

TCM-900DV

SERVICE MANUAL

Ver. 1.1 2007.01

*US Model
Canadian Model
AEP Model
Tourist Model*



Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MT-900-175

SPECIFICATIONS

Recording system
2-track 1 channel monaural

Tape speed
4.8 cm/s or 2.4 cm/s

Frequency range
150 - 6 300 Hz using nomal (TYPEI) cassette
(with REC TIME switch at "NORMAL")

Speaker
Approx. 3.6 cm (1 7/16 in.) dia.

Power output
250 mW (at 10 % harmonic distortion)

Input
Microphone input jack (minijack)
sensitivity 0.12 mV for 3 kilohms or lower impedance
microphone

Output
Earphone jack (minijack) for 8 -300 ohms earphone

Variable range of the tape speed
From approx. +100% to -50% (with
REC TIME switch at "NORMAL")
From approx. +100% to -30% (with
REC TIME switch at "DOUBLE")

Variable range of pitch control variation
Approx. +1 octave to -1 octave

Power requirements
3 V DC batteries R6 (AA) x 2
External DC 3 V power sources

Dimensions (w/h/d) (incl. projecting
parts and controls)
Approx. 86.7 x 112.8 x 35.7 mm
(3 1/2 X 4 1/2 X 1 7/16 in.)

Mass
Approx. 200g (7.1 oz.)

Supplied accessories
Headphones with remote control (1)
R6 (size AA) batteries (2)
("Sony World Model" only)
Carrying pouch (1)

Design and specifications are subject
to change without notice.

CASSETTE-CORDER

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

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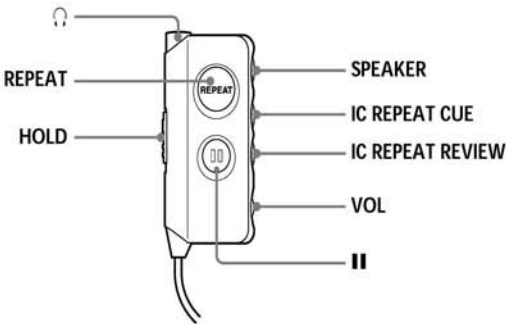
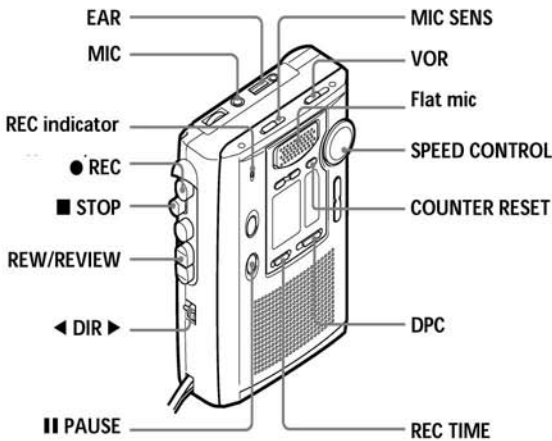
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SECTION 1
GENERAL

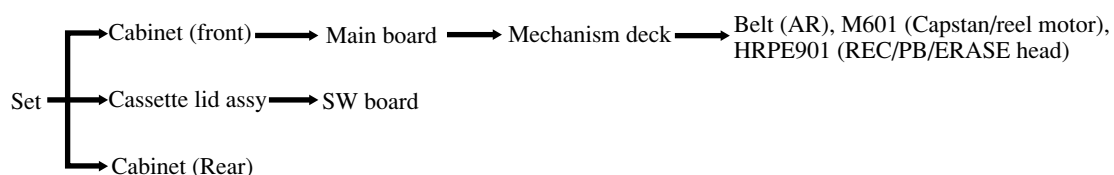
Location of parts and controls

This section is extracted from instruction manual.



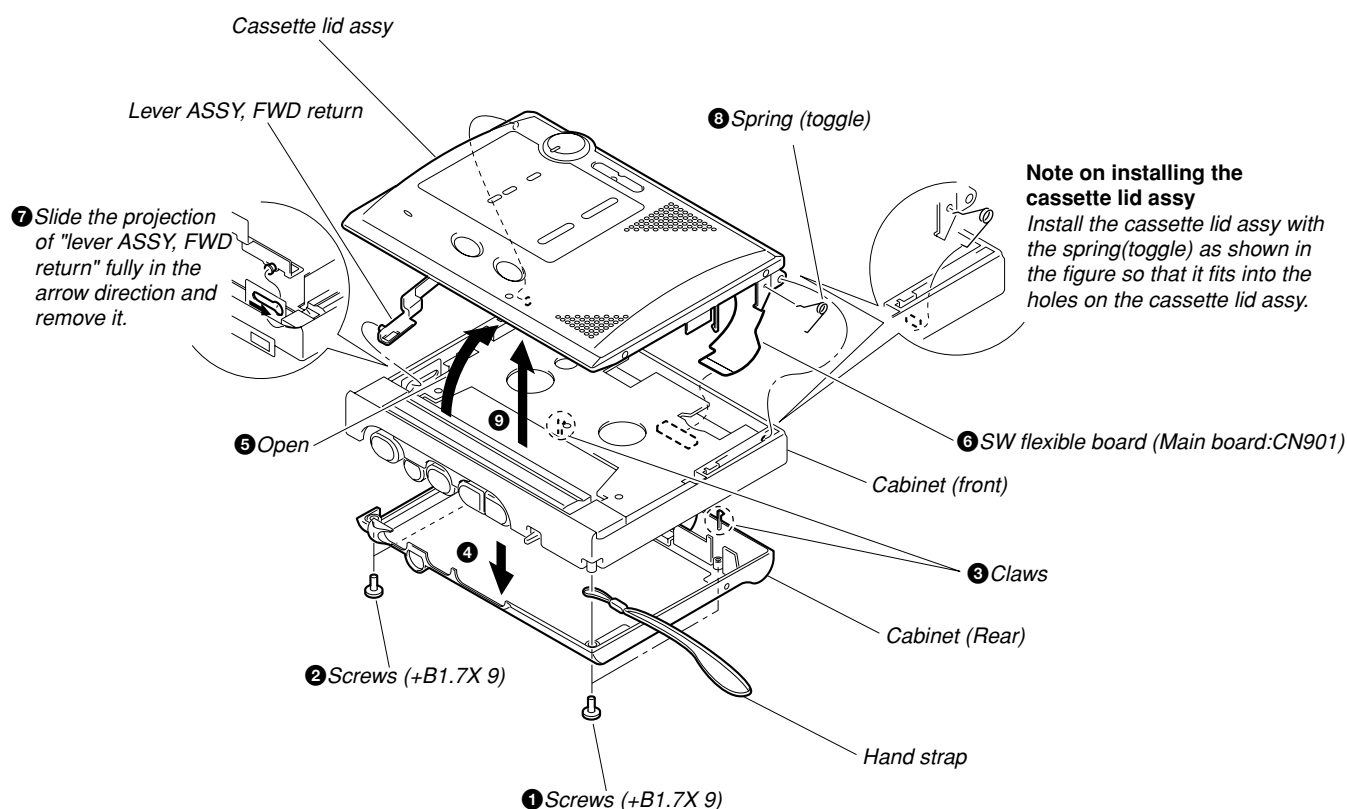
SECTION 2 DISASSEMBLY

- The equipment can be removed using the following procedure.

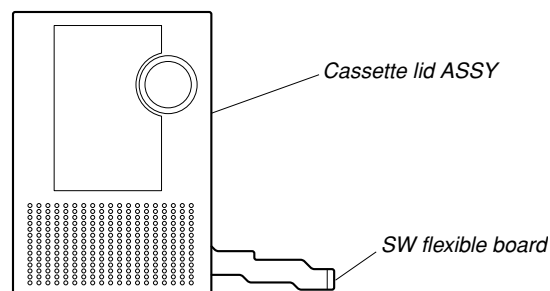


Note : Follow the disassembly procedure in the numerical order given.

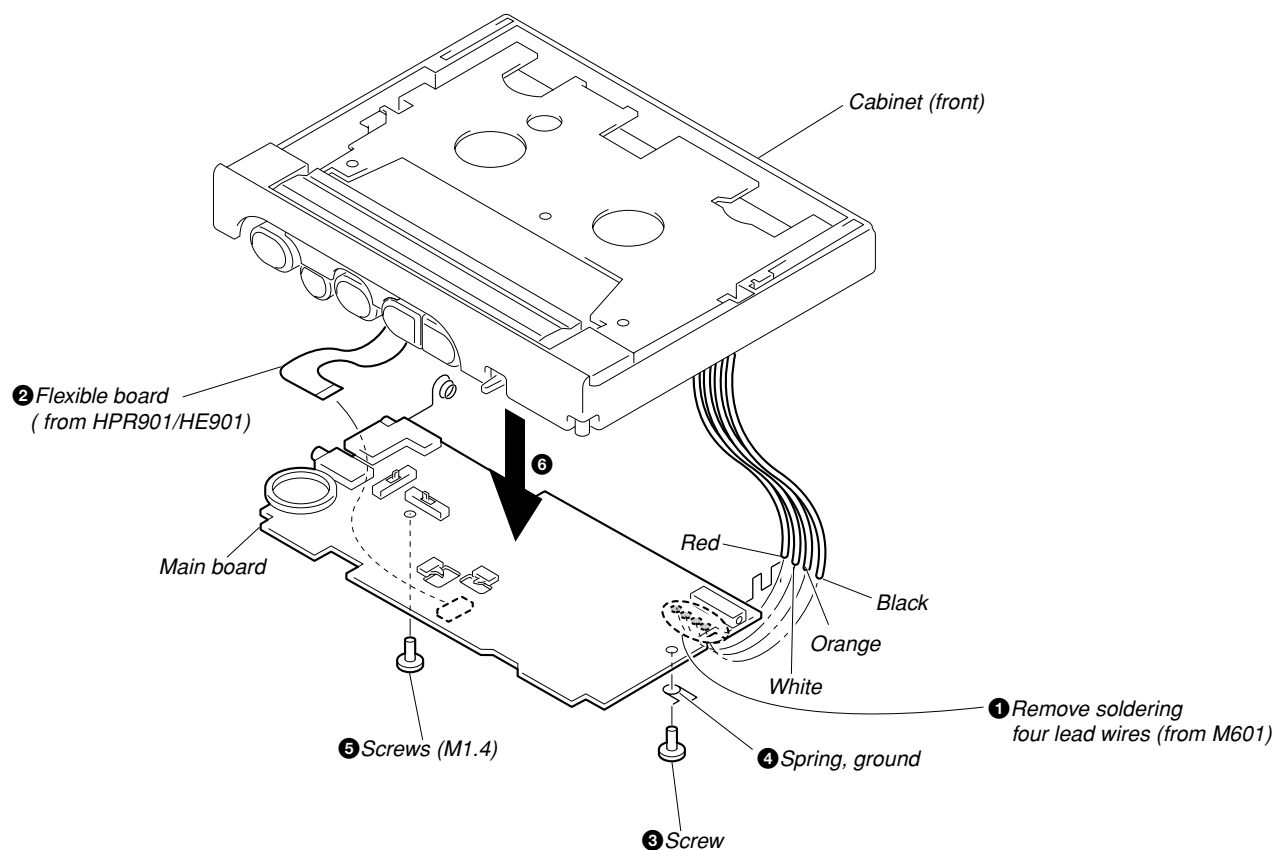
2-1. CABINET (REAR), CASSETTE LID ASSY



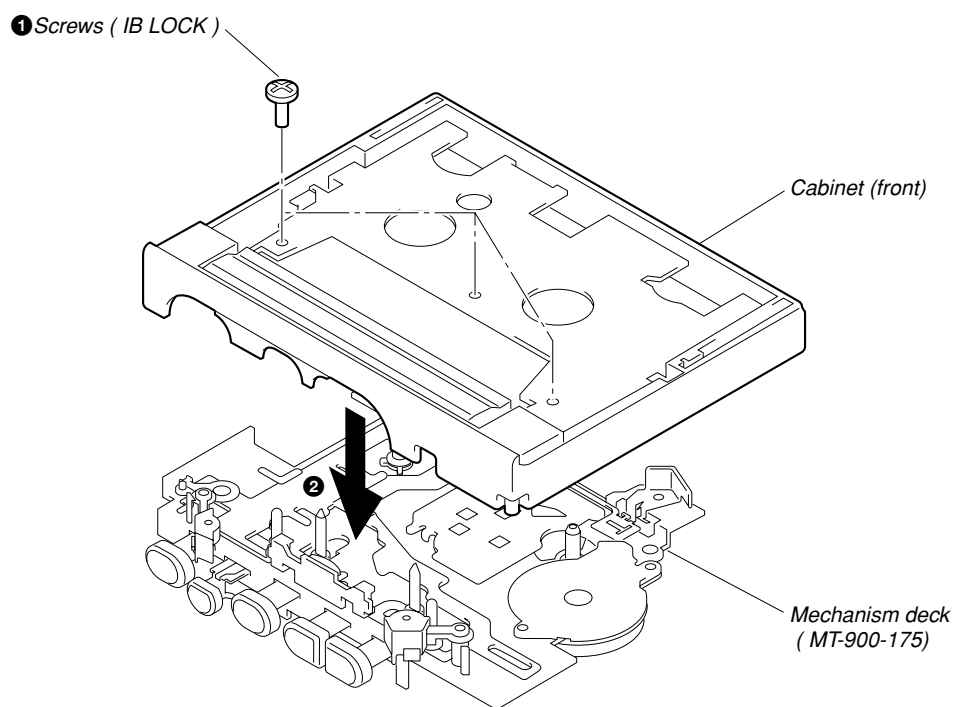
Note on installing the SW flexible board
Insert the SW flexible board as shown in the figure.



