	RFS833ZA	SPRING	
312	RFY817ZA	HEAD PANEL	
313	RFY818ZA	PLATE	
314	RFE417ZA	GUIDE	
316	RFD334ZA	ANGLE	
319	RFS737ZA	SPRING	
323	RFS751ZA	SPRING	
324	RFS752ZA	SPRING	
327	1JH0027ZA	P HEAD	M
330	RFF68ZA	FLYWHEEL ASS'Y	
332	RFE239Z	SCREW	
333	RFB90ZA	BELT	
334	RFY800ZA	LEVER	
335	RFS726ZA	SPRING	
337	RFY812ZA	LEVER	
338	RFY857ZA	LEVER	
339	RFY808ZA	LEVER	
340	RFY809ZA	LEVER	
341	RFY810ZA	LEVER	
342	RFY811ZA	LEVER	
343	RFS834ZA	SPRING	
344	RFS732ZA	SPRING	
345	RFS733ZA	SPRING	
349	RFY914ZA	LEVER	
350	RFY804ZA	PLATE	
351	RFS730ZA	SPRING	
352	RFS748ZA	SPRING	
353	RFU130ZA	CHASSIS ASS'Y	
354	RFS734ZA	SPRING	
356	RFS750ZA	SPRING	
357	RFY806ZA	PLATE	
358	RFS747ZA	SPRING	
363	RFU131ZA	PLATE ASS'Y	
364	RFJ87ZA	REEL TABLE	
365	RFU129ZA	SUB CHASSIS ASS'Y	
366	RFY823ZA	ARM	
367	RFY815ZA	ARM	
368	RFY816ZA	ARM	
369	RFX162ZA	COLLAR	
372	RFY798ZA	LEVER	
373	RFS724ZA	SPRING	
374	RFX161ZA	STOPPER	
375	RFY799ZA	LEVER	
376	RFS725ZA	SPRING	
378	RFY801ZA	ARM	
379	RFS727ZA	SPRING	
380	RFY814ZA	PLATE	
382	RFY802ZA	ARM ASS'Y	
383	RFS728ZA	SPRING	
384	RFG111ZA	GEAR	
385	RFY803ZA	ARM (R) ASS'Y	
386	RFS729ZA	SPRING	
387	RFG112ZA	GEAR	
388	RFY819ZA	ARM ASS'Y	
389	RFG113ZA	GEAR	
390	RFS740ZA	SPRING	
391	RFX164ZA	COLLAR	
392	RFY820ZA	ARM ASS'Y	
394	RFR46ZA	PINCHROLLER ASS'Y	
395	RFR47ZA	PINCHROLLER ASS'Y	
401	RFY582Z	LEVER	
402	RFY821ZA	LEVER	
404	RFX134Z	COLLAR	
405	RFS741ZA	SPRING	
410	RFI50ZA	CUSHION	
411	RFI57ZA	CUSHION	
412	RFM163ZA	MOTOR	M
413	RBC1397ZA-0	BUTTON	M
414	RZZ0416	SHIELD WIRE	
415	RFE472ZA	SCREW	
417	RFE222Z	SCREW	
418	RFE426ZA	SCREW	
419	RFN134Z	WASHER	
421	RFE423ZA	SCREW	
423	RFN122Z	WASHER	
424	RFN136Z	WASHER	

Ref. No.	Part No.	Description
425	RFN182ZA	WASHER
426	RFN133Z	WASHER
427	RFN139Z	WASHER
428	RFN183ZA	WASHER
429	RFE503ZA	SCREW
431	RFE473ZA	SCREW
432	RFN216ZA	WASHER

Ref. No.	Part No.	Description
434	RFE425ZA	SCREW
436	RFE422ZA	SCREW
437	RFE431ZA	SCREW
438	RFE421ZA	SCREW
440	RUE83ZA	HOLDER M
441	RMC3SZA	SHIELD PLATE
442	XTN2+4F	SCREW
443	RHR3070ZCB	SPACER M

