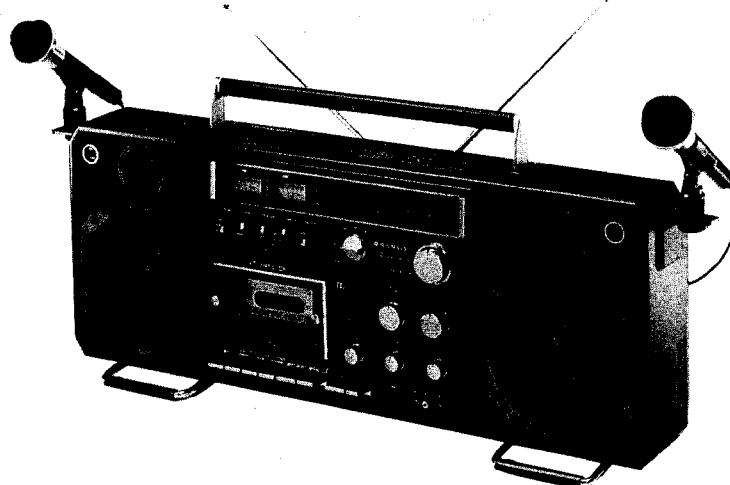


SERVICE MANUAL



CASSETTE RECORDER

M9998K



SPECIFICATIONS

Recording system	AC bias, 4-track stereo
Erasing system	AC erase, 2-track
Tape speed	4.75 cm/sec (1-7/8 i.p.s.)
Rewind and fast forward time	Rewind: 1 min. 35 sec. (C-60) Fast forward: 1 min. 50 sec. (C-60)
Frequency range	FM: 87.5 – 108MHz SW2: 7.0 – 22MHz SW1: 2.3 – 7.0MHz MW: 530 – 1,605kHz
Terminal impedance	MIC: 10 kohms (0.3mV) PHONO: (MM) 50 kohms (3mV) (CERAMIC) 1 Mohms (300mV) LINE IN: 22 kohms (50mV) LINE OUT: 1 kohm (0.775V) EXT SP: 4 – 8 ohms PHONES: 8 ohms
Frequency response	40 – 12,000Hz (NORMAL) 40 – 14,000Hz (FeCr) 40 – 15,000Hz (CrO ₂)
Signal to noise ratio	59 dB (Dolby NR ON) 50 dB (Dolby NR OFF)
Output power	12W x 2 maximum (music power)
Power source	DC: 15V "D" (UM-1) x 10 12–15V Car battery adaptor AC: 100/120/200/240V, 50/60Hz
Dimensions	664(W) x 175(D) x 267(H) mm (26-3/16" x 6-15/16" x 10-9/16")
Weight	Approx. 9 kg (19 lbs. 14 ozs.) including batteries

* Specification subject to change without notice.

DISMOUNTING OF CABINET AND CHASSIS

In the first place, take the batteries out of the battery case, or pull off the power cord.

(1) Removing the back lid

Take off 8 screws (pan head tapping screws 3 x 40 mm) from the back lid (of which two are found in the battery case).

Open the back lid, with care not to break the leads inside. Disconnect the lead sockets of the set's PCBs from the back lid's PCBs.

Back lid side		Set side
Beat cancel	2P	— A Oscillation PCB (Brown socket)
Speaker selection	2P	— B Front socket PCB (Gray-brown socket)
External speaker	4P	— C Speaker (Red-black-brown-orange socket)
	2P	— D Amp PCB (Red-white socket)
Line out	4P	— E Amp PCB (Gray-brown socket)
Rod antenna socket	1Px2	— F Tuner, switch PCB (Blue-brown socket)
Bandy cord	2P	— G Amp PCB (Brown-white socket)
	7P	— H Tuner, switch PCB (Blue-gray-brown-red sock- et)
Power supply PCB		— I AMSS PCB

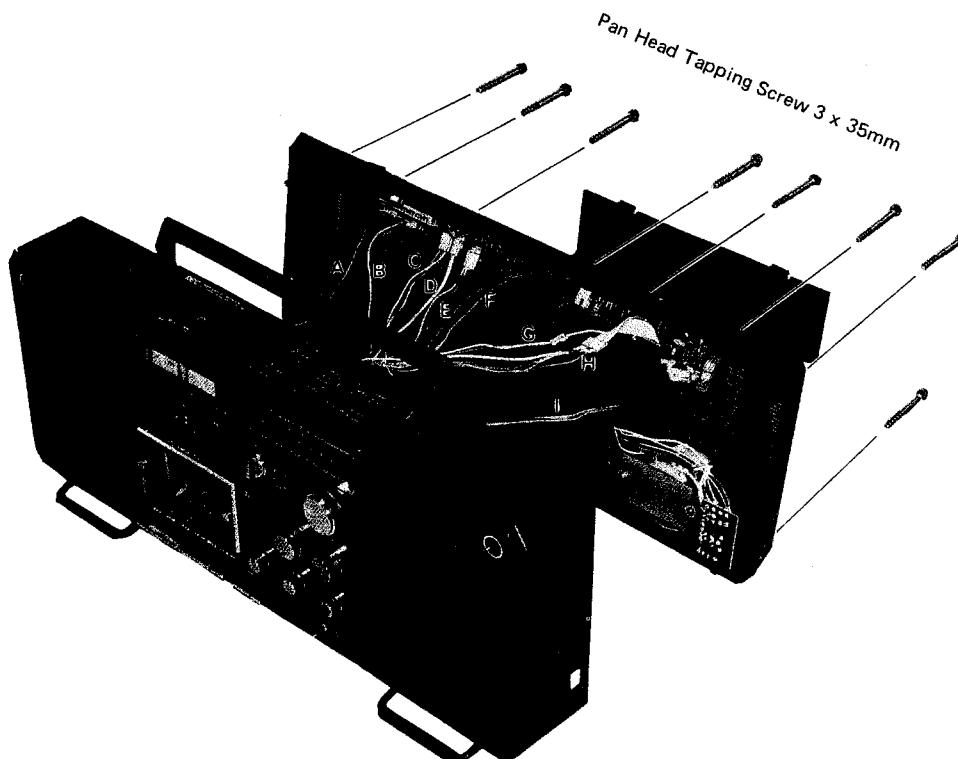
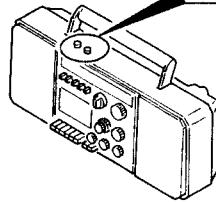
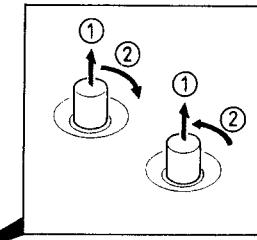
By removing these 10 sockets, the back lid can be taken off.

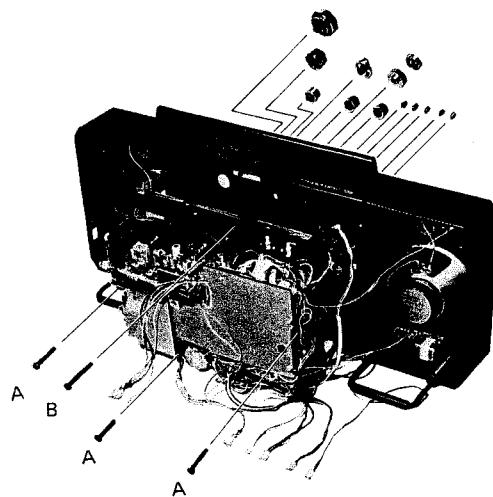
(2) Removing the Cabinet

Remove all control knobs and levers. Pick up power button and battery check/dial light button, and turn them clockwise and counterclockwise (sketch) respectively, then these buttons will be locked in raised positions.

Take off 4 red screws (3 pan head tapping screws 3 x 30 mm, 1 pan head tapping screw 3 x 40 mm) which are joining the chassis and the cabinet together. Separate the microphone socket from the amplifier PCB, and remove screw 209 (pan head tapping screw 3 x 8 mm) from the oscillation PCB (110). Disconnect the three sockets of LED PCB (106) from the AMSS PCB (107).

Lifting the chassis a little, dismount the chassis from the cabinet. Now, the chassis and the cabinet are separated from each other.





A Pan Head Tapping Screw 3 x 30mm
B Pan Head Tapping Screw 3 x 40mm

(3) Removing the printed circuit board

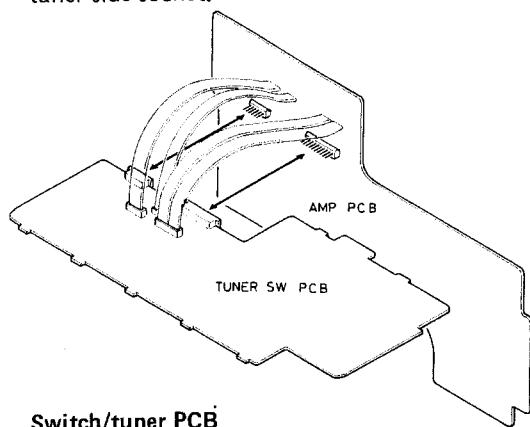
(Referring only the AMP PCB and tuner/switch PCB)

Amplifier PCB

To dismount the AMP PCB, take off 5 screws (pan head tapping screw w/washer 3 x 12 mm) and 2 lugs, 136 and 138 (for shaping up the leads), from the chassis. Since the AMP PCB is connected to the tuner/switch PCB with plugs, it can be separated off by pulling it toward you.

NOTE:

When mounting the AMP PCB, assemble with care so that the AMP side plug may be fitted well with the tuner side socket.



Switch/tuner PCB

After dismounting the AMP PCB, take off three screws (a pan head tapping screw w/washer 3 x 8 mm, two pan head tapping screws 3 x 8 mm) from the tuner/switch PCB. Remove the hexagon head bolt (2.6 x 16 mm) from the dial drum (66) and separate the spring coil (67) for rope threading from the drum. Glue with adhesive cellophane tape, and pull toward the outside, then the switch/tuner PCB will come out loose. Pull out the PCB along the chassis groove with care not to damage the leads, then the disassembly is complete.

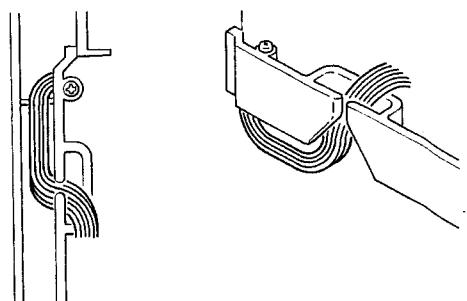
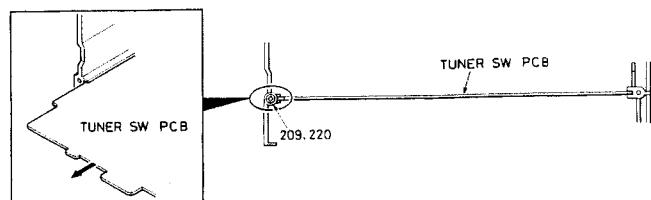
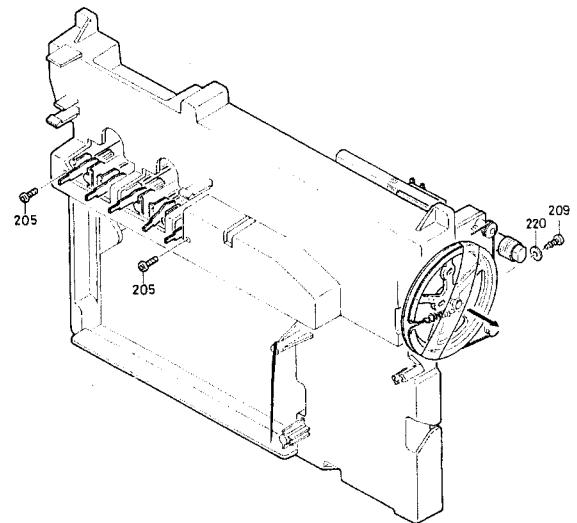
NOTE:

When dismounting the tuner/switch PCB, be careful not to separate the connection bandy cord from the amplifier PCB.

NOTE:

When reassembling the chassis into cabinet, arrange the leads aiming from the VR PCB as illustrated above. Unless arranged as specified, the cahssis may not settle home in the cabinet or the leads may be pinched and cut by the chassis and cabinet.

* Before checking or repairing the AMP PCB or tuner/switch PCB, make sure other smaller PCBs (INPUT PCB, OUTPUT PCB, OSCILLATION PCB, AMSS PCB, VR PCB) are properly connected.

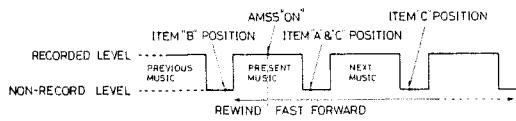


AMSS: HOW DOES IT WORK?

AMSS stands for Automatic Music Select System, and it is intended to search for the start of a desired music automatically by making use of the unrecorded (no-signal) segment between recorded tunes in a pre-recorded music tape.

Method of use

- A. In playback mode, to skip the tuner being reproduced and play back the next tune:
 - (1) Press AMSS button. (The button is locked.)
 - (2) Press FF-Cue/AMSS button. (This button is locked to fast-forward the tape. At this time AMSS indicator flickers to tell the tape running direction.)
 - (3) Reaching the end of the tune being reproduced, the FF-Cue/AMSS button only is reset automatically, and the playback of the next tune is started after running through the unrecorded segment.
 - B. In playback mode, to repeat the tune being reproduced:
 - (1) Press AMSS button. (The button is locked.)
 - (2) Press REW-Review/AMSS button. (This button is locked to rewind the tape. At this time, the other AMSS indication flickers to tell the tape running direction.)
 - (3) Returning to the start of the tune being reproduced, the REW-Review/AMSS button only is reset automatically, and the playback of the same tune is repeated immediately.
 - C. In playback mode, to skip several tunes to search for a desired one:
 - (1) Manipulate as in A-(1).
 - (2) Manipulate as in A-(2) and A-(3) repeatedly until the desired tune is located.



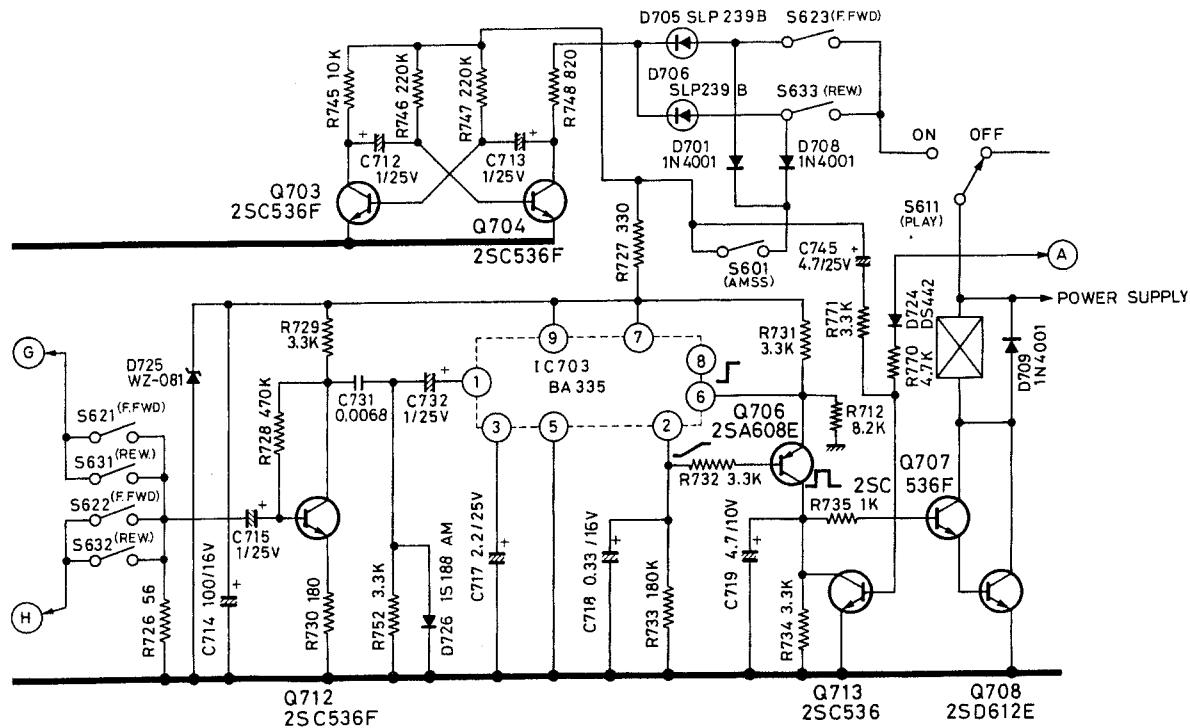
Circuit description

Main behavior

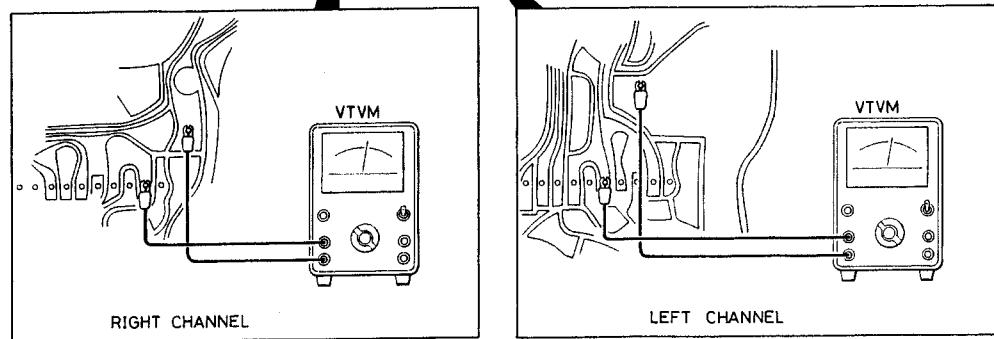
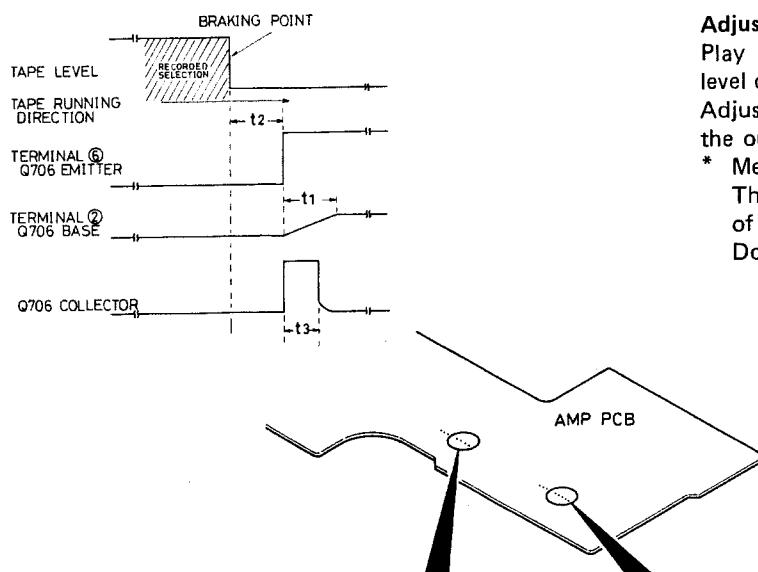
Playback signals from the head are detected in the level detector circuit. When unrecorded level is found, a single shot pulse is generated to operate the plunger.