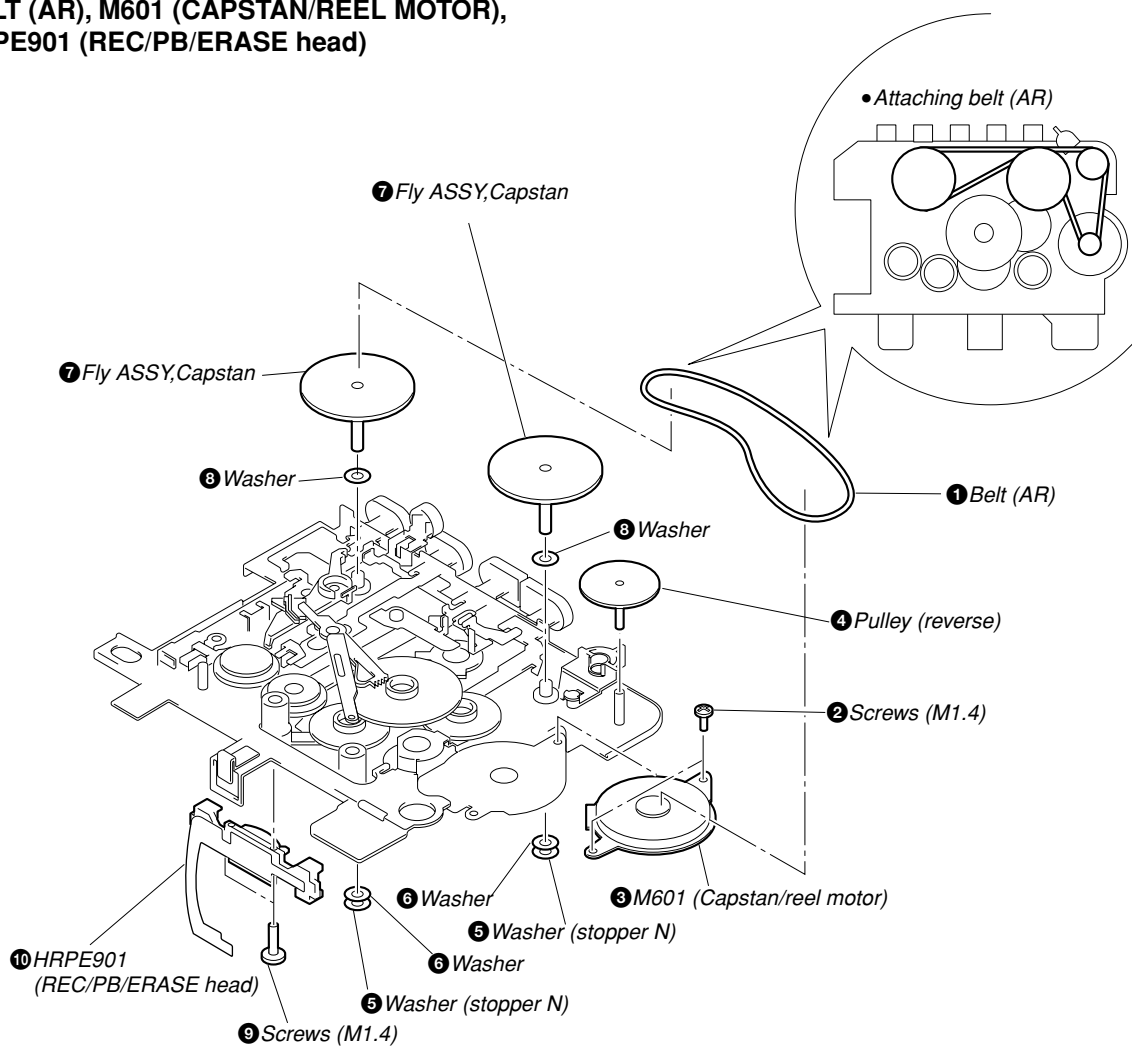
2-2. MAIN BOARD



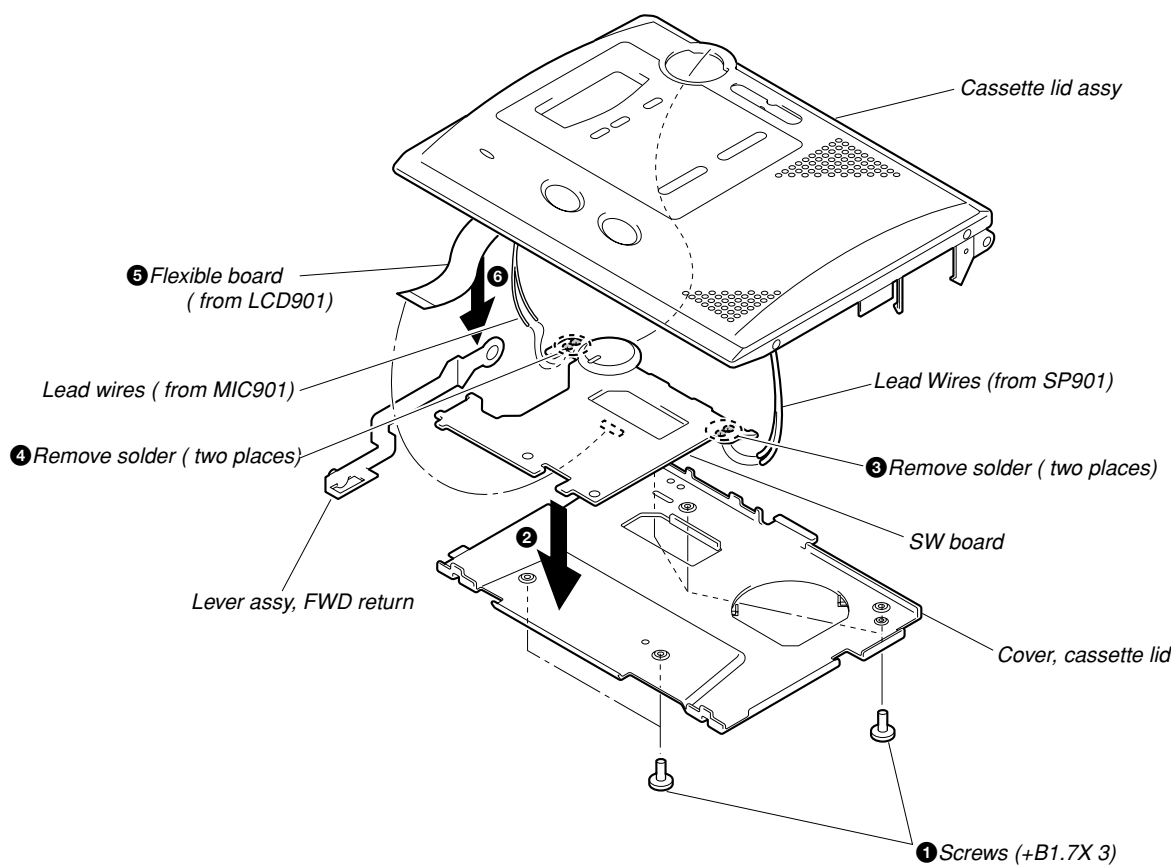
2-3. MECHANISM DECK



2-4. BELT (AR), M601 (CAPSTAN/REEL MOTOR), HRPE901 (REC/PB/ERASE head)



2-5. SW BOARD



SECTION 3

ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

- Clean the following parts with a denatured alcohol-moistened swab :
 record/playback/erase head pinch roller
 rubber belts
 capstan
- Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.
- Power supply voltage : 3V DC.

Torque Measurement

Mode	Torque Meter	Meter Reading
Forward/Reverse	CQ-102C	1.97 to 3.92 mN • m (20 to 40 g • cm) (0.28 to 0.55 oz • inch)
Forward	CQ-102C	0.05 to 0.49 mN • m (0.5 to 5.0 g • cm) (0.007 to 0.07 oz • inch)
Fast Forward and Rewind	CQ-201B	more than 4.90 mN • m (50 g • cm) (0.7 oz • inch)

Tape Tension Measurement

Mode	Tension Meter	Meter Reading
Forward	CQ-403A	more than 50g (1.77oz)

3-2. ELECTRICAL ADJUSTMENTS

• Standard Level

Input signal level	MIC	- 60dBs
Output signal level	EAR (EARPHONE)	1.6k Ω , -22,4dBs

• Test Tape

Type	Signal	Used for
WS-48A	3kHz, 0dB	tape speed adjustment

0dB=0.775V

Setting :

VOL Control (RV301) : mechanical mid
 REC TIME (S903) : normal(4.8cm/s)
 SPEED CONTROL (RV901): normal (center click)

DPC(MANUAL) Adjustment

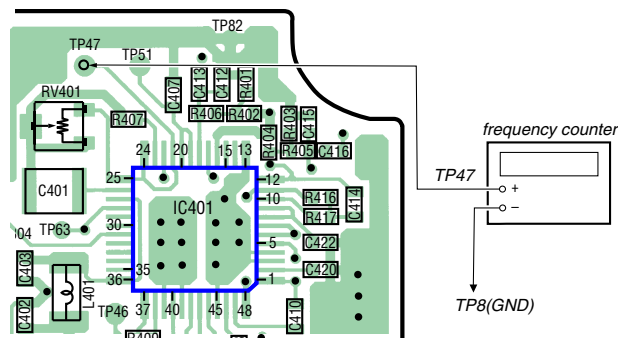
Note: Adjust before the tape speed adjustment

Setting :

DPC(S904) switch : MANUAL
 Tape speed : 4.8cm/s
 Mode : PLAY

Procedure :

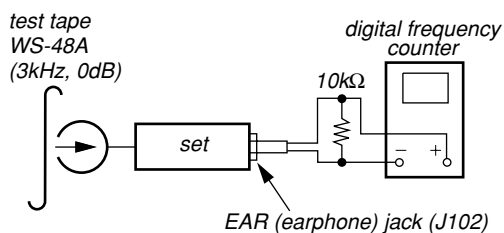
[MAIN BOARD](SIDE B)



Tape Speed Adjustment

Procedure :

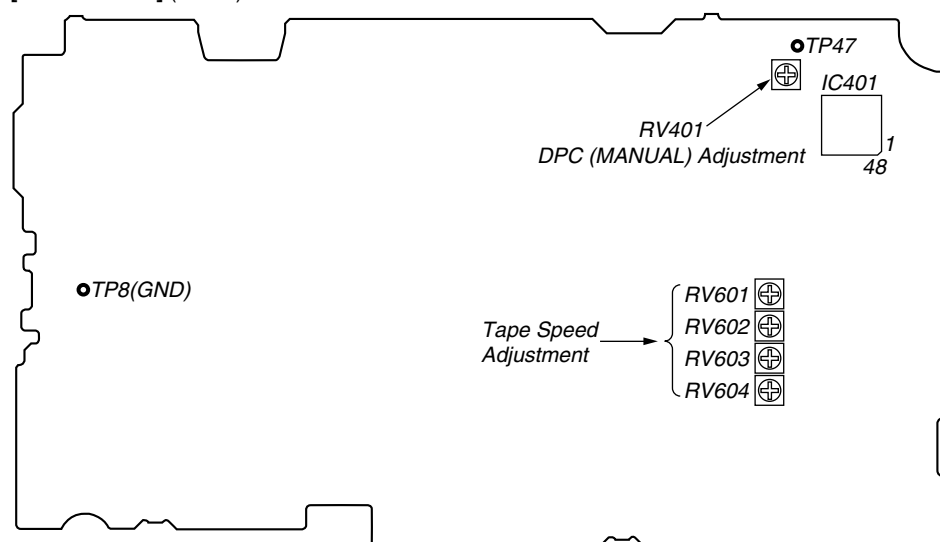
Note: Adjust on both sides DIR switch (S701) “◀” and “▶”.