Ref. No.	Part No.	Description
CABINET AND CHASSIS		
1	XEARR225DAY	TELESCOPIC ANTENNA
2	RUB564ZA	LEVER M
3	RUV837ZB	CHASSIS M
4	RMC1246ZA	SHIELD PLATE M
5	XYN3+F10FY	SCREW
7	XTN3+20G	SCREW
8	XTV3+12G	SCREW
9	XTW3+25Q	SCREW
10	RKK318ZC-0	BATTERY COVER M
11	RBD563ZA-0	KNOB, FUNCTION M
12	RBD564ZA-0	KNOB, BAND M
13	RBD565ZA-0	KNOB, XBS LEVEL M
14	RBD566ZA-0	KNOB, G.EQ M
15	RJS3L3Z	SOCKET(3P)
16	RJT707Z	CONTACT
17 (E)	RYFXFT550E	REAR CABINET ASS'Y M
17 (EB)	RYFXFT550EB	REAR CABINET ASS'Y M
17 (EG)	RYFXFT550EG	REAR CABINET ASS'Y M
17A	RJC931Z	BATTERY TERMINAL (+/-)
18	XTC3+10CFN	SCREW
19	RHG1244ZA	RUBBER M
20	RKX402ZA-0	ARM M
21	RKX403ZA-0	HANDLE M
22	RDG5874ZB	GEAR
23	RYQ1XFT550JK	CASSETTE LID ASS'Y M
24	RYQ2XFT550JK	CASSETTE LID ASS'Y M
25	RAS10P35ZA-H	SPEAKER, WOOFER M

Ref. No.	Part No.	Description
26 (E)	RYMXFT550E	FRONT CABINET ASS'Y M
26 (EB)	RYMXFT550EB	FRONT CABINET ASS'Y M
26 (EG)	RYMXFT550EG	FRONT CABINET ASS'Y M
26A	RAF15DA9CB3	SPEAKER, TWEETER M
27	RUW4SZB	SPRING
28	XTV3+8G	SCREW
29	RUA876ZA-0	CHASSIS M
30	RUW214ZA	SPRING M
31	RDP357ZB-0	DIAL POINTER M
32	RBT327ZA-0	KNOB, TUNING M
33	RJM164YA	MICROPHONE M
34	RJP3G4Y	CONNECTOR(3P)
35	RJP4G18ZA	CONNECTOR(4P)
36	RJP5G18Z	CONNECTOR(5P)
37	RJP7G11Z	CONNECTOR
39	SJT30243-V	CONNECTOR(2P)
40	SJT30443-V	TERMINAL
41	SJT30643-V	TERMINAL M
42	RMC228ZAA	SHIELD PLATE M
43	RJS2L3Z	SOCKET(2P)
44	RUP2533ZAC	P.C.B M
45	RDG5958ZA	GEAR M
46	XYN26+C6	SCREW
47	RJS4L4Z	SOCKET(4P)
48	RJS5L4Z	SOCKET(5P)
49	RJT807ZB-X	CONTACT
50	RJS7M3Z	SOCKET
51	RUP2526YAC	P.C.B M
52	RMP287ZA	LED HOLDER M
53	RJP2G4Y	CONNECTOR(2P)
54	RUP2528XAC	P.C.B M
55	RJC511Z	BATTERY SPRING
62 ⚠	RJF28Z	FUSE HOLDER

Ref. No.	Part No.	Description
PACKING MATERIAL		
P1	RPH658ZB	PROTECTION BAG M
P2	RPN9584ZA	PAD M
P3	RPK2808ZA	GIFT BOX M
ACCESSORIES		

Ref. No.	Part No.	Description
A1 ⚠ (E, EG)	RJA20Z	POWER CORD
A1 ⚠ (EB)	RJA86ZB-K	POWER CORD
A2	RQX5240ZA	INST. MANUAL M
A3 (E)	RQX5241ZA	INST. MANUAL M

■ RESISTORS & CAPACITORS

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 For Resistors

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 For Capacitors

Example:

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

- Capacity values are in microfarads (μF) unless specified otherwise, P = Pico-farads (pF) F = Farads (F).
- Resistance values 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	: Chip Resistor			
ERJ	: Chip 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	: Polyester	50 : 50V	05 : 50V	
ECQP	: Polypropylene	2H : 500V	2A : 100V	J : ±5%
ECG	: Ceramic	1 : 100V	1J : 63V	G : ±2%
ECEA N	: Non Polar Electrolytic	KC : 400V AC		F : ±1%
QCU	: Ceramic (Chip Type)	KC : 125V AC (UL)		C : ±0.25pF
ECUX	: Ceramic (Chip Type)			D : ±0.5pF
ECF	: Semiconductor			
EECW	: Liquid electrolyte double layer capacitor			

