

Service Manual

Radio Cassette

RX-CS750

Portable Stereo Component System

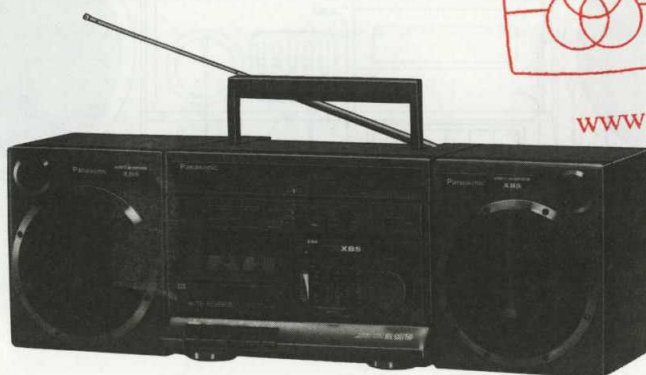
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Color

(K) Black Type



Area

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

RX-CS750 MECHANISM SERIES

■ SPECIFICATIONS

General:

Power Requirement: AC; (E) (EG) .. 220 V, 50 Hz
(EB) 240 V, 50 Hz
Battery; 15 V (10 UM-1 "R20/LR20"
Batteries)
DC IN; 13.2 V (12~15 V)
Power Consumption: 45 W (AC only)
Power Output: 22 W (11 W×2)...RMS (max.)
60 W (30 W×2)...PMPO
Speaker: Woofer; 16 cm PM Dynamic Speaker
(2.7Ω)
Tweeter; 2 cm Ceramic Speaker
Jacks:
Input; CD/AUX; 316 mV, 47 kΩ
EXT. MIC; 0.32 mV (200~600Ω), Ø3.5
Output; EXT. SP; 2.7~8Ω
HEADPHONES; 32Ω, Ø3.5
Dimensions: 652 (W)×218 (H)×196 (D)
Main Unit;
299 (W)×218 (H)×196 (D)
Speaker Box;
185 (W)×218 (H)×183 (D)
Weight: 6.0 kg without batteries

Radio Section:

Radio Frequency Range: FM; 87.5~108 MHz
LW; 148.5~285 kHz
MW; 520~1610 kHz
SW; 5.9~18.0 MHz
Intermediate Frequency: FM; 10.7 MHz
AM; 459 kHz
Sensitivity: FM; 2 µV/50 mW output
(-3 dB Limit Sens)
LW; 224 µV/m/50 mW output
MW; 178 µV/m/50 mW output
SW; 10 µV/50 mW output

Tape Deck Section:

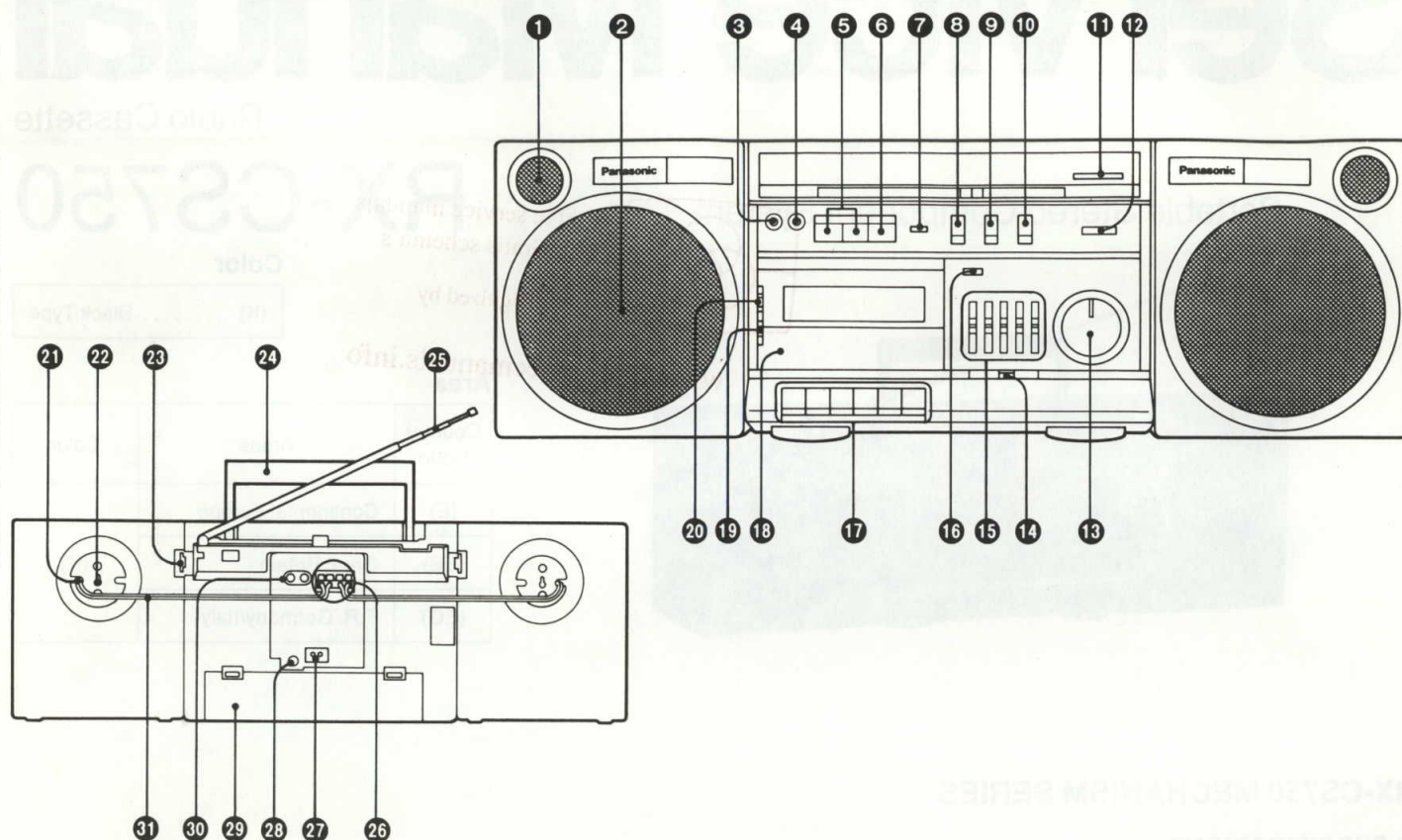
Frequency Response: Normal; 60~12,000 Hz
CrO₂; 60~13,000 Hz
Recording System: AC bias, Magnet erase
Tape Speed: 4.8 cm/s
Track System: 4-track 2-channel stereo recording and playback

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



1 Speakers [Tweeter] (2 cm)

2 Speakers [Woofer] (16 cm, 2.7Ω)

3 Headphones Jack (PHONES) (Ø3.5, 32Ω)

- When using the headphones, avoid listening to sound at excessive volume levels, because it may injure your ears.

- Speakers are automatically cut off when headphones are connected.

4 External Microphone Jack (EXT MIC) (Ø3.5, 200~600Ω)

5 Operation/Battery Check/Tape Direction Indicators (OPERATION/BATT/REVERSE • FORWARD)

6 FM Stereo Indicator (FM STEREO)

7 Tape Selector (TAPE SELECTOR)

8 FM Mode Selector/Beat Proof Switch (FM MODE/B.P)

9 Function Selector (SELECTOR)

10 Band Selector (BAND)

11 Tuning Control (TUNING)

12 Fine Tuning Control (FINE TUNING)

13 Volume Control (VOLUME)

14 Balance Control (BALANCE)

15 Graphic Equalizer Controls (GRAPHIC EQUALIZER)

"100 Hz" Control functions as an XBS Level Control.

16 XBS (Extra Bass System) Switch

17 Tape Operation Buttons

Record Button (• **RECORD**)
 Playback Button (▶ **PLAY**)
 Fast Buttons (◀◀ • ▶▶ **FAST**)
 Stop/Eject Button (■/▲ **STOP/EJECT**)
 Pause Button (|| **PAUSE**)

18 Cassette Compartment

19 Reverse Mode Selector (REVERSE MODE)

20 Direction Button (DIRECTION)

21 Speaker Cable Compartments

22 Speaker Wall Mounts

23 Speaker Release Levers (RELEASE)

24 Handle

25 Telescopic Antenna

26 Speaker Terminals [SPEAKER (IMP 2.7~8Ω)]

27 AC Socket (AC IN ~)

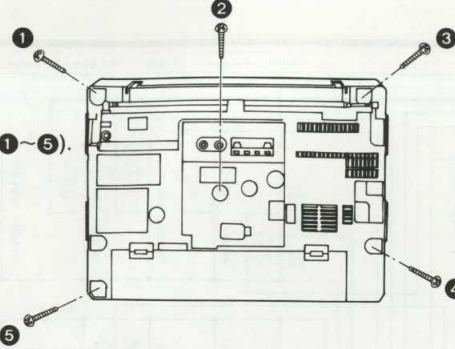
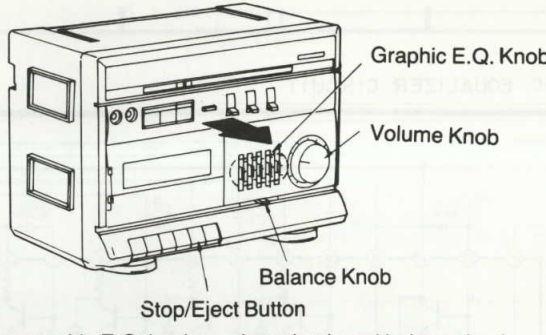
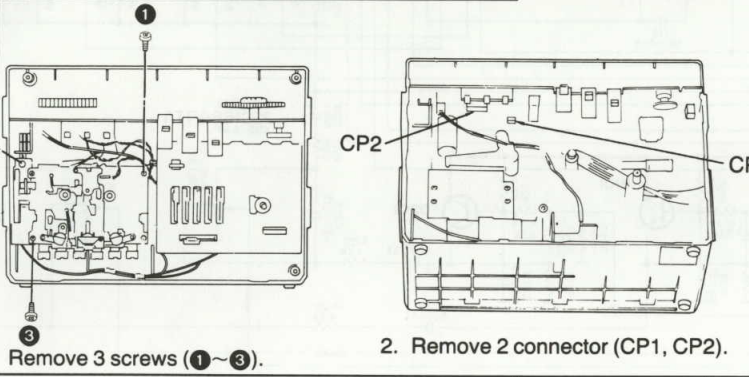
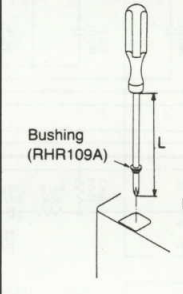
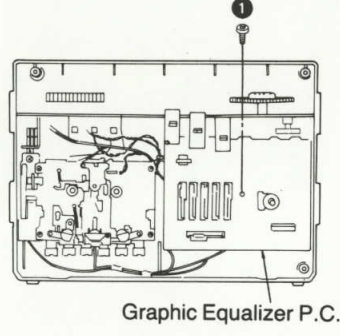
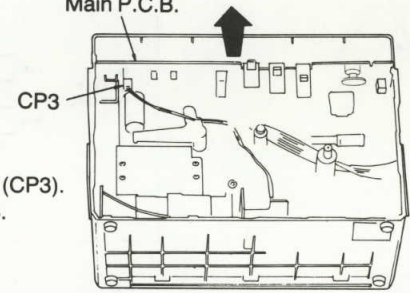
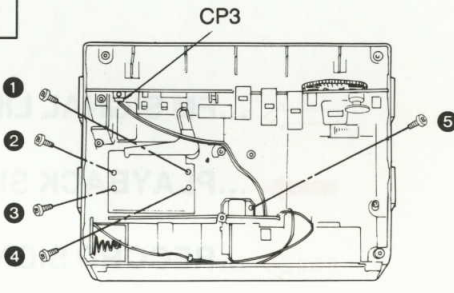
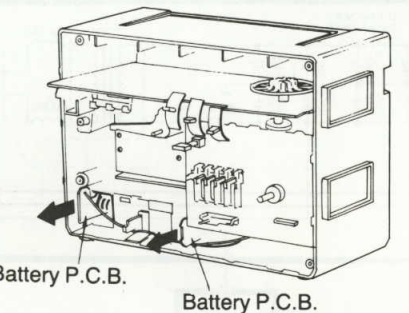
28 DC Input Jack [DC IN 13.2 V (12~15 V (⊖ ⊕))]