Briefing on circuits

- (1) Pressing of play button will cause switch S611 to turn on.
Pressing of AMSS button will cause switch S601 to close.
When FF-Cue/AMSS or REW-Review/AMSS button is pressed, switch S623 or S633 will close.
Then, voltage V_{cc} is supplied into circuits.
 - (2) Transistors Q703, Q704 are astable multivibrator circuits; when switch S623 or S633 is closed, the power is supplied, and the circuit is activated to be in oscillating state, while either LED (D705 or D706) of tape running direction indicator flickers according to the switch operation. Diodes D707, D708 are intended to prevent over-current.



- (3) In playback mode, the audio sources (playback signals) detected by right and left heads are fed into (G) and (H) by way of tape equalizer amplifier and Dolby amplifier.
- (4) When FF-Cue/AMSS or REW-Review/AMSS button is pushed in, switches S621, S622, or S631, S632 are closed.
- (5) Transistor Q712 amplifies the audio sources in the AF (audio frequency) amplifier.
- (6) Capacitor C731 and resistor R730 compose a low-cut filter in order to eliminate the low frequency components of audio sources.
- (7) IC703 comprises circuits for AM amplifier, AC-DC converter, comparator and others, being designed to amplify the audio sources again, detect the level, and form pulses. The following waveforms are delivered to terminals No. 2 (C, R) and No. 6 (Tr-Out).
- (8) Transistor Q706 is switched on and off due to the differential voltage of emitter and base, composing single-shot pulse in the collector. Times t_1 , t_2 , t_3 are set by the time constant of capacitor C718 and resistor R733.
- (9) Transistor Q713 prevents erroneous actions in switch operations in the muting circuit.
- (10) Transistors Q707 and Q708 are linked by Darlington connection, of which single-shot pulses of small current are used to drive the plunger.
- (11) When the plunger starts to move, the slide (123) of the mechanism is pulled, so that the FF-Cue/AMSS or REW-Review/AMSS button locked in item (1) will be reset. Diode D709 is designed to prevent counter-electromotive current during plunger movement.

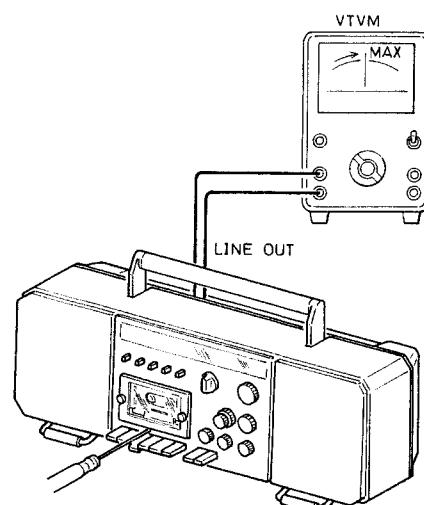


AMPLIFIER ADJUSTMENTS

Prepare	
Power source	DC 15V
Mode switch	STEREO
Dolby NR/ALC switch	OFF
Selector switch	TAPE
Tape switch	NORMAL
Loudness switch	OFF

Head azimuth

Tape to be used; (10 kHz, -10 dB)
Load a test tape and press the PLAY button.
Adjust the head azimuth screw so the LINE OUT level becomes maximum.
Repeat the adjustment on both channels and both sides of



Adjustment of playback level

Play back Dolby test tape MTT-115 0dB (TEAC Dolby level calibration tone 200 nWb/m).
Adjust controls SVR801 (L-ch) and SVR901 (R-ch) until the output level from measuring test point becomes 0.58 V.
* Measuring test point means ...
The line (common terminals of record/playback switch of S806 and S906) on point 7 of Dolby IC (LM1011N Dolby), IC801, IC901, and the ground.

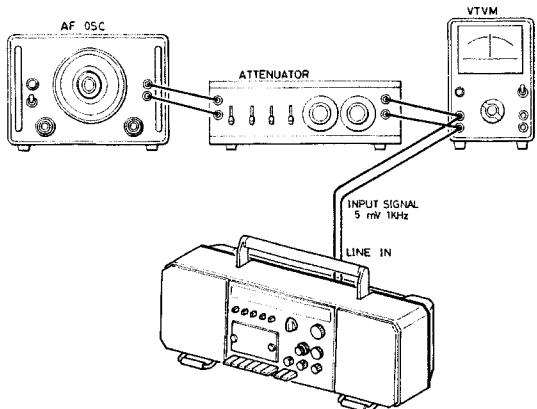
Adjustment of record/playback frequency response

(Bias adjustment)

Feed input signal of 5 mV (-46 dB) 1 kHz into the line input terminal. Turn the input control knob until the output at measuring test points (see above) becomes 40 mV. Under this condition, turn SVR701 and SVR702 until the difference between record output playback output becomes 0 whether the signal is 1 kHz or 10 kHz.

NOTE:

When adjusting, set the signal of line input at "OFF" state.

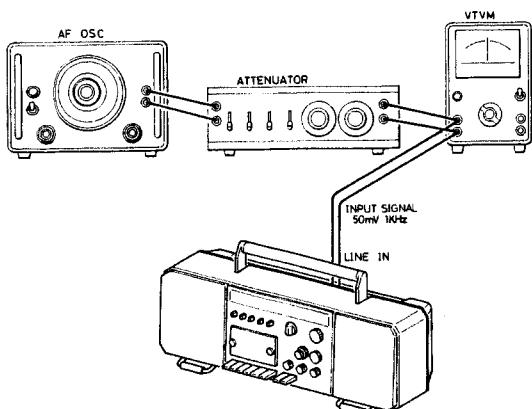


Adjustment of record and playback levels

Feed input signal of 50 mV (-26 dB) 1 kHz into the line input terminal. Turn the input control knob until the output at measuring test points (see above) becomes 0.58 V. Record, Adjust SVR802 and SVR902 so that the record input becomes equal to the playback output.

NOTE:

When playing back, set the signal of line input at "OFF" state.



Adjustment of ALC balance

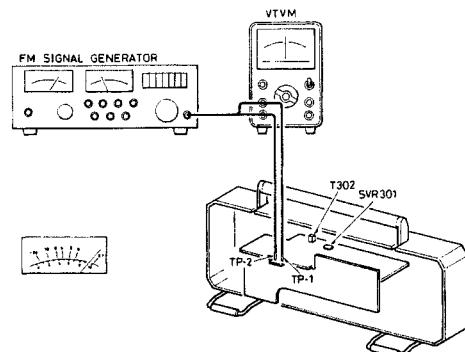
Turn on ALC switch.

Feed input signal of 500 mV (-6 dB) into the line input terminal. Set in record mode. Adjust by turning SVR703 until levels at measuring test points become uniform.

Adjustment of tuning meter

Feed input signal of 98 MHz, 66 dB into the set. Tune in the reception frequency of the set. Adjust SVR301 (10 kB) so that the meter swings up to graduation 9.5.

- (1) If the meter swing becomes larger as the input is being increased, adjust after raising the input until the meter is stabilized.
- (2) If the maximum point of meter swing does not coincide with the maximum output point, turn off AFC switch (to short-circuit TP4 and shield case), and tune in to the maximum point of meter swing. In this setting, adjust T303 to obtain the maximum output. At this time, keep the input at 50 dB.



Adjustment of FM MPX (multiplex)

- (1) Set SVR501 (10 kB) in the central position.
- (2) Apply modulation input into FM SG through stereo modulator. (* Modulation frequency is 400 Hz.)

Pilot signal	7.5 kHz dev. (10% mod.)
Stereo signal	22.5 kHz dev. with "main" signal (30% mod.)

NOTE:

Since the method of adjusting the modulation differs from one instrument to another, learn the method for the instrument you are going to use.

- (3) Keeping the output signal switch of stereo modulator at MAIN (L + R), set the radio's reception frequency to 98 MHz, and tune in with FM SG. (* Output of FM SG is 66 dB.)
- (4) 19 kHz adjustment (V.C.O. adjustment)

In FM stereo mode, connect frequency counter to TP6, and cut the output of stereo modulator to set in no-modulation state. Turn SVR501 (10 kB) to adjust to $19 \text{ kHz} \pm 50 \text{ Hz}$.

* No-modulation state: Turn off PILOT and MAIN & SUB of output signal switch.

Adjustment in no-input state is difficult because 19 kHz signals fluctuate due to noise component, but it is possible to adjust in away that the average of indications be $19 \text{ kHz} \pm 50 \text{ Hz}$.

- (5) Adjustment of separation
- Turn tone controls to minimum. Set the balance control in the middle point.
 - Turn on MAIN & SUB signal switch and PILOT signal switch, and set the output signal switch to "MAIN" position.
 - Connect VTVM to external speaker terminal. (Connect to right and left jacks of external speaker terminal recording to the adjustment or right and left channels.)
 - Turning volume controls, adjust the output of both right and left channel to the standard output (50 mW).
 - Turn on the RIGHT side and turn off the LEFT side of output signal switch.
Adjust SVR502 (1 kB) so as to minimize the LEFT side leakage output.
 - Turn on the LEFT side and turn off the RIGHT side of output signal switch.
Adjust SVR502 so as to minimize the RIGHT side leakage output. If the position of adjustment coincides with that in item 5) above, this is the completion of adjustment.
 - If the position of adjustment of SVR502 differs from the right channel to the left channel, adjust so that the separation of both channels becomes nearly equal to each other.

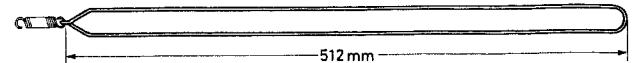
NOTE:

Separation, in both channels, should be:
More than 20 dB at 400 Hz, 1 kHz
More than 10 dB at 10 kHz
Adjust the separation after adjusting the meter.

THREADING OF DIAL ROPE

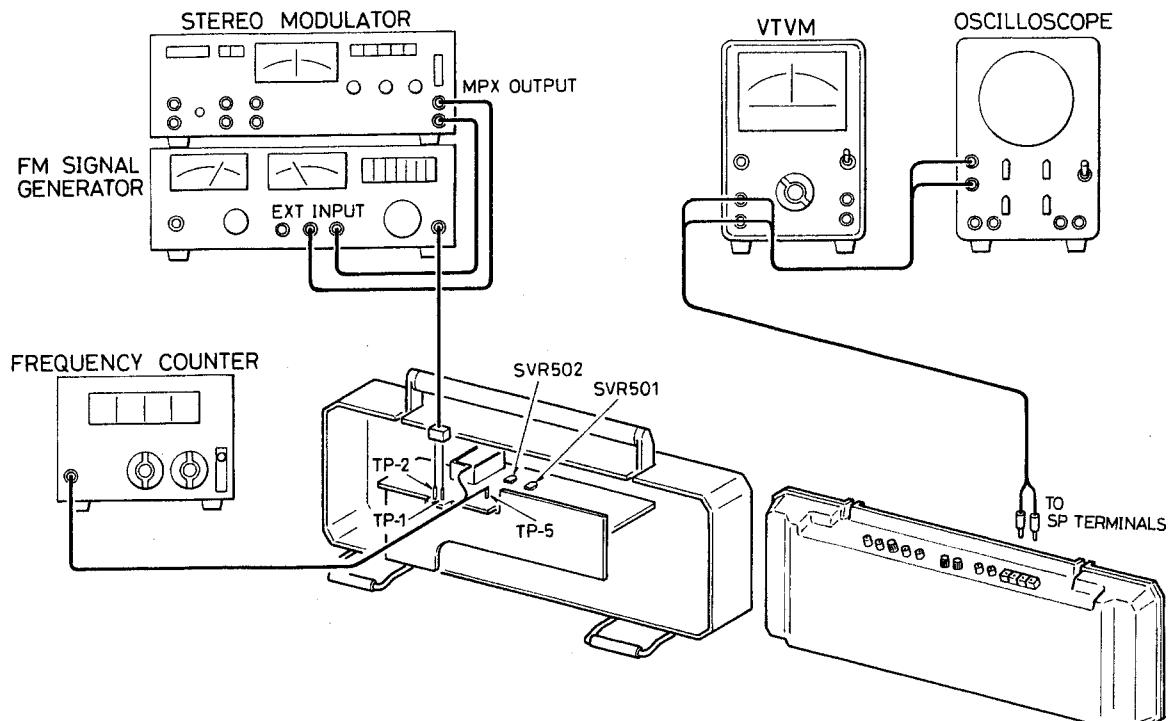
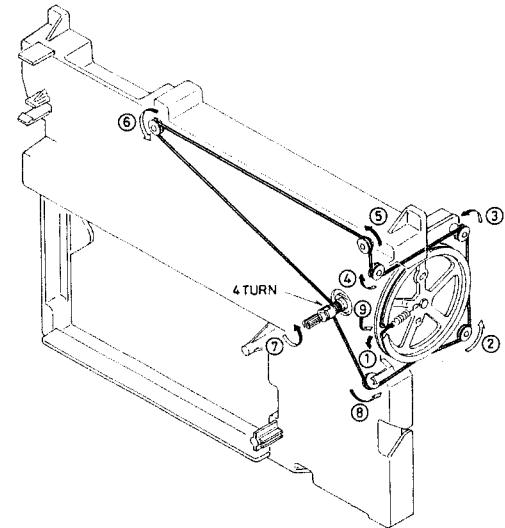
Preparation

Tie the rope to spring coil (67) of drum (66) in a folded length of 512 mm.



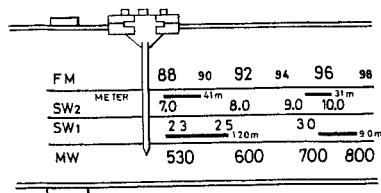
Procedure

Mount the spring coil with rope on the drum, and thread the rope in the direction of arrows (in the numerical sequence). After winding four turns on the tuning shaft, return to the spring coil of the drum.

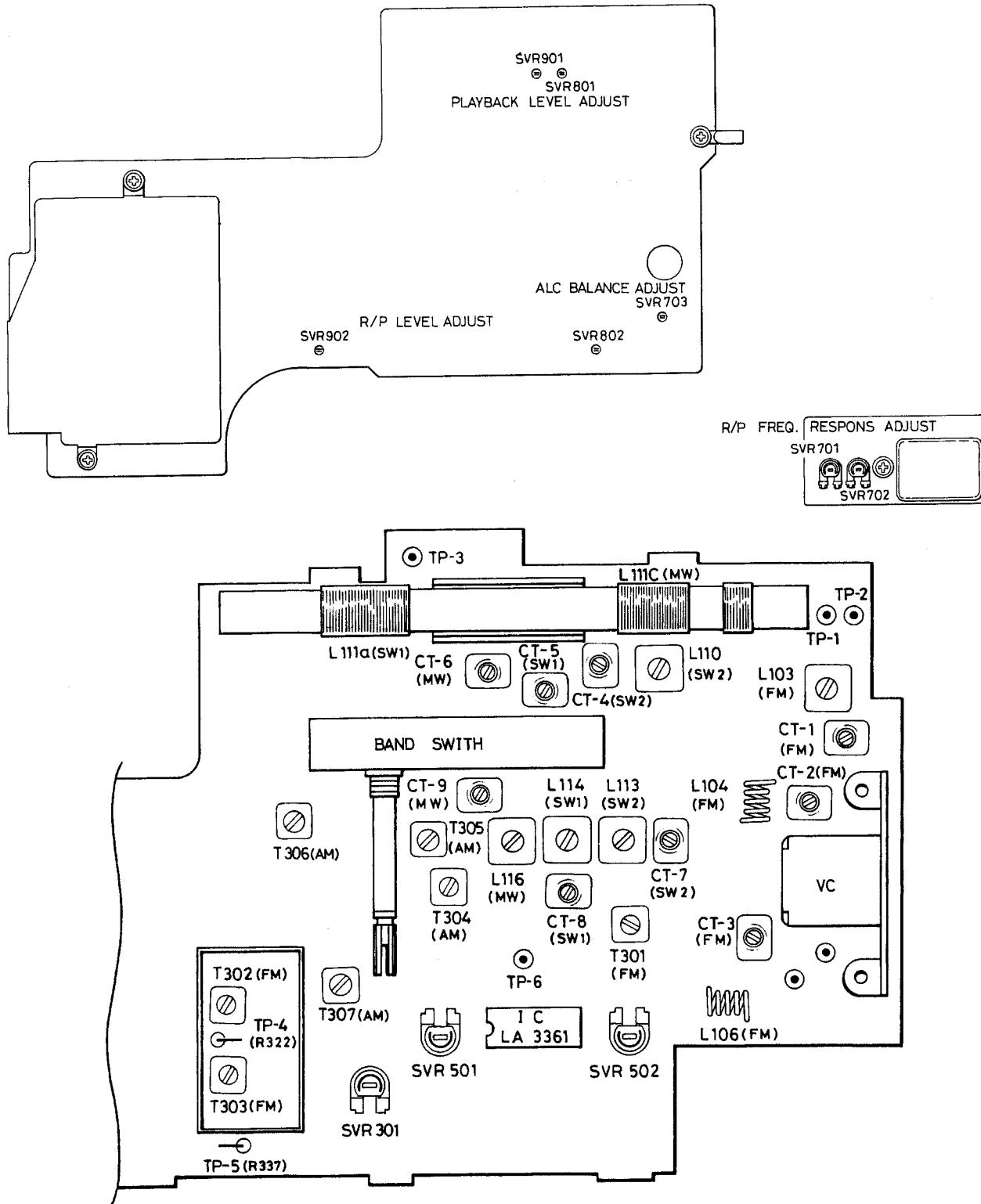


Pointer position adjustment

Rotate the tuning shaft counterclockwise until it turns idle, fit the pointer to the left end point, and secure it firmly.