Ref. No.	Part No.	Value.
RESISTORS(VALUE,WATTAGE)		
R1	ERDS2TJ330	33 1/4
R2	ERDS2TJ101	100 1/4
R3	ERDS2TJ8R2	8.2 1/4
R4	ERDS2TJ334	330K 1/4
R5	ERDS2TJ471	470 1/4
R6	ERDS2TJ221	220 1/4
R7	ERDS2TJ470	47 1/4
R8	ERDS2TJ332	3.3K 1/4
R9	ERDS2TJ153	15K 1/4
R10	ERDS2TJ562	5.6K 1/4
R11	ERDS2TJ562	5.6K 1/4
R12	ERDS2TJ821	820 1/4
R13	ERDS2TJ821	820 1/4
R14	ERDS2TJ822	8.2K 1/4
R15	ERDS2TJ102	1K 1/4
R16	ERDS2TJ680	68 1/4
R17	ERDS2TJ272	2.7K 1/4
R18	ERDS2TJ563	56K 1/4
R19	ERDS2TJ680	68 1/4
R20	ERDS2TJ222	2.2K 1/4
R21	ERDS2TJ822	8.2K 1/4
R101	ERDS2TJ473	47K 1/4
R102	ERDS2TJ331	330 1/4
R103	ERDS2TJ335T	3.3M 1/4
R104	ERDS2TJ273	27K 1/4
R105	ERDS2TJ470	47 1/4
R106	ERDS2TJ122	1.2K 1/4
R107	ERDS2TJ821	820 1/4
R108	ERDS2TJ152	1.5K 1/4
R109	ERDS2TJ153	15K 1/4
R110	ERDS2TJ122	1.2K 1/4
R111	ERDS2TJ332	3.3K 1/4
R112	ERDS2TJ472	4.7K 1/4
R113	ERDS2TJ683	68K 1/4
R114	ERDS2TJ273	27K 1/4
R115	ERDS2TJ222	2.2K 1/4
R116	ERDS2TJ101	100 1/4
R117	ERDS2TJ223	22K 1/4
R118	ERDS2TJ473	47K 1/4
R119	ERDS2TJ392	3.9K 1/4
R120	ERDS2TJ2R2	2.2 1/4
R121	ERDS2TJ101	100 1/4
R122	ERDS2TJ222	2.2K 1/4
R124	ERDS2TJ103	10K 1/4
R150	ERDS2TJ102	1K 1/4
R151	ERDS2TJ103	10K 1/4
R152	ERDS2TJ223	22K 1/4
R153	ERDS2TJ103	10K 1/4
R154	ERDS2TJ223	22K 1/4
R155	ERDS2TJ104	100K 1/4
R156	ERDS2TJ472	4.7K 1/4
R157	ERDS2TJ472	4.7K 1/4
R158	ERDS2TJ102	1K 1/4
R201	ERDS2TJ473	47K 1/4
R202	ERDS2TJ331	330 1/4
R203	ERDS2TJ335T	3.3M 1/4
R204	ERDS2TJ273	27K 1/4
R205	ERDS2TJ470	47 1/4
R206	ERDS2TJ122	1.2K 1/4
R207	ERDS2TJ821	820 1/4
R208	ERDS2TJ152	1.5K 1/4
R209	ERDS2TJ153	15K 1/4
R210	ERDS2TJ122	1.2K 1/4
R211	ERDS2TJ332	3.3K 1/4
R212	ERDS2TJ472	4.7K 1/4
R213	ERDS2TJ683	68K 1/4
R214	ERDS2TJ273	27K 1/4
R215	ERDS2TJ222	2.2K 1/4
R216	ERDS2TJ101	100 1/4
R217	ERDS2TJ223	22K 1/4
R218	ERDS2TJ473	47K 1/4
R219	ERDS2TJ392	3.9K 1/4
R220	ERDS2TJ2R2	2.2 1/4
R221	ERDS2TJ101	100 1/4
R222	ERDS2TJ222	2.2K 1/4
R224	ERDS2TJ103	10K 1/4
R250	ERDS2TJ102	1K 1/4
R251	ERDS2TJ103	10K 1/4
R252	ERDS2TJ223	22K 1/4
R253	ERDS2TJ103	10K 1/4
R254	ERDS2TJ223	22K 1/4
R255	ERDS2TJ104	100K 1/4
R256	ERDS2TJ472	4.7K 1/4
R257	ERDS2TJ472	4.7K 1/4
R258	ERDS2TJ102	1K 1/4
R301	ERDS2TJ332	3.3K 1/4
R302	ERDS2TJ334	330K 1/4
R303	ERDS2TJ102	1K 1/4
R304	ERDS2TJ6R8T	6.8 1/4
R305	ERDS2TJ471	470 1/4
R306	ERDS2TJ561	560 1/4
R307	ERDS2TJ472	4.7K 1/4
R308	ERDS2TJ332	3.3K 1/4
R309	ERDS2TJ562	5.6K 1/4
R310	ERDS2TJ101	100 1/4
R311	ERDS2TJ333	33K 1/4
R312	ERDS2TJ104	100K 1/4
R313	ERDS2TJ102	1K 1/4
R314	ERDS2TJ6R8T	6.8 1/4
R315	ERDS2TJ104	100K 1/4
R316	ERDS2TJ680	68 1/4
R317	ERDS2TJ335T	3.3M 1/4
R319	ERDS2TJ680	68 1/4
R320	ERDS2TJ471	470 1/4
R321	ERDS2TJ222	2.2K 1/4
R322	ERDS2TJ561	560 1/4
R323	ERDS2TJ472	4.7K 1/4
R324	ERDS2TJ103	10K 1/4
R350	ERDS2TJ221	220 1/4
R401	ERG12SJ270E	
R501	ERDS2TJ153	15K 1/4
R502	ERDS2TJ123	12K 1/4
R503	ERDS2TJ102	1K 1/4
R504	ERDS2TJ103	10K 1/4
R506	ERDS2TJ105	1M 1/4
R507	ERDS2TJ103	10K 1/4
CAPACITORS(VALUE,VOLTAGE)		
C1	RCBS1H120JC	12P 50
C2	RCBS1H270JL	27P 50
C3	RCBC1H470JL	47P 50
C4	RCBS1H100JC	10P 50
C5	RCBC1H470JL	47P 50