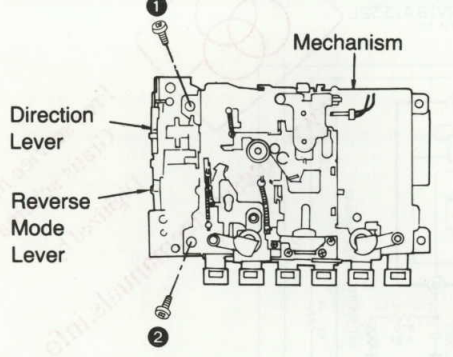
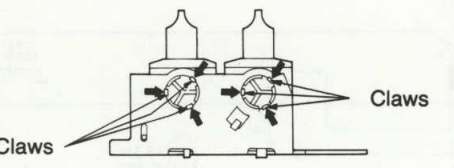
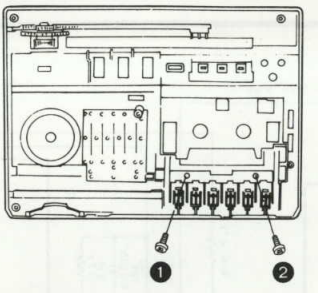
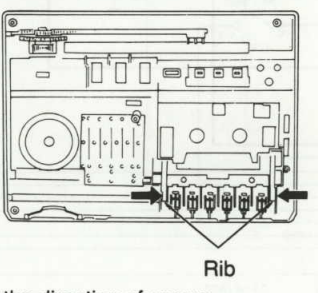
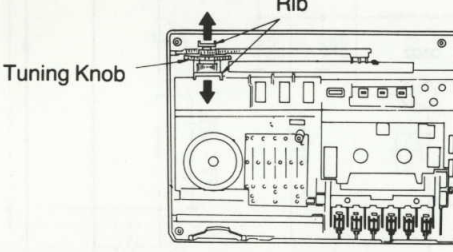
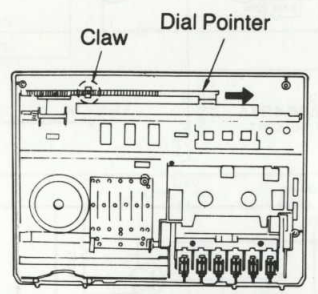
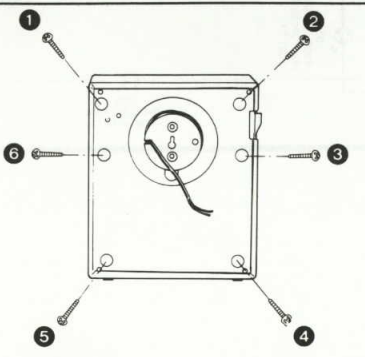
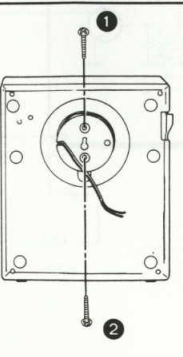
29 Battery Compartment

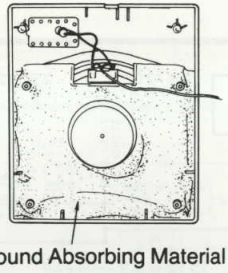
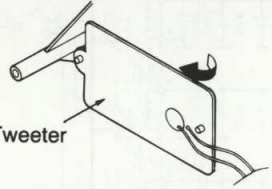
30 CD/AUX Input Jacks (CD/AUX IN) (316 mV, 47 kΩ)

31 Speaker Cables

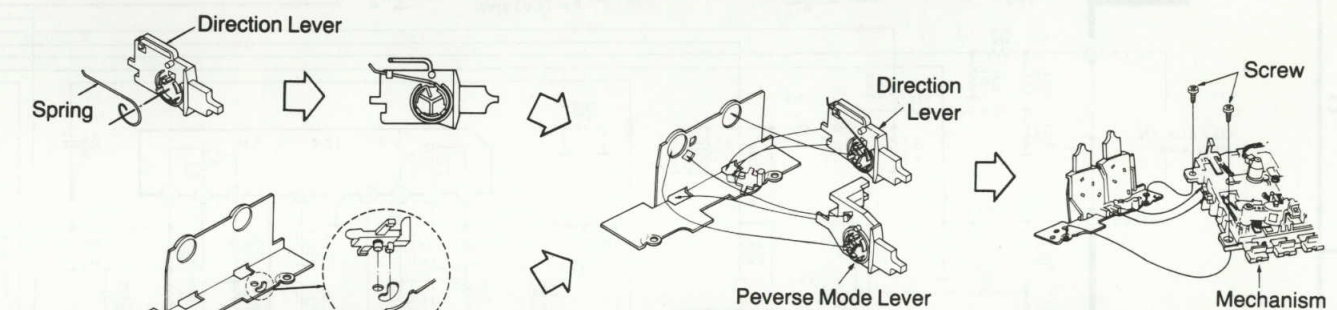
DISASSEMBLY INSTRUCTIONS

Ref. No. 1	Removal of the Front Cabinet	Procedure 1	 1. Remove 5 screws (1-5).  2. Remove graphic E.Q. knobs, volume knob and balance knob. 3. Press the stop/eject button then open the cassette lid. 4. Remove the front cabinet in the direction of arrow.
Ref. No. 2	Removal of the Mechanism	Procedure 1-2	 1. Remove 3 screws (1-3). 2. Remove 2 connector (CP1, CP2). [Removal of Screws] • Use a screwdriver similar to the one in the figure.  • If you attach a bushing (part number: RHR109A) to the tip of the screwdriver as shown in the figure, the screwdriver tip will easily fit in the screw heads and you will be able to remove the screws with ease. L = 150 mm or longer.
Ref. No. 3	Removal of the Graphic E.Q. P.C.B.	Procedure 1-3	 1. Remove the screw (1). Graphic Equalizer P.C.B.
Ref. No. 4	Removal of the Main P.C.B.	Procedure 1-2-3-4	 1. Remove the connector (CP3). 2. Pull out the main P.C.B.
Ref. No. 5	Remove of the Power P.C.B.	Procedure 1-2-3-5	 1. Remove 5 screws (1-5). 2. Remove the connector (CP3).
Ref. No. 6	Removal of the Battery P.C.B.	Procedure 1-2-6	 • Remove the battery P.C.B. in the direction of arrows.

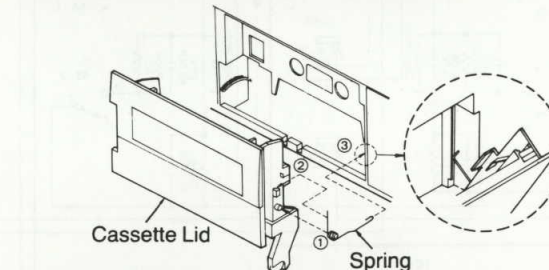
Ref. No. 7	Removal of the Direction Lever and Reverse Mode Lever	Procedure 1-2-7	 1. Remove 2 screws (1, 2).  2. Release 6 claws in the direction of arrows.
Ref. No. 8	Removal of the Mechanism Button	Procedure 1-8	 • Remove 2 screws (1, 2).
Ref. No. 9	Removal of the Cassette Lid	Procedure 1-9	 • Remove 2 ribs in the direction of arrows.
Ref. No. 10	Removal of the Tuning Knob	Procedure 1-10	 • Remove 2 ribs in the direction of arrows.
Ref. No. 11	Removal of the Dial Pointer	Procedure 1-10-11	 • Remove the claw and remove the dial pointer in the direction of arrow.
Ref. No. 12	Removal of the Speaker's Front Cabinet	Procedure 12	 • Remove 6 screws (1-6).
Ref. No. 13	Removal of the Speaker Wall Mount	Procedure 13	 • Remove 2 screws (1, 2).

Ref. No. 14	Removal of the Speaker (Woofer)	Procedure 12-14	 1. Remove the sound absorbing material. 2. Remove 4 screws (1-4).
Ref. No. 15	Removal of the Speaker (Tweeter)	Procedure 12-15	 • Detach the tweeter in the direction of arrow. Note: The tweeter has been attached to the cabinet with double-sided adhesive tape.

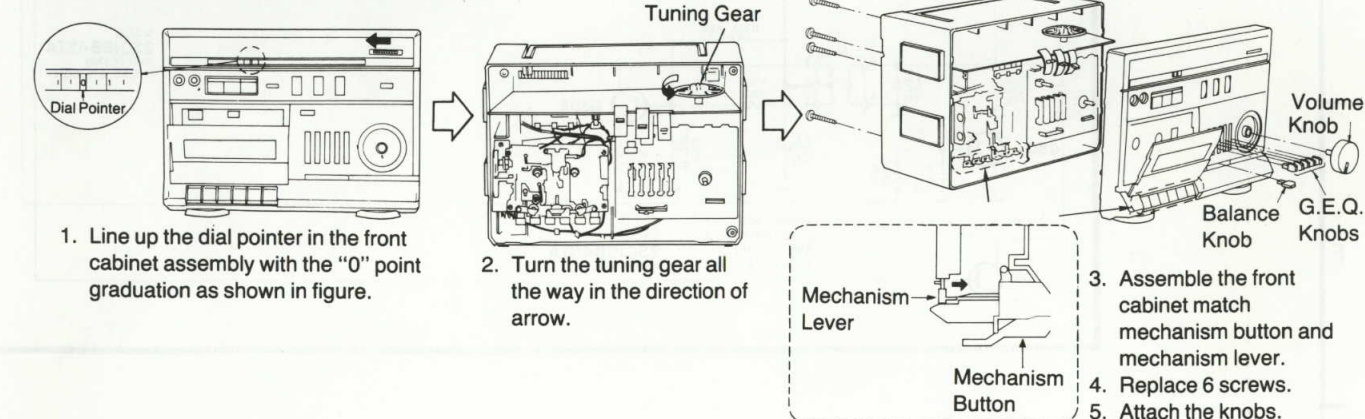
DIRECTION LEVER AND REVERSE MODE LEVER ASSEMBLY

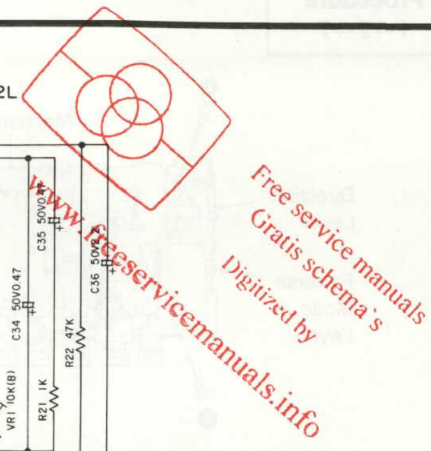


CASSETTE LID ASSEMBLY

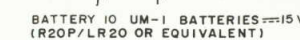


FRONT CABINET ASSEMBLY





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



MEASUREMENTS AND ADJUSTMENTS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT					
1. Set volume control to maximum.			6. Set Graphic EQ to center.		
2. Set balance control to center.			7. Set power source voltage to 15 V DC.		
3. Set band switch to LW, MW, SW or FM ST.			8. Set FM mode/B.P switch to STEREO/III.		
4. Set function selector to radio or tape.			9. Output of signal generator should be no higher than necessary to obtain an output reading.		
5. Set Fine tuning control to center.					

■ AM ALIGNMENT

BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER or OSCILLOSCOPE)	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
AM-IF ALIGNMENT						
(1)	AM	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. 4, 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.	"	L7 (LW OSC Coil) "
(3)	LW	"	297 kHz	Tuning capacitor fully open.	"	CT6 (LW OSC Trimmer) "
(4)	LW	"	145 kHz	Tune to signal.	"	(*1) L3-1 (LW ANT Coil) Adjust for maximum output. Adjust L3-1 by moving the ferrite core.
(5)	LW	"	285 kHz	"	"	CT5 (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.	"	L5 (MW OSC Coil) Adjust for maximum output.
(7)	MW	"	(E) (EB) ...1650 kHz (EG)...1639 kHz	Tuning capacitor fully open.	"	CT4 (MW OSC Trimmer) "
(8)	MW	"	550 kHz	Tune to signal.	"	(*2) L3-2 (MW ANT Coil) Adjust for maximum output. Adjust L3-2 by moving the ferrite core.
(9)	MW	"	1500 kHz	"	"	CT1-2 (MW 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. 4, and then connect the lead wires of the plug to the measuring instrument.	L9 (SW OSC Coil)	Adjust for maximum output.
(11)	SW		18.8 MHz	Tuning capacitor fully open.	”	CT1-4 (SW OSC Trimmer)	”
(12)	SW		5.9 MHz	Tune to signal.	”	L13 (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 μ F to test point TP4 , 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 TP3 . Negative side to test point TP5 .	T1 (FM 1st IFT)	Wave form is shown Fig. 2.
(14)	FM	"	"	"	"	T3 (FM 2nd IFT)	Wave form is shown Fig. 3.
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)...87.5 MHz	Variable capacitor fully closed.	Headphones Jack (32 Ω) Fabricate the plug as shown in Fig. 4, and then connect the lead wires of the plug to the measuring instrument.	L6 (FM OSC Coil)	(*2)Adjust for maximum output.
(16)	FM		(E) (EB) ...109.2 MHz (EG)...109.3 MHz	Variable capacitor fully open.	"	(E) (EB)...CT1-3 (EG)...CT8 (FM OSC Trimmer)	"
(17)	FM		106 MHz	Tune to signal.	"	CT1-1 (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 GENERATOR 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 .	TP6 ...(+) TP7 ...(-)	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 shown in Fig. 4, and then connect the lead wires of the plug to the measuring instrument.)	Azimuth screw (Shown in Fig. 5)	Maximum output	● Playback mode.