1. Set DPC switch (S904) to OFF, PITCH CONTROL switches (S910, 911) to the center and play the test tape WS-48A.
2. Set REC TIME switch (S903) to NORMAL (4.8cm/s) and turn SPEED CONTROL knob (RV901) fully to FAST.
3. Adjust RV601 so that the reading on the frequency counter becomes 6000Hz.
4. Turn SPEED CONTROL knob (RV901) to the center and adjust RV602 so that the reading on the frequency counter becomes 3010Hz.
5. Set REC TIME switch (S903) to DOUBLE (2.4cm/s) and turn SPEED CONTROL knob (RV901) fully to the center.
6. Adjust RV603 so that the reading on the frequency counter becomes 1505Hz.
7. Turn SPEED CONTROL knob (RV901) fully to SLOW.
8. Adjust RV604 so that the reading on the frequency counter becomes 1050Hz.
9. Turn SPEED CONTROL knob (RV901) fully to FAST and confirm the reading on the frequency counter becomes approx. 3010Hz.
10. Set REC TIME switch (S903) to NORMAL (4.8cm/s) and turn SPEED CONTROL knob (RV901) fully to SLOW.
11. Confirm the reading on the frequency counter becomes approx. 1505Hz.

Adjustment Location : Main board (B side)

[MAIN BOARD] (B side)



SECTION 4 DIAGRAMS

Note on Schematic Diagram: MAIN SECTION

- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4} \text{ W}$ or less unless otherwise specified.
- $\triangle$: internal component.
- : panel designation.

Note:

The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

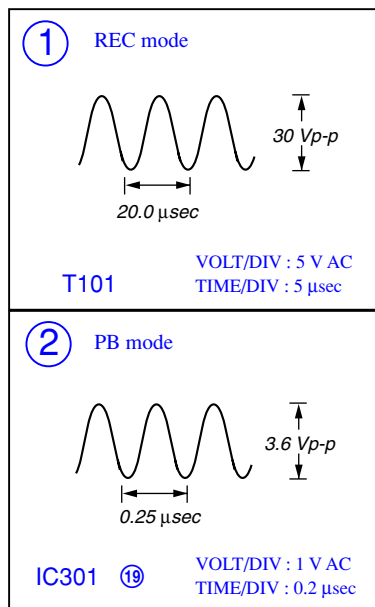
Note:

Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

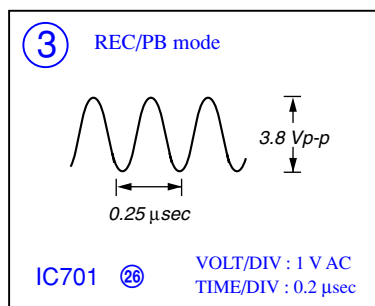
- : B+ Line.
- : adjustment for repair.
- Power voltage is dc 3V and fed with regulated dc power supply from battery terminal.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- no mark : PLAY (DPC OFF)
- () : REC
- < > : PLAY (DPC AUTO)
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Signal path.
- Σ : PB
- $\Sigma\Sigma$: REC