Ref. No.	Part No.	Value.
C6	RCBC1H4R7KC	4.7P 50
(E, EB)		
C6	RCBS1H5R6KC	5.6P 50
(EG)		
C7	RCBS1H3R3KC	3.3P 50
C9	RCBS1H180JC	18P 50
(E, EB)		
C9	RCBS1H200JC	20P 50
(EG)		
C10	RCBS1H102KB	0.001 50
C11	RCBS1H102KB	0.001 50
C12	ECFT1C223MD	0.022 16
C13	RCBC1H4R7KC	4.7P 50
C14	RCBS1H180JC	18P 50
C15	RCBC1H470JL	47P 50
C16	ECCT1H180KS	18P 50
(EG)		
C16	RCBS1H150JC	15P 50
(E, EB)		
C17	RCBS1H102KB	0.001 50
C18	RCBS1H8R2KCY	8.2P 50
C19	RCBS1H200JC	20P 50
C20	RCBS1H100JC	10P 50
C21	RCBS1C103NYY	0.01 16
C22	ECQP2A221JZ	220P 100
C23	ECQP2A361JZ	360P 100
C24	ECQP1392JZ	0.0039 100
C25	ECQP2A151JZ	150P 100
C26	RCBS1H102KB	0.001 50
C27	ECFT1C223MD	0.022 16
C28	ECEA1HU2R2	2.2 50
C29	ECFT1C223MD	0.022 16
C30	ECFT1C223MD	0.022 16
C31	RCBC1H331KB	330P 50
C32	ECFT1C223MD	0.022 16
C33	ECEA0JU101B	100 6.3
C34	RCBS1C103MYY	0.01 16
C35	ECFT1C223MD	0.022 16
C36	RCBS1C103MYY	0.01 16
C37	ECEA1HU010	1 50
C38	ECEA1CU100	10 16
C39	ECEA0JU101B	100 6.3
C40	RCBS1C103MYY	0.01 16
C41	ECQP2A102JZT	0.001 100
C42	ECEA50ZR47E	0.47 50
C43	ECEA50ZR47E	0.47 50
C44	ECEA1HU2R2	2.2 50
C45	RCBS1H102KB	0.001 50
C101	ECEA1HU010	1 50
C102	RCBS1H101KB	100P 50