■ TAPE SPEED ADJUSTMENT

TEST TAPE	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
QZZCWAT (3 kHz)	Headphones Jack (32Ω) (Fabricate the plug shown in Fig. 4, and then connect the lead wires of the plug to the measuring instrument.)	Motor VR (Shown in Fig. 6)	3000±90 Hz	1. Playback mode. 2. Adjust motor VR, for 3000±90 Hz reading on frequency counter.

■ ALIGNMENT POINT

● Please refer to Circuit Board and Wiring Connection Diagram for test point locations.

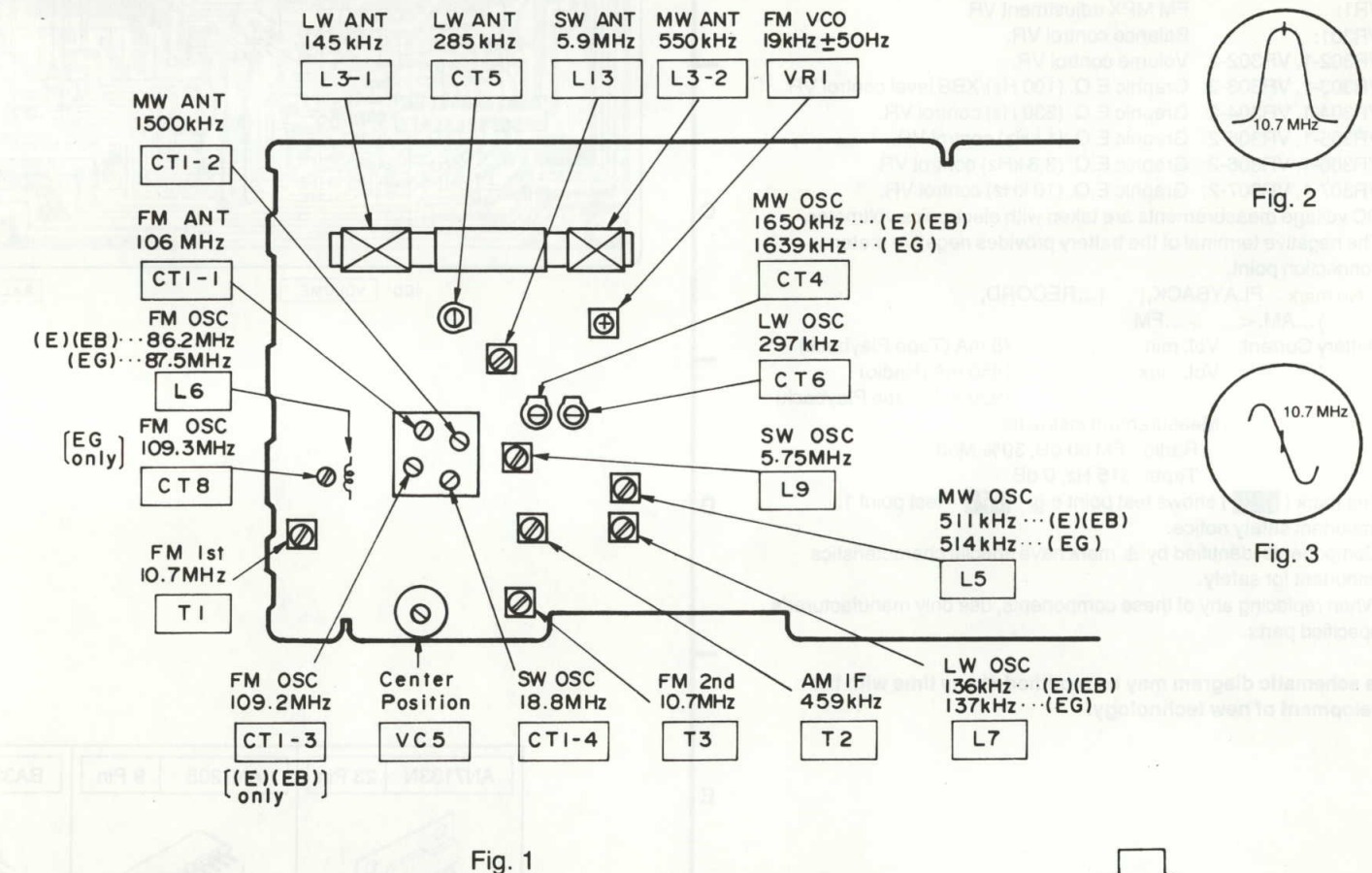


Fig. 1

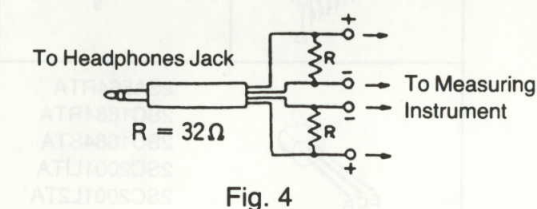


Fig. 4

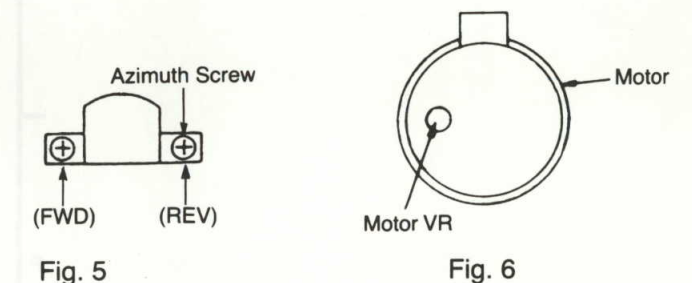


Fig. 5

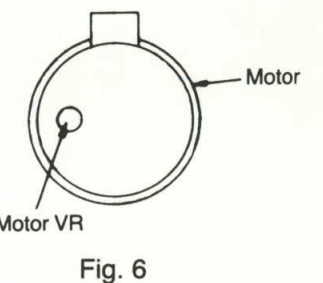


Fig. 6

Notes : * Capacity value are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k (OHM)

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
		RESISTORS						
R2	ERDS2TJ220T	1/4 22	R131	ERDS2TJ473T	1/4 47K	R302	ERDS2TJ152T	1/4 1.5K
R4	ERDS2TJ101T	1/4 100	R132	ERDS2TJ103T	1/4 10K	R303	ERDS2TJ223T	1/4 22K
R5	ERDS2TJ4R7T	1/4 4.7	R133	ERDS2TJ334T	1/4 330K	R304	ERDS2TJ101T	1/4 100
R7	ERDS2TJ221T	1/4 220	R134	ERDS2TJ331T	1/4 330	R305	ERDS2TJ6R8T	1/4 6.8
R8	ERDS2TJ101T	1/4 100	R135	ERDS2TJ271T	1/4 270	R306	ERDS2TJ472T	1/4 4.7K
R9	ERDS2TJ560T	1/4 56	R136	ERDS2TJ104T	1/4 100K	R307	ERDS2TJ274T	1/4 270K
R10	ERDS2TJ392T	1/4 3.9K	R137	ERDS2TJ334T	1/4 330K	R308	ERDS2TJ121T	1/4 120
R11	ERDS2TJ822T	1/4 8.2K	R138	ERDS2TJ222T	1/4 2.2K	R310	ERDS2TJ331T	1/4 330
R13	ERDS2TJ222T	1/4 2.2K	R139	ERDS2TJ391T	1/4 390	R311	ERDS2TJ152T	1/4 1.5K
R14	ERDS2TJ472T	1/4 4.7K	R140	ERDS2TJ682T	1/4 6.8K	R312	ERDS2TJ152T	1/4 1.5K
R15	ERDS2TJ222T	1/4 2.2K	R141	ERDS2TJ103T	1/4 10K	R313	ERDS2TJ222T	1/4 2.2K
R16	ERDS2TJ472T	1/4 4.7K	R142	ERDS2TJ223T	1/4 22K	R316	ERDS2TJ561T	1/4 560
R17	ERDS2TJ472T	1/4 4.7K	R143	ERDS2TJ154T	1/4 150K	R317	ERDS2TJ152T	1/4 1.5K
R18	ERDS2TJ821T	1/4 820	R145	ERDS2TJ220T	1/4 22	R318	ERDS2TJ331T	1/4 330
R19	ERDS2TJ821T	1/4 820	R201	ERDS2TJ153T	1/4 15K	R319	ERDS2TJ151T	1/4 150
R20	ERDS2TJ822T	1/4 8.2K	R202	ERDS2TJ123T	1/4 12K	R320	ERDS2TJ102T	1/4 1K
R21	ERDS2TJ102T	1/4 1K	R203	ERDS2TJ822T	1/4 8.2K	R321	ERDS2TJ473T	1/4 47K
R22	ERDS2TJ473T	1/4 47K	R204	ERDS2TJ560T	1/4 56	R322	ERDS2TJ682T	1/4 6.8K
R23	ERDS2TJ330T	1/4 33	R205	ERDS2TJ222T	1/4 2.2K	R323	ERDS2TJ103T	1/4 10K
R24	ERDS2TJ470T	1/4 47	R206	ERDS2TJ473T	1/4 47K	R324	ERDS2TJ222T	1/4 2.2K
R25	ERDS2TJ100T	1/4 10	R207	ERDS2TJ153T	1/4 15K	R325	ERDS2TJ272T	1/4 2.7K
R26	ERDS2TJ562T	1/4 5.6K (EG)	R210	ERDS2TJ153T	1/4 15K	R326	ERDS2TJ472T	1/4 4.7K
R27	ERDS2TJ103T	1/4 10K	R212	ERDS2TJ103T	1/4 10K	R327	ERDS2TJ182T	1/4 1.8K
R31	ERDS2TJ334T	1/4 330K	R213	ERDS2TJ102T	1/4 1K	R328	ERDS2TJ182T	1/4 1.8K
R32	ERDS2TJ471T	1/4 470	R215	ERDS2TJ222T	1/4 2.2K	R329	ERDS2TJ471T	1/4 470
R33	ERDS2TJ820T	1/4 82	R216	ERDS2TJ472T	1/4 4.7K	R330	ERDS2TJ822T	1/4 8.2K
R101	ERDS2TJ153T	1/4 15K	R218	ERDS2TJ103T	1/4 10K	R331	ERDS2TJ560T	1/4 56
R102	ERDS2TJ123T	1/4 12K	R219	ERDS2TJ223T	1/4 22K	R332	ERDS2TJ1R0T	1/4 1
R103	ERDS2TJ822T	1/4 8.2K	R220	ERDS2TJ224T	1/4 220K	R333	ERDS2TJ221T	1/4 220
R104	ERDS2TJ560T	1/4 56	R221	ERDS2TJ472T	1/4 4.7K	R334	ERDS2TJ223T	1/4 22K
R105	ERDS2TJ222T	1/4 2.2K	R222	ERDS2TJ472T	1/4 4.7K	R335	ERDS2TJ224T	1/4 220K
R106	ERDS2TJ473T	1/4 47K	R223	ERDS2TJ104T	1/4 100K			
R107	ERDS2TJ153T	1/4 15K	R228	ERDS2TJ2R2T	1/4 2.2			CAPACITORS
R110	ERDS2TJ153T	1/4 15K	R229	ERDS2TJ151T	1/4 150			
R112	ERDS2TJ103T	1/4 10K	R231	ERDS2TJ473T	1/4 47K	C1	RCBS1H470JLY	50V 47P
R113	ERDS2TJ102T	1/4 1K	R232	ERDS2TJ103T	1/4 10K	C2	RCBS1H100JCY	50V 10P (E) (EB)
R115	ERDS2TJ222T	1/4 2.2K	R233	ERDS2TJ334T	1/4 330K	C2	RCBS1H120JCY	50V 12P (EG)
R116	ERDS2TJ472T	1/4 4.7K	R234	ERDS2TJ331T	1/4 330	C3	RCBS1H100JCY	50V 10P
R118	ERDS2TJ103T	1/4 10K	R235	ERDS2TJ271T	1/4 270	C4	RCBS1H102KBY	50V 0.001
R119	ERDS2TJ223T	1/4 22K	R236	ERDS2TJ104T	1/4 100K	C5	RCBS1H200JCY	50V 20P
R120	ERDS2TJ224T	1/4 220K	R237	ERDS2TJ334T	1/4 330K	C6	RCBS1H102KBY	50V 0.001
R121	ERDS2TJ472T	1/4 4.7K	R238	ERDS2TJ222T	1/4 2.2K	C7	RCBS1C103MY	50V 0.01
R122	ERDS2TJ472T	1/4 4.7K	R239	ERDS2TJ391T	1/4 390	C8	RCBS1H150JCY	50V 15P
R123	ERDS2TJ104T	1/4 100K	R240	ERDS2TJ682T	1/4 6.8K	C9	RCBS1H4R7KCY	50V 4.7P
R128	ERDS2TJ2R2T	1/4 2.2	R241	ERDS2TJ103T	1/4 10K	C10	RCBS1H180JCY	50V 18P
R129	ERDS2TJ151T	1/4 150	R242	ERDS2TJ223T	1/4 22K	C11	RCBS1H470JLY	50V 47P
			R243	ERDS2TJ154T	1/4 150K	C12	RCBS1H200JCY	50V 20P (E) (EB)
			R245	ERDS2TJ220T	1/4 22	C12	ECCT1H220JR	50V 22P (EG)
			R301	ERDS2TJ102T	1/4 1K	C13	RCBS1C103MY	16V 0.01