● Waveforms

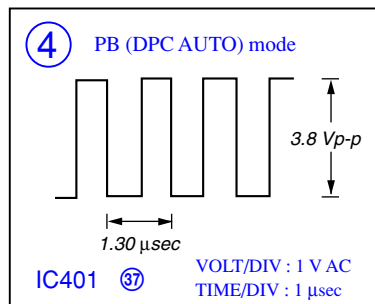
– MAIN SECTION (1/3) –



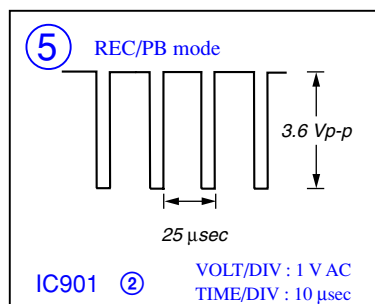
– MAIN SECTION (2/3) –



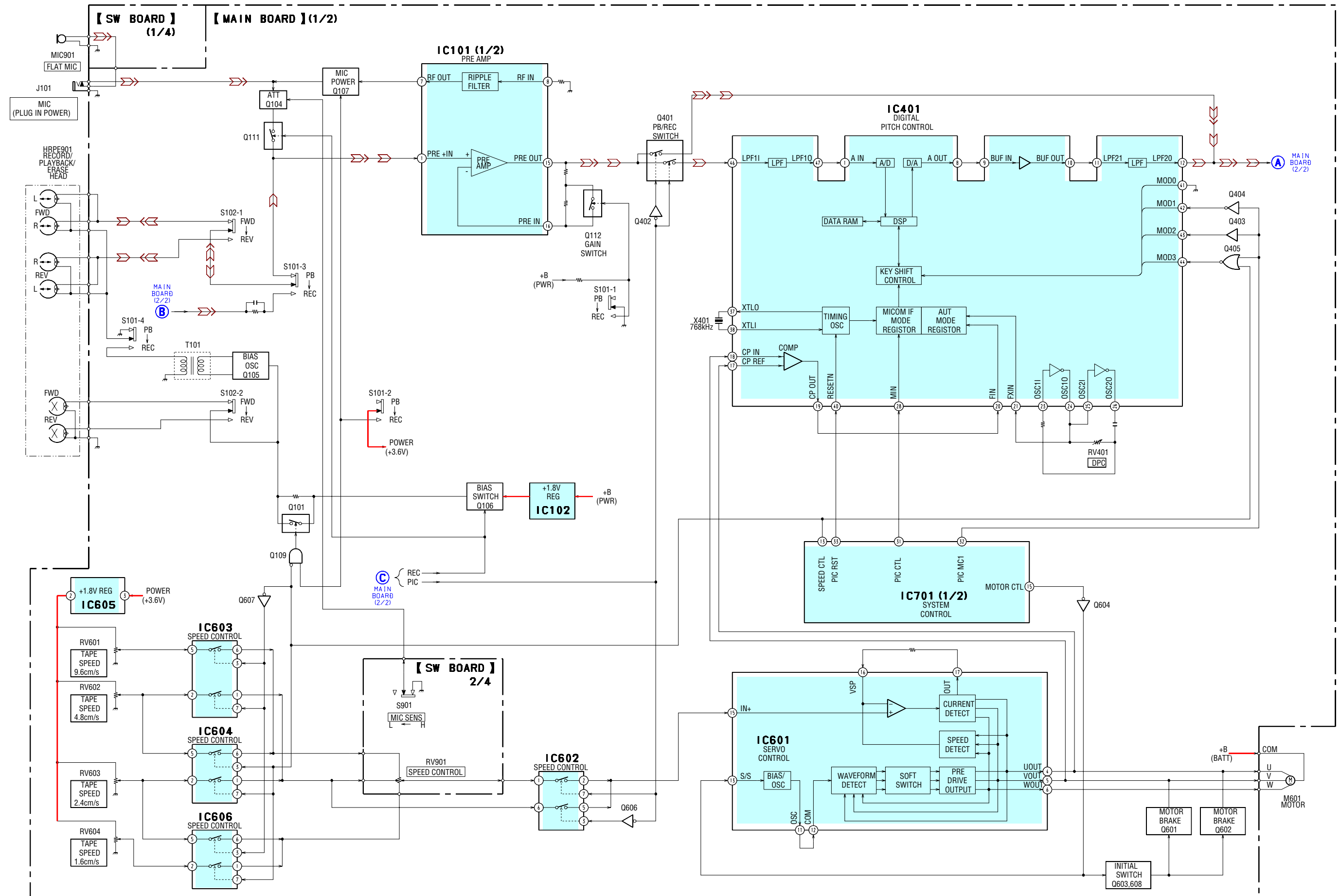
– MAIN SECTION (3/3) –



– SW SECTION –

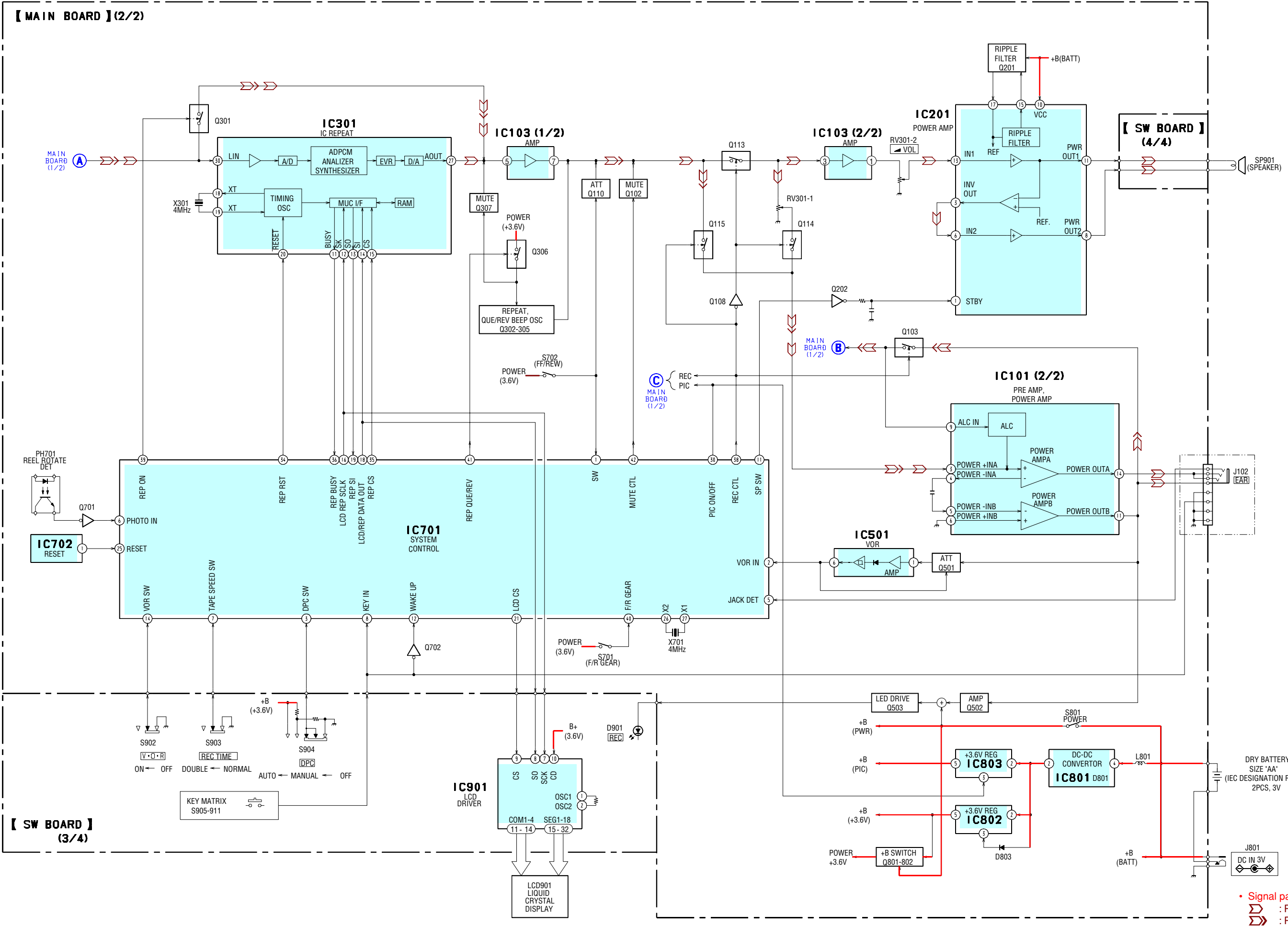


4-1. BLOCK DIAGRAMS – MAIN SECTION (1/2) –



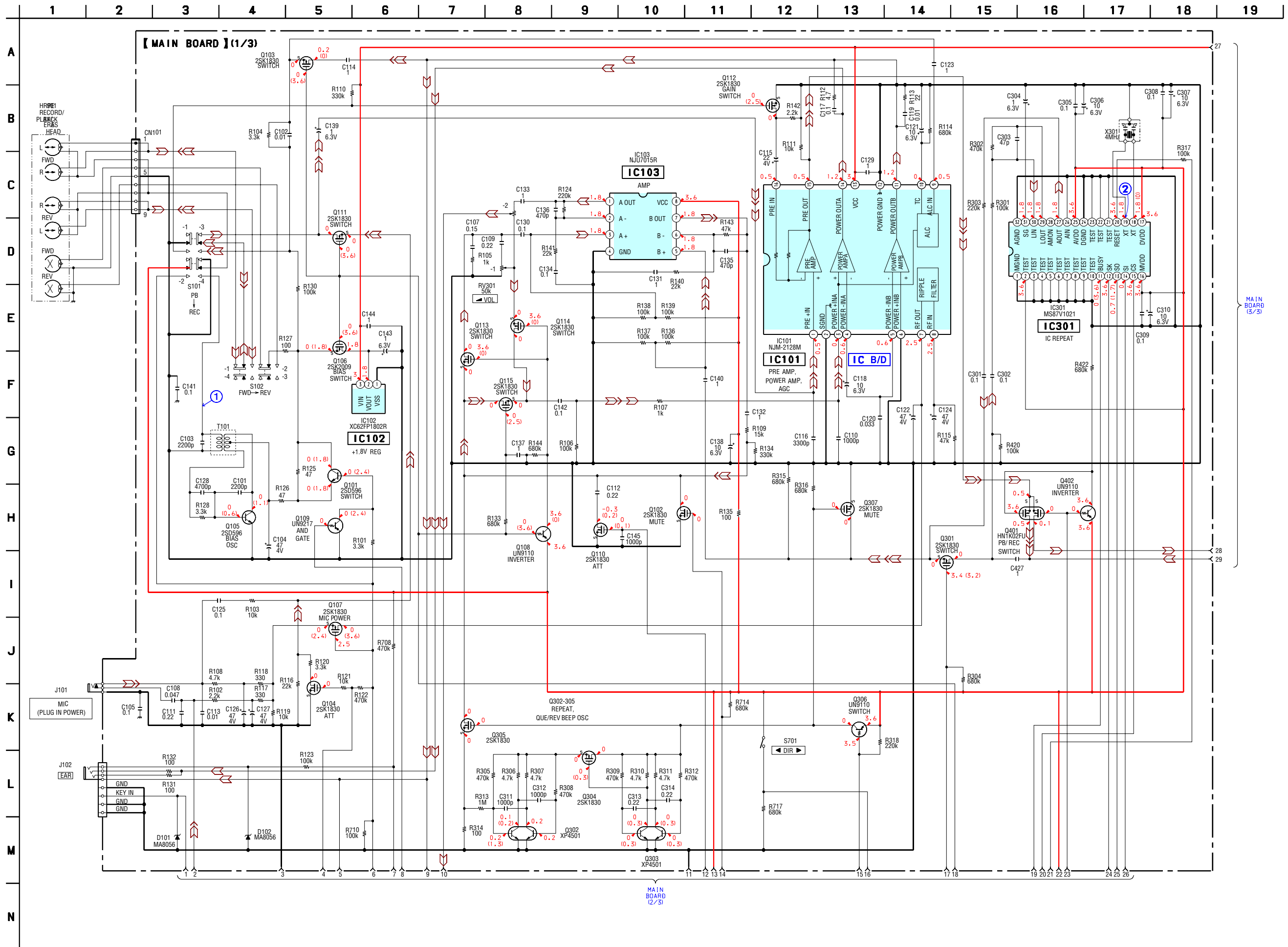
• Signal path.
 : PB
 : REC

4-2. BLOCK DIAGRAMS – MAIN SECTION (2/2) –



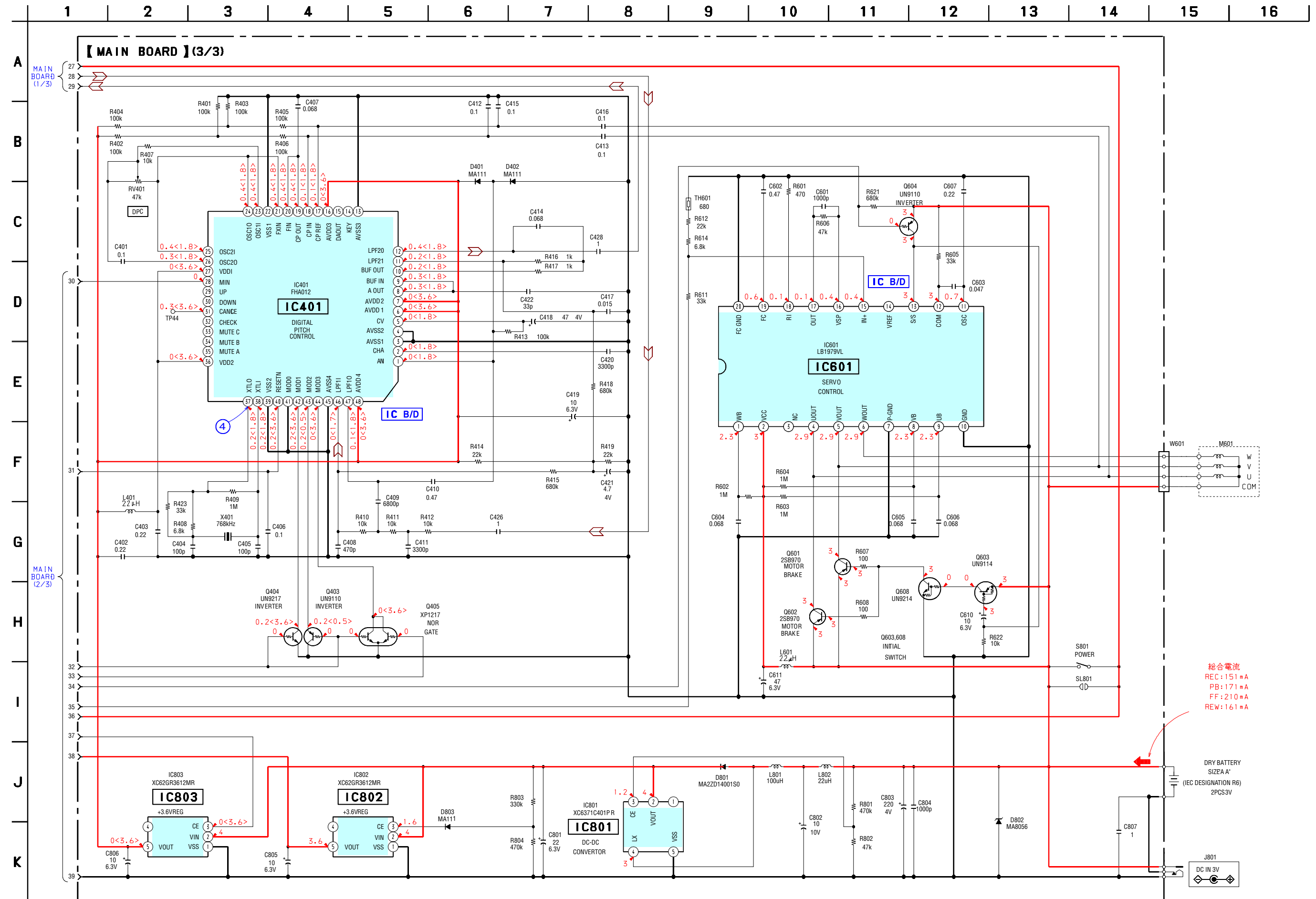
4-3. SCHEMATIC DIAGRAM – MAIN SECTION (1/3) –

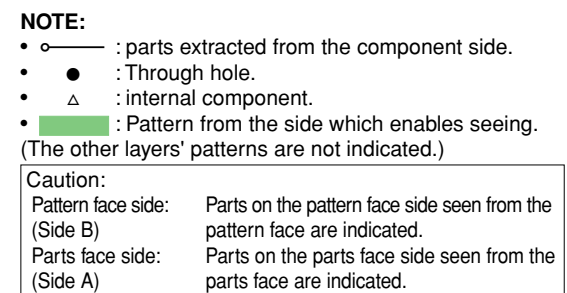
● Refer to page 8 for Notes. ● Refer to page 8 for Waveforms. ● Refer to page 20 for IC Block Diagrams.



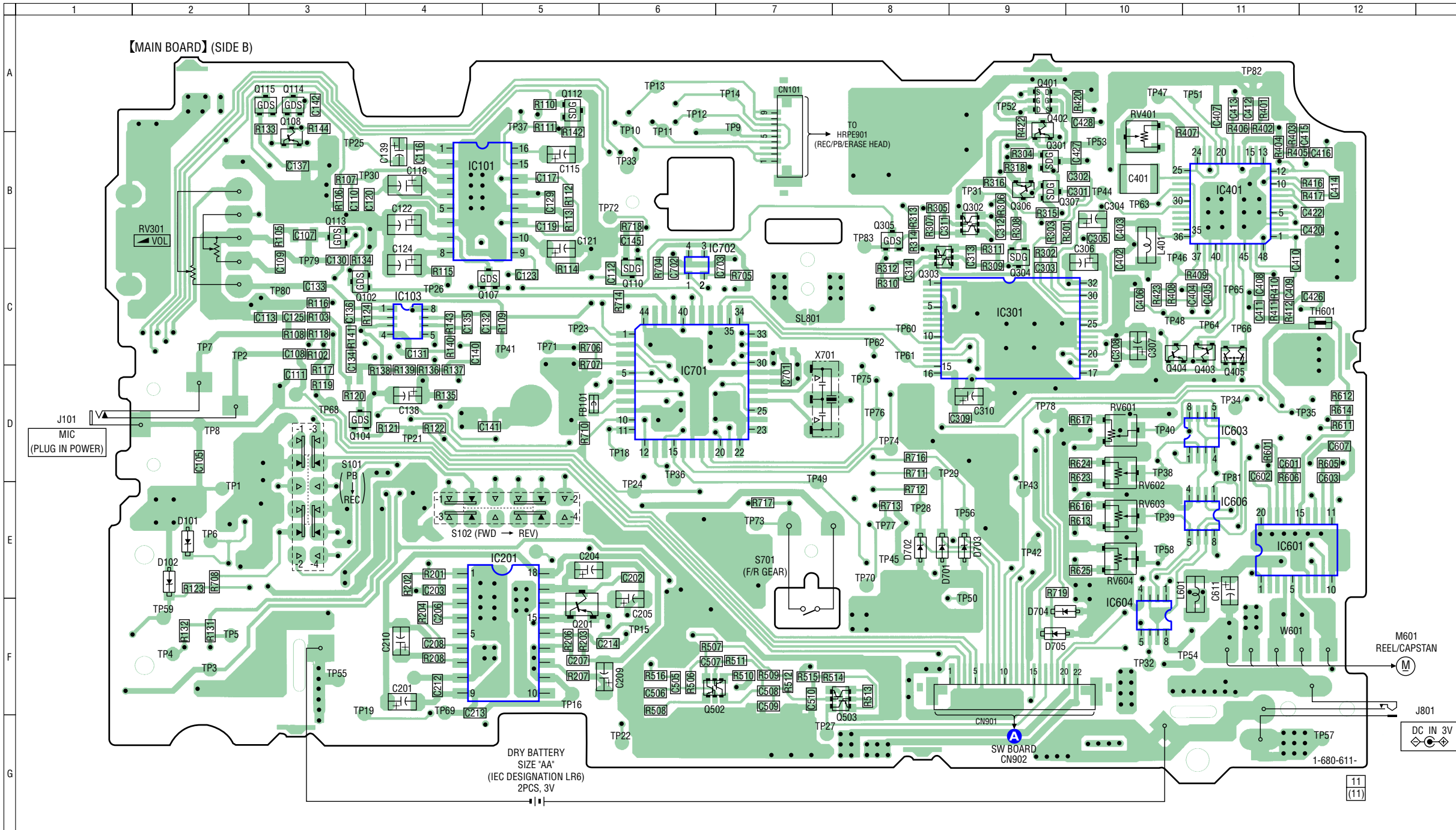


4-5. SCHEMATIC DIAGRAM – MAIN SECTION (3/3) – ● Refer to page 8 for Notes. ● Refer to page 8 for Waveforms. ● Refer to page 20 to 21 for IC Block Diagrams.





4-7. PRINTED WIRING BOARDS – MAIN SECTION (SIDE B) –



● Semiconductor Location

Ref. No.	Location
D101	E-2
D102	E-1
D701	E-8
D702	E-8
D703	E-8
D704	F-9
D705	F-9
IC101	B-4
IC103	C-3
IC201	F-4
IC301	C-9
IC401	B-10
IC601	E-11
IC603	D-10
IC604	F-10
IC606	E-10
IC701	D-6
IC702	C-6
Q102	C-3
Q104	D-3
Q107	C-4
Q108	B-2
Q110	C-5
Q112	A-5
Q113	B-3
Q114	A-2
Q115	A-2
Q201	F-5
Q301	B-9
Q302	B-9
Q303	C-8
Q304	C-9
Q305	B-8
Q306	B-9
Q307	B-9
Q401	A-9
Q402	A-9
Q403	C-10
Q404	C-10
Q405	C-11
Q502	F-6
Q503	F-7

NOTE:

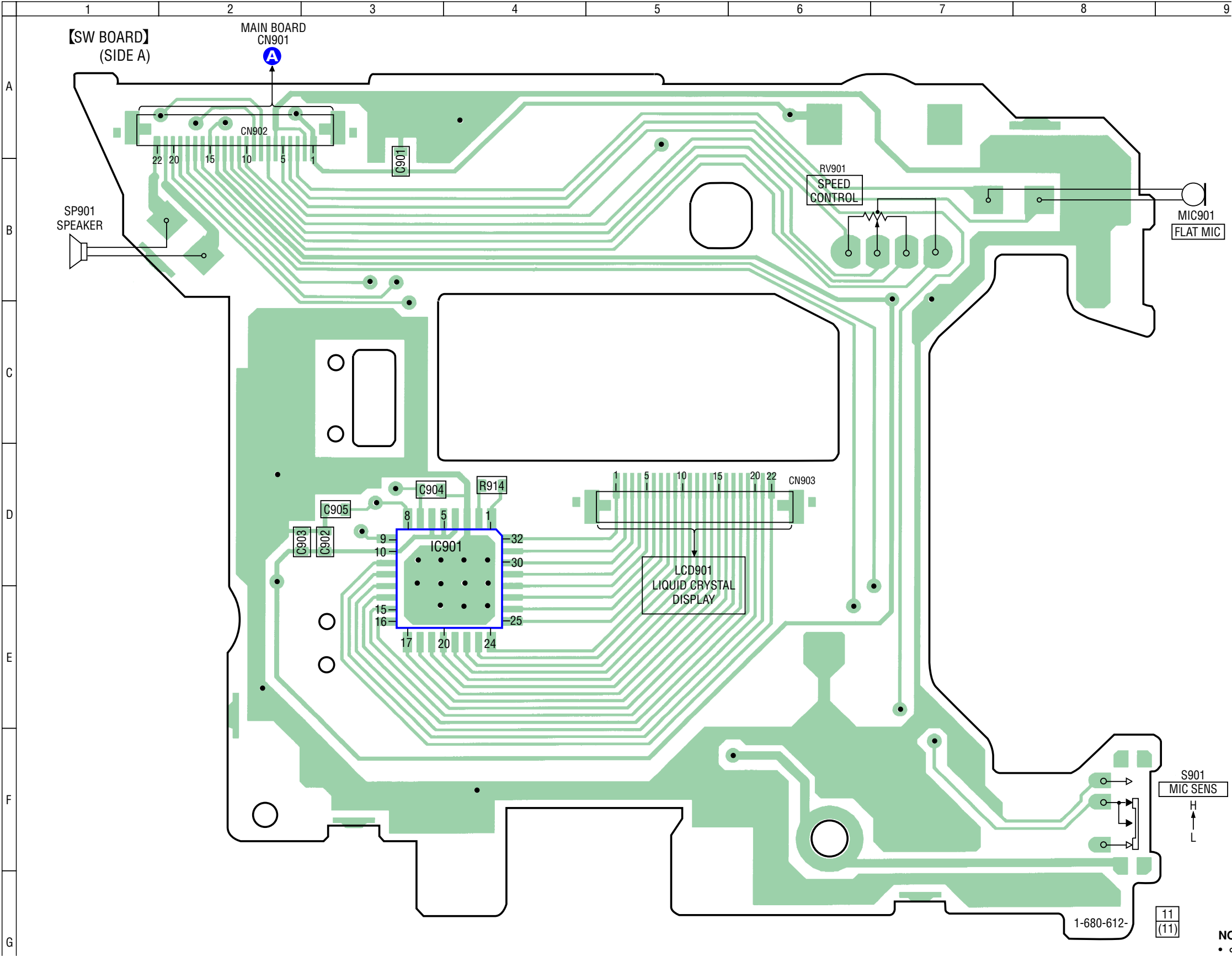
- : parts extracted from the component side.
- : Through hole.
- △ : internal component.
- : Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)

Caution:

Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.

Parts face side: Parts on the parts face side seen from the parts face are indicated.

4-8. PRINTED WIRING BOARDS – SW SECTION (SIDE A) –



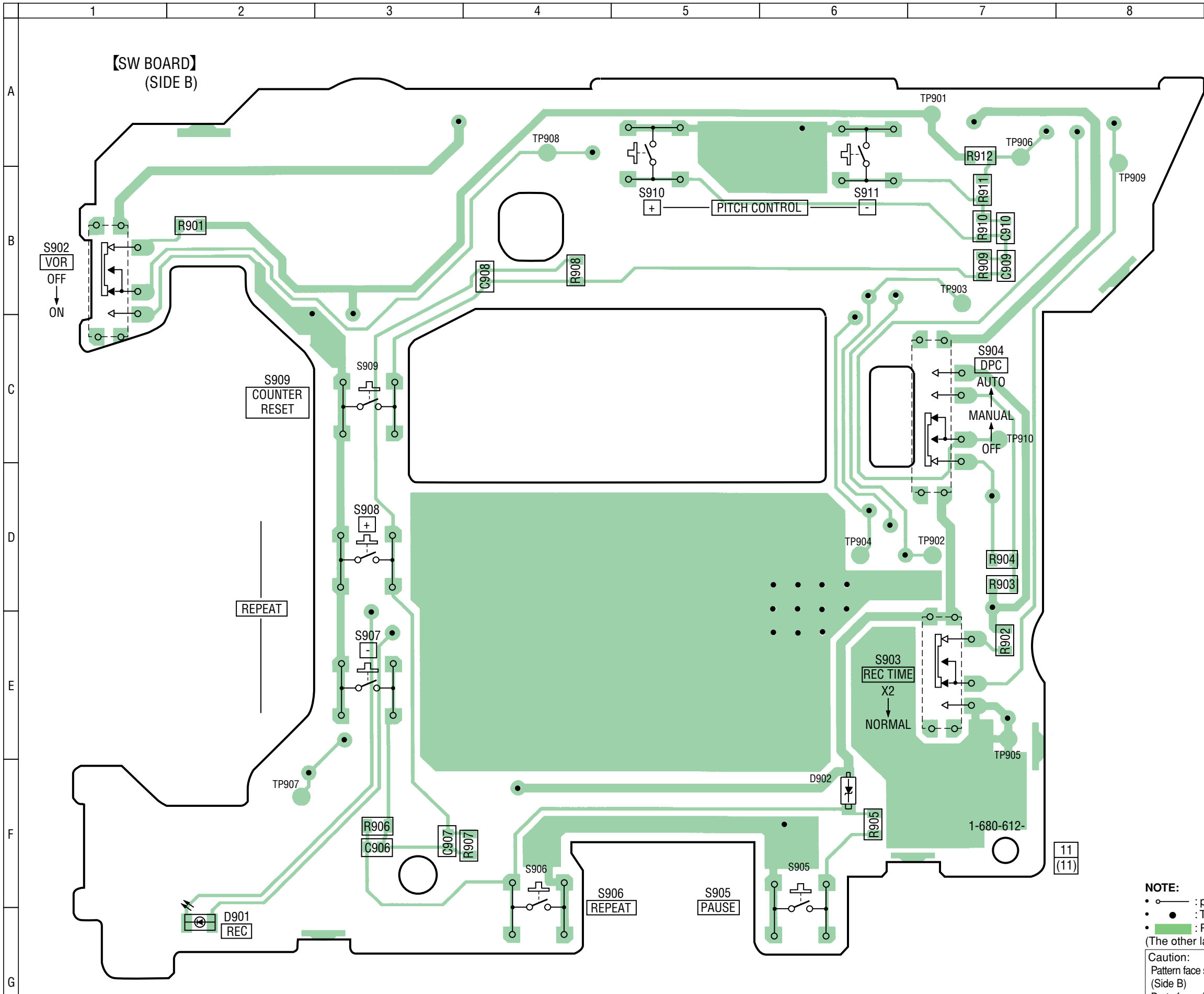
NOTE:

- — : parts extracted from the component side.
- • : Through hole.
- : Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)

Caution:

Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

4-9. PRINTED WIRING BOARDS – SW SECTION (SIDE B) –



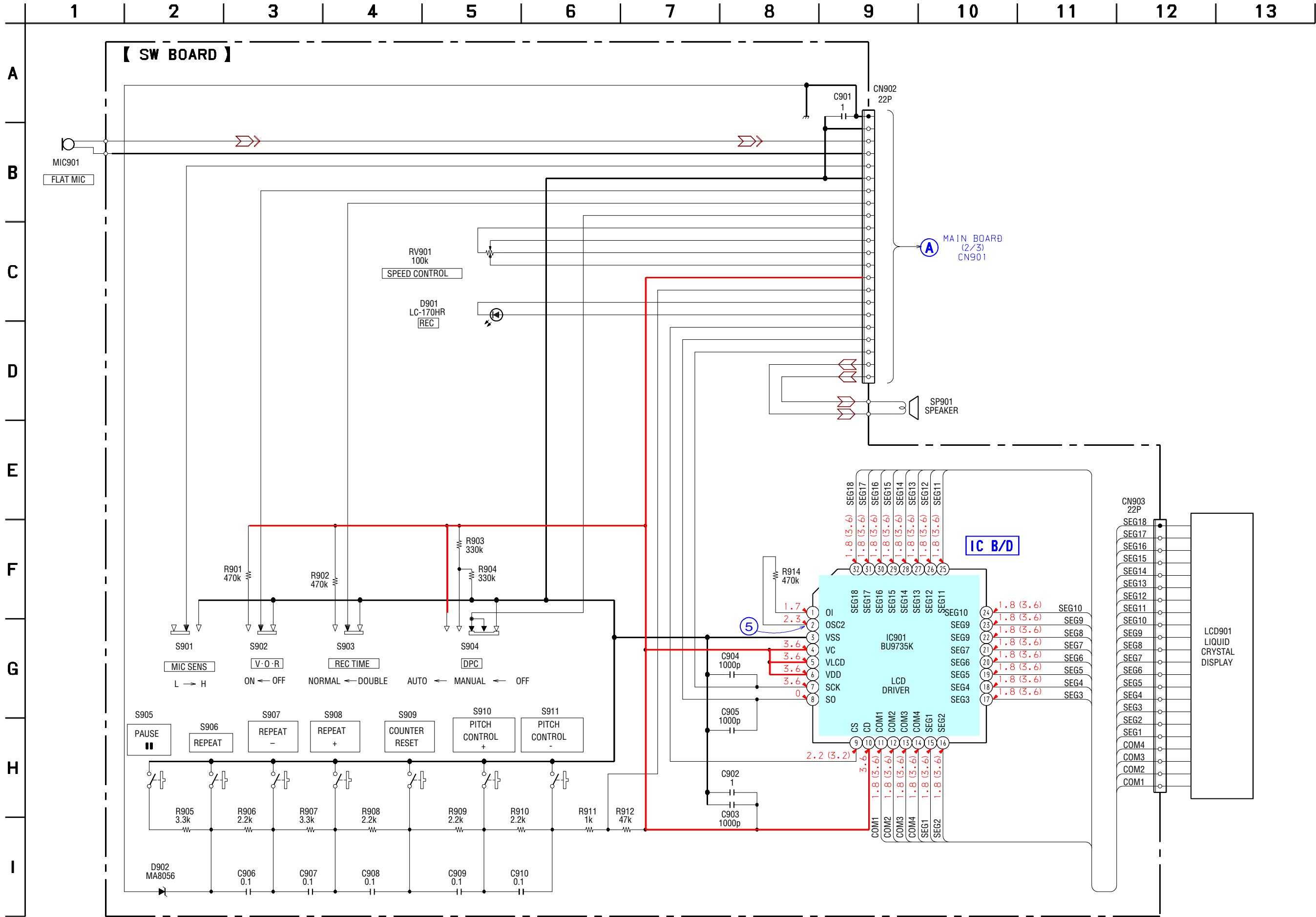
NOTE:

- — : parts extracted from the component side.
- • : Through hole.
- : Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)

Caution:

Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

4-10. SCHEMATIC DIAGRAM – SW SECTION – • Refer to page 8 for Notes. • Refer to page 8 for Waveforms. • Refer to page 21 for IC Block Diagrams.