PARTS LOCATION



TUNER ADJUSTMENT

* DC voltage is 15V and Speaker Impedance 3 ohms. Output Power 50mW.

MW ADJUSTMENT

Step	Adjusting Circuit	Connections		SG frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	I.F.T.	Connect sweep generator to Test Loop	Connect oscilloscope to EXT. SP terminals.	455 KHz (400 Hz 30% modulation)	Low end of dial scale under no station signal.	T304~T307	MAX.
2	OSC.	Connect AM SG to Test Loop	Connect VTVM to speaker terminals.	505 KHz (400 Hz 30% modulation)	Low end of dial scale.	L116	
3				1650 KHz (400 Hz 30% modulation)	High end of dial scale.	CT9	
4	ANT.	Connect AM SG to Test Loop.	Connect VTVM to speaker terminals.	600 KHz (400 Hz 30% modulation)	600 KHz on dial scale.	L111c	MAX.
5				1400 KHz (400 Hz 30% modulation)	1400 KHz on dial scale.	CT6	
6	Repeat adjustments.						

- PREPARE: 1. Set the dial pointer to very left line of dial scale.
 2. Connect sweep generator, AM SG, VTVM and oscilloscope.
 3. Selector switch to "MW".
 4. Use a screwdriver with plastic grip for all adjustments.
 5. Use a dummy of back lid and Rod antenna, adjust tracking points.

SW1 ADJUSTMENT

Step	Adjusting Circuit	Connections		SG frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	OSC.	Connect AM SG to Test Loop.	Connect VTVM to speaker terminals.	2.2 MHz (400 Hz 30% modulation)	Low end of dial scale.	L114	MAX.
2				7.3 MHz (400 Hz 30% modulation)	High end of dial scale.	CT8	
3	ANT.	Connect AM SG to Test Loop.	Connect VTVM to speaker terminals.	2.5 MHz (400 Hz 30% modulation)	2.5M Hz on dial scale.	L111a	MAX.
4				6.8 MHz (400 Hz 30% modulation)	6.8M Hz on dial scale.	CT5	
5	Repeat adjustments.						

- PREPARE: 1. Set the dial pointer to very left line of dial scale.
 2. Connect sweep generator, AM SG, VTVM and oscilloscope.
 3. Selector switch to "SW1".
 4. Use a screwdriver with plastic grip for all adjustments.
 5. Set the Fine Tuning to mechanical center.
 6. Use a dummy of back lid and Rod antenna, adjust tracking points.

SW2 ADJUSTMENT

Step	Adjusting Circuit	Connections		SG frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	OSC.	Connect AM SG to ANT terminal through dummy.	Connect VTVM to EXT. SP. terminals.	6.8 MHz (400 Hz 30% modulation)	Low end of dial scale.	L113	MAX.
2				22.7 MHz (400 Hz 30% modulation)	High end of dial scale.	CT7	
3	ANT.	Connect AM SG to ANT terminal through dummy.	Connect VTVM to EXT. SP. terminals.	8.0 MHz (400 Hz 30% modulation)	8.0 MHz on dial scale.	L110	MAX.
4				21.0 MHz (400 Hz 30% modulation)	21.0 MHz on dial scale.	CT4	
5	Repeat adjustments.						

- PREPARE: 1. Set the dial pointer to very left line dial scale.
 2. Connect signal generator to dummy antenna.
 3. Use screwdriver with plastic grip for all adjustments.
 4. Selector switch to "SW2".
 5. Set the Fine Tuning to mechanical center.
 6. Use a Dummy antenna as follow.

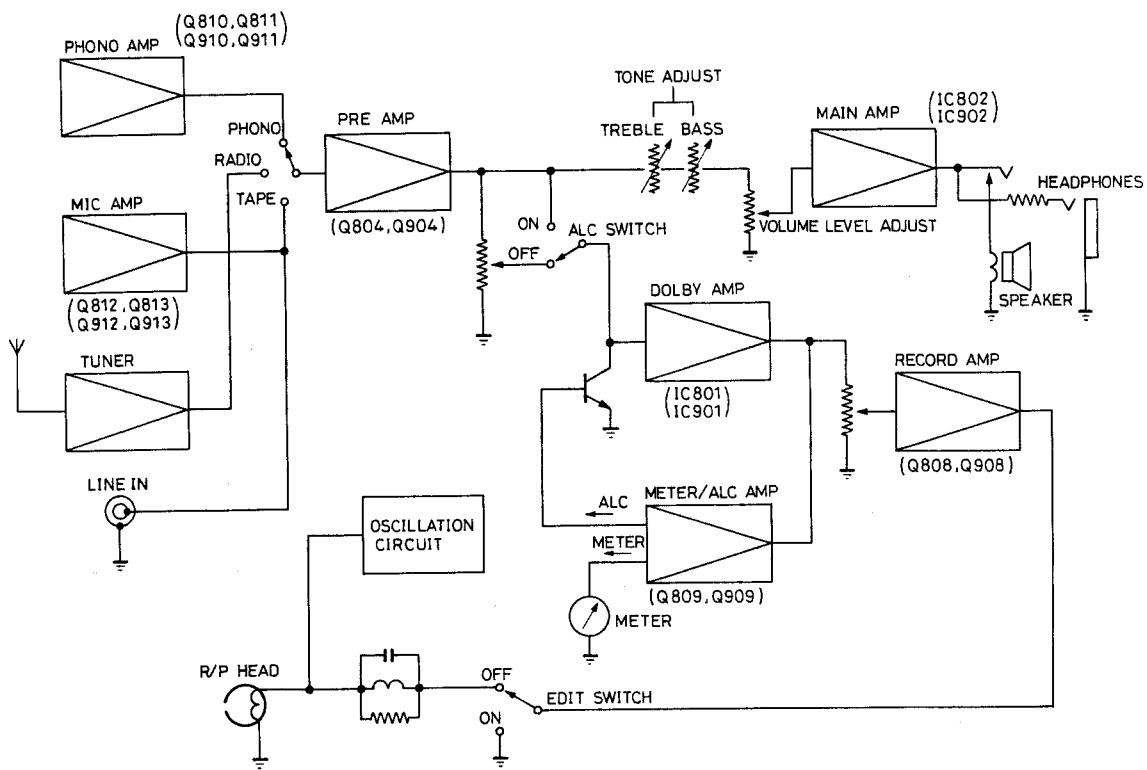
FM ADJUSTMENT

Step	Adjusting Circuit	Connections		SG frequency	Position of tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	I.F.	Connect sweep generator to FM TP1 (H) & TP2 (E)	Connect oscilloscope to TP4 (H) & shield plate (E).	10.7 MHz (10% modulation)	Near max. capacitance tuning gang under no station signal.	T301, T302	Set a ceramic filter center.
2			Connect oscilloscope to TP5 (H) & shield plate (E).			T303	
3	OSC.	Connect FM SG to TP-1 (H) & TP-2 (E)	Connect VTVM to speaker terminal.	87.0 MHz (400 Hz 30% modulation)	Low end of dial scale.	L106	MAX.
4				109.0 MHz (400 Hz 30% modulation)	High end of dial scale.	CT3	
5	ANT.	Connect FM SG to TP-1 (H) & TP-2 (E)	Connect VTVM to speaker terminal.	90.0 MHz (400 Hz 30% modulation)	90.0 MHz on dial scale.	L103, L104	MAX.
6				106.0 MHz (400 Hz 30% modulation)	106.0 MHz on dial scale.	CT1, CT2	
7	Repeat adjustments.						

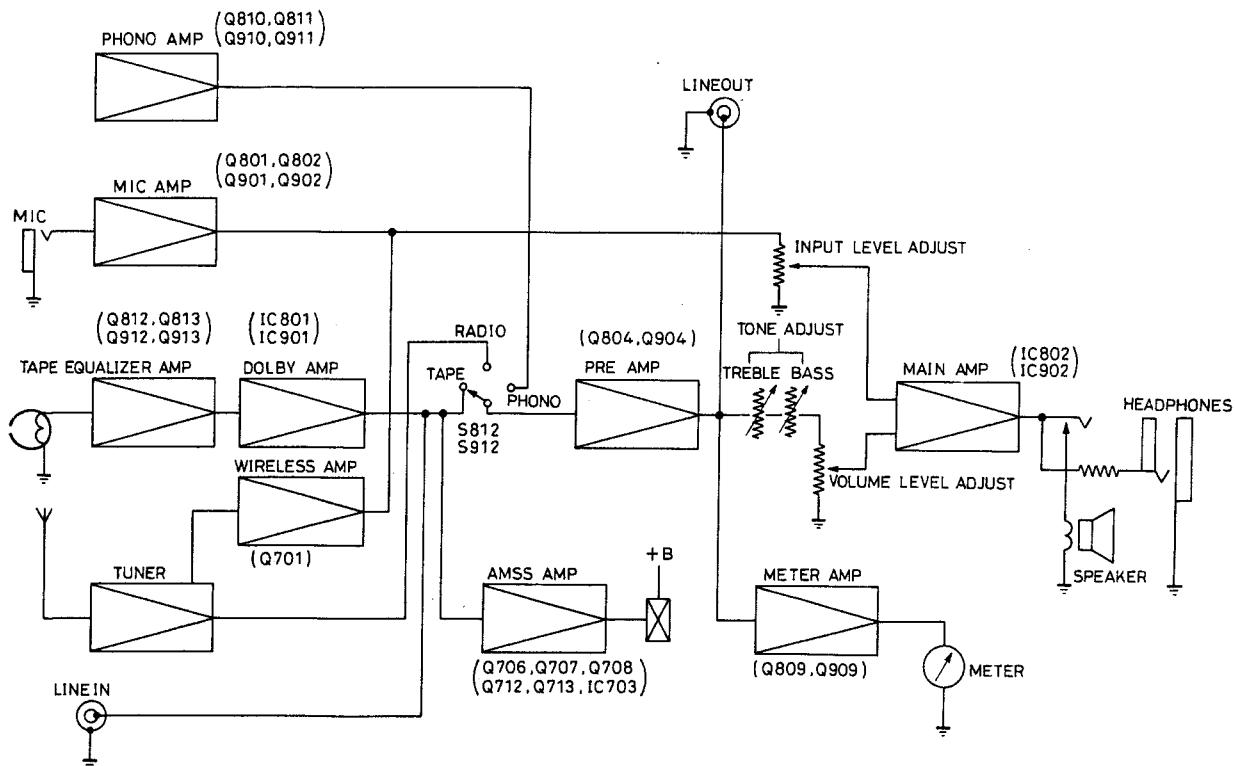
- PREPARE: 1. Set the dial pointer to very left line of dial scale.
 2. Connect sweep generator, FM SG, VTVM and oscilloscope. FM antenna input impedance is 300 ohm.
 3. Use a screwdriver with plastic grip for all adjustments.
 4. AFC switch OFF.

BLOCK DIAGRAM

RECORD BLOCK DIAGRAM



PLAYBACK BLOCK DIAGRAM



MECHANISM ADJUSTMENT

1. TAKE-UP TORQUE

Set the unit to PLAY, F.FWD or REW mode.

Measure each torque with a torque gauge.

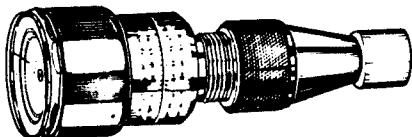
Each torque should be as follows;

PLAY 35 – 60 g/cm

FAST FORWARD 70 – 130 g/cm

REWIND 70 – 130 g/cm

If each torque fails to reach the standard value, clean the drive belt, flywheel, motor pulley, take-up reel idler and rewind roller with a cotton swab soaked in alcohol.



2. BACK TENSION

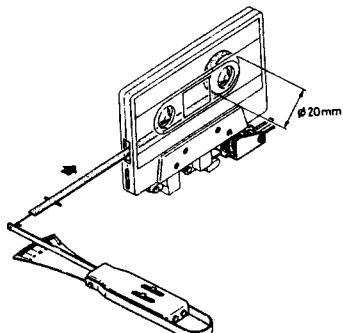
To measure back tension with tension gauge, make a hole in the side of the cassette as shown in figure two.

Be sure the tape does not rub against the edge of the cassette, or correct measurement will be impossible.

PLAY Less than 5 g/cm

FAST FORWARD Less than 5 g/cm

REWIND Less than 5 g/cm



3. TAPE TENSION

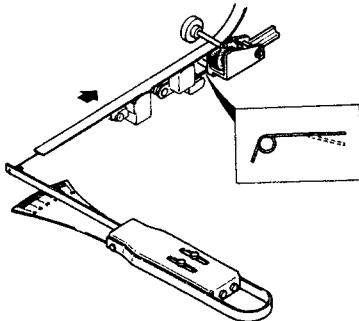
Cut off a length of tape. Tie one end to a thread connected to the tension gauge, and leave the other end hanging loose as shown in figure three.

Operate the unit in PLAY mode and hold the tension gauge steady.

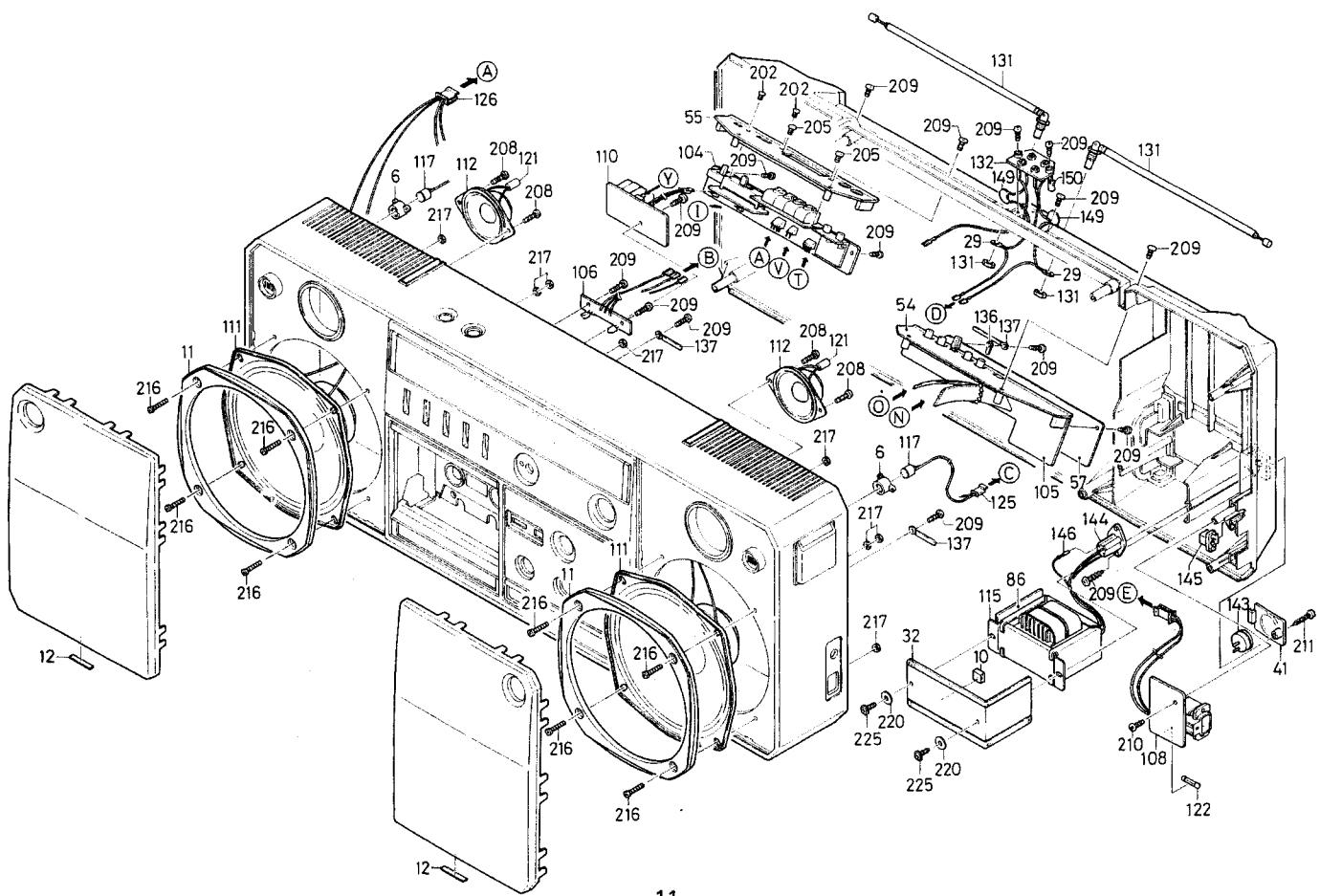
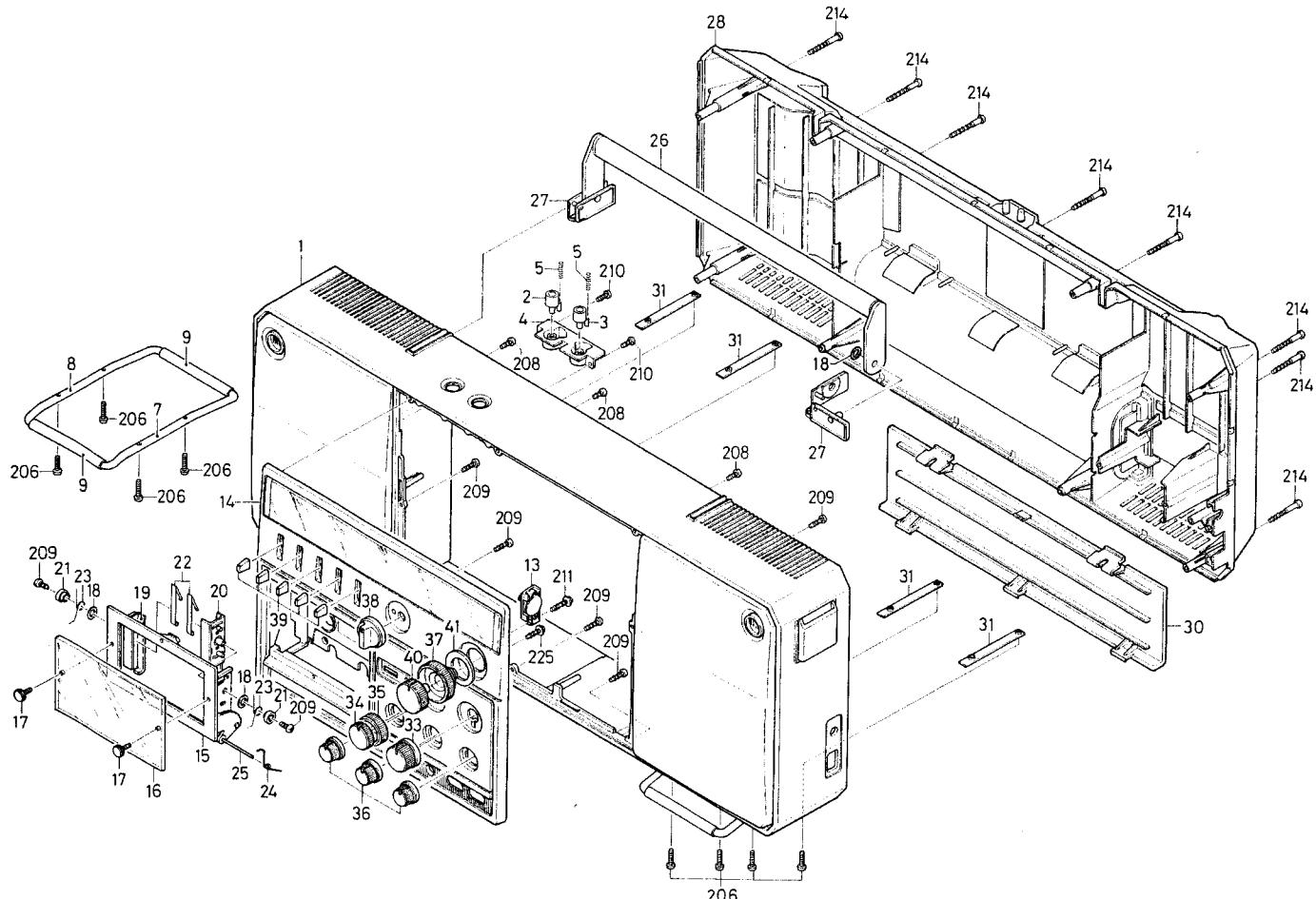
When the tape stops, read the tension gauge. If this reading is over 120 gram, no adjustment is needed.