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
C14	RCBS0J223MY	6.3V 0.022	C116	RCBS1C332MY	16V 0.0033	C233	ECEA1CU222E	16V 0.0022
C16	ECFT1C223MDY	16V 0.022	C117	ECEA1HU2R2B	50V 2.2	C234	ECEA0JU101B	6.3V 100
C17	RCBS1H331KBY	50V 330P	C118	ECEA1HUR33B	50V 0.33	C235	RCBS1H471KBY	50V 470P
C18	ECFT1C223MDY	16V 0.022	C119	ECEA1HU0R1B	50V 0.1	C236	ECQV1H224JZ3	50V 0.22
C19	ECEA0JU221B	6.3V 220P	C120	ECFT1C333MDY	16V 0.033	C237	RCBS1C222MY	16V 0.0022
C20	RCBS1C103MY	16V 0.01	C121	ECFT1C153MDY	16V 0.015	C238	RCBS1H221KBY	50V 220P
C21	RCBS1C103MY	16V 0.01	C122	RCBS1C103MY	16V 0.01	C302	ECFT1C223MDY	16V 0.022
C22	RCBS0J223NY	6.3V 0.022	C123	ECFT1C563MDY	16V 0.056	C303	RCBS1C222MY	16V 0.022
C23	ECEA1HU4R7B	50V 4.7	C124	RCBS1C103MY	16V 0.01	C304	ECQV1272JZT	100V 0.0027
C24	ECFT1C153MDY	16V 0.015	C125	RCBS1C152MY	16V 0.0015	C305	ECCT1H181K	50V 180P
C25	ECEA1HU010B	50V 1	C126	ECEA1HUR33B	50V 0.33	C306	ECKT1H103ZF	50V 0.001
C27	ECEA1HU010B	50V 1	C127	ECEA1HUR22B	50V 0.22	C307	ECEA0JU101B	6.3V 100
C29	ECFT1C153MDY	16V 0.015	C128	ECFT1C333MDY	16V 0.033	C308	ECEA1HU3R3B	50V 3.3
C30	ECEA1HU010B	50V 1	C129	ECEA1HU010B	50V 1	C309	ECEA1AU221B	100V 220
C31	ECFT1C153MDY	16V 0.015	C131	ECEA1HUR33B	50V 0.33	C310	ECEA1CU470B	16V 47
C32	ECFT1C153MDY	16V 0.015	C132	ECEA1EU101B	25V 100	C311	ECEA1AU221B	10V 220
C33	ECQV2A102JZT	100V 0.001	C133	ECEA1CU222E	16V 2200	C312	ECEA1CU100B	16V 10
C34	ECEA1HUR47B	50V 0.47	C134	ECEA0JU101B	6.3V 100	C313	ECEA1EU4R7B	25V 4.7
C35	ECEA1HUR47B	50V 0.47	C135	RCBS1H471KBY	50V 470P	C314	ECEA1EU221B	25V 220
C36	ECEA1HU2R2B	50V 2.2	C136	ECQV1H224JZ3	50V 0.22	C315	ECEA0JU470B	6.3V 47
C37	RCBS1H102KBY	50V 0.001	C137	RCBS1C222MY	16V 0.0022	C316	ECEA1CU470B	16V 47
C39	RCBS1H102KBY	50V 0.001	C138	RCBS1H221KBY	50V 220P	C317	ECEA1EU472	25V 0.0047
C40	ECEA1HU2R2B	50V 2.2	C201	ECEA1HU010B	50V 1	C318	ECEA1EU470B	25V 47
C41	RCBS1H100JCY	50V 10P	C202	RCBS1H102KBY	50V 0.001	C319	ECEA1EU4R7B	25V 4.7
C42	RCBS1H220JCY	50V 22P	C203	RCBS1H101KBY	50V 100P	C321	ECQV1H104JZ3	50V 0.1
C43	RCBS1H470JLY	50V 47P	C204	RCBS0J153MY	6.3V 0.015	C322	ECQV1N104JZ3	50V 0.1
C44	RCBS1H1R5MY	50V 1.5P	C205	ECEA0JU470B	6.3V 47	C323	ECQV1H104JZ3	50V 0.1
C45	RCBS1H2R2KCY	50V 2.2P	C206	ECEA1EU4R7B	25V 4.7	C324	ECQV1H104JZ3	50V 0.1
C46	RCBS1H120JCY	50V 12P	C207	RCBS1H102KBY	50V 0.001	C325	ECEA0JU221B	6.3V 220
C47	RCBS1H100JCY	50V 10P	C208	RCBS1C152MY	16V 0.0015	C326	RCBS1H331KBY	50V 330P
C48	ECQV2A221JZT	100V 220P	C209	RCBS1C103MY	16V 0.01	C327	RCBS1H102KBY	50V 0.001
C49	ECQV2A151JZT	100V 150P	C211	ECEA1HU010B	50V 1	C328	RCBS1H470JLY	50V 47P
C50	ECQV2A361JZT	100V 360P	C212	ECEA1HU010B	50V 1	C329	RCBS1H331KBY	50V 330P
C51	ECQV1392JZT	100V 0.0039	C213	ECEA1CU100B	16V 10	C332	ECKT1H471KB	50V 470P
C52	ECFT1C333MDY	16V 0.033	C214	RCBS1H471KBY	50V 470P	C333	ECKT1H103ZF	50V 0.01
C54	RCBS1H331KBY	50V 330P	C215	RCBS1H102KBY	50V 0.001	C350	ECEA1HUR47B	50V 0.47
C61	RCBS1C103MY	16V 0.01	C216	RCBS1C332MY	16V 0.0033			
C62	RCBS1C103NY	16V 0.01	C217	ECEA1HU2R2B	50V 2.2			
C101	ECEA1HU010B	50V 1	C218	ECEA1HUR33B	50V 0.33			
C102	RCBS1H102KBY	50V 0.001	C219	ECEA1HU0R1B	50V 0.1			
C103	RCBS1H101KBY	50V 100P	C220	ECFT1C333MDY	16V 0.033			
C104	RCBS0J153MY	6.3V 0.015	C221	ECFT1C153MDY	16V 0.015			
C105	ECEA0JU470B	6.3V 47	C222	RCBS1C103MY	16V 0.01			
C106	ECEA1EU4R7B	25V 4.7	C223	ECFT1C563MDY	16V 0.056			
C107	RCBS1H102KBY	50V 0.001	C224	RCBS1C103MY	16V 0.01			
C108	RCBS1C152MY	16V 0.0015	C225	RCBS1C152MY	16V 0.0015			
C109	RCBS1C103MY	16V 0.01	C226	ECEA1HUR33B	50V 0.33			
C111	ECEA1HU010B	50V 1	C227	ECEA1HUR22B	50V 0.22			
C112	ECEA1HU010B	50V 1	C228	ECFT1C333MDY	16V 0.033			
C113	ECEA1CU100B	16V 10	C229	ECEA1HU010B	50V 1			
C114	RCBS1H471KBY	50V 470	C231	ECEA1HUR33B	50V 0.33			
C115	RCBS1H102KBY	50V 0.001	C232	ECEA1EU101B	25V 100			

Notes : * Important safety notice:

Components identified by Δ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.

* The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.) Parts without these indications can be used for all areas.

* $\square$ Indicates in Remarks columns parts that are supplied by MESA.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUITS				VARIABLE RESISTORS	
IC1	AN7205	I. C, FRONT END		VR1	EVND4AA00B14	V. R. FM VCO	
IC2	BA4236L	I. C, IF AMP		VR301	EWAGU3C14G15	V. R. BALANCE	$\square$
IC3	RVIBAI332L	I. C, FM MPX		VR302	EWCT5AF20B54	V. R. VOLUME	$\square$
IC4	BA3312N	I. C, PRE AMP		VR303	EWAGQ6C14G54	V. R. G. E. Q. (100Hz)	$\square$
IC5	BA3822LS	I. C, G. E. Q AMP		VR304	EWAGQ6C14G54	V. R. G. E. Q. (330Hz)	$\square$
IC6	AN7133N	I. C, POWER AMP		VR305	EWAGQ6C14G54	V. R. G. E. Q. (1KHz)	$\square$
		TRANSISTORS		VR306	EWAGQ6C14G54	V. R. G. E. Q. (3.3KHz)	$\square$
				VR307	EWAGQ6C14G54	V. R. G. E. Q. (10KHz)	$\square$
						VARIABLE CAPACITORS	
Q1	2SC829BTA	TRANSISTOR		CT4	RCVT211F	TRIMMER CAPACITOR	
Q101	2SC1684RTA	TRANSISTOR		CT5	RCVT220F	TRIMMER CAPACITOR	
Q201	2SC1684RTA	TRANSISTOR		CT6	RCVT220F	TRIMMER CAPACITOR	
Q301	2SD882Q	TRANSISTOR		CT8	RCVCT23110	TRIMMER CAPACITOR	(EG)
Q302	2SC2001L1TA	TRANSISTOR		VC1	RCV4RC2V2K-A	VARIABLE CAPACITOR	
Q303	2SD882Q	TRANSISTOR		VC5	RCVMTTPC17X	VARIABLE CAPACITOR	
Q304	2SC1684STA	TRANSISTOR				COILS AND TRANSFORMERS	
Q305	2SC1684STA	TRANSISTOR					
Q306	2SC2001L1TA	TRANSISTOR					
Q307	2SC2001L1TA	TRANSISTOR					
Q308	2SC1684STA	TRANSISTOR					
Q309	2SC1684STA	TRANSISTOR		L1	RLQY30S1W-0	COIL	
Q310	2SA564RTA	TRANSISTOR		L3	RLF6W9A-0	BAR ANTENNA	$\square$
		DIODES		L6	RLD4Y53W-0	COIL	(E) (EB)
				L6	RL04N233-0	COIL	(EG)
D1	RVD1SS133TA	DIODE		L7	RL01B13-M	COIL	
D3	RVD1SS133TA	DIODE		L9	RL03B87-M	COIL	
D301	RVDMTZ188TA	DIODE	$\square$	L10	RLQY30S1W-0	COIL	
D302	RVD1SS133TA	DIODE		L13	RLA3B41-M	COIL	
D303	RVDSL55MG3F1	DIODE	$\square$	L301	RL09B17-T	COIL	
D304	RVDSL55MG3F1	DIODE	$\square$	L302	RLQZB220KT-D	COIL	
D305	RVDSL55VR3F1	DIODE	$\square$	L303	RLQZB220KT-D	COIL	
D306	RVDP300DLF	DIODE		T1	RLI4B153-M	I, F, TRANSFORMER	
D307	RVDP300DLF	DIODE		T2	RLI2B153-M	I, F, TRANSFORMER	
D308	RVDP300DLF	DIODE		T3	RLI4B153-M	I, F, TRANSFORMER	
D309	RVDP300DLF	DIODE		T301	RLT5L5A4A-X	POWER TRANSFORMER	$\square$ Δ (EB)
D310	RVD1SS133TA	DIODE		T301	RLT5L5G4B-X	POWER TRANSFORMER	$\square$ Δ (E) (EB)
D311	RVD1SS133TA	DIODE				FILTERS	
D312	RVD1SS133TA	DIODE					
D313	RVD1SS133TA	DIODE		CF1	RVF107WMZ	CERAMIC FILTER	
				CF2	RVFSF2459JL	CERAMIC FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		FUSES				MECANISUM	
						CASSETTE DECK	
F1	XBA2C40TB0K	FUSE	Δ	101	RFU179ZA	MECHA CHASSIS ASS'Y	$\square$
		SWITCHES		103	RFG144ZA	GEAR	$\square$
S1	RSH2G03WA-A	SW, R/P	$\square$	104	RFG145ZA	GEAR	$\square$
S2	RST4H19ZA-A	SW, BAND SELECT	$\square$	105	RFJ94ZA	REEL CAP	$\square$
S3	RST3F27ZA-A	SW, FUNCTION	$\square$	106	RFS864ZA	SPRING	$\square$
S4	RST3B36ZA-A	SW, MODE SELECT	$\square$	107	RFX176ZA	BUSH	$\square$
S5	RSH2F10ZA-Q	SW, TAPE SELECT		113	RFG146ZA	GEAR ASS'Y	$\square$
S6	ESB6483	SW, XBS	$\square$	114	RFX141ZA	COLLER	$\square$
S7	RFA98ZA	SW, MOTOR	$\square$	115	RFD410ZA	IDLER PLATE ASS'Y	$\square$
S8	RFA99ZA	SW, HEAD	$\square$	116	RFD411ZA	PLATE	$\square$
S9	RFA99ZA	SW, FWD/REV	$\square$	117	RFD412ZA	PLATE	$\square$
		JACKS		118	RFD413ZA	PLATE	$\square$
J1	RJF1099YA	JACK, LINE IN		119	RFS865ZA	SPRING	$\square$
J2	RJJ1D25ZA-C	JACK, EXT MIC		120	RFS866ZA	SPRING	$\square$
J3	RJF1098ZA-H	JACK, SPEAKER		122	RFD414ZA	PLATE	$\square$
J4	RJJD7S2ZA-C	JACK, PHONES	$\square$	124	RFY931ZA	ERASE LEVER	$\square$
J5	RJJ1A5ZC-H	JACK, AC IN	Δ	125	RJH2C04XZ	HEAD	$\square$
J6	RJJB3ZD-C	JACK, DC IN		126	RFS868ZA	SPRING	$\square$
				127	RFX177ZA	COLLER	$\square$
				130	RFU180ZA	HEAD CHASSIS ASS'Y	$\square$
				131	RFE524ZA	LUG PLATE	$\square$
				132	RFS869ZA	SPRING	$\square$
				133	RFS870ZA	SPRING	$\square$
				135	RFY932ZA	SLIDE PLATE-C ASS'Y	$\square$
				140	RFD418ZA	AZIMUTH-C PLATE	$\square$
				141	RFE526ZA	AZIMUTH SPRING PLATE	$\square$
				143	RFG148ZA	HEAD-B GEAR	$\square$
				144	RFS872ZA	SPRING	$\square$
				145	RFS873ZA	SPRING	$\square$
				146	RFE527ZA	SCREW	$\square$
				147	RFD419ZA	PLATE	$\square$
				148	RFY933ZA	LEVER	$\square$
				149	RFS892ZA	SPRING	$\square$
				151	RFS874ZA	SPRING	$\square$
				153	RFR62ZA	PINCH ROLLER ASS'Y	$\square$
				154	RFR63ZA	PINCH ROLLER ASS'Y	$\square$
				157	RFS875ZA	SPRING	$\square$
				158	RFS876ZA	SPRING	$\square$
				159	RFS877ZA	SPRING	$\square$
				160	RFS878ZA	SPRING	$\square$
				162	RFG149ZA	IDLER GEAR	$\square$
				164	RFY934ZA	PAUSE LEVER	$\square$
				165	RFY935ZA	PAUSE STOP ARM	$\square$
				166	RFY936ZA	PAUSE ARM	$\square$
				167	RFS882ZA	SPRING	$\square$
				168	RFY937ZA	STOP LEVER	$\square$
				169	RFY938ZA	FF LEVER	$\square$
				170	RFY939ZA	REW LEVER	$\square$
				171	RFY940ZA	CUE STOP ARM	$\square$