4-11. EXPLANATION OF IC TERMINALS

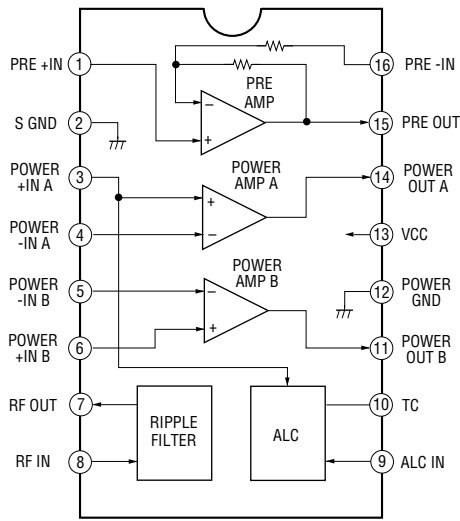
IC701 uPD789166GB-552-8ES (SYSTEM CONTROL)

Pin No.	Pin name	I/O	Description
1	FF/REW SW	I	Fast forward/Rewind switch (S702) input
2	VOR IN	I	VOR detect ON/OFF signal input
3	DPC SW	I	DPC position switch (S904) input
4	POWER/BATT DET	I	Power supply detect input (power on : H, off :L)
5	JACK DET	I	Earphone jack detect (J102) input
6	PHOTO IN	I	Rotation of reel detect signal
7	TAPE SPEED SW	I	Tape speed (REC TIME) switch (S903) input
8	KEY IN	I	Key input terminal of analog voltage mode
9	AVSS	—	Ground terminal
10	REC IN	I	REC/PB switch (S101) input (REC : H, PB : L)
11	SP SW	O	Speaker ON/OFF signal output (speaker on : H)
12	WAKE UP	I	Interrupt signal input
13	SPPED CTL	O	Tape speed signal output
14	VOR SW	I	VOR ON/OFF switch (S902) input
15	MOTOR CTL	O	Motor ON/OFF signal output (Motor ON : L)
16	LCD/REP SCLK	O	Clock signal output to LCD driver and repeat IC
17	VDD1	—	Power supply terminal (B+3.6V)
18	LCD/REP DATA OUT	O	Serial data signal output to LCD driver and repeat IC
19	REP SI	I	Serial data input for repeat IC
20	LED CTL	O	REC LED ON/OFF signal output
21	LCD CS	O	LCD driver chip select signal output
22	XIC0	—	Not used (connect to ground)
23	XT2	—	Not used (OPEN)
24	XT1	—	Not used (connect to ground)
25	RESET	I	System reset signal input
26	X2	O	Crystal oscillator terminal (4MHz)
27	X1	I	Crystal oscillator terminal (4MHz)
28	VSS0	—	Ground terminal
29	VDD0	—	Power supply terminal (B+3.6V)
30	PIC ON/OFF	O	Digital pitch control signal(DPC OFF : L, DPC ON : H)
31	PIC CTL	O	Digital pitch control PWM signal output
32	PIC MCI	O	Digital pitch control mode signal output (AUTO : L, MANUAL : H)
33	PIC RST	O	Digital pitch control reset signal output
34	REP RST	O	Repeat IC reset signal output
35	REP CS	O	Repeat IC chip select signal output
36	REP BUSY	I	Repeat IC busy signal input
37	VSS1	—	Ground terminal
38	REC CTL	O	REC control signal output
39	REP ON	O	Repeat ON/OFF signal output (OFF : H, ON :L)
40	F/R GEAR	I	Forward/reverse switch (S701) input (FWD : H, REV :L)
41	REP CUE/REV	O	Repeat playback cue/review signal output
42	MUTE CTL	O	Audio mute signal output
43	AVDD	—	Power supply terminal (B+3.6V)
44	AVREF	—	Reference voltage to A/D converter (connect to AVDD (B+3.6))

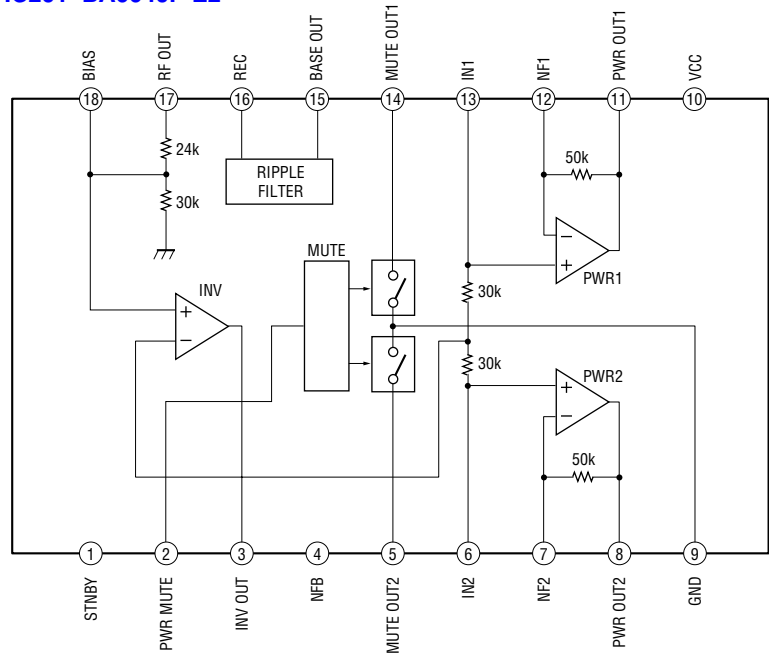
TCM-900DV

• IC BLOCK DIAGRAMS

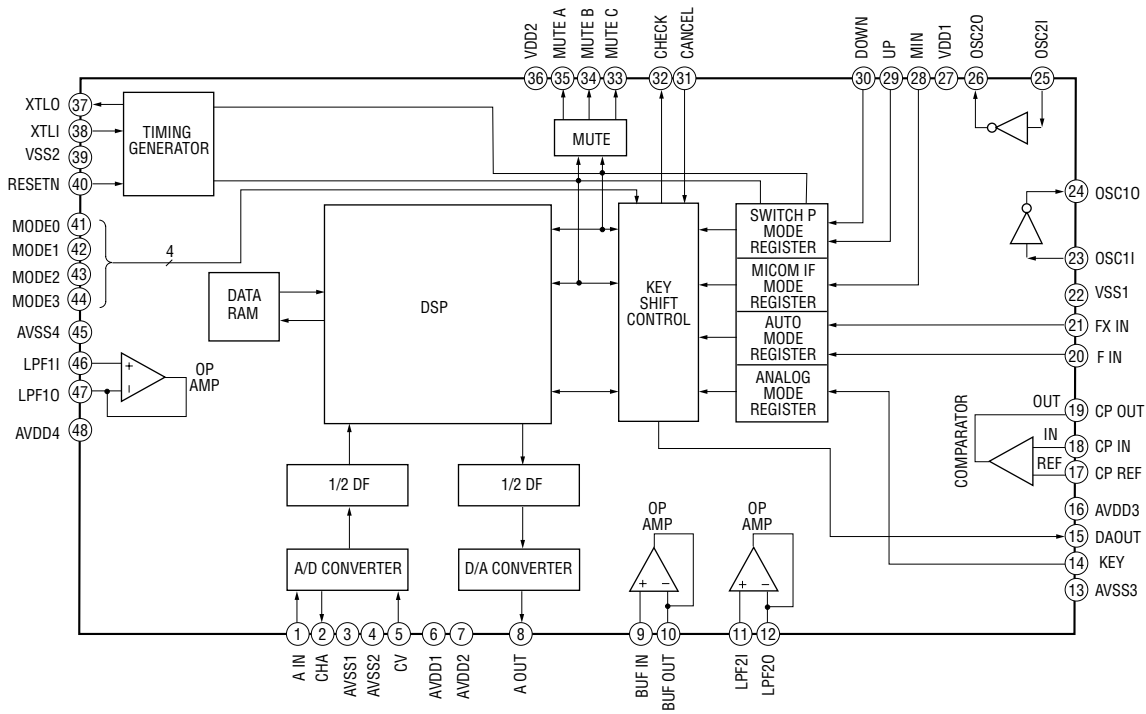
IC101 NJM2128M-TE2



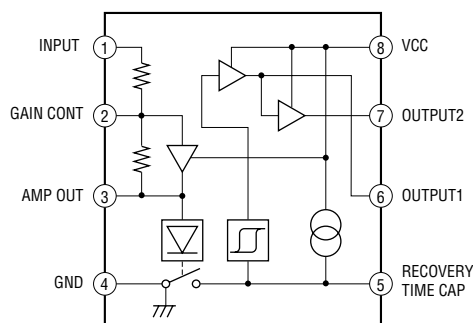
IC201 BA6640F-E2



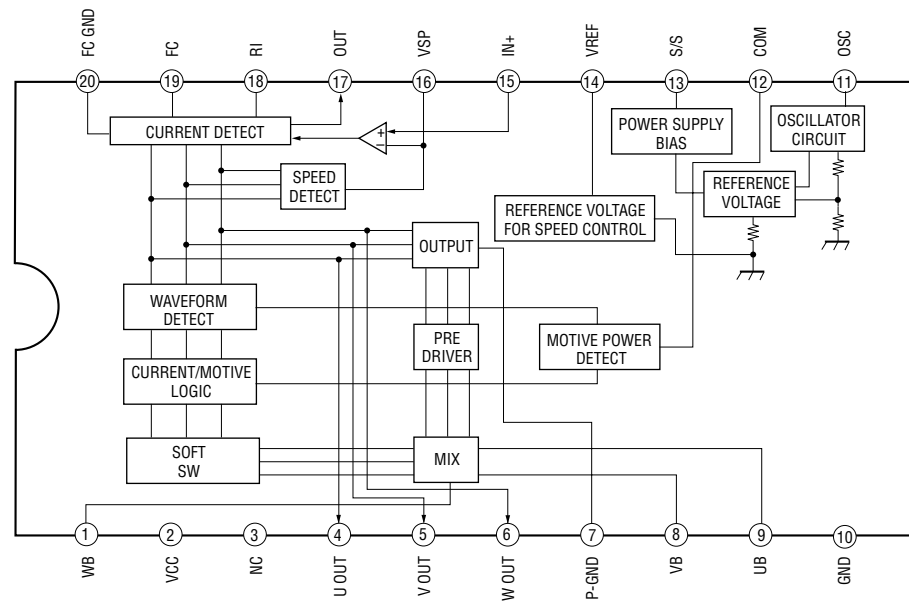
IC401 FHA012



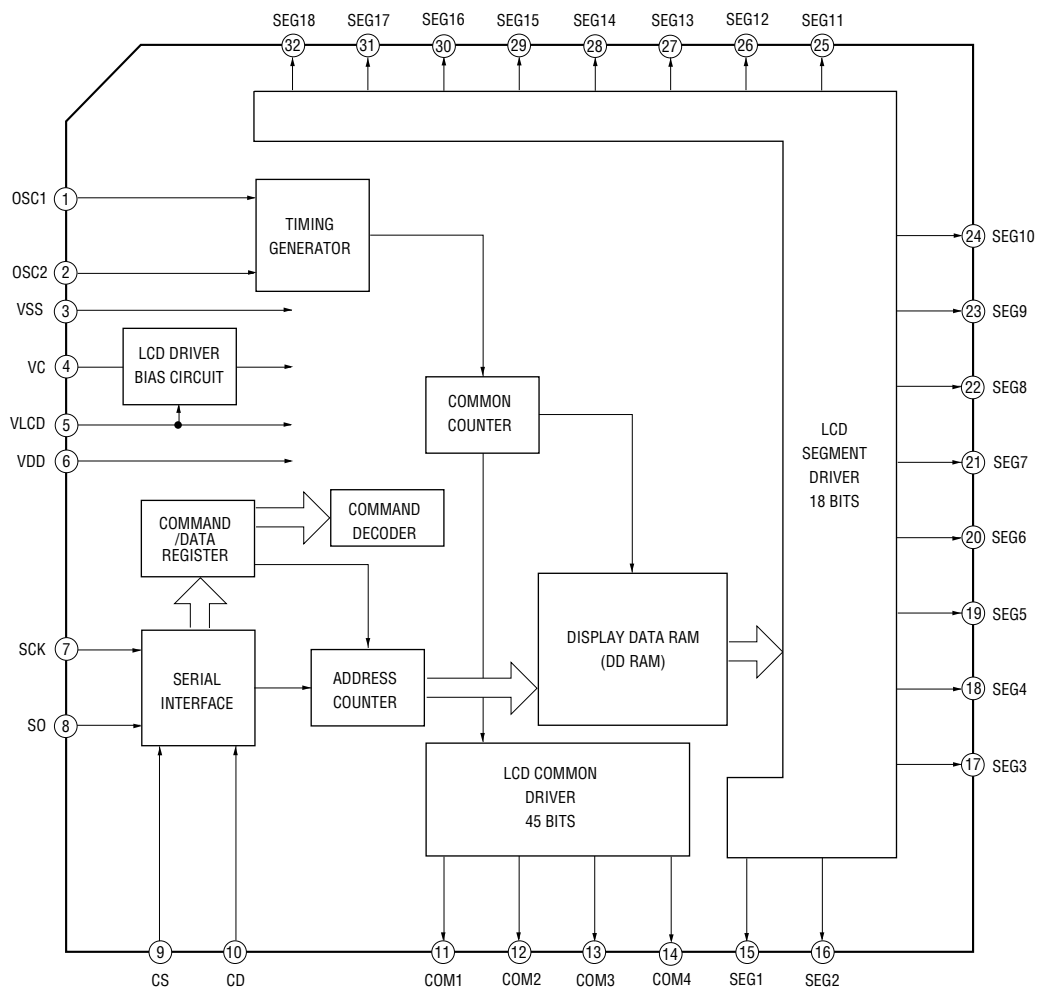
IC501 NJM2072M (TE2)