If it is under 120 gram, adjust the pinch-roller pressure.

This is done by bending the spring wire 32 (141-2-852T-55700) shown in the mechanism exploded view. Clean the pinch roller with alcohol so the tape will not slip.



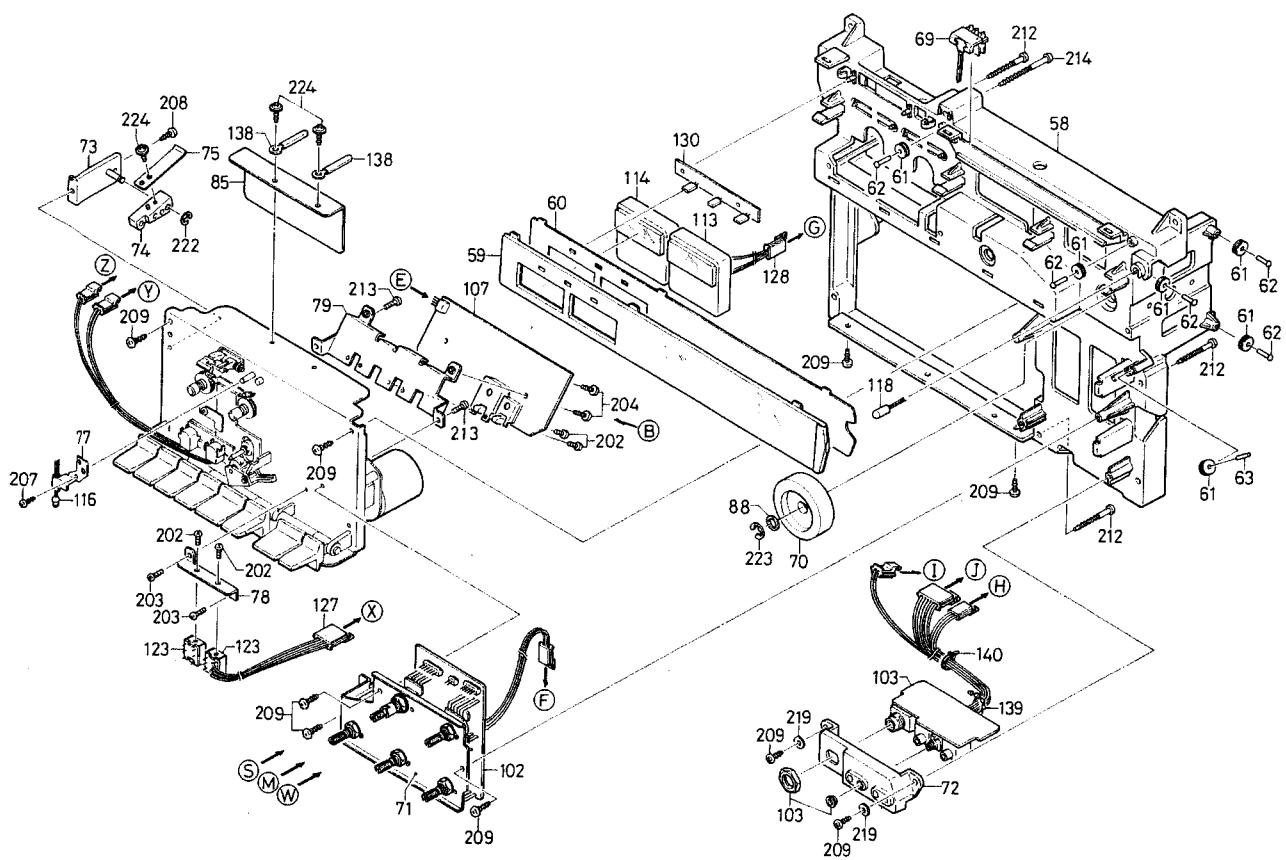
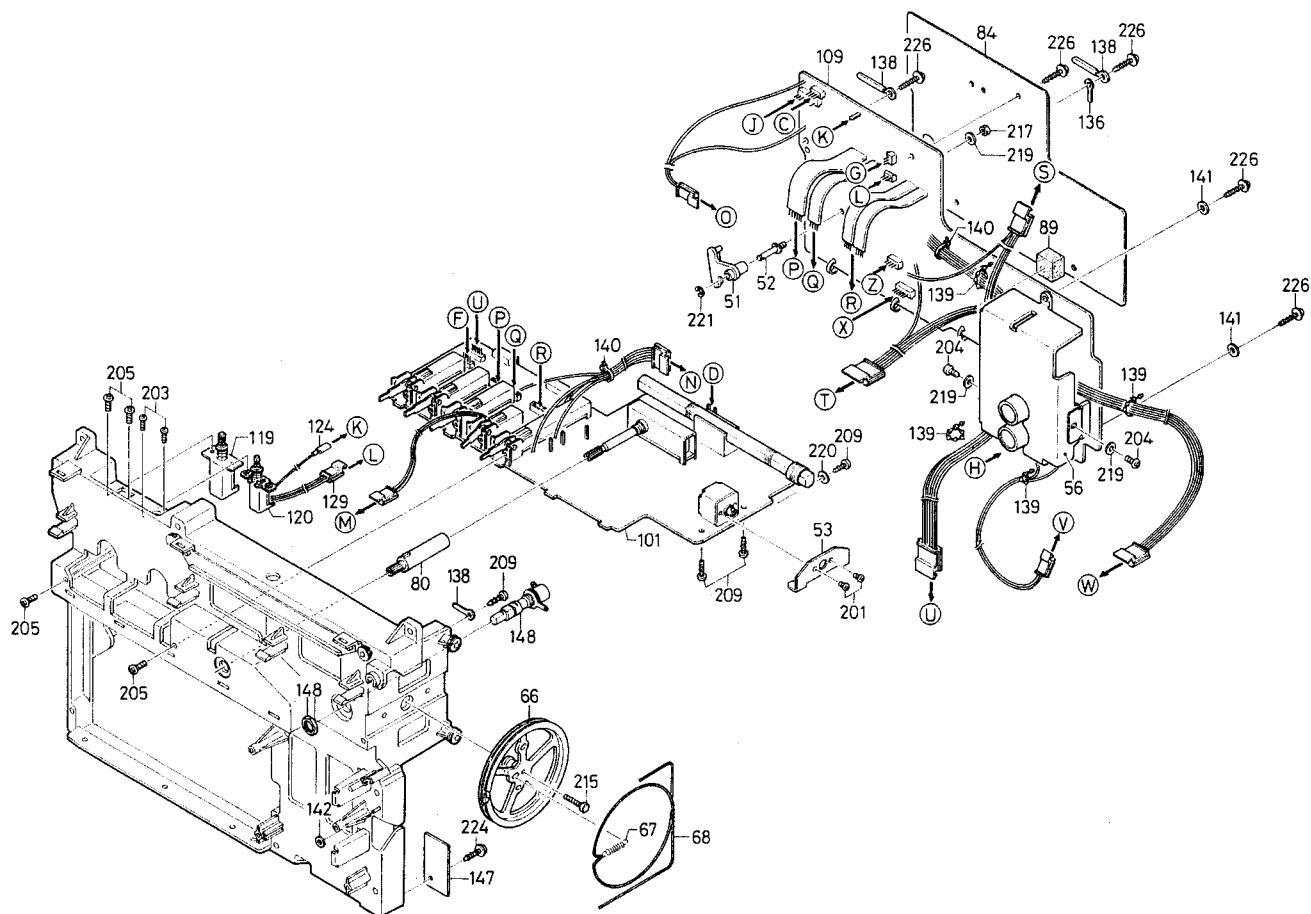
CABINET EXPLODED VIEW



PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty				
PACKING											
	141-6-133T-02300	Individual Carton	1	51	141-2-742T-36200	Lever, REC	1				
	141-6-410T-30600	Instruction Manual	1	52	123-2-566R-12000	Tuning Shaft	1				
	141-6-144T-56800	Form Plastic Case, Left	1	53	141-2-363T-09800	Bracket, VC	1				
	141-6-144T-56900	Form Plastic Case, Right	1	54	141-0-367T-32001	Bracket Ass'y, Socket	1				
	141-6-144T-54100	Form Plastic Case, Center	1	55	141-2-367T-32100	Bracket, SP Socket	1				
	141-2-171T-15400	Handle	1	56	141-2-368T-17800	Heat Sink, IC	1				
	141-2-273T-02100	Handle Base	1	57	141-2-322T-52300	Shield Plate	1				
	141-2-447T-03500	Cushion, Handle	2	58	141-2-311T-31300	Chassis	1				
	141-6-231T-90600	Inner Polye Cover, Set	1	59	141-0-146T-22600	Dial Scale Ass'y	1				
	141-6-231T-20350	Inner Polye Cover, Inst. B	1	60	141-2-245T-07101	Back Plate	1				
	141-2-332T-00300	Sleeve, Battery	2	61	141-2-661T-24600	Pulley	6				
	141-2-135T-62100	Cover, Jack	3	62	141-2-567T-02000	Pulley Shaft	5				
	141-6-317T-10900	Pad	1	63	141-2-567T-02100	Pulley Shaft	1				
	141-0-385T-02900	Bracket Assy, Mic	2	66	141-2-538T-03900	Drum	1				
	141-6-231T-15300	Inner Polye Cover, Mic	2	67	141-2-851T-06300	Spring Coil, Rope	1				
	141-6-231T-10200	Inner Polye Cover, Mic Stand	2	68	141-2-340T-00500	Rope	1				
	141-6-479T-08300	Label, Dolby	1	69	141-0-511T-13301	Pointer Ass'y	1				
	141-6-132T-90300	Individual Carton, Mic	1	70	141-2-521T-10500	Flywheel	1				
	141-6-176T-00200	Band, Carton	1	71	141-2-361T-16100	Bracket, VR	1				
ACCESSORY											
	4-241T-10891	Cassette Tape C-12	1	72	141-2-367T-32200	Bracket, Socket	1				
	4-153T-10700	Microphone, W/O Remote Switch	1	73	141-0-715T-05300	Bracket Lever Ass'y, REC	1				
	4-153T-10800	Microphone, W/Remote Switch	1	74	141-2-742T-36300	Lever, REC	1				
	4-243T-13001	or Power Cord	1	75	141-2-853T-62200	Spring Plate, REC	1				
	4-243T-11500			77	141-2-374T-14600	Bracket, Pilot	1				
	4-243T-76401			78	141-2-365T-42400	Bracket, Edit Switch	1				
	4-243T-79100	Plug Ass'y	1	79	141-2-365T-42500	Bracket, AMSS Switch	1				
	4-236T-11201			80	141-2-253T-16300	Joint, Band Select Switch	1				
CABINET				84	141-2-322T-53000	Shield Plate, AMP	1				
1	141-0-111T-39301	Cabinet Ass'y	1	85	141-2-322T-53100	Shield Plate, Mechanism	1				
2	141-2-161T-61800	Push Button, Power	1	86	141-2-246T-42700	Sheet, Fiber, 35 x 40mm, PT	1				
3	141-2-161T-61830	Push Button, Dial	1	88	141-2-453T-20200	Washer, 8.2 x 11 x 0.5mm, Flywheel	1				
4	141-2-210T-11300	Bracket, Push Button	1	89	141-2-447T-15200	Cushion	1				
5	141-2-855T-34000	Spring Coil, Push Button	2	90	141-2-453T-01200	Washer, 3 x 8 x 1mm, Rec Shaft	1				
6	141-2-385T-02200	Bracket, Mic	2	136	123-2-472R-00401	Lug	1				
7	141-2-174T-08001	Stand, Leg	2	137	141-2-472T-01001	Lug	3				
8	141-2-174T-08101	Stand, Leg	2	138	141-2-472T-01201	Lug	1				
9	141-2-461T-34400	Pipe, Leg	4	139	141-2-464T-08700	Fixer	7				
10	141-2-447T-66100	Cushion, 5 x 10 x 10mm, PT	1	140	141-2-464T-20671	Fixer	8				
11	141-2-153T-50030	Escutcheon, Speaker	2	141	141-2-453T-00800	Washer, 3 x 8 x 0.5mm	2				
12	141-2-246T-61800	Sheet, 4 x 30 x 1mm, Fiber	2	142	141-2-453T-01700	Washer, 3 x 10 x 1mm, Fiber	1				
13	141-0-581T-10901	Gear Ass'y	1	HARDWERE							
14	141-0-122T-28901	Front Panel Ass'y	1	201		Pan Hd. Screw, 2.6 x 4mm	2				
15	141-0-124T-24100	Top Lid Ass'y	1	202		Pan Hd. Screw, 2.6 x 6mm	4				
16	141-2-131T-19800	Clear Window, Top Lid	1	203		Pan Hd. Screw, 2.6 x 8mm	6				
17	141-2-421T-27700	Special Screw, Clear Window	2	204		Pan Hd. Screw, 3 x 6mm	5				
18	141-2-453T-31001	Washer, 8.2 x 12 x 0.5mm, Nylon	3	205		Pan Hd. Screw, 3 x 8mm	6				
19	141-2-210T-10600	Bracket, Cassette Holder	1	206		Pan Hd. Screw, 3 x 16mm	8				
20	141-2-210T-10700	Bracket, Cassette Holder	1	207		Pan Hd. Tapping Screw, 2.6 x 6mm	1				
21	141-2-135T-59200	Cover, Bracket	2	208		Pan Hd. Tapping Screw, 3 x 6mm	8				
22	141-2-853T-61100	Spring Plate, Cassette Pres	2	209		Pan Hd. Tapping Screw, 3 x 8mm	34				
23	141-2-852T-53100	Spring Wire, Bracket	2	210		Pan Hd. Tapping Screw, 3 x 10mm	3				
24	141-2-852T-56800	Spring Wire, Top Lid	1	211		Pan Hd. Tapping Screw, 3 x 16mm	2				
25	141-2-753T-63700	Shaft, Top Lid	1	212		Pan Hd. Tapping Screw, 3 x 30mm	3				
26	141-0-171T-15101	Handle Ass'y	1	213		Pan Hd. Tapping Screw, 2.6 x 8mm	2				
27	141-2-271T-14600	Bracket, Handle	2	214		Pan Hd. Tapping Screw, 3 x 40mm	9				
28	141-0-126T-28901	Back Lid Ass'y	1	215		Hexagon Bolt, 2.6 x 16mm	1				
29	123-2-472R-11100	Lug, Rod ANT	2	216		Hexagon Bolt, 3 x 18mm	8				
30	141-0-128T-14000	Battery Lid Ass'y	1	217		Hexagon Nut, 3mm	9				
31	141-2-411T-10600	Plate Nut, Leg	4	219		Washer, 3 x 8 x 0.5mm	3				
32	141-2-322T-51900	Shield Plate, PT	1	220		Washer, 3 x 13 x 1mm	3				
33	141-2-163T-60100	Rotary Knob, Main VR	1	221		Special Washer, E Ring, 2mm	1				
34	141-2-163T-60200	Rotary Knob, Mic VR	1	222	141-2-457T-23100	Special Washer	1				
35	141-2-163T-60300	Rotary Knob, Mic VR	1	223	141-2-457T-23401	Special Washer	1				
36	141-2-163T-60400	Rotary Knob, Bass/Treble	3	225		Pan Hd. Tapping Screw, W/Washer, 3 x 10mm	3				
37	141-2-163T-65800	Rotary Knob, Tuning	1	226		Pan Hd. Tapping Screw, W/Washer, 3x12mm	5				
38	141-2-163T-60600	Rotary Knob, Band Select	5								
39	141-0-162T-16100	Lever Knob Ass'y	1								
40	141-2-163T-65700	Rotary Knob, Fine Tuning	1								
41	141-2-132T-03800	Sign Window, Voltage Select	1								
42	141-2-453T-61901	Washer	1								

CHASSIS EXPLODED VIEW



PARTS LIST.