Notes : * Capacity value are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
		RESISTORS						
R2	ERDS2TJ220T	1/4 22	R131	ERDS2TJ473T	1/4 47K	R302	ERDS2TJ152T	1/4 1.5K
R4	ERDS2TJ101T	1/4 100	R132	ERDS2TJ103T	1/4 10K	R303	ERDS2TJ223T	1/4 22K
R5	ERDS2TJ477T	1/4 4.7	R133	ERDS2TJ334T	1/4 330K	R304	ERDS2TJ101T	1/4 100
R7	ERDS2TJ221T	1/4 220	R134	ERDS2TJ331T	1/4 330	R305	ERDS2TJ688T	1/4 6.8
R8	ERDS2TJ101T	1/4 100	R135	ERDS2TJ271T	1/4 270	R306	ERDS2TJ472T	1/4 4.7K
R9	ERDS2TJ560T	1/4 56	R136	ERDS2TJ104T	1/4 100K	R307	ERDS2TJ274T	1/4 270K
R10	ERDS2TJ392T	1/4 3.9K	R137	ERDS2TJ334T	1/4 330K	R308	ERDS2TJ121T	1/4 120
R11	ERDS2TJ822T	1/4 8.2K	R138	ERDS2TJ222T	1/4 2.2K	R310	ERDS2TJ331T	1/4 330
R13	ERDS2TJ222T	1/4 2.2K	R139	ERDS2TJ391T	1/4 390	R311	ERDS2TJ152T	1/4 1.5K
R14	ERDS2TJ472T	1/4 4.7K	R140	ERDS2TJ682T	1/4 6.8K	R312	ERDS2TJ152T	1/4 1.5K
R15	ERDS2TJ222T	1/4 2.2K	R141	ERDS2TJ103T	1/4 10K	R313	ERDS2TJ222T	1/4 2.2K
R16	ERDS2TJ472T	1/4 4.7K	R142	ERDS2TJ223T	1/4 22K	R316	ERDS2TJ561T	1/4 560
R17	ERDS2TJ472T	1/4 4.7K	R143	ERDS2TJ154T	1/4 150K	R317	ERDS2TJ152T	1/4 1.5K
R18	ERDS2TJ821T	1/4 820	R145	ERDS2TJ220T	1/4 22	R318	ERDS2TJ331T	1/4 330
R19	ERDS2TJ821T	1/4 820	R201	ERDS2TJ153T	1/4 15K	R319	ERDS2TJ151T	1/4 150
R20	ERDS2TJ822T	1/4 8.2K	R202	ERDS2TJ123T	1/4 12K	R320	ERDS2TJ102T	1/4 1K
R21	ERDS2TJ102T	1/4 1K	R203	ERDS2TJ822T	1/4 8.2K	R321	ERDS2TJ473T	1/4 47K
R22	ERDS2TJ473T	1/4 47K	R204	ERDS2TJ560T	1/4 56	R322	ERDS2TJ682T	1/4 6.8K
R23	ERDS2TJ330T	1/4 33	R205	ERDS2TJ222T	1/4 2.2K	R323	ERDS2TJ103T	1/4 10K
R24	ERDS2TJ470T	1/4 47	R206	ERDS2TJ473T	1/4 47K	R324	ERDS2TJ222T	1/4 2.2K
R25	ERDS2TJ100T	1/4 10	R207	ERDS2TJ153T	1/4 15K	R325	ERDS2TJ272T	1/4 2.7K
R26	ERDS2TJ562T	1/4 5.6K (EG)	R210	ERDS2TJ153T	1/4 15K	R326	ERDS2TJ472T	1/4 4.7K
R27	ERDS2TJ103T	1/4 10K	R212	ERDS2TJ103T	1/4 10K	R327	ERDS2TJ182T	1/4 1.8K
R31	ERDS2TJ334T	1/4 330K	R213	ERDS2TJ102T	1/4 1K	R328	ERDS2TJ182T	1/4 1.8K
R32	ERDS2TJ471T	1/4 470	R215	ERDS2TJ222T	1/4 2.2K	R329	ERDS2TJ471T	1/4 470
R33	ERDS2TJ820T	1/4 82	R216	ERDS2TJ472T	1/4 4.7K	R330	ERDS2TJ822T	1/4 8.2K
R101	ERDS2TJ153T	1/4 15K	R218	ERDS2TJ103T	1/4 10K	R331	ERDS2TJ560T	1/4 56
R102	ERDS2TJ123T	1/4 12K	R219	ERDS2TJ223T	1/4 22K	R332	ERDS2TJ102T	1/4 1
R103	ERDS2TJ822T	1/4 8.2K	R220	ERDS2TJ224T	1/4 220K	R333	ERDS2TJ221T	1/4 220
R104	ERDS2TJ560T	1/4 56	R221	ERDS2TJ472T	1/4 4.7K	R334	ERDS2TJ223T	1/4 22K
R105	ERDS2TJ222T	1/4 2.2K	R222	ERDS2TJ472T	1/4 4.7K	R335	ERDS2TJ224T	1/4 220K
R106	ERDS2TJ473T	1/4 47K	R223	ERDS2TJ104T	1/4 100K			
R107	ERDS2TJ153T	1/4 15K	R228	ERDS2TJ222T	1/4 2.2			CAPACITORS
R110	ERDS2TJ153T	1/4 15K	R229	ERDS2TJ151T	1/4 150			
R112	ERDS2TJ103T	1/4 10K	R231	ERDS2TJ473T	1/4 47K	C1	RCBS1H470JLY	50V 47P
R113	ERDS2TJ102T	1/4 1K	R232	ERDS2TJ103T	1/4 10K	C2	RCBS1H100JCY	50V 10P (E) (EB)
R115	ERDS2TJ222T	1/4 2.2K	R233	ERDS2TJ334T	1/4 330K	C2	RCBS1H120JCY	50V 12P (EG)
R116	ERDS2TJ472T	1/4 4.7K	R234	ERDS2TJ331T	1/4 330	C3	RCBS1H100JCY	50V 10P
R118	ERDS2TJ103T	1/4 10K	R235	ERDS2TJ271T	1/4 270	C4	RCBS1H102KBY	50V 0.001
R119	ERDS2TJ223T	1/4 22K	R236	ERDS2TJ104T	1/4 100K	C5	RCBS1H200JCY	50V 20P
R120	ERDS2TJ224T	1/4 220K	R237	ERDS2TJ334T	1/4 330K	C6	RCBS1H102KBY	50V 0.001
R121	ERDS2TJ472T	1/4 4.7K	R238	ERDS2TJ222T	1/4 2.2K	C7	RCBS1C103MY	50V 0.01
R122	ERDS2TJ472T	1/4 4.7K	R239	ERDS2TJ391T	1/4 390	C8	RCBS1H150JCY	50V 15P
R123	ERDS2TJ104T	1/4 100K	R240	ERDS2TJ682T	1/4 6.8K	C9	RCBS1H477KCY	50V 4.7P
R128	ERDS2TJ222T	1/4 2.2	R241	ERDS2TJ103T	1/4 10K	C10	RCBS1H180JCY	50V 18P
R129	ERDS2TJ151T	1/4 150	R242	ERDS2TJ223T	1/4 22K	C11	RCBS1H470JLY	50V 47P
			R243	ERDS2TJ154T	1/4 150K	C12	RCBS1H200JCY	50V 20P (E) (EB)
			R245	ERDS2TJ220T	1/4 22	C12	ECCT1H220JR	50V 22P (EG)
			R301	ERDS2TJ102T	1/4 1K	C13	RCBS1C103MY	16V 0.01