IC601 LB1979VL-TLM



IC901 BU9735K-E2



SECTION 5
EXPLODED VIEWS

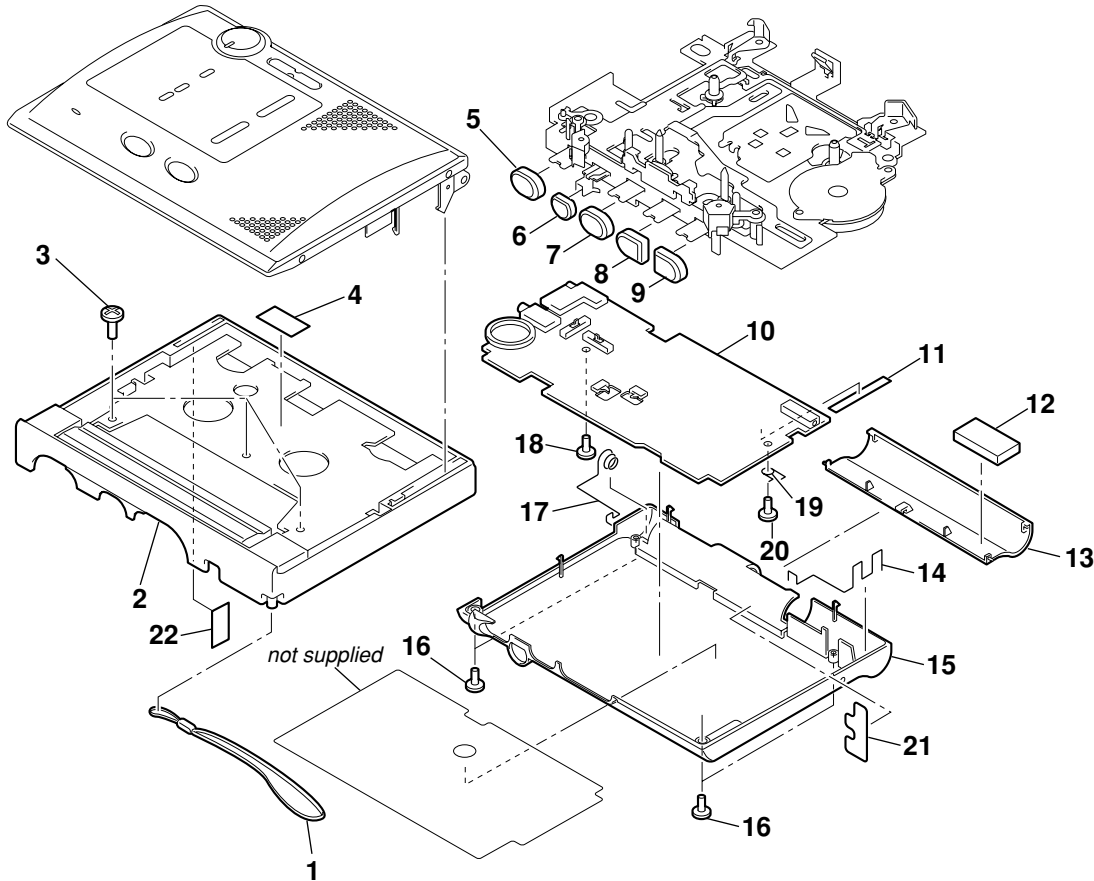
NOTE :

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

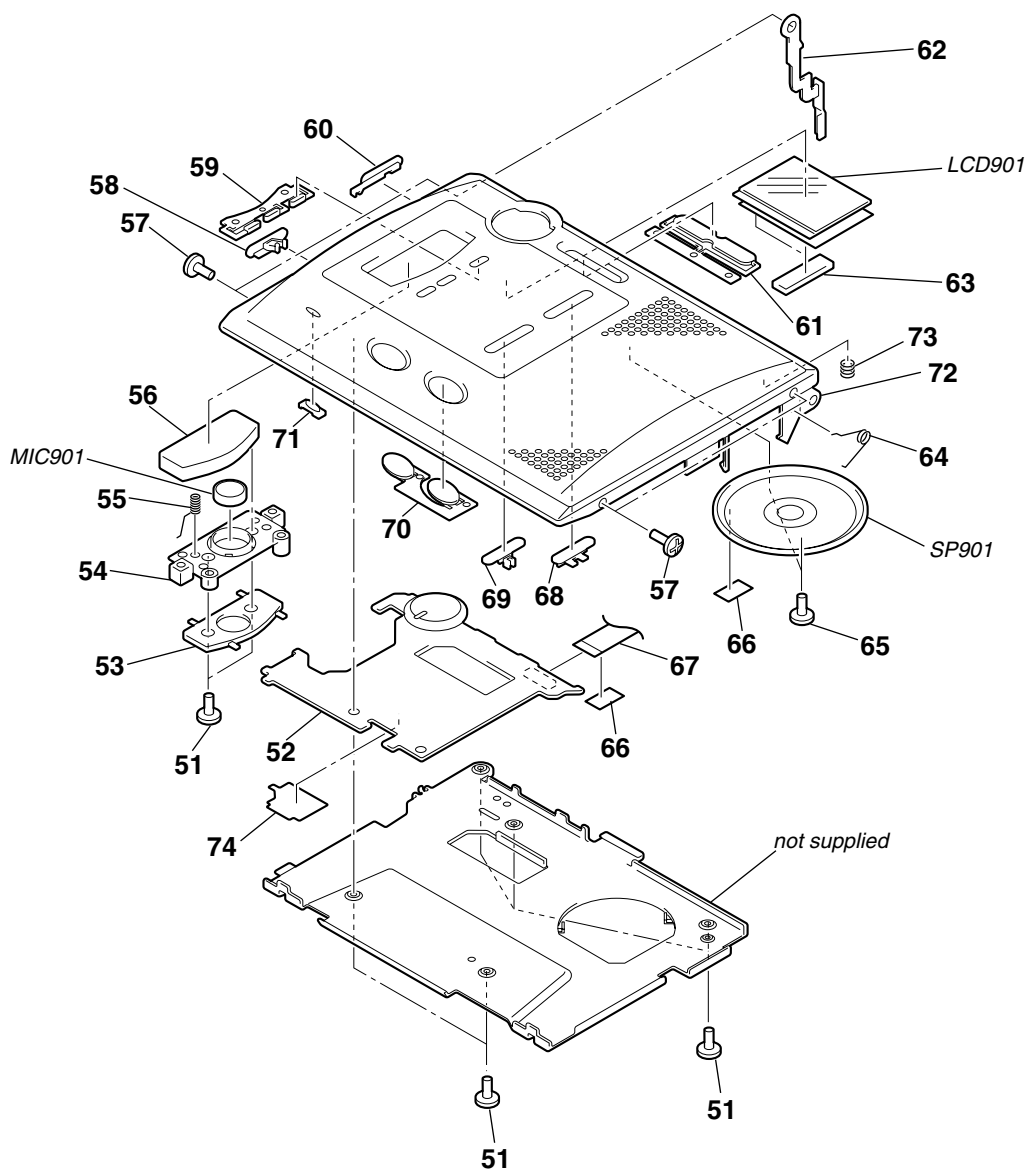
Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. MAIN BOARD, CABINET (REAR) SECTION



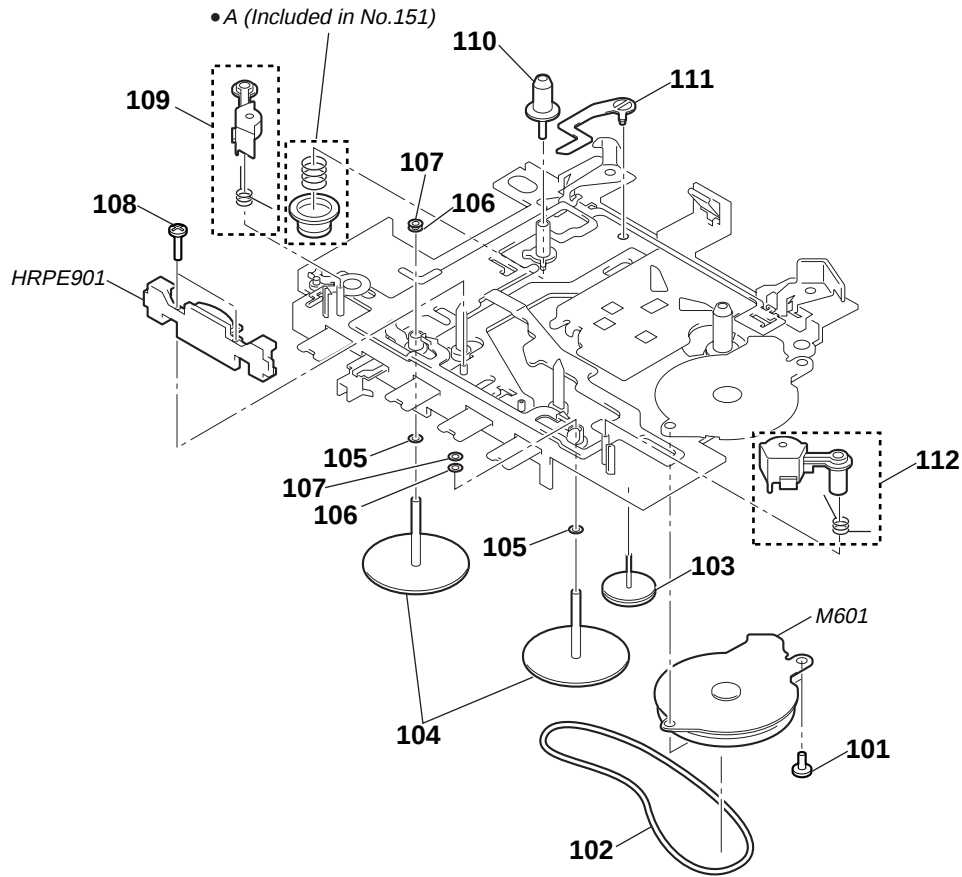
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-328-319-01	STRAP, HAND		12	3-927-521-01	CUSHION (BATTERY CASE LID)	
2	3-225-573-11	CABINET (FRONT)		13	3-225-577-01	LID, BATTERY CASE	
3	3-939-590-14	SCREW (IB LOCK)		14	3-225-574-01	TERMINAL, PLUS	
4	3-925-231-01	REFLECTOR		15	3-225-576-11	CABINET (REAR)	
5	3-225-572-01	BUTTON (REC)		16	3-318-203-92	SCREW (B1.7X9), TAPPING	
6	3-225-569-01	BUTTON (STOP)		17	3-225-575-01	TERMINAL, MINUS	
7	3-225-568-01	BUTTON (PLAY)		18	3-345-648-81	SCREW (M1.4), TOOTHED LOCK	
8	3-225-571-01	BUTTON (REW)		19	3-229-095-01	SPRING, GROUND	
9	3-225-570-01	BUTTON (FF)		20	3-703-502-31	SCREW	
* 10	A-3021-358-A	MAIN BOARD, COMPLETE		21	3-229-228-01	SHEET (BATTERY PICK)	
11	3-231-089-01	SPACER (RIB)		22	3-231-597-01	SHEET (RA)	

5-2. CASSETTE LID SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	3-375-114-71	SCREW		65	3-034-792-01	SCREW, TAPPING (B2.0)	
* 52	A-3021-359-A	SW BOARD, COMPLETE		66	4-017-441-01	CUSHION (B)	
53	3-225-564-01	RETAINER (MICROPHONE)		67	1-680-610-11	SW FLEXIBLE BOARD	
54	3-225-562-01	CUSHION (MICROPHONE)		68	3-225-555-01	KNOB (DPC)	
55	3-225-563-01	SPRING (GROUND)		69	3-225-557-01	KNOB (TAPE SPEED)	
56	X-3380-673-1	MIC ASSY		70	3-225-552-01	BUTTON (P.R)	
57	3-893-942-41	SCREW (1.7X3), TAPPING (B)		71	3-225-559-01	LENS (LED)	
58	3-225-558-01	KNOB (M-SENS)		72	X-3380-672-1	CASSETTE LID ASSY	
59	3-225-553-01	BUTTON (COUNTER RESET)		73	3-231-596-01	SPRING (LID), COMPRESSION	
60	3-225-556-01	KNOB (VOR)		74	3-231-595-01	PLATE (FLEXIBLE), SHIELD	
61	3-225-554-01	BUTTON (PITCH CONTROL)		LCD901	1-804-306-11	DISPLAY PANEL, LIQUID CRYSTAL	
62	X-3380-058-1	LEVER ASSY, FWD RETURN		MIC901	1-542-298-11	MICROPHONE, ELECTRET CONDENSER	
63	3-232-579-01	CUSHION (LCD)		SP901	1-529-606-11	SPEAKER (3.6cm)	
64	3-225-566-01	SPRING (TOGGLE)					