Ref. No.		Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
ELECTRICAL PARTS							
111	4-151T-32700	Speaker 16cm, Woofer	2	R724	RESISTORS	Carbon 2.7K ohm ±10% 1/4W	1
112	4-151T-30000	Speaker 5cm, Tweeter	2	R405,605		Carbon 1.5K ohm ±10% 1/4W	2
113	4-511T-09271	Meter, VU/Tuning	1	R896,996, 897,997		Carbon 8.2K ohm ±10% 1/4W	4
114	4-511T-09272	Meter, VU/Battery	1	R723		Carbon 220 ohms ±10% 1W	1
115	4-300T-02300	Power Trans	1	R837,937		Carbon 2.7K ohm ±10% 1/4W	2
116	4-612T-12500	Indicator Lamp, Cassette	1	C729	CAPACITORS	Electrolytic 4.7μF 16V	1
117	4-153T-10500	Microphone	2	C889,989, 826,926		Mylar 0.068μF 50V ±20%	4
118	4-612T-12600	Indicator Lamp, Dial	1	C820,920		Ceramic 82pF 50V ±10%	2
119	4-231T-76271	Switch, Power	1			
120	4-231T-53771	Switch, Dial	1	VC1~5	4-224T-14300	Variable Capacitors	1
121		Electrolytic Cap. Nonpolar 4.7μF, 16V (C891, 991)	2	L111A, B,C	4-257T-35601	ANT Coil Ass'y	1
122	4-234T-08400	Fuse 2.5A	1	L103	4-257T-33100	ANT Coil	1
123	4-231T-51373	Switch, Edit/AMSS	2	CT-1,2, 4,5	4-224R-01400	Trimmer	4
124	4-243T-12800	Lead	1	CT-3	4-224R-01400	Trimmer	1
125	4-235T-66300	Socket, Mic	1	CT-6,7, 8,9	4-224R-01400	Trimmer	4
126	4-235T-62900	Socket, Speaker	1	L101,102	4-265R-11800	VHF Coil	2
127	4-235T-63200	Socket, Edit	1	L104	4-265R-01300	VHF Coil	1
128	4-235T-66500	Socket, Meter	1	L105	4-265R-05000	VHF Coil	1
129	4-235T-66600	Socket, Pilot	1	L106	4-265T-02600	VHF Coil	1
131	4-244T-02600	Rod ANT	2	L113	4-258T-07540	OSC Coil	1
132	4-237T-08900	Terminal Board	1	L114	4-258T-07640	OSC Coil	1
133	4-235T-34600	Socket, Ext ANT	6	L116	4-258T-05640	OSC Coil	1
143	4-236T-09911	Plug Ass'y	1	L110	4-257T-28630	ANT Coil	1
144	4-235T-33200	Socket	1	L108	4-253R-11160	RF Choke Coil 1μH) or	1
145	4-235T-33000	Socket	1	L108	4-253T-10800	RF Choke Coil 1μH) or	1
146	141-2-382T-03100	Terminal	5	L112	4-255R-10700	Choke Coil 15μH) or	1
148	4-224T-14400	Variable Capacitor, Fine Tuning	1	L112	4-253T-10814	Choke Coil 15μH) or	1
149		Ceramic Cap. 10pF, ±10%, 50V (C145, C113)	2	T301	4-256R-20831	IFT	1
150	4-253R-11160	RF Choke Coil (L107)	1	T302	4-256R-15131	IFT	1
TUNER/PRE/SWITCH PCB ASS'Y							
101	141-4-233T-11700	P.C Board Ass'y, Tuner/Pre/ Switch	1	T303	4-256R-02331	IFT	1
Q804,904 D728	4-237T-00171	Terminal Board	1	T304,305, 306	4-256R-00131	IFT	3
	4-231T-86200	Switch, T/R/P	1	T307	4-256R-00231	IFT	1
	4-231T-86300	Switch, N/F/CR	3	CF301, 302	4-256T-80400	IF Filter	2
	4-231T-86500	Switch, Loudness	1		4-256T-80471	IF Filter	
		Transistor 2SC1571 G	2		4-256T-80472	IF Filter } or	
		Diode DS442	1		4-256T-80473	IF Filter	
C890,990 CB18,918 821,921	CAPACITORS	Electrolytic, 100μF, 6.3V	2	SVR301	4-222T-39576	Semifixed Variable Resistor	1
		Electrolytic, 1μF, 25V	4	SVR501	4-222T-39575	Semifixed Variable Resistor	1
		Electrolytic, 220μF, 16V	1	SVR502	4-222T-39572	Semifixed Variable Resistor	1
				CR501, 502	4-227T-02300	CR Pack	2
				S101-108	4-238T-04900	Switch, Band Select	1
R830,930 R775 R831,931 R829,929 R406,606 R832,932 R403,603 R404,604 R749 R869,969 R855,955 R856,956	RESISTORS	Carbon 680K ohm ±10% 1/4W	2	B102	123-2-471R-10400	Core	1
		Carbon 22K ohm ±10% 1/4W	1	B101	123-2-471R-10900	Core	1
		Carbon 2.7K ohm ±10% 1/4W	2	Q102,104	141-2-322T-18900	Shield Plate	1
		Carbon 22K ohm ±10% 1/4W	2	Q101	141-2-322T-18100	Shield Plate	1
		Carbon 3.3K ohm ±10% 1/4W	2	Q103	Transistor 2SC930 D2 Conv	2	
		Carbon 470 ohm ±10% 1/4W	2	Q301,302, 303	Transistor FET 2K49 H1	1	
		Carbon 220 ohm ±10% 1/4W	2	Q304	Transistor 2SC930 D Conv	1	
		Carbon 47 ohm ±10% 1/4W	2	Q718	Transistor 2SC930 E IF	3	
		Carbon 120K ohm ±10% 1/4W	1	IC501	Transistor 2SC930 D IF	1	
		Carbon 82K ohm ±10% 1/4W	2	D102,103, 101,105, 106,108,	Transistor 2SC930 D G	1	
4-235T-38793 4-235T-38797 4-235T-65372 4-235T-65374 4-235T-65378 4-235T-66900 4-235T-67471 4-236T-10200 4-236T-10273	RESISTORS	Carbon 4.7K ohm ±10% 1/4W	2	109,301, 302,303,	IC LA3361		1
		Carbon 3.3K ohm ±10% 1/4W	2	304,313, 314,316	Diode DS442 X or 1S2473	14	
		Carbon 220 ohm ±10% 1/4W	1	D305,306, 307,308			
				D309,310			
				D104			
				D312			
				D311			

PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
TUNER/PRE/SWITCH PCB ASS'Y				TUNER/PRE/SWITCH PCB ASS'Y			
C128	CAPACITORS	Ceramic 3pF ± 0.25pF 50V	1	C314,504		Al Electrolytic 0.47μF +40~20% 10V	2
C123		Ceramic 3pF ± 0.25pF 50V	1	C505,506		Al Electrolytic 1μF +40~20% 10V	2
C107		Ceramic 5pF ± 0.5% 50V	1	RESISTORS			
C115		Ceramic 5pF ± 0.5% 50V	1	R111		Carbon 33 ohm ± 10% 1W	1
C126		Ceramic 4pF ± 0.25pF 50V	1	R116		Carbon 10 ohm ± 10% 1W	1
C101		Ceramic 16pF ± 10% 50V	1	R123		Carbon 100 ohm ± 10% 1W	1
C110		Ceramic 7pF ± 0.25pF 50V	1	R102		Carbon 220 ohm ± 10% 1W	1
C135		Ceramic 7pF ± 0.25pF 50V	1	R114		Carbon 220 ohm ± 10% 1W	1
C122		Ceramic 10pF ± 10% 50V	1	R119		Carbon 270 ohm ± 10% 1W	1
C106		Ceramic 12pF ± 10% 50V	1	R103		Carbon 1K ohm ± 10% 1W	1
C119		Ceramic 12pF ± 10% 50V	1	R109,110		Carbon 1.2K ohm ± 10% 1W	2
C130		Ceramic 12pF ± 10% 50V	1	R113		Carbon 1.5K ohm ± 10% 1W	1
C113		Ceramic 10pF ± 10% 50V	1	R104		Carbon 1K ohm ± 10% 1W	1
C136,137		Ceramic 15pF ± 10% 50V	2	R120		Carbon 33K ohm ± 10% 1W	1
C132		Ceramic 15pF ± 10% 50V	1	R124		Carbon 10K ohm ± 10% 1W	1
C118		Ceramic 15pF ± 10% 50V	1	R117		Carbon 68K ohm ± 10% 1W	1
C102		Ceramic 20pF ± 10% 50V	1	R105		Carbon 15K ohm ± 10% 1W	1
C108		Ceramic 30pF ± 10% 50V	1	R108		Carbon 15K ohm ± 10% 1W	1
C116		Ceramic 100pF ± 10% 50V	1	R112		Carbon 15K ohm ± 10% 1W	1
C120		Ceramic 30pF ± 10% 50V	1	R107		Carbon 3.9K ohm ± 10% 1W	1
C104,105, 111,139, 513		Ceramic 0.022μF +80~20% 50V	5	R126		Carbon 22 ohm ± 10% 1W	1
C103		Ceramic 0.01μF 50V	1	R127		Carbon 5.6K ohm ± 10% 1W	1
C117		Ceramic 0.01μF 50V	1	R128		Carbon 3.3K ohm ± 10% 1W	1
C109		Ceramic 220pF ± 20% 50V	1	R122		Carbon 100K ohm ± 10% 1W	1
C114,331		Ceramic 0.047μF +80~20% 50V	2	R121		Carbon 100K ohm ± 10% 1W	1
C112		Ceramic 0.001μF +80~20% 50V	1	R118		Carbon 470K ohm ± 10% 1W	1
C141		Ceramic 100pF ± 10% 50V	1	R101		Carbon 470K ohm ± 10% 1W	1
C142,143, 144		Ceramic 0.022μF +80~20% 50V	3	R125		Carbon 5.6 ohm ± 10% 1W	1
C317		Ceramic 1pF ± 0.25pF 50V	1	R337		Carbon 3.3K ohm ± 10% 1W	1
C303,309		Ceramic 2pF ± 0.25pF 50V	2	R340		Carbon 1K ohm ± 10% 1W	1
C315		Ceramic 30pF ± 10% 50V	1	R327		Carbon 3.9K ohm ± 10% 1W	1
C318		Ceramic 30pF ± 10% 50V	1	R325,326		Carbon 5.6K ohm ± 10% 1W	2
C322,323, 325		Ceramic 220pF ± 10% 50V	3	R329		Carbon 6.8K ohm ± 10% 1W	1
C301		Ceramic 0.001μF ± 20% 50V	1	R330		Carbon 8.2K ohm ± 10% 1W	1
C340,312		Ceramic 0.022μF +80~20%, 50V	2	R309,310		Carbon 10K ohm ± 10% 1W	2
C335,337, 338		Ceramic 0.022μF +80~20% 50V	3	R314		Carbon 470K ohm ± 10% 1W	1
C305		Ceramic 0.01μF +80~20% 50V	1	R319		Carbon 270K ohm ± 10% 1W	1
C307		Ceramic 0.01μF +80~20% 50V	1	R328		Carbon 15K ohm ± 10% 1W	1
C316		Ceramic 0.01μF +80~20% 50V	1	R331		Carbon 56K ohm ± 10% 1W	1
C314,329, 330		Ceramic 0.047μF +80~20% 50V	3	R332		Carbon 33K ohm ± 10% 1W	1
C302		BC Con 0.047μF ± 20% 25V	1	R336		Carbon 1K ohm ± 10% 1W	1
C304,127		BC Con 0.0022μF ± 20% 25V	2	R335		Carbon 1M ohm ± 10% 1W	1
C310		BC Con 0.015μF ± 20% 25V	1	R316		Carbon 560 ohm ± 10% 1W	1
C311,121, 508,509		BC Con 0.01μF ± 20% 25V	4	R342		Carbon 820K ohm ± 10% 1W	1
C319,320, 321		BC Con 0.022μF ± 20% 25V	3	R344		Carbon 60 ohm ± 10% 1W	1
C306,131		BC Con 0.0047μF ± 20% 25V	2	R346		Carbon 10K ohm ± 10% 1W	1
C308		BC Con 0.022μF ± 20% 25V	1	R345		Carbon 10K ohm ± 10% 1W	1
C129		BC Con 0.0033μF ± 20% 25V	1	R301		Carbon 33 ohm ± 10% 1W	1
C125		Styrol 350pF ± 5% 50V	1	R302		Carbon 33 ohm ± 10% 1W	1
C503		Styrol 0.001μF ± 5% 50V	1	R318		Carbon 33 ohm ± 10% 1W	1
C124		Styrol 0.001μF ± 5% 50V	1	R313		Carbon 33 ohm ± 10% 1W	1
C138		Mylar 0.0022μF ± 20% 50V	1	R341		Carbon 33 ohm ± 10% 1W	1
C502		Mylar 0.047μF ± 20% 50V	1	R338		Carbon 220 ohm ± 10% 1W	1
C333		Mylar 0.039μF ± 20% 50V	1	R322		Carbon 270 ohm ± 10% 1W	1
C510,511		Electrolytic 1μF 25V	2	R315		Carbon 100 ohm ± 10% 1W	1
C507		Electrolytic 1μF 25V	1	R320		Carbon 330 ohm ± 10% 1W	1
C501		Electrolytic 2.2μF 25V	1	R308		Carbon 220 ohm ± 10% 1W	1
C512		Electrolytic 470μF 16V	1	R311		Carbon 560 ohm ± 10% 1W	1
C313		Electrolytic 10μF 16V	1	R312		Carbon 560 ohm ± 10% 1W	1
C324		Electrolytic 1μF 25V	1	R304		Carbon 560 ohm ± 10% 1W	1
C332		Electrolytic 1000μF 10V	1	R303		Carbon 470 ohm ± 10% 1W	1
C747		Electrolytic 100μF 25V	1	R339		Carbon 560 ohm ± 10% 1W	1
C748		Electrolytic 220μF 25V	1	R306		Carbon 330 ohm ± 10% 1W	1
C334		Al Electrolytic 0.1μF +40~20% 10V	1	R307		Carbon 1K ohm ± 10% 1W	1
				R317		Carbon 1K ohm ± 10% 1W	1
				R318		Carbon 1K ohm ± 10% 1W	1
				R319		Carbon 1K ohm ± 10% 1W	1
				R320		Carbon 330 ohm ± 10% 1W	1
				R321		Carbon 220 ohm ± 10% 1W	1
				R322		Carbon 560 ohm ± 10% 1W	1
				R323,324		Carbon 560 ohm ± 10% 1W	1
				R324		Carbon 560 ohm ± 10% 1W	1
				R325		Carbon 330 ohm ± 10% 1W	1
				R326		Carbon 1K ohm ± 10% 1W	1
				R327		Carbon 1K ohm ± 10% 1W	1
				R328		Carbon 1K ohm ± 10% 1W	1
				R329		Carbon 1K ohm ± 10% 1W	1
				R330		Carbon 1K ohm ± 10% 1W	1
				R331		Carbon 1K ohm ± 10% 1W	1
				R332		Carbon 1K ohm ± 10% 1W	1
				R333		Carbon 1K ohm ± 10% 1W	1
				R334		Carbon 1K ohm ± 10% 1W	1
				R335		Carbon 1K ohm ± 10% 1W	1
				R336		Carbon 1K ohm ± 10% 1W	1
				R337		Carbon 1K ohm ± 10% 1W	1
				R338		Carbon 1K ohm ± 10% 1W	1
				R339		Carbon 1K ohm ± 10% 1W	1
				R340		Carbon 1K ohm ± 10% 1W	1
				R341		Carbon 1K ohm ± 10% 1W	1
				R342		Carbon 1K ohm ± 10% 1W	1
				R343		Carbon 1K ohm ± 10% 1W	1
				R344		Carbon 1K ohm ± 10% 1W	1
				R345		Carbon 1K ohm ± 10% 1W	1
				R346		Carbon 1K ohm ± 10% 1W	1
				R347		Carbon 1K ohm ± 10% 1W	1
				R348		Carbon 1K ohm ± 10% 1W	1
				R349		Carbon 1K ohm ± 10% 1W	1
				R350		Carbon 1K ohm ± 10% 1W	1
				R351		Carbon 1K ohm ± 10% 1W	1
				R352		Carbon 1K ohm ± 10% 1W	1
				R353		Carbon 1K ohm ± 10% 1W	1
				R354		Carbon 1K ohm ± 10% 1W	1
				R355		Carbon 1K ohm ± 10% 1W	1
				R356		Carbon 1K ohm ± 10% 1W	1
				R357		Carbon 1K ohm ± 10% 1W	1
				R358		Carbon 1K ohm ± 10% 1W	1
				R359		Carbon 1K ohm ± 10% 1W	1
				R360		Carbon 1K ohm ± 10% 1W	1
				R361		Carbon 1K ohm ± 10% 1W	1
				R362		Carbon 1K ohm ± 10% 1W	1
				R363		Carbon 1K ohm ± 10% 1W	1
				R364		Carbon 1K ohm ± 10% 1W	1
				R365		Carbon 1K ohm ± 10% 1W	1
				R366		Carbon 1K ohm ± 10% 1W	1
				R367		Carbon 1K ohm ± 10% 1W	1
				R368		Carbon 1K ohm ± 10% 1W	1
				R369		Carbon 1K ohm ± 10% 1W	1
				R370		Carbon 1K ohm ± 10% 1W	1
				R371		Carbon 1K ohm ± 10% 1W	1
				R372		Carbon 1K ohm ± 10% 1W	1
				R373		Carbon 1K ohm ± 10% 1W	1
				R374		Carbon 1K ohm ± 10% 1W	1
				R375		Carbon 1K ohm ± 10% 1W	1
				R376		Carbon 1K ohm ± 10% 1W	1
				R377		Carbon 1K ohm ± 10% 1W	1
				R378		Carbon 1K ohm ± 10% 1W	1
				R379		Carbon 1K ohm ± 10% 1W	1
				R380		Carbon 1K ohm ± 10% 1W	1
				R381		Carbon 1K ohm ± 10% 1W	1
				R382		Carbon 1K ohm ± 10% 1W	1
				R383		Carbon 1K ohm ± 10% 1W	1
				R384		Carbon 1K ohm ± 10% 1W	1
				R385		Carbon 1K ohm ± 10% 1W	1
				R386		Carbon 1K ohm ± 10% 1W	1
				R387		Carbon 1K ohm ± 10% 1W	1
				R388		Carbon 1K ohm ± 10% 1W	1
				R389		Carbon 1K ohm ± 10% 1W	1
				R390		Carbon 1K ohm ± 10% 1W	1
				R391		Carbon 1K ohm ± 10% 1W	1
				R392		Carbon 1K ohm ± 10% 1W	1
				R393		Carbon 1K ohm ± 10% 1W	1
				R394		Carbon 1K ohm ± 10% 1W	1
				R395		Carbon 1K ohm ± 10% 1W	1
				R396		Carbon 1K ohm ± 10% 1W	1
				R397		Carbon 1K ohm ± 10% 1W	1
				R398		Carbon 1K ohm ± 10% 1W	1
				R399		Carbon 1K ohm ± 10% 1W	1
				R400		Carbon 1K ohm ± 10% 1W	1
				R401		Carbon 1K ohm ± 10% 1W	1
				R402		Carbon 1K ohm ± 10% 1W	1
				R403		Carbon 1K ohm ± 10% 1W	1
				R404		Carbon 1K ohm ± 10% 1W	1
				R405		Carbon 1K ohm ± 10% 1W	1
				R406		Carbon 1K ohm ± 10% 1W	1
				R407		Carbon 1K ohm ± 10% 1W	1
				R408		Carbon 1K ohm ± 10% 1W	1
				R409</			

PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty		
TUNER/PRE/SWITCH PCB ASS'Y									
R514		Carbon 3.9K ohm	±10% 1/4W	1	105	141-4-233T-13800	P.C Board Ass'y, Input Socket	1	
R501		Carbon 6.8K ohm	±10% 1/4W	1		4-235T-65500	Socket, Line In	1	
R503		Carbon 47K ohm	±10% 1/4W	1		4-235T-65600	Socket, RCAx2, 1 PHONO	1	
R776		Carbon 1 ohm	±10% 1/4W	1		4-231R-16600	Slide Switch	1	
R777		Carbon 5.6K ohm	±10% 1/4W	1		4-236T-10274	Plug, 7P	1	
R778		Carbon 68 ohm	±10% 1/4W	1		4-236T-10293	Plug, 2P	1	
VOLUME PCB ASSY									
102	141-4-230T-89602 4-222T-78900	P.C Board Ass'y, Volume Variable Resistor 50K-B, Volume	1 1	Q810,910, 811,911	C877,977, 411,611	P.C Board Ass'y, Input Socket	1		
	4-222T-78400	Variable Resistor 50K-W, Balance	1		C873,973	4-235T-65500	Socket, Line In	1	
	4-222T-78500	Variable Resistor 50K-A, Bass/Treble	2		C874,974	4-235T-65600	Socket, RCAx2, 1 PHONO	1	
	4-222T-72100	Variable Resistor 10K-A, Input	1		C805,905	4-231R-16600	Slide Switch	1	
	4-236T-10293	Plug, 2P	1		C806,906	4-236T-10274	Plug, 7P	1	
	4-236T-10272	Plug, 5P	1		C875,975	4-236T-10293	Plug, 2P	1	
	4-236T-10273	Plug, 6P	1		C808,908, 898,998	Transistor 2SC1571G	4		
	4-235T-67500	Socket, 3P	1		C801,901				
	CAPACITORS				C703				
C401,601		Ceramic 0.0022μF	±10% 50V	2		Ceramic 470pF	±10% 50V	4	
C412,612		Ceramic 100pF	±10% 50V	2		Ceramic 100pF	±10% 50V	2	
C823,923		Mylar 0.01μF	±20% 50V	2		Ceramic 180pF	±10% 50V	2	
C824,924		Mylar 0.022μF	±20% 50V	2		Mylar 0.1μF	±20% 50V	2	
C822,922, 826,926		Mylar 0.068μF	±20% 50V	4		Mylar 0.022μF	±20% 50V	2	
C825,925		AI Electrolytic 0.33μF +40~20% 16V	2		C875,975	Mylar 0.033μF	±20% 50V	2	
C899,999		AI Electrolytic 0.15μF +40~20% 16V	2		C808,908, 898,998	Electrolytic 1μF	25V	4	
	RESISTORS				C801,901	Electrolytic 4.7μF	±20% 50V	2	
R835,935		Carbon 10K ohm	±10% 1/4W	2		C703	Electrolytic 1000μF	10V	1
R878,978		Carbon 1.5K ohm	±10% 1/4W	2					
R407,607		Carbon 5.6K ohm	±10% 1/4W	2					
FRONT SOCKET PCB ASS'Y									
103	141-4-230T-89700 4-235T-60600 4-235T-60700 4-235R-15700 123-2-411R-10900 4-235T-60800 4-235T-63300 4-235T-66700 4-235T-64600	P.C. Board Ass'y, Front Socket Socket, Headphone Socket, Mic w/ Switch Socket, Remote Plate Nut, Remote Socket, Mic w/o Switch Socket, 3P Socket, 7P Socket, 2P AI Electronic Cup. 0.1μF +40~20% 16V Carbon Res. 1.5K ohm ±10% 1/4W Solid Res. 100 ohm ±10% 1/4W	1 1 1 1 1 1 1 1 1 4 2 2		R882,982	Carbon 22 ohm	±10% 1/4W	2	
C811,911, 812,912					R886,986	Carbon 3.3K ohm	±10% 1/4W	2	
R818,918					R884,984	Carbon 4.7K ohm	±10% 1/4W	2	
R720,721					R880,980, 413,613	Carbon 10K ohm	±10% 1/4W	4	
OUTPUT SOCKET PCB ASS'Y									
104	141-4-230T-90200 4-231T-86700 4-230T-97100 141-2-382T-11700 4-231T-65200 4-236T-10293 4-236T-10271 4-235T-65600 4-236T-10593 4-236T-10571	P.C Board Ass'y Input Socket Switch, Speaker P.C Board, Speaker Switch Terminal Switch, Beat Switch Plug, 2P Plug, 4P Socket, Line Out Plug, 2P Plug, 4P Mylar Cap. 0.0022μF ±20% 50V	1 1 1 1 1 1 1 1 1 2 1		R808,908	Carbon 100K ohm	±10% 1/4W	2	
C711					R888,985	Carbon 27K ohm	±10% 1/4W	2	
					R803,903	Carbon 47K ohm	±10% 1/4W	2	
					R411,611	Carbon 1K ohm	±10% 1/4W	2	
					R412,612, 883,983	Carbon 1M ohm	±10% 1/4W	4	
					R825,925	Carbon 22K ohm	±10% 1/4W	2	
					R709	Carbon 1.2K ohm	±10% 1/4W	1	
					R879,979	Carbon 820K ohm	±10% 1/4W	2	
					R802,902	Carbon 2.2K ohm	±10% 1/4W	2	
					R881,981	Carbon 150 ohm	±10% 1/4W	2	
AMSS LED PCB ASS'Y									
106	141-4-230T-90000 4-235T-34600	P.C Board Ass'y, AMSS LED Socket LED SLP239B, Green	1 3 2						
AMSS PCB ASS'Y									
107	141-4-230T-90172 4-231T-43072 4-231T-51372 4-252T-04700 4-236T-10571	P.C Board Ass'y, AMSS Switch, F F/REW Switch, Play/Stop Choke Coil Plug 4P IC BA 335 Transistor 2SC536F	1 2 2 1 1 1 4		IC703	Transistor 2SD612E	1		
					Q707,712, 713,803	Transistor 2SA608G	1		
					Q708	Transistor 2SD400F	1		
					Q706	Transistor 2SC536F	1		
					Q710	Transistor 2SC536F or 2SC945Q	4		
					Q903	Diode DS442	5		
					Q703,704, 814,914	Diode 1N4001	3		
					D717,718, 806,906, 724	Diode WZ130	1		
					D709,707, 708	Diode WZ081	1		
					D710	Diode 1S188 AM	1		
					D725				
					D726				

PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
AMSS PCB ASS'Y							
C712,713, 715	CAPACITORS	Electrolytic 1μF 25V	3	109	141-4-233T-06072 4-235T-01600	P.C. Board Ass'y, Main AMP MPX Coil, Dolby	1
C727		Electrolytic 47μF 16V	1	L802,902	4-252T-08300	Choke Coil, 15mH	2
C728,714, 743		Electrolytic 100μF 16V	3	L801,901	4-252T-03700	Choke Coil	2
C733		Electrolytic 1000μF 16V	1	SVR801, 901, 802, 902	4-222T-39575	Semidixed Variable Resistor	4
C705		Electrolytic 33μF 16V	1	SVR703	4-222T-39575 4-237T-03000	Semidixed Variable Resistor	1
C745		Electrolytic 4.7μF 25V +40-20% 16V	1		4-231T-86100 4-231T-86171	Terminal Board Switch, R/P	1
C732		Al Electrolytic 1μF +40-20% 16V	1		4-236T-10200	Switch, R/P Muting	1
C717		Al Electrolytic 2.2μF +40-20% 16V	1		4-236T-10271	Plug, 3P	3
C718		Al Electrolytic 0.33μF ±10% 10V	1		4-236T-10273	Plug, 4P	2
C719		Al Electrolytic 4.7μF ±10% 10V	1		4-236T-10274	Plug, 6P	2
C749,750	RESISTORS	Ceramic 0.022μF +80-20% 50V	2		4-236T-10277	Plug, 7P	1
C731		Mylar 0.0047μF ±10% 50V	1		4-235T-66800	Plug, 10P	1
R726		Carbon 56 ohm ±10% 1/4W	1		4-235T-67000	Socket, 5P	1
R743		Carbon 150 ohm ±10% 1/4W	1		4-235T-67171	Socket, 6P	1
R727		Carbon 33 ohm ±10% 1/4W	1		4-235T-67200	Socket, 2P	1
R750		Carbon 1K ohm ±10% 1/4W	1		4-235T-64700	Socket, 6P	1
R715,735		Carbon 1K ohm ±10% 1/4W	2		4-235T-67300	Socket, 4P	1
R732,734, 729		Carbon 3.3K ohm ±10% 1/4W	3		4-235T-34600	Socket,	1
R712,713, 770		Carbon 4.7K ohm ±10% 1/4W	3	IC802,902	IC BA532 S2	2	
R731		Carbon 3.3K ohm ±10% 1/4W	1	IC801,902	IC NE646BN	2	
R745		Carbon 10K ohm ±10% 1/4W	1	Q805,905, 809,909	Transistor 2SC536 G	4	
R733		Carbon 180K ohm ±10% 1/4W	1	Q815,915, 715,711	Transistor 2SC536 G	4	
R745,747		Carbon 220K ohm ±10% 1/4W	2	Q801,901, 802,902	Transistor 2SC1571 G	4	
R728		Carbon 470K ohm ±10% 1/4W	1	Q812,912, 813,913	Transistor 2SC1571 G	4	
R722		Carbon 10 ohm ±10% 1/4W	1	Q808,908	Transistor 2SC693 G	2	
R748		Carbon 820 ohm ±10% 1/4W	1	Q807,907	Transistor 2SC536 E ALC	2	
R752		Carbon 3.3K ohm ±10% 1/4W	1	Q714,715, 716	Transistor 2SC536 F	3	
R714		Carbon 3.9K ohm ±10% 1/4W	1	Q816,916	Transistor 2SC536 G	2	
R736		Carbon 120 ohm ±10% 2W	1	Q814,914, 717	Transistor 2SC536 G	3	
R739		Carbon 1.5K ohm ±10% 1/4W	1	Q814,914, 717	Transistor 2SC945 P	3	
R742		Carbon 3.3 ohm ±10% 1/4W	1	D701,702, 703,704, 719,720, 721,807, 907,722, 723,729, 805,905, 801,802, 901,902	Diode DS442	18	
R730		Carbon 180 ohm ±10% 1/4W	1	D803,903, 804,904	Diode 1S188 AM	4	
R772		Carbon 8.2K ohm ±10% 1/4W	1				
R771		Carbon 3.3K ohm ±10% 1/4W	1				
DG PCB ASS'Y							
108	141-4-233T-16600 4-235T-57100 141-2-135T-44900 141-2-381T-04200 4-235T-62700	P.C Board Ass'y, DG Socket, AC Input Cover Bracket, Fuse Socket, 4P Diode GP20D	1 1 1 2 1 4	CAPACITORS	C846,946 C895,995 C831,931 C838,938, 861,961 C882,982, 816,916, 879,979 C881,981, 815,915, 896,996 C809,908, 894,994 C883,983 C403,603 C751	Ceramic 390pF ±10% 50V Ceramic 330pF ±10% 50V Ceramic 150pF ±10% 50V Ceramic 220pF ±10% 50V Ceramic 180pF ±10% 50V Ceramic 100pF ±10% 50V Ceramic 82pF ±10% 50V Ceramic 47pF ±10% 50V Ceramic 0.001μF ±10% 50V Ceramic 0.002μF +80-20% 50V	2 2 2 4 6 6 4 2 2 1
D713,714 715,716 C720,721 722,723	Ceramic Cap. 0.023μF +80-20% 50V	4					

PARTS LIST

Ref. No.	Part No.	Description		Q'ty
MAIN PCB ASS'Y				
C725,730		Electrolytic 3300 μ F 25V		2
C835,935		Electrolytic 1000 μ F 16V		2
C834,934		Electrolytic 470 μ F 16V		2
C836,936		Electrolytic 220 μ F 25V		2
C740,813, 913,810, 910,852, 952		Electrolytic 220 μ F 16V		7
C872,972, 867,967, 837,737		Electrolytic 220 μ F 16V		6
C702,736		Electrolytic 100 μ F 16V		2
C832,932		Electrolytic 47 μ F 10V		2
C830,930		Electrolytic 22 μ F 16V		2
C814,914, 887,987, 839,939		Electrolytic 4.7 μ F 25V		6
C869,969, 897,997, 741		Electrolytic 4.7 μ F 25V		5
C849,949, 844,944, 807,907		Electrolytic 1 μ F 25V		6
C850,950, 854,954, 856,956		Electrolytic 1 μ F 25V		6
C880,980		Electrolytic 1 μ F 25V		2
C863,963, 859,959		Electrolytic 10 μ F 16V		4
C744		Electrolytic 47 μ F 16V		1
C704		Electrolytic 22 μ F 10V		1
C701		Electrolytic 47 μ F 10V		1
C827,927		Al Electrolytic 0.47 μ F +40-20% 16V		2
C853,953, 858,958, 892,992		Al Electrolytic 0.1 μ F +40-20% 16V		6
C817,917, 893,993		Al Electrolytic 0.1 μ F +40-20% 16V		4
C855,955		Al Electrolytic 0.22 μ F +40-20% 16V		2
C857,957		Al Electrolytic 0.33 μ F +40-20% 16V		2
C871,971		Mylar 0.15 μ F ±20% 50V		2
C833,933		Mylar 0.1 μ F ±20% 50V		2
C860,960		Mylar 0.047 μ F ±5% 50V		2
C862,962		Mylar 0.027 μ F ±5% 50V		2
C847,947		Mylar 0.022 μ F ±5% 50V		2
C845,945		Mylar 0.018 μ F ±20% 50V		2
C888,988		Mylar 0.0068 μ F ±20% 50V		2
C864,964		Mylar 0.0056 μ F ±5% 50V		2
C865,965		Mylar 0.0047 μ F ±5% 50V		2
C848,948		Mylar 0.0015 μ F ±20% 50V		2
C851,951, 884,984		Mylar 0.001 μ F ±20% 50V		4
C866,966		Mylar 0.001 μ F ±5% 50V		2
RESISTORS				
R820,920, 875,877, 977		Carbon 1M ohm ±10% 1/4W		5
R894,994		Carbon 1M ohm ±10% 1/4W		2
R891,991		Carbon 820K ohm ±10% 1/4W		2
R887,987		Carbon 680K ohm ±10% 1/4W		2
R872,972		Carbon 18 ohm ±10% 1/4W		2
R870,970, 858,958		Carbon 270K ohm ±10% 1/4W		4
R814,914, 864,964		Carbon 220K ohm ±10% 1/4W		4
R848,948		Carbon 180K ohm ±10% 1/4W		2
R857,957, 873,973		Carbon 47K ohm ±10% 1/4W		4
R861,961		Carbon 39K ohm ±10% 1/4W		2
R890		Carbon 27K ohm ±10% 1/4W		1
R892,992		Carbon 22K ohm ±10% 1/4W		2
R765		Carbon 15K ohm ±10% 1/4W		1

Ref. No.	Part No.	Description	Q'ty
MAIN PCB ASS'Y			
R823,923, 860,862, 821,921		Carbon 10K ohm ± 10% 1/4W	6
R962,704, 756,834, 960		Carbon 10K ohm ± 10% 1/4W	5
R402,602		Carbon 8.2K ohm ± 10% 1/4W	2
R827,927, 847,947, 850,950		Carbon 6.8K ohm ± 10% 1/4W	6
R845,945, 853		Carbon 5.6K ohm ± 10% 1/4W	3
R707,708, 846,946		Carbon 4.7K ohm ± 10% 1/4W	4
R701		Carbon 8.2K ohm ± 10% 1/4W	1
R768,769		Carbon 4.7K ohm ± 10% 1/4W	2
R851,951		Carbon 3.3K ohm ± 10% 1/4W	2
R801,901, 867,967		Carbon 2.2K ohm ± 10% 1/4W	4
R774,601, 815,915, 755		Carbon 1.5K ohm ± 10% 1/4W	5
R868,968, 859,959		Carbon 1.2K ohm ± 10% 1/4W	4
R754,706, 835,933, 852,952		Carbon 1K ohm ± 10% 1/4W	6
R865,965, 702		Carbon 1K ohm ± 10% 1/4W	3
R843,943, 898,998, 828,928		Carbon 820 ohm ± 10% 1/4W	6
R822,922, 849		Carbon 560 ohm ± 10% 1/4W	3
R863,963, 888,988		Carbon 330 ohm ± 10% 1/4W	4
R874		Carbon 180 ohm ± 10% 1/4W	1
R842,942		Carbon 100 ohm ± 10% 1/4W	2
R710,711		Carbon 68 ohm ± 10% 1/4W	2
R893,993, 866,966		Carbon 56 ohm ± 10% 1/4W	4
R895,995		Carbon 22 ohm ± 10% 1/4W	2
R975		Carbon 1M ohm ± 10% 1/4W	1
R738		Carbon 68 ohm ± 10% 1W	1
R758		Carbon 270 ohm ± 10% 1/4W	1
R990		Carbon 27K ohm ± 10% 1/4W	1
R934		Carbon 10K ohm ± 10% 1/4W	1
R953		Carbon 5.6K ohm ± 10% 1/4W	1
R401		Carbon 1.5K ohm ± 10% 1/4W	1
R753		Carbon 1.8K ohm ± 10% 1/4W	1
R703,705		Carbon 4.7K ohm ± 10% 1/4W	2
R763		Carbon 10 ohm ± 10% 1/4W	1
R889,989, 876,976		Carbon 3.3K ohm ± 10% 1/4W	4
R762		Carbon 330K ohm ± 10% 1/4W	1
R760		Carbon 220 ohm ± 10% 1/4W	1
R974		Carbon 180 ohm ± 10% 1/4W	1
R766		Carbon 220 ohm ± 10% 1/4W	1
R767		Carbon 10 ohm ± 10% 1/4W	1
R757		Carbon 18K ohm ± 10% 1/4W	1
R408,608		Carbon 1K ohm ± 10% 1/4W	2
R409,609		Carbon 100 ohm ± 10% 1/4W	2
R414,614, 415,615		Carbon 1K ohm ± 10% 1/4W	4
OSC PCB ASS'Y			
110	141-4-233T-08300 4-258T-20202 4-222T-39578	P.C Board Ass'y, OSC OSC Coil, Bias Semifixied Variable Resistor	1 1 2
SVR701, 702	4-236T-10293 4-235T-64400 4-252T-08800 4-252T-08871	Plug, 2P Socket, 2P Choke Coil) or Choke Coil Ceramic Cap. 220pF ±10% 50V	1 1 1 1 2
C709,710			