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
C14	RCBS0J223MY	6.3V 0.022	C116	RCBS1C332MX	16V 0.0033	C233	ECEA1CU222E	16V 0.0022
C16	ECFT1C223MDY	16V 0.022	C117	ECEA1HU2R2B	50V 2.2	C234	ECEA0JU101B	6.3V 100
C17	RCBS1H331KBY	50V 330P	C118	ECEA1HUR33B	50V 0.33	C235	RCBS1H471KBY	50V 470P
C18	ECFT1C223MDY	16V 0.022	C119	ECEA1HUOR1B	50V 0.1	C236	ECQV1H224JZ3	50V 0.22
C19	ECEA0JU221B	6.3V 220P	C120	ECFT1C333MDY	16V 0.033	C237	RCBS1C222MX	16V 0.0022
C20	RCBS1C103MY	16V 0.01	C121	ECFT1C153MDY	16V 0.015	C238	RCBS1H221KBY	50V 220P
C21	RCBS1C103MY	16V 0.01	C122	RCBS1C103MY	16V 0.01	C302	ECFT1C223MDY	16V 0.022
C22	RCBS0J223NY	6.3V 0.022	C123	ECFT1C563MDY	16V 0.056	C303	RCBS1C222MX	16V 0.022
C23	ECEA1HU4R7B	50V 4.7	C124	RCBS1C103MY	16V 0.01	C304	ECQV1272JZT	100V 0.0027
C24	ECFT1C153MDY	16V 0.015	C125	RCBS1C152MX	16V 0.0015	C305	ECCT1H181K	50V 180P
C25	ECEA1HU010B	50V 1	C126	ECEA1HUR33B	50V 0.33	C306	ECKT1H103ZF	50V 0.001
C27	ECEA1HU010B	50V 1	C127	ECEA1HUR22B	50V 0.22	C307	ECEA0JU101B	6.3V 100
C29	ECFT1C153MDY	16V 0.015	C128	ECFT1C333MDY	16V 0.033	C308	ECEA1HU3R3B	50V 3.3
C30	ECEA1HU010B	50V 1	C129	ECEA1HU010B	50V 1	C309	ECEA1AU221B	100V 220
C31	ECFT1C153MDY	16V 0.015	C131	ECEA1HUR33B	50V 0.33	C310	ECEA1CU470B	16V 47
C32	ECFT1C153MDY	16V 0.015	C132	ECEA1EU101B	25V 100	C311	ECEA1AU221B	10V 220
C33	ECQV2A102JZT	100V 0.001	C133	ECEA1CU222E	16V 2200	C312	ECEA1CU100B	16V 10
C34	ECEA1HUR47B	50V 0.47	C134	ECEA0JU101B	6.3V 100	C313	ECEA1EU47B	25V 4.7
C35	ECEA1HUR47B	50V 0.47	C135	RCBS1H471KBY	50V 470P	C314	ECEA1EU221B	25V 220
C36	ECEA1HU2R2B	50V 2.2	C136	ECQV1H224JZ3	50V 0.22	C315	ECEA0JU470B	6.3V 47
C37	RCBS1H102KBY	50V 0.001	C137	RCBS1C222MX	16V 0.0022	C316	ECEA1CU470B	16V 47
C39	RCBS1H102KBY	50V 0.001	C138	RCBS1H221KBY	50V 220P	C317	ECEA1EU472	25V 0.0047
C40	ECEA1HU2R2B	50V 2.2	C201	ECEA1HU010B	50V 1	C318	ECEA1EU470B	25V 47
C41	RCBS1H100JCY	50V 10P	C202	RCBS1H102KBY	50V 0.001	C319	ECEA1EU47B	25V 4.7
C42	RCBS1H220JCY	50V 22P	C203	RCBS1H101KBY	50V 100P	C321	ECQV1H104JZ3	50V 0.1
C43	RCBS1H470JLY	50V 47P	C204	RCBS0J153MY	6.3V 0.015	C322	ECQV1N104JZ3	50V 0.1
C44	RCBS1H1R5MCY	50V 1.5P	C205	ECEA0JU470B	6.3V 47	C323	ECQV1H104JZ3	50V 0.1
C45	RCBS1H2R2KCY	50V 2.2P	C206	ECEA1EU47B	25V 4.7	C324	ECQV1H104JZ3	50V 0.1
C46	RCBS1H120JCY	50V 12P	C207	RCBS1H102KBY	50V 0.001	C325	ECEA0JU221B	6.3V 220
C47	RCBS1H100JCY	50V 10P	C208	RCBS1C152MX	16V 0.0015	C326	RCBS1H331KBY	50V 330P
C48	ECQV2A221JZT	100V 220P	C209	RCBS1C103MY	16V 0.01	C327	RCBS1H102KBY	50V 0.001
C49	ECQV2A151JZT	100V 150P	C211	ECEA1HU010B	50V 1	C328	RCBS1H470JLY	50V 47P
C50	ECQV2A361JZT	100V 360P	C212	ECEA1HU010B	50V 1	C329	RCBS1H331KBY	50V 330P
C51	ECQV1392JZT	100V 0.0039	C213	ECEA1CU100B	16V 10	C332	ECKT1H471KB	50V 470P
C52	ECFT1C333MDY	16V 0.033	C214	RCBS1H471KBY	50V 470P	C333	ECKT1H103ZF	50V 0.01
C54	RCBS1H331KBY	50V 330P	C215	RCBS1H102KBY	50V 0.001	C350	ECEA1HUR47B	50V 0.47
C61	RCBS1C103MY	16V 0.01	C216	RCBS1C332MX	16V 0.0033			
C62	RCBS1C103NY	16V 0.01	C217	ECEA1HU2R2B	50V 2.2			
C101	ECEA1HU010B	50V 1	C218	ECEA1HUR33B	50V 0.33			
C102	RCBS1H102KBY	50V 0.001	C219	ECEA1HUOR1B	50V 0.1			
C103	RCBS1H101KBY	50V 100P	C220	ECFT1C333MDY	16V 0.033			
C104	RCBS0J153MY	6.3V 0.015	C221	ECFT1C153MDY	16V 0.015			
C105	ECEA0JU470B	6.3V 47	C222	RCBS1C103MY	16V 0.01			
C106	ECEA1EU4R7B	25V 4.7	C223	ECFT1C563MDY	16V 0.056			
C107	RCBS1H102KBY	50V 0.001	C224	RCBS1C103MY	16V 0.01			
C108	RCBS1C152MX	16V 0.0015	C225	RCBS1C152MX	16V 0.0015			
C109	RCBS1C103MY	16V 0.01	C226	ECEA1HUR33B	50V 0.33			
C111	ECEA1HU010B	50V 1	C227	ECEA1HUR22B	50V 0.22			
C112	ECEA1HU010B	50V 1	C228	ECFT1C333MDY	16V 0.033			
C113	ECEA1CU100B	16V 10	C229	ECEA1HU010B	50V 1			
C114	RCBS1H471KBY	50V 470	C231	ECEA1HUR33B	50V 0.33			
C115	RCBS1H102KBY	50V 0.001	C232	ECEA1EU101B	25V 100			

Notes : * Important safety notice:
Components identified by Δ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
* The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.
* $\square$ Indicates in Remarks columns parts that are supplied by MESA.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUITS				VARIABLE RESISTORS	
IC1	AN7205	I. C, FRONT END		VR1	EVND4AA00B14	V. R. FM VCO	
IC2	BA4236L	I. C, IF AMP		VR301	EWAGU3C14G15	V. R. BALANCE	$\square$
IC3	RV1BA1332L	I. C, FM MPX		VR302	EWCT5AF20B54	V. R. VOLUME	$\square$
IC4	BA3312N	I. C, PRE AMP		VR303	EWAGQ6C14G54	V. R. G. E. Q. (100Hz)	$\square$
IC5	BA3822LS	I. C, G. E. Q AMP		VR304	EWAGQ6C14G54	V. R. G. E. Q. (330Hz)	$\square$
IC6	AN7133N	I. C, POWER AMP		VR305	EWAGQ6C14G54	V. R. G. E. Q. (1KHz)	$\square$
		TRANSISTORS		VR306	EWAGQ6C14G54	V. R. G. E. Q. (3.3KHz)	$\square$
				VR307	EWAGQ6C14G54	V. R. G. E. Q. (10KHz)	$\square$
						VARIABLE CAPACITORS	
Q1	2SC829BTA	TRANSISTOR					
Q101	2SC1684RTA	TRANSISTOR		CT4	RCVTZ11F	TRIMMER CAPACITOR	
Q201	2SC1684RTA	TRANSISTOR		CT5	RCVTZ20F	TRIMMER CAPACITOR	
Q301	2SD882Q	TRANSISTOR		CT6	RCVTZ20F	TRIMMER CAPACITOR	
Q302	2SC2001L1TA	TRANSISTOR		CT8	RCVCTZ3110	TRIMMER CAPACITOR	(EG)
Q303	2SD882Q	TRANSISTOR		VC1	RCV4RC2V2K-A	VARIABLE CAPACITOR	
Q304	2SC1684STA	TRANSISTOR		VC5	RCVMTTPC17X	VARIABLE CAPACITOR	
Q305	2SC1684STA	TRANSISTOR					
Q306	2SC2001L1TA	TRANSISTOR				COILS AND TRANSFORMERS	
Q307	2SC2001L1TA	TRANSISTOR					
Q308	2SC1684STA	TRANSISTOR					
Q309	2SC1684STA	TRANSISTOR		L1	RLQY30S1W-0	COIL	
Q310	2SA564RTA	TRANSISTOR		L3	RLF6W9A-0	BAR ANTENNA	$\square$
		DIODES		L6	RLD4Y53W-0	COIL	(E) (EB)
				L6	RL04N233-0	COIL	(EG)
D1	RVD1SS133TA	DIODE		L7	RL01B13-M	COIL	
D3	RVD1SS133TA	DIODE		L9	RL03B87-M	COIL	
D301	RVDMTZ188TA	DIODE	$\square$	L10	RLQY30S1W-0	COIL	
D302	RVD1SS133TA	DIODE		L13	RLA3B41-M	COIL	
D303	RVDSL55MG3F1	DIODE	$\square$	L301	RL09B17-T	COIL	
D304	RVDSL55MG3F1	DIODE	$\square$	L302	RLQZB220KT-D	COIL	
D305	RVDSL55VR3F1	DIODE	$\square$	L303	RLQZB220KT-D	COIL	
D306	RVDP300DLF	DIODE		T1	RL14B153-M	I. F. TRANSFORMER	
D307	RVDP300DLF	DIODE		T2	RL12B153-M	I. F. TRANSFORMER	
D308	RVDP300DLF	DIODE		T3	RL14B153-M	I. F. TRANSFORMER	
D309	RVDP300DLF	DIODE		T301	RLT5L5A4A-X	POWER TRANSFORMER	$\square$ Δ (EB)
D310	RVD1SS133TA	DIODE		T301	RLT5L5G4B-X	POWER TRANSFORMER	$\square$ Δ (E) (EB)
D311	RVD1SS133TA	DIODE				FILTERS	
D312	RVD1SS133TA	DIODE					
D313	RVD1SS133TA	DIODE		CF1	RVF107WMZ	CERAMIC FILTER	
				CF2	RVFSF2459JL	CERAMIC FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		FUSES				MECANISUM	
						CASSETTE DECK	
F1	XBA2C40TB0K	FUSE	Δ	101	RFU179ZA	MECHA CHASSIS ASS' Y	$\square$
		SWITCHES		103	RFG144ZA	GEAR	$\square$
				104	RFG145ZA	GEAR	$\square$
S1	RSH2G03WA-A	SW, R/P	$\square$	105	RFJ94ZA	REEL CAP	$\square$
S2	RST4H19ZA-A	SW, BAND SELECT	$\square$	106	RFS864ZA	SPRING	$\square$
S3	RST3F27ZA-A	SW, FUNCTION	$\square$	107	RFX176ZA	BUSH	$\square$
S4	RST3B36ZA-A	SW, MODE SELECT	$\square$	113	RFG146ZA	GEAR ASS' Y	$\square$
S5	RSH2F10ZA-Q	SW, TAPE SELECT		114	RFX141ZA	COLLER	$\square$
S6	ESB6483	SW, XBS	$\square$	115	RFD410ZA	IDLER PLATE ASS' Y	$\square$
S7	RFA98ZA	SW, MOTOR	$\square$	116	RFD411ZA	PLATE	$\square$
S8	RFA99ZA	SW, HEAD	$\square$	117	RFD412ZA	PLATE	$\square$
S9	RFA99ZA	SW, FWD/REV	$\square$	118	RFD413ZA	PLATE	$\square$
		JACKS		119	RFS865ZA	SPRING	$\square$
J1	RJF1099YA	JACK, LINE IN		120	RFS866ZA	SPRING	$\square$
J2	RJJ1D25ZA-C	JACK, EXT MIC		122	RFD414ZA	PLATE	$\square$
J3	RJF1098ZA-H	JACK, SPEAKER		124	RFY931ZA	ERASE LEVER	$\square$
J4	RJJD7S2ZA-C	JACK, PHONES	$\square$	125	RJH2C04XZ	HEAD	$\square$
J5	RJJ1A52C-H	JACK, AC IN	Δ	126	RFS868ZA	SPRING	$\square$
J6	RJJB3ZD-C	JACK, DC IN		127	RFX177ZA	COLLER	$\square$
				130	RFU180ZA	HEAD CHASSIS ASS' Y	$\square$
				131	RFE524ZA	LUG PLATE	$\square$
				132	RFS869ZA	SPRING	$\square$
				133	RFS870ZA	SPRING	$\square$
				135	RFY932ZA	SLIDE PLATE-C ASS' Y	$\square$
				140	RFD418ZA	AZIMUTH-C PLATE	$\square$
				141	RFE526ZA	AZIMUTH SPRING PLATE	$\square$
				143	RFG148ZA	HEAD-B GEAR	$\square$
				144	RFS872ZA	SPRING	$\square$
				145	RFS873ZA	SPRING	$\square$
				146	RFE527ZA	SCREW	$\square$
				147	RFD419ZA	PLATE	$\square$
				148	RFY933ZA	LEVER	$\square$
				149	RFS892ZA	SPRING	$\square$
				151	RFS874ZA	SPRING	$\square$
				153	RFR62ZA	PINCH ROLLER ASS' Y	$\square$
				154	RFR63ZA	PINCH ROLLER ASS' Y	$\square$
				157	RFS875ZA	SPRING	$\square$
				158	RFS876ZA	SPRING	$\square$
				159	RFS877ZA	SPRING	$\square$
				160	RFS878ZA	SPRING	$\square$
				162	RFG149ZA	IDLER GEAR	$\square$
				164	RFY934ZA	PAUSE LEVER	$\square$
				165	RFY935ZA	PAUSE STOP ARM	$\square$
				166	RFY936ZA	PAUSE ARM	$\square$
				167	RFS882ZA	SPRING	$\square$
				168	RFY937ZA	STOP LEVER	$\square$
				169	RFY938ZA	FF LEVER	$\square$
				170	RFY939ZA	REW LEVER	$\square$
				171	RFY940ZA	CUE STOP ARM	$\square$