Ref. No.	Part No.	Value.
C103	RCBS1H471KB	470P 50
C104	ECFV1C104MD	0.1 16
C105	ECEA1EU4R7	10 50
C106	RCBS1H102KB	0.001 50
C107	ECEA1HU010	1 50
C108	RCBS1C103MYY	0.01 16
C109	ECEA0JU470	47 6.3
C110	RCBS0J153MYY	0.015 6.3
C111	ECEA1HU010	1 50
C113	ECFT1C223MD	0.022 16
C114	RCBS1C222MX	0.0022 16
C115	ECEA0JU101B	100 6.3
C116	RCBS1C103NYY	0.01 16
C117	ECEA1AU470	47 10
C118	ECFV1E473MD	0.047 25
C119	ECEA1AU102	1000 10
C120	ECFV1E683MD	0.068 25
C121	ECEA1HU010	1 50
C123	ECFV1C104MD	0.1 16
C150	RCBS0J223MYY	0.022 6.3
C151	ECFV1E683MD	0.068 25
C152	ECEA1HU010	1 50
C153	RCBS1C472MX	0.0047 16
C154	ECFV1C104MD	0.1 16
C155	RCBS0J153MYY	0.015 6.3
C156	ECEA1HUR33	0.33 50
C157	ECEA1HU010	1 50
C158	RCBS1H471KB	470P 50
C159	ECEA1CU100	10 16
C160	ECEA1CU100	10 16
C161	ECEA1HU010	1 50
C162	ECEA1HUR22	0.22 50
C163	ECFV1E683MD	0.068 25
C164	ECEA1HU0R1	0.1 50
C201	ECEA1HU010	1 50
C202	RCBS1H101KB	100P 50
C203	RCBS1H471KB	470P 50
C204	ECFV1C104MD	0.1 16
C205	ECEA1EU4R7	10 50
C206	RCBS1H102KB	0.001 50
C207	ECEA1HU010	1 50
C208	RCBS1C103MYY	0.01 16
C209	ECEA0JU470	47 6.3
C210	RCBS0J153MYY	0.015 6.3
C211	ECEA1HU010	1 50
C213	ECFT1C223MD	0.022 16
C214	RCBS1C222MX	0.0022 16
C215	ECEA0JU101B	100 6.3
C216	RCBS1C103NYY	0.01 16
C217	ECEA1AU470	47 10

Ref. No.	Part No.	Value.
C218	ECFV1E473MD	0.047 25
C219	ECEA1AU102	1000 10
C220	ECFV1E683MD	0.068 25
C221	ECEA1HU010	1 50
C223	ECFV1C104MD	0.1 16
C250	RCBS0J223MYY	0.022 6.3
C251	ECFV1E683MD	0.068 25
C252	ECEA1HU010	1 50
C253	RCBS1C472MX	0.0047 16
C254	ECFV1C104MD	0.1 16
C255	RCBS0J153MYY	0.015 6.3
C256	ECEA1HUR33	0.33 50
C257	ECEA1HU010	1 50
C258	RCBS1H471KB	470P 50
C259	ECEA1CU100	10 16
C260	ECEA1CU100	10 16
C261	ECEA1HU010	1 50
C262	ECEA1HUR22	0.22 50
C263	ECFV1E683MD	0.068 25
C264	ECEA1HU0R1	0.1 50
C301	ECCT1H181K	180P 50
C302	ECEA0JU221	220 6.3
C303	ECFV1E473MD	0.047 25
C304	RCBS1H102KB	0.001 50
C305	ECQP1272JZ	0.0027 100
C306	ECEA1HU010	1 50
C307	ECEA0JU221	220 6.3
C308	ECFV1C104MD	0.1 16
C309	ECEA0JU471	470 6.3
C310	ECEA1CU100	10 16
C311	ECFT1C223MD	0.022 16
C312	RCBS1C103MYY	0.01 16
C313	ECEA1EU4R7	10 50
C314	ECEA1CU100	10 16
C315	ECEA0JU221	220 6.3
C317	RCBS1C103NYY	0.01 16
C318	ECEA1AU221	220 10
C319	ECEA1CU100	10 16
C320	ECEA1CV221SE	220 16
C321	ECEA1CS222	2200 16
C322	ECKD1H103ZF	0.01 50
C323	RCBS1H181KB	180P 50
C324	ECCT1H181K	180P 50
C326	ECCD1H331K	330P 50
C350	ECEA0JU471	470 6.3
C401	ECKD1H103ZF	0.01 50
C402	ECKD1H103ZF	0.01 50
C403	ECKD1H103ZF	0.01 50
C404	ECKD1H103ZF	0.01 50
C405	ECEA1CU101	100 16
C501	ECEA1CU330	33 16
C502	ECEA1CV221SE	220 16

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