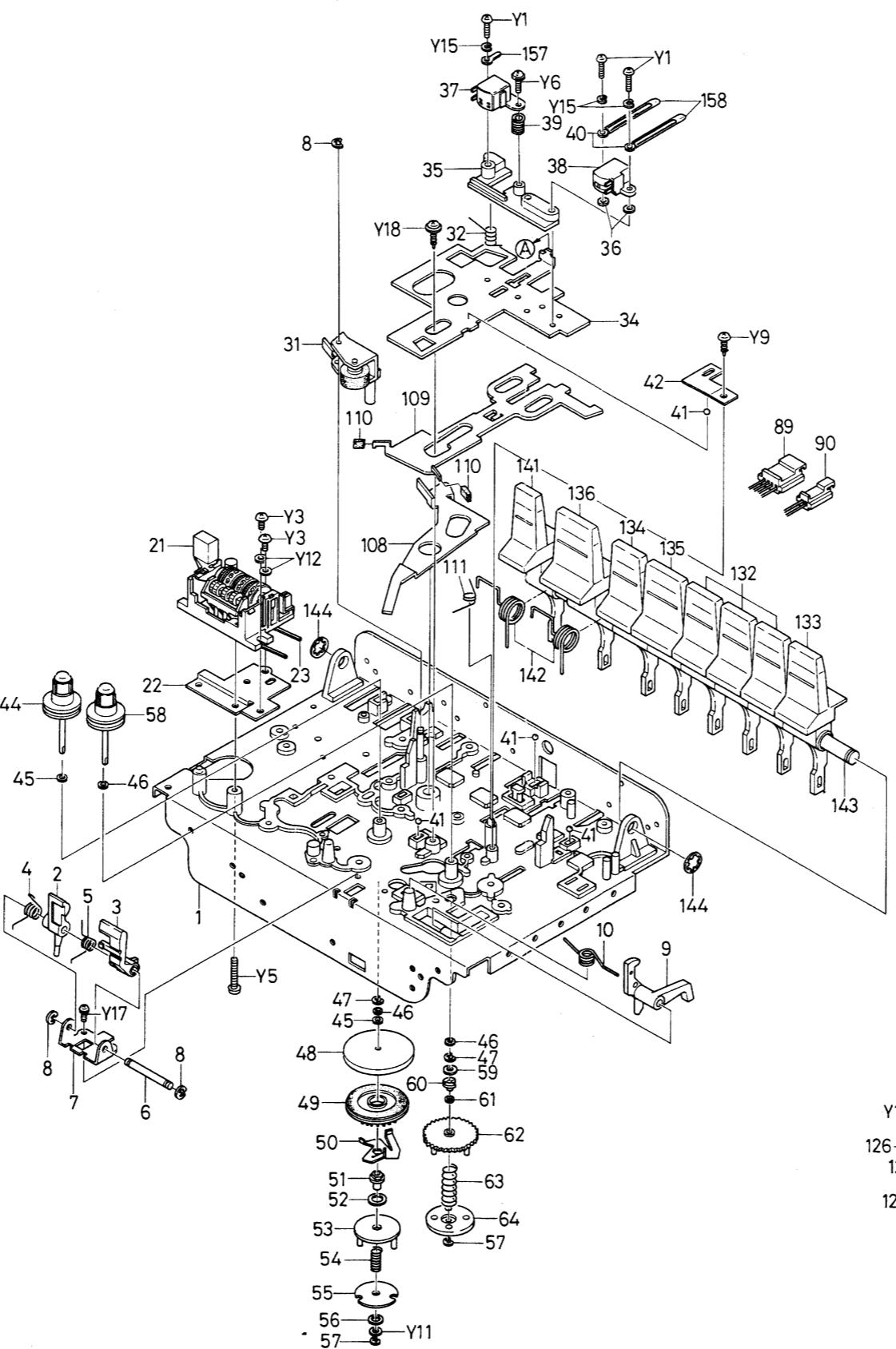
PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Ref. No.	Part No.	Description	Q'ty
LED PCB ASS'Y							
130 D501,712, 727	141-4-233T-15700 4-235T-34600	P.C Board Ass'y, LED LED PR5531K RE Socket	1 3 2	52	141-2-453T-30500	Washer, 4.1 x 6.5 x 0.13mm, Nylon	1
VOLTAGE STABILIZE PCB ASS'Y							
D711 Q709 C746	141-4-233T-19400	P.C Board Ass'y, Voltage Stabilize Diode WZ120 Transistor 2SD325 E Ceramic Cap. 0.022μF +80~20% 50V Electrolytic Cap. 100μF 16V Carbon Res. 1 ohm ±10% ½W Carbon Res. 100 ohm ±10% ½W	1 1 1 1 1 1 1 1	53	141-2-671T-05500	Cum	1
C726 R741				54	141-2-855T-23500	Spring Coil	1
R740				55	141-2-457T-13000	Special Washer	1
MECHANISM							
1	141-0-311T-31120	Chassis Ass'y	1	56	141-2-453T-30500	Washer, 4.1 x 6.5 x 0.13mm, Nylon	1
2	141-2-742T-25800	Lever	1	57	141-2-457T-23700	Special Washer	2
3	141-2-742T-18300	Lever	1	58	141-0-531T-12201	Reel Plate Ass'y, Supply	1
4	141-2-852T-47300	Spring Wire	1	59	141-2-457T-06200	Special Washer	1
5	141-2-852T-48400	Spring Wire	1	60	141-2-661T-74000	Pully, REW	1
6	141-2-753T-41400	Shaft	1	61	141-2-457T-10200	Special Washer	2
7	141-2-747T-16400	Bracket, Lever	1	62	141-2-581T-10700	Gear, REW	1
8	141-2-457T-23000	Special Washer	5	63	141-2-855T-65500	Spring Coil	1
9	141-2-742T-14500	Lever	1	64	141-2-661T-26500	Pully	1
10	141-2-852T-47200	Spring Wire	1	65	141-0-551T-01720	Idler Ass'y	1
11	141-2-322T-27100	Shield Plae	1	66	141-2-661T-26600	Pully	1
12	141-0-853T-48603	Spring Plate Ass'y	1	67	141-2-453T-31600	Washer, 1.6 x 4 x 0.25mm	1
13	141-0-853T-48502	Spring Plate Ass'y	1	68	141-2-852T-47800	Spring Wire	1
14	141-2-184T-03000	Tape	1	69	141-0-351T-48300	Bracket Mountig Ass'y	1
15	4-527T-13000	Motor	1	70	141-2-853T-54401	Spring Plate	1
	141-2-661T-72700	Pully, Motor	1	71	141-2-457T-13100	Special Washer	1
16	141-2-661T-72701	Pully, Motor } or	1	72	141-0-581T-10400	Gear Ass'y, FF/REW	1
	141-2-661T-72702	Pully, Motor	1	73	141-0-581T-10500	Gear Ass'y, FF	1
17	141-2-445T-11801	Rubber Cushion, Motor	3	74	141-2-457T-11000	Special Washer, 0.25t	2
18	141-2-421T-16000	Special Screw, Motor	3	75	141-2-457T-14000	Special Washer, 0.2t	1
19	141-2-447T-36001	Cushion, Motor	3	76	141-2-855T-23400	Spring Coil	1
20	141-2-378T-09900	Bracket, Motor	1	77	141-2-457T-13600	Special Washer	1
21	141-2-811T-06900	Counter	1	78	141-2-564T-20600	Square Belt, Pulley	1
22	141-2-812T-08000	Bracket, Counter	1	79	141-2-671T-05600	Cum	1
23	141-2-564T-19100	Square Belt, Counter	1	80	141-2-661T-26400	Pully	1
24	141-0-521T-09700	Flywheel Ass'y	1	81	141-2-453T-31600	Washer, 1.6 x 4 x 0.25mm	1
25	141-2-581T-15400	Gear	1	82	141-2-855T-30300	Spring Coil	1
26	141-2-457T-04300	Special Washer	1	83	141-2-564T-18400	Square Belt, Auto Stop	1
	141-2-453T-30200	Washer, 2.6 x 4.7 x 0.13mm, Nylon	1	84	141-0-742T-14101	Lever Ass'y	1
27	141-2-453T-30201	Washer, 2.6 x 4.7 x 0.13mm, Nylon	1	85	141-2-855T-23101	Spring Coil	1
	141-2-453T-30202	Washer, 2.6 x 4.7 x 0.13mm, Nylon	1	86	141-2-457T-14300	Special Washer	1
28	141-0-524T-07903	Bracket, Flywheel Ass'y	1	87	141-2-742T-13900	Lever	1
29	141-2-351T-48800	Bracket	1	88	141-2-855T-26300	Spring Coil	1
30	141-2-561T-04501	Flat Belt, Main	1	89	4-235T-62100	Socket, R/P Head	1
31	141-0-545T-05800	Lever, Pinch Roller Ass'y	1	90	4-235T-62200	Socket, E Head	1
32	141-2-852T-55700	Spring Wire	1	91	141-0-731T-71800	Slide Ass'y	1
33	141-2-472T-01201	Lug	2	92	141-0-747T-17200	Bracket Lever Ass'y	1
34	141-2-731T-69300	Slide, Head	1	93	141-2-742T-13800	Lever	1
35	141-2-464T-27800	Fixer	1	94	141-2-852T-47700	Spring Wire	1
36	141-2-457T-10301	Special Washer	2	95	141-2-453T-00800	Washer, 3 x 8 x 0.5mm	1
37	4-242T-22500	Head, R/P	1	96	141-2-731T-59100	Slide, Stop Button	1
38	4-242T-18602	Head, E	1	97	141-0-731T-69000	Slide Ass'y, Play Button	1
39	141-2-851T-82700	Spring Coil	1	98	141-2-855T-29500	Spring Coil	2
40	141-2-472T-05900	Lug	2	99	141-2-731T-68900	Slide, FF	1
41	141-2-345T-00400	Steel Ball	4	100	141-2-853T-61600	Spring Plate	1
42	141-2-853T-54900	Spring Plate	1	101	141-2-731T-69100	Slide, REW Button	1
43	141-2-855T-38000	Spring Coil	1	102	141-2-853T-61700	Spring Plate	1
44	141-0-531T-12200	Reel Plate Ass'y, Tackup	1	103	141-2-731T-69200	Slide, REC Button	1
45	141-2-453T-30100	Washer, 2.1 x 4 x 0.13mm, Nylon	1	104	141-2-855T-23000	Spring Coil	1
46	141-2-453T-30101	Washer, 2.1 x 4 x 0.25mm, Nylon	7	105	141-2-855T-37200	Spring Coil	1
47	141-2-457T-23800	Special Washer	4	106	141-2-731T-64300	Slide, Eject	1
48	141-2-547T-02100	Roller	1	107	141-2-855T-30200	Spring Coil	1
49	141-0-581T-15000	Gear Ass'y	1	108	141-2-742T-29700	Slide	1
50	141-2-853T-54500	Spring Plate	1	109	141-2-731T-65600	Brake Shoe	2
51	141-2-457T-13300	Special Washer	1	110	141-2-712T-02700	Spring Wire	1

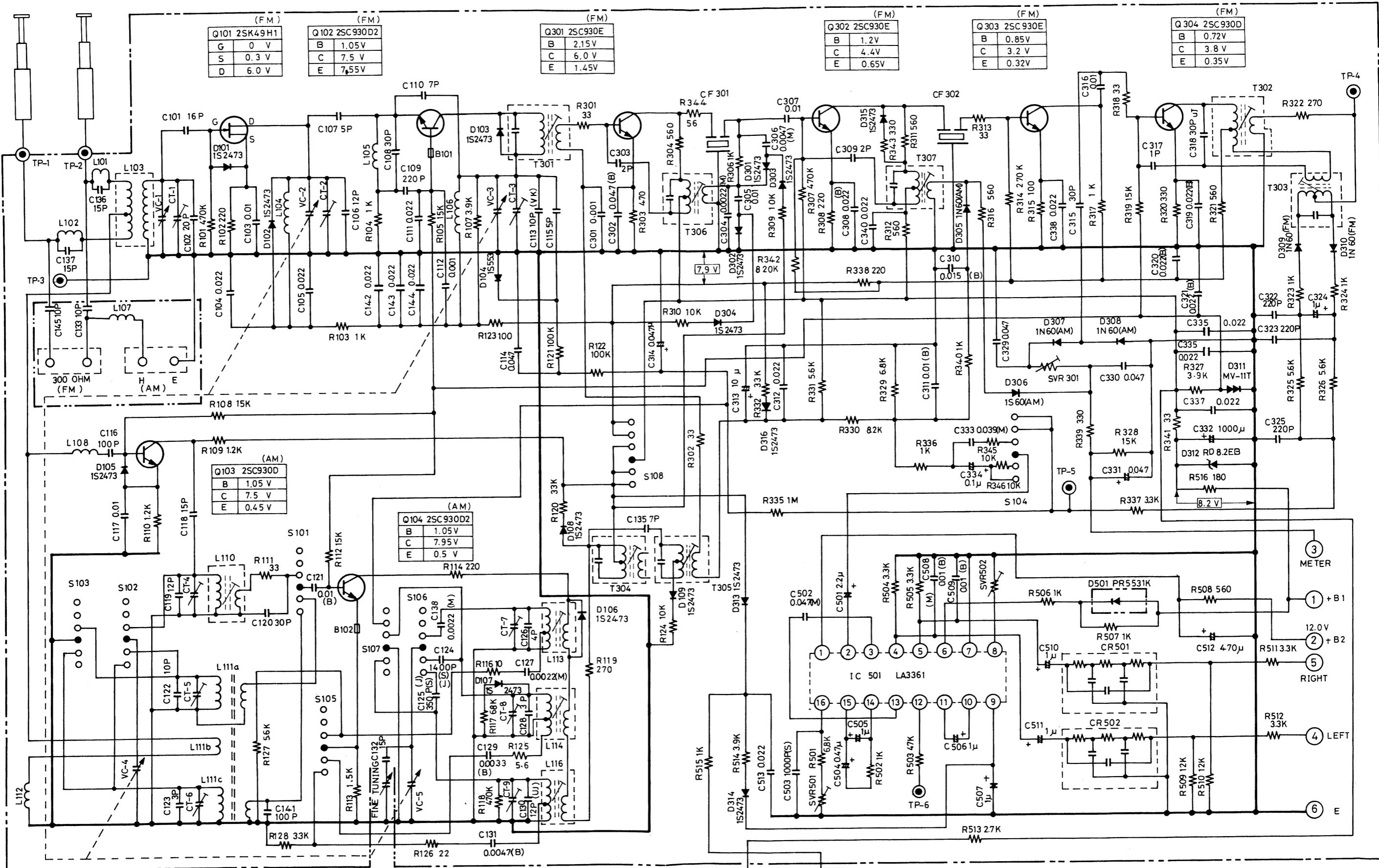
PARTS LIST

MECHANISM EXPLODED VIEW

Ref. No.	Part No.	Description	Q'ty
MECHANISM			
132	141-2-611T-12700	Lever, Push Button Play/REW/FF	3
133	141-2-611T-12701	Lever, Push Button REC	1
134	141-2-611T-12800	Lever, Push Button PAUSE	1
135	141-2-611T-12900	Lever, Push Button Stop	1
136	141-0-611T-13000	Lever, Push Button PSF	1
137	141-0-747T-17800	Bracket, Lever	1
138	141-2-742T-29800	Lever	1
139	141-2-852T-55300	Spring Wire	1
140	141-2-453T-00800	Washer, 3 x 8 x 0.5mm	1
141	141-2-611T-13100	Lever, Push Button Edit	1
142	141-2-852T-54200	Spring Wire	2
143	141-2-753T-57600	Shaft	1
144	141-2-457T-20300	Special Washer	2
145	141-2-737T-06700	Bracket, Slide	1
146	141-0-581T-11900	Gear Ass'y	1
147	141-0-731T-61000	Slide Ass'y	1
148	141-2-855T-25300	Spring Coil	1
149	141-2-742T-19600	Lever	1
150	141-2-852T-48900	Spring Wire	1
151	141-2-453T-30001	Washer, 1.7 x 3.2 x 0.25mm, Nylon	1
152	141-2-853T-56800	Spring Plate	1
157	123-2-472R-00200	Lug	1
158	141-2-490T-00600	Tube	1
159	141-2-490T-08301	Tube	5
160	141-2-490T-08000	Tube	3
161	141-2-488T-19000	Pin	1
162	4-231T-71200	Switch	1
163	141-2-365T-43800	Bracket, Switch	1
164	141-2-855T-39100	Spring Coil	1
MECHANISM HARDWARE			
Y1		Pan Hd. Screw, 2 x 10mm	3
Y2		Pan Hd. Screw, 2.6 x 4mm	1
Y3		Pan Hd. Screw, 2.6 x 6mm	2
Y4		Pan Hd. Screw, 3 x 4mm	2
Y5		Pan Hd. Screw, 3 x 16mm	1
Y6		Pan Hd. Screw, W/Washer, 2 x 10mm	1
Y7		Pan Hd. Tapping Screw, 2.3 x 6mm	4
Y9		Binding Hd. Tapping Screw, 3 x 6mm	3
Y10		Headles Screw, 2 x 4mm	1
Y11		Washer, 2 x 6 x 0.4mm	1
Y12		Washer, 2.6 x 5 x 0.5mm	2
Y13		Washer, 3 x 8 x 0.5mm	3
Y15		Spring Washer, 2 x 4.4 x 0.5mm	3
Y16		Pan Hd. Forming Screw, 3 x 18mm	1
Y17		Pan Hd. Screw W/Spring Washer, 2.6 x 4mm	2
Y18		Pan Hd. Screw W/Washer, 3 x 6mm	4
Y19		Pan Hd. Tapping W/Washer, 3 x 8mm	11