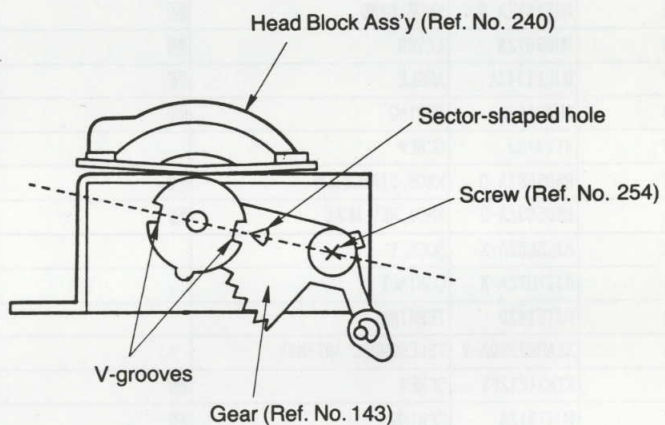
MECHANISM PARTS LOCATION

Ref. No.	Part No.	Part Name & Description	Remarks
172	RFS879ZA	SPRING	M
174	RFY941ZA	RLAY-B LEVER	M
175	RFS880ZA	SPRING	M
176	RFD421ZA	PLATE	M
177	RFD422ZA	PLATE	M
178	RFY942ZA	REC LEVER	M
179	RFY943ZA	REC ARM	M
180	RFS881ZA	SPRING	M
182	RFY944ZA	FUNCTION PLATE	M
183	RFY945ZA	FUNCTION PLATE	M
184	RFS883ZA	SPRING	M
185	RFD423ZA	FF IDLER LEVER	M
186	RFK25ZA	IDLER ASS'Y	M
187	RFU181ZA	LEVER HOLDER ASS'Y	M
188	RFS884ZA	SPRING	M
190	RFY946ZA	LEVER	M
191	RFS885ZA	SPRING	M
193	RFD424ZA	PLATE	M
194	RFY946ZA	LEVER	M
195	RFY947ZA	LEVER	M
196	RFS886ZA	SPRING	M
197	RFY948ZA	SENSOR LEVER	M
198	RFY949ZA	SENSOR LEVER	M
199	RFS887ZA	SPRING	M
200	RFS888ZA	SPRING	M
201	RFY950ZA	CANCEL LEVER	M
202	RFE260Z	BUSH	
204	RFK26ZA	IDLER ASS'Y	M
205	RFY951ZA	STOP SENSOR ARM	M
206	RFQ66ZA	PULLEY	M
207	RFQ67ZA	PULLEY	M
211	RFF76ZA	FLYWHEEL ASS'Y	M
212	RFF77ZA	FLYWHEEL ASS'Y	M
213	RFS889ZA	SPRING	M
214	RFS891ZA	SPRING	M
215	RFB111ZA	BELT	M
216	RFB112ZA	BELT	M
217	RFS890ZA	PLATE SPRING	M
218	RFY692Z	LEVER	
219	RFD425ZA	HOLDER	M
220	RFE414ZA	SCREW	
226	RFD426ZA	MOTOR HOLDER	M
240	RFH29ZA	HEAD BLOCK ASS'Y	M
250	RFM168ZA	MOTOR	M
254	RFE304Z	SCREW	
255	RFE528ZA	SCREW	M
256	RFE363ZA	SCREW	
259	RFE530ZA	SCREW	M
260	RFE305Z	SCREW	
261	RFE306Z	SCREW	
262	RF124Z	CUSHION	
263	RFE531ZA	SCREW	M

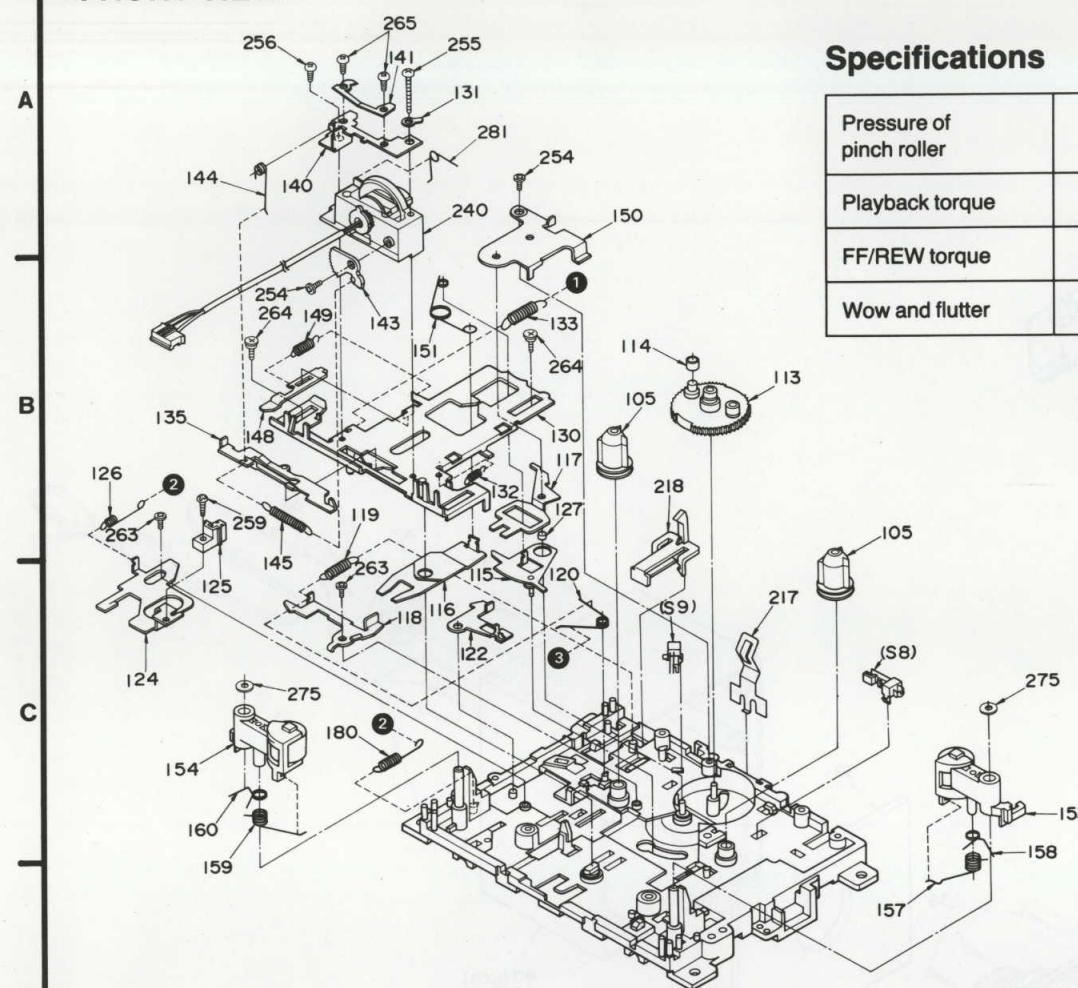
Ref. No.	Part No.	Part Name & Description	Remarks
264	RFE532ZA	SCREW	M
265	RFE533ZA	SCREW	M
273	RFN162Z	WASHER	
274	RFN163Z	WASHER	
275	RFN110Z	WASHER	
276	RFN168Z	WASHER	
281	RFS895ZA	SPRING	M
282	RHR3393ZA	HOLDER	M

Note:

When attaching the gear to the Head Block Ass'y, attach it so that the V-grooves in the Head Block Ass'y, the sector-shaped hole in the gear and the center of the screw are aligned as shown by the dotted line in the figure.



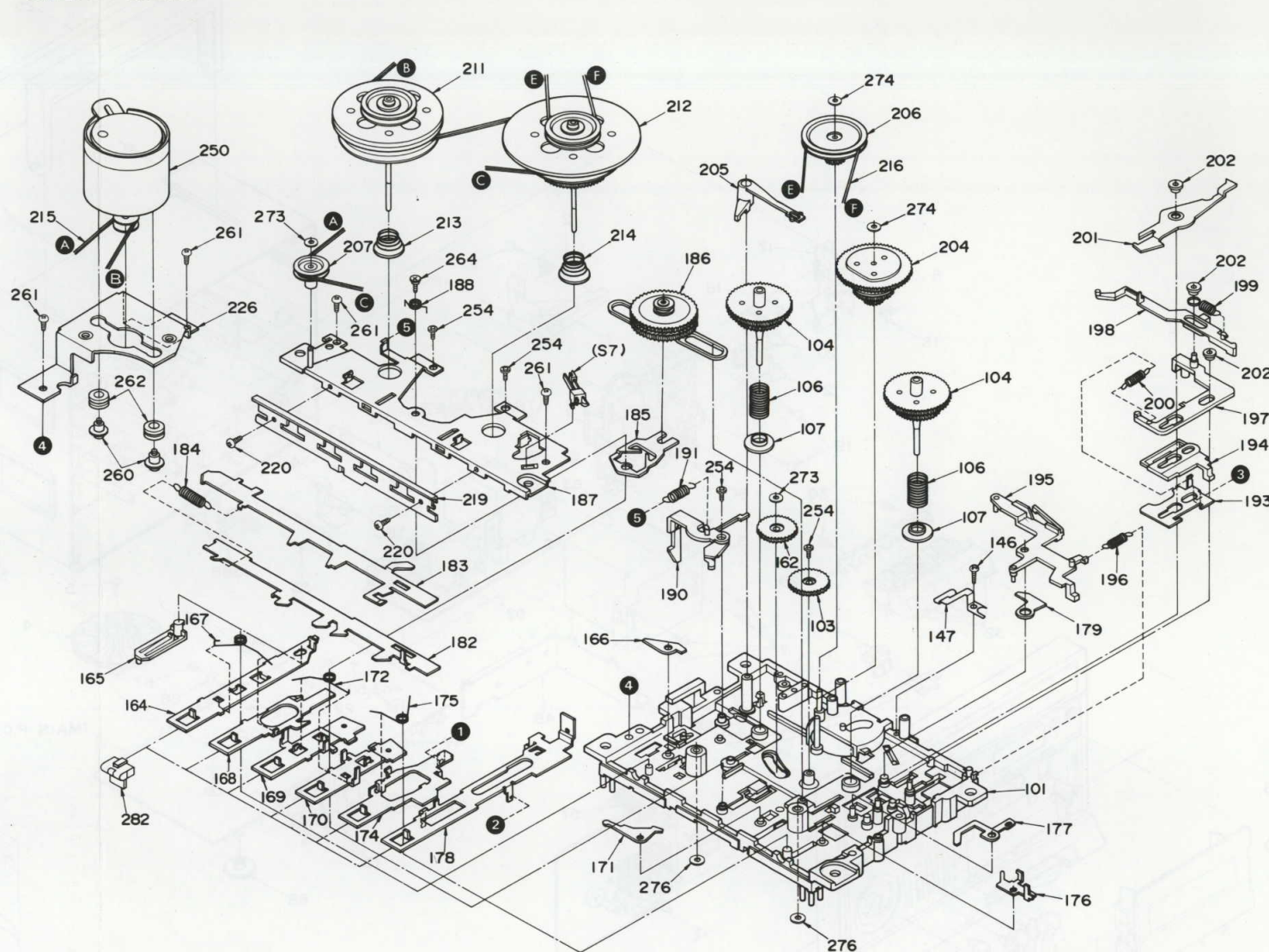
<FRONT VIEW>



Specifications

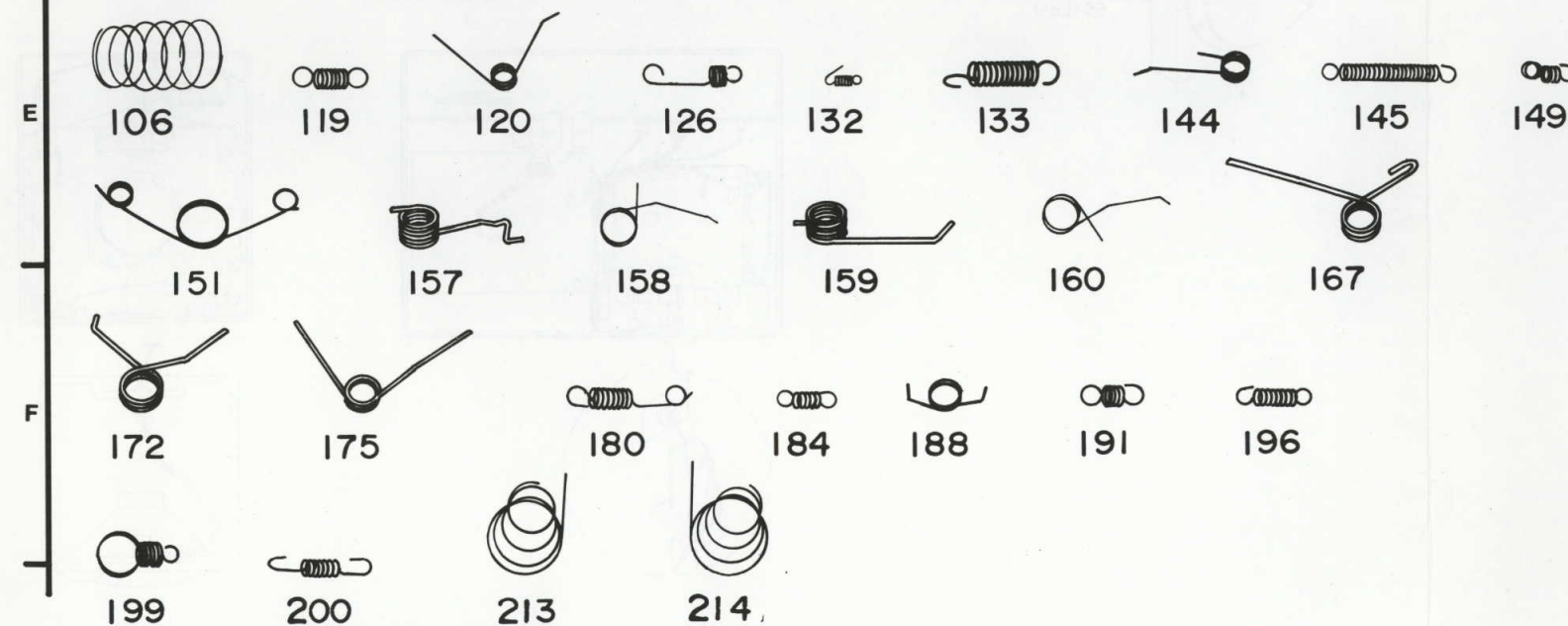
Pressure of pinch roller	200~300g
Playback torque	25~65 g·cm
FF/REW torque	65~135 g·cm
Wow and flutter	0.25% (WRMS)

<REAR VIEW>

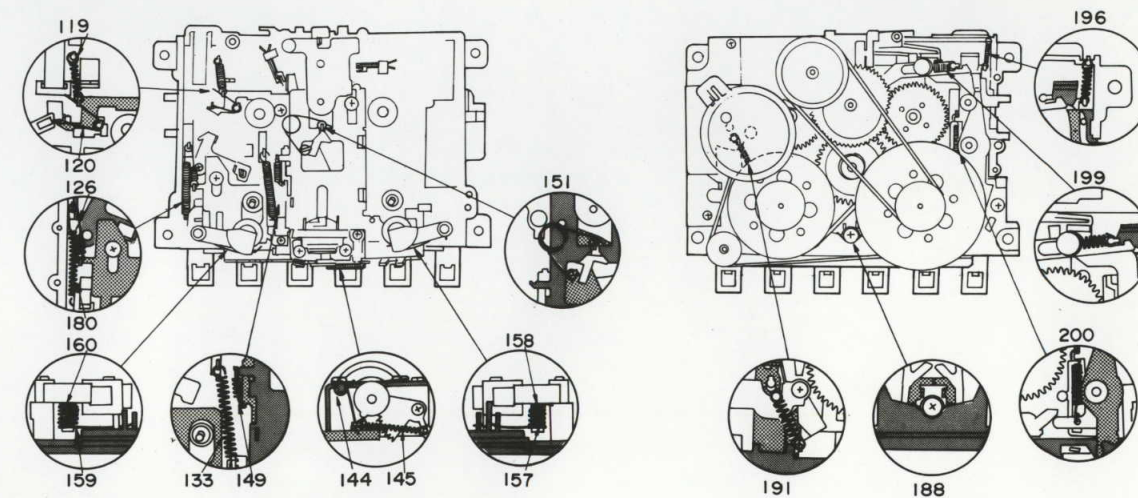


■ SPRING ILLUSTRATION

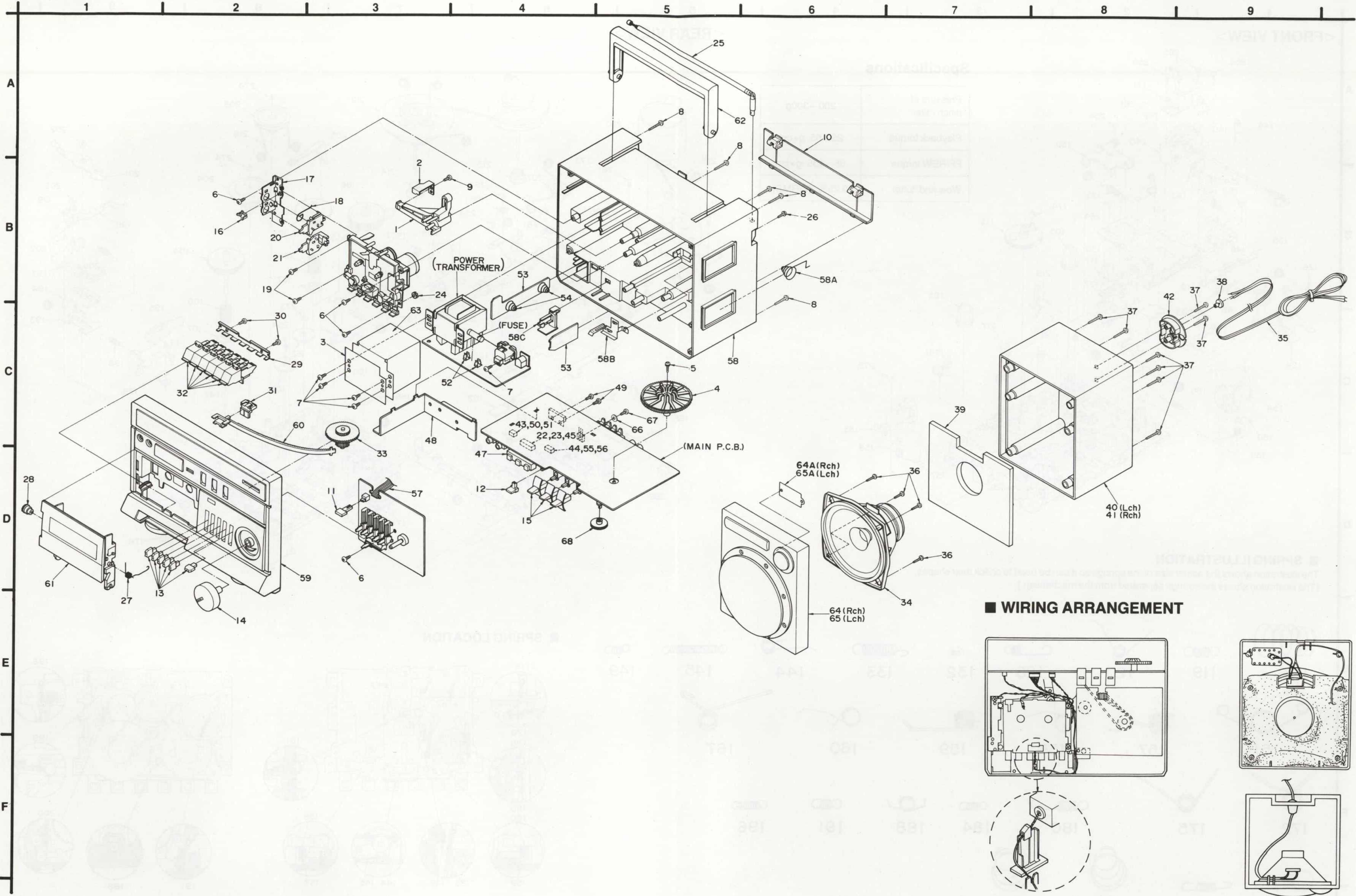
The illustration shows the actual size of the springs so it can be used to check their shapes. (The illustration shows the springs separated from the mechanism.)



■ SPRING LOCATION



CABINET PARTS LOCATION



Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS		51	RJT707ZA-X	CONTACT	
				52	RJF28ZA	FUSE HOLDER	△
				53	RUP2544YAC	P. C. B	Ⓜ
1	RJB566ZA	LEVER	Ⓜ	54	RJC5112B	BATTERY SPRING	
2	RJS777ZA	SPRING	Ⓜ	55	RJS4L4ZA-X	SOCKET	
3	RMC1257ZA	SHIELD PLATE, A	Ⓜ	56	RJT807ZB-X	CONTACT	
4	RDG5901ZA	SHIELD PLATE, B	Ⓜ	57	WB66CB-25KK	FLAT CABLE	Ⓜ
5	XYN26+C6	SCREW		58	RYFXCS750E	REAR CABINET ASS'Y	Ⓜ (E)
6	XTN3+12G	SCREW		58	RYFXCS750EB	REAR CABINET ASS'Y	Ⓜ (EB)
7	XTV3+12G	SCREW		58	RYFXCS750EG	REAR CABINET ASS'Y	Ⓜ (EG)
8	XTV3+20G	SCREW		58A	RJC9312C	BATTERY TERMINAL	
9	XTV3+8G	SCREW		58B	RJT1139ZA	ANT. TERMINAL	Ⓜ
10	RKX347ZA-0	BATTERY COVER	Ⓜ	58C	RHR3397ZA	HOLDER	Ⓜ
11	RBC1399ZA-0	BUTTON, XDS	Ⓜ	59	RYMCS750E	FRONT CABINET ASS'Y	Ⓜ (E)
12	RBC1400ZA-0	BUTTON, TAPE	Ⓜ	59	RYMCS750EB	FRONT CABINET ASS'Y	Ⓜ (EB)
13	RBD567ZA-0	KNOB, BAL./G. EQ	Ⓜ	59	RYMCS750EG	FRONT CABINET ASS'Y	Ⓜ (EG)
14	RBN783ZA-0	KNOB, VOLUME	Ⓜ	60	RZGXCS750P	RACK ASS'Y	Ⓜ
15	RBS261ZA-0	KNOB, BAND	Ⓜ	61	RYQCS750P	CASSETTE LID ASS'Y	Ⓜ
16	RJB567ZA	LEVER	Ⓜ	62	RYHCS750P	HANDLE ASS'Y	Ⓜ
17	RJL1134ZA	ANGLE	Ⓜ	63	RWEXCS750P	SHIELD PLATE ASS'Y	Ⓜ
18	RJW216ZA	SPRING	Ⓜ	64	RYM2KCS750P	SP PANEL ASS'Y (R)	Ⓜ
19	XTV3+8J	SCREW		64A	RYEXCS750P	TWEETER ASS'Y	Ⓜ
20	RBD568ZA-0	KNOB, DIRECTION	Ⓜ	65	RYM3KCS750P	SP PANEL ASS'Y (L)	Ⓜ
21	RBD569ZA-0	KNOB, REV MODE	Ⓜ	65A	RYEXCS750P	TWEETER ASS'Y	Ⓜ
22	RJS8L3ZA-X	SOCKET		66	XNG3C	WASHER	
23	RJT707ZA-X	CONTACT		67	XYN3+F12FY	SCREW	
24	RJT5142D	TERMINAL		68	RBT280ZA-0	KNOB, FINE TUNING	
25	XEARR225DA-Y	TELESCOPIC ANTENNA					
26	XTN3+F12FY	SCREW	Ⓜ				
27	RJS781ZA	SPRING	Ⓜ				
28	RDG5782YC	GEAR	Ⓜ				
29	RMD2072ZA	ANGLE	Ⓜ				
30	XTV3+8G	SCREW		A1	RJA202D-K	POWER CORD	△ (E) (EB)
31	RDP359ZA-0	DIAL POINTER	Ⓜ	A1	RJA862B-K	POWER CORD	△ (EB)
32	RBC1401ZA-0	BUTTON, MECHANISM	Ⓜ	A2	RZXCS750E	INSTRUCTION MANUAL ASS'Y	Ⓜ
33	RBT2832B-0	KNOB, TUNING	Ⓜ				
34	EAS16P431A-G	SPEAKER	Ⓜ				
35	RJE297ZA	SPEAKER CORD	Ⓜ				
36	XTV3+10G	SCREW					
37	XTV3+20GFY	SCREW					
38	RHC2152ZA	BUSH	Ⓜ				
39	RHR3401ZA	SOUND ABSORBER	Ⓜ	P1	RPH655ZA	SHEET	Ⓜ
40	RKF971ZA-0	SP BOX	Ⓜ	P2	RPN9588ZA	PAD	Ⓜ
41	RKF971YA-0	SP BOX	Ⓜ	P3	RPK2814ZA	GIFT BOX	Ⓜ
42	RKE651ZA-0	HANGER	Ⓜ				
43	RJP2G4YA	CONNECTOR					
44	RJP4G18ZA	CONNECTOR					
45	RJP8G4YA	CONNECTOR					
47	RMP288ZA	LED HOLDER	Ⓜ				
48	RMV265ZA	HEAT SHINK	Ⓜ				
49	XTV3+8F	SCREW					
50	RJS2L3ZA-X	SOCKET					