SCHEMATIC DIAGRAM -



○ AFC

OFM

6

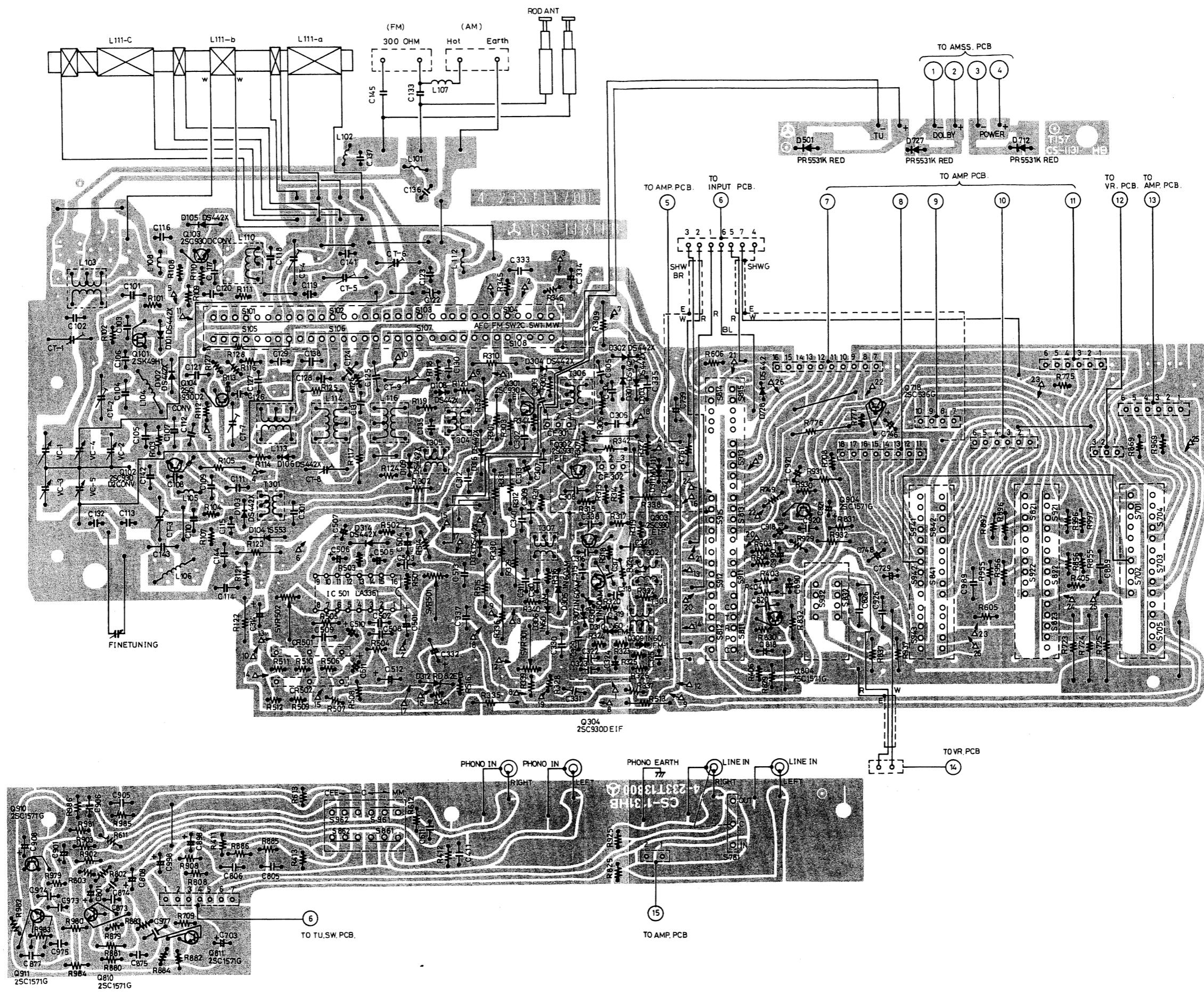
○ SW

O MW

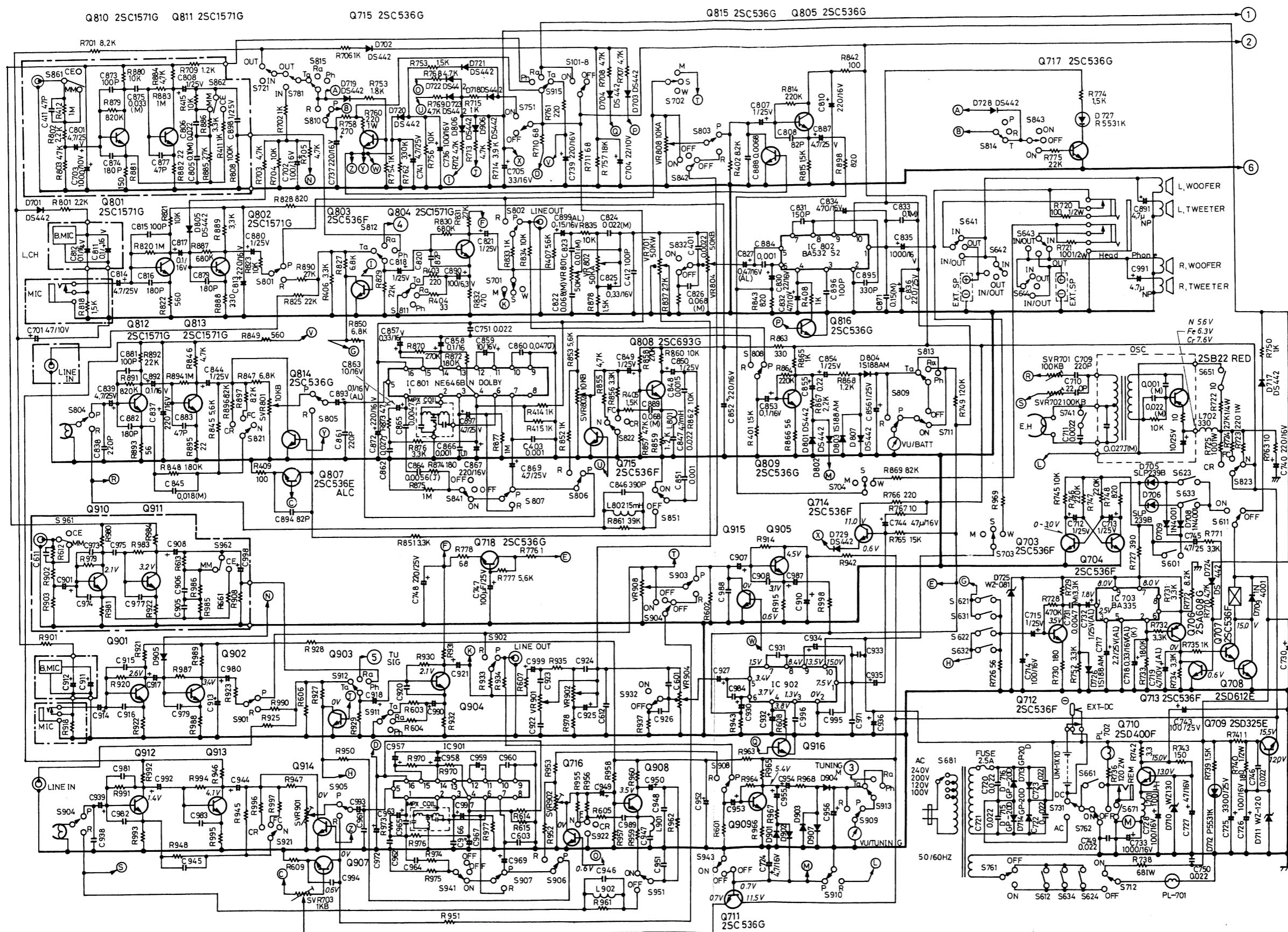
-22- BAND SELECT SWITCH

MOD

WIRING DIAGRAM



SCHEMATIC DIAGRAM

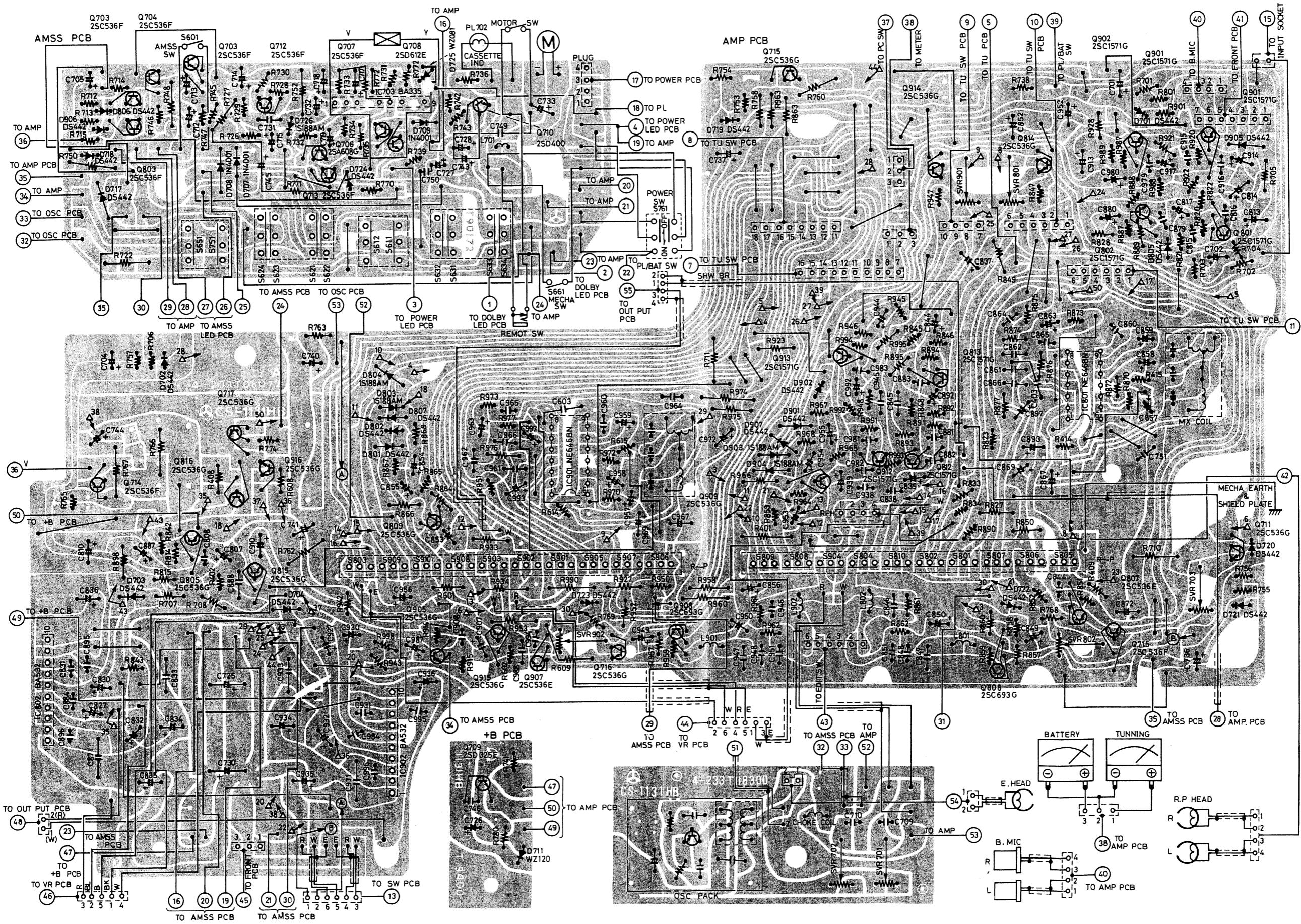


S601 AMSS SWITCH
 S611 ~ S612 PLAY SWITCH
 S621 ~ S624 FAST FORWARD SWITCH
 S631 ~ S634 REWIND SWITCH
 S641 ~ S644 SPEAKER SWITCH
 S651 STOP MUTING SWITCH
 S661 MECHANISM SWITCH
 S671 MOTOR SWITCH
 S681 VOLTAGE SELECT SWITCH

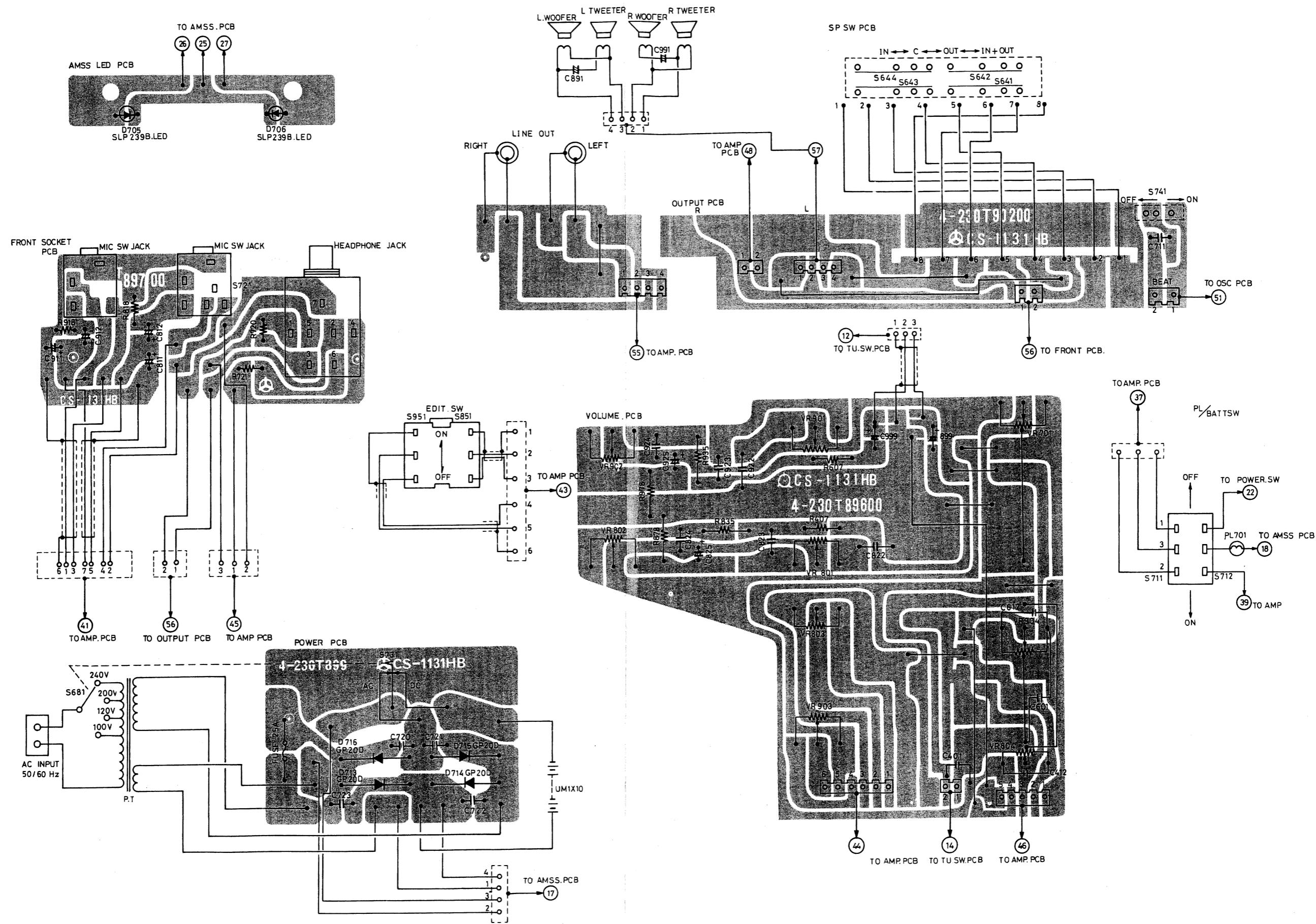
 S701 ~ S704 MONO/STEREO/WIDE SWITCH
 S711 ~ S712 P.LAMP/BATTERY SWITCH
 S721 MIC SWITCH
 S731 AC/DC SWITCH
 S741 BEAT CANCEL SWITCH
 S751 MUTING SWITCH
 S761 ~ S762 POWER SWITCH
 S781 RCA SWITCH

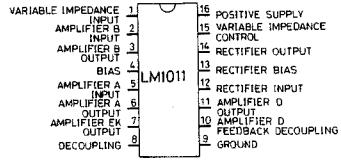
 S801 ~ S810 RECORD / PLAY SWITCH
 S901 ~ S910 TAPE / RADIO / PHONO SWITCH
 S811 ~ S815 TAPE / RADIO / PHONO SWITCH
 S911 ~ S915 TAPE / RADIO / PHONO SWITCH
 S821 ~ S823 TAPE SELECT SWITCH
 S921 ~ S922 TAPE SELECT SWITCH
 S831 ~ S832 LOUDNESS SWITCH
 S931 ~ S932 PHONO / LINE SWITCH
 S841 , S941 DOLBY SWITCH
 S842 ~ S843 ALC SWITCH
 S942 ~ S943 ALC SWITCH
 S851 , S951 EDIT SWITCH
 S861 ~ S862 CARTRIDGE SELECT SWITCH
 S961 ~ S962 CARTRIDGE SELECT SWITCH

WIRING DIAGRAM



WIRING DIAGRAM





LM1011 DOLBY IC