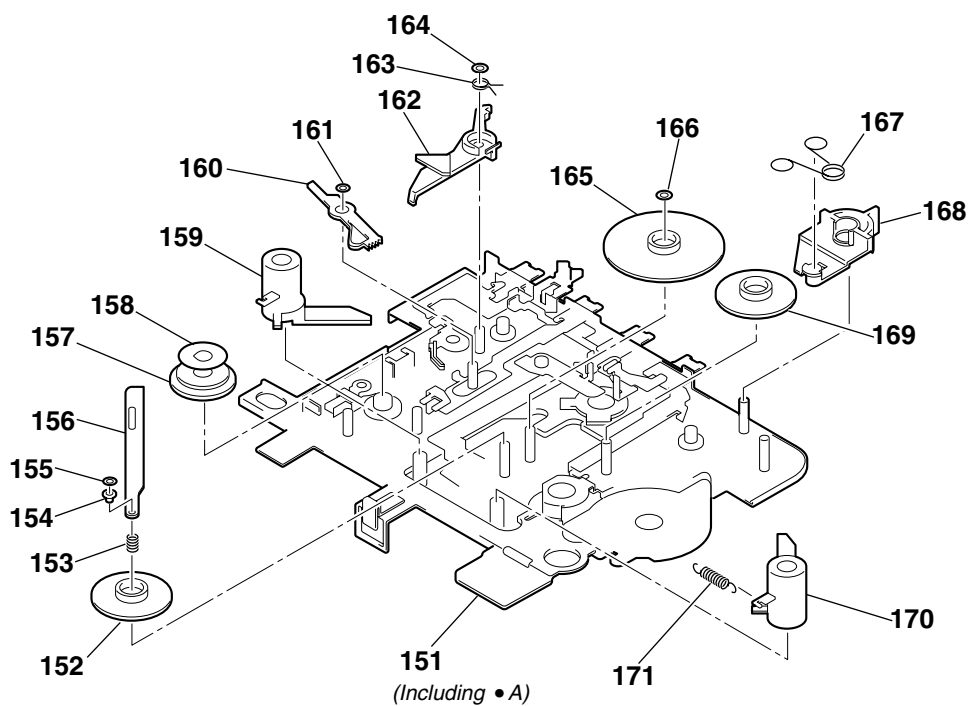
5-3. MECHANISM DECK SECTION-1(MT-900-175)



Ref. No.	Part No.	Description	Remark
101	3-704-197-01	SCREW (M1.4), SPECIAL HEAD	
102	3-225-429-01	BELT (AR)	
103	3-225-390-01	PULLEY (REVERSE)	
104	X-3379-877-1	FLY ASSY, CAPSTAN	
105	3-386-694-01	WASHER	
106	3-029-278-01	WASHER	
107	3-029-275-01	WASHER (STOPPER N)	

Ref. No.	Part No.	Description	Remark
108	3-042-480-01	SCREW (M1.4)	
109	X-3379-883-1	PINCH (R) ASSY, ARM	
110	3-019-776-01	GEAR (REEL-S)	
111	3-225-399-01	LEVER (N SHUT OFF)	
112	X-3379-882-1	PINCH (N) ASSY, ARM	
HRPE901	1-500-685-11	HEAD, MAGNETIC (REC/PB/ERASE)	
M601	1-763-654-11	MOTOR, DC (CAPSTAN/REEL)	(INCLUDING PULLEY)

5-4. MECHANISM DECK SECTION-2 (MT-900-175)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	X-3379-878-1	CHASSIS ASSY		161	3-229-064-01	WASHER, STOPPER	
152	3-225-385-01	GEAR (B)		162	3-225-393-01	LEVER (SHUT/OFF)	
153	3-229-063-01	SPRING (UD) (R)		163	3-225-448-01	SPRING (SHUT/OFF), TORSION	
154	3-019-778-01	SLEEVE (MS)		164	3-321-813-71	WASHER, COTTER POLYETHYLENE	
155	3-728-091-01	WASHER, STOPPER		165	X-3379-881-1	CLUTCH ASSY	
156	3-225-427-01	LEVER (WASHER)		166	3-315-384-31	WASHER, STOPPER	
157	3-225-384-01	GEAR (A)		167	3-225-438-01	SPRING (NR SLIDER), TORSION	
158	3-924-725-01	REFLECTOR		168	3-225-396-01	LEVER (DIR)	
159	3-225-395-01	LEVER (REW ROTARY)		169	3-225-388-01	GEAR (D)	
160	3-225-392-01	LEVER (END DETECTION)		170	3-225-394-01	LEVER (FF ROTARY)	
				171	3-225-444-01	SPRING (FR ROTARY), TENSION	

SECTION 6 ELECTRICAL PARTS LIST

NOTE :

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS**
All resistors are in ohms
METAL : Metal-film resistor
METAL OXIDE : Metal oxide-film resistor
F : nonflammable
- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- SEMICONDUCTORS**
In each case, u : μ , for example :
uA.... : μ A.... , uPA.... : μ PA....
uPB.... : μ PB.... , uPC.... : μ PC....
uPD.... : μ PD....
- CAPACITORS**
uF : μ F
- COILS**
uH : μ H
- Abbreviation
CND : Canadian
JEW : Tourist

The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-3021-358-A	MAIN BOARD, COMPLETE *****		C141	1-107-820-11	CERAMIC CHIP 0.1uF	16V
		<CAPACITOR>		C142	1-125-777-11	CERAMIC CHIP 0.1uF	10% 6.3V
C101	1-164-676-11	CERAMIC CHIP 2200PF	5% 16V	C143	1-135-337-11	TANTAL. CHIP 1uF	20% 6.3V
C102	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V	C144	1-115-156-11	CERAMIC CHIP 1uF	10V
C103	1-164-676-11	CERAMIC CHIP 2200PF	5% 16V	C145	1-164-937-11	CERAMIC CHIP 0.001uF	10% 16V
C104	1-110-569-11	TANTAL. CHIP 47uF	20% 4V	C201	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V
C105	1-107-820-11	CERAMIC CHIP 0.1uF	16V	C202	1-125-837-91	CERAMIC CHIP 1uF	10% 6.3V
C107	1-164-492-11	CERAMIC CHIP 0.15uF	10% 16V	C203	1-115-467-11	CERAMIC CHIP 0.22uF	10% 10V
C108	1-119-923-81	CERAMIC CHIP 0.047uF	10% 10V	C204	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V
C109	1-115-467-11	CERAMIC CHIP 0.22uF	10% 10V	C205	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V
C110	1-164-937-11	CERAMIC CHIP 0.001uF	10% 16V	C206	1-164-874-11	CERAMIC CHIP 100PF	5% 16V
C111	1-115-467-11	CERAMIC CHIP 0.22uF	10% 10V	C207	1-164-941-11	CERAMIC CHIP 0.0047uF	10% 16V
C112	1-115-467-11	CERAMIC CHIP 0.22uF	10% 10V	C208	1-164-941-11	CERAMIC CHIP 0.0047uF	10% 16V
C113	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V	C209	1-135-149-21	TANTALUM CHIP 2.2uF	20% 10V
C114	1-115-156-11	CERAMIC CHIP 1uF	10V	C210	1-135-149-21	TANTALUM CHIP 2.2uF	20% 10V
C115	1-104-847-11	TANTAL. CHIP 22uF	20% 4V	C211	1-110-569-11	TANTAL. CHIP 47uF	20% 6.3V
C116	1-164-940-11	CERAMIC CHIP 0.0033uF	10% 16V	C212	1-125-837-91	CERAMIC CHIP 1uF	10% 6.3V
C117	1-125-777-11	CERAMIC CHIP 0.1uF	10% 6.3V	C213	1-125-837-91	CERAMIC CHIP 1uF	10% 6.3V
C118	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V	C214	1-115-156-11	CERAMIC CHIP 1uF	10V
C119	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V	C301	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C120	1-127-772-81	CERAMIC CHIP 33000PF	10% 10V	C302	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C121	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V	C303	1-164-866-11	CERAMIC CHIP 47PF	5% 16V
C122	1-110-569-11	TANTAL. CHIP 47uF	20% 4V	C304	1-135-337-11	TANTAL. CHIP 1uF	20% 6.3V
C123	1-115-156-11	CERAMIC CHIP 1uF	10V	C305	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C124	1-110-569-11	TANTAL. CHIP 47uF	20% 4V	C306	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V
C125	1-125-777-11	CERAMIC CHIP 0.1uF	10% 6.3V	C307	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V
C126	1-110-569-11	TANTAL. CHIP 47uF	20% 4V	C308	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C127	1-110-569-11	TANTAL. CHIP 47uF	20% 4V	C309	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C128	1-164-941-11	CERAMIC CHIP 0.0047uF	10% 16V	C310	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V
C129	1-115-156-11	CERAMIC CHIP 1uF	10V	C311	1-164-937-11	CERAMIC CHIP 0.001uF	10% 16V
C130	1-107-820-11	CERAMIC CHIP 0.1uF	16V	C312	1-164-937-11	CERAMIC CHIP 0.001uF	10% 16V
C131	1-115-156-11	CERAMIC CHIP 1uF	10V	C313	1-115-467-11	CERAMIC CHIP 0.22uF	10% 10V
C132	1-115-156-11	CERAMIC CHIP 1uF	10V	C314	1-115-467-11	CERAMIC CHIP 0.22uF	10% 10V
C133	1-115-156-11	CERAMIC CHIP 1uF	10V	C401	1-104-563-11	FILM CHIP 0.1uF	5% 16V
C134	1-107-820-11	CERAMIC CHIP 0.1uF	16V	C402	1-165-128-11	CERAMIC CHIP 0.22uF	16V
C135	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	C403	1-165-128-11	CERAMIC CHIP 0.22uF	16V
C136	1-164-315-11	CERAMIC CHIP 470PF	5% 50V	C404	1-164-874-11	CERAMIC CHIP 100PF	5% 16V
C137	1-115-156-11	CERAMIC CHIP 1uF	10V	C405	1-164-874-11	CERAMIC CHIP 100PF	5% 16V
C138	1-135-259-11	TANTAL. CHIP 10uF	20% 6.3V	C406	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C139	1-135-337-11	TANTAL. CHIP 1uF	20% 6.3V	C407	1-110-563-11	CERAMIC CHIP 0.068uF	10% 16V
C140	1-115-156-11	CERAMIC CHIP 1uF	10V	C408	1-164-315-11	CERAMIC CHIP 470PF	5% 50V
				C409	1-164-942-11	CERAMIC CHIP 0.0068uF	10% 16V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C410	1-113-619-11	CERAMIC CHIP	0.47uF 10V	D402	8-719-073-01	DIODE MA111-(K8).S0	
C411	1-164-940-11	CERAMIC CHIP	0.0033uF 10% 16V	D701	8-719-977-03	DIODE DTZ5.6B	
C412	1-107-820-11	CERAMIC CHIP	0.1uF 16V				
C413	1-107-820-11	CERAMIC CHIP	0.1uF 16V	D702	8-719-977-03	DIODE DTZ5.6B	
				D703	8-719-977-03	DIODE DTZ5.6B	
C414	1-110-563-11	CERAMIC CHIP	0.068uF 10% 16V	D704	8-719-977-03	DIODE DTZ5.6B	
C415	1-107-820-11	CERAMIC CHIP	0.1uF 16V	D705	8-719-977-03	DIODE DTZ5.6B	
C416	1-107-820-11	CERAMIC CHIP	0.1uF 16V	D801	8-719-072-70	DIODE MA2ZD14001S0	
C417	1-127-988-81	CERAMIC CHIP	15000PF 10% 16V				
C418	1-110-569-11	TANTAL. CHIP	47uF 20% 4V	D802	8-719-977-03	DIODE DTZ5.6B	
				D803	8-719-073-01	DIODE MA111-(K8).S0	
C419	1-135-259-11	TANTAL. CHIP	10uF 20% 6.3V			<FERRITE BEAD>	
C420	1-164-940-11	CERAMIC CHIP	0.0033uF 10% 16V				
C421	1-135-151-21	TANTALUM CHIP	4.7uF 20% 4V	FB101	1-414-760-21	FERRITE 0uH	
C422	1-164-862-11	CERAMIC CHIP	33PF 5% 16V			<IC>	
C426	1-115-156-11	CERAMIC CHIP	1uF 10V				
				IC101	8-759-339-54	IC NJM-2128M-TE2	
C427	1-115-156-11	CERAMIC CHIP	1uF 10V	IC102	8-759-829-80	IC XC62FP1802MR	
C428	1-115-156-11	CERAMIC CHIP	1uF 10V	IC103	8-759-559-89	IC NJU7015R-TE2	
C501	1-107-820-11	CERAMIC CHIP	0.1uF 16V	IC201	8-759-650-96	IC BA6640F-E2	
C502	1-107-820-11	CERAMIC CHIP	0.1uF 16V	IC301	8-759-693-05	IC MS87V1021	
C503	1-164-937-11	CERAMIC CHIP	0.001uF 10% 16V				
				IC401	8-759-493-89	IC FHA012	
C504	1-104-847-11	TANTAL. CHIP	22uF 20% 4V	IC501	8-759-701-51	IC NJM2072M(Te2)	
C505	1-107-820-11	CERAMIC CHIP	0.1uF 16V	IC601	8-759-638-51	IC LB1979VL-TLM	
C506	1-164-874-11	CERAMIC CHIP	100PF 5% 16V	IC602	8-759-184-64	IC TC4W66FU(Te12R)	
C507	1-107-820-11	CERAMIC CHIP	0.1uF 16V	IC603	8-759-184-64	IC TC4W66FU(Te12R)	
C508	1-107-820-11	CERAMIC CHIP	0.1uF 16V				
				IC604	8-759-184-64	IC TC4W66FU(Te12R)	
C509	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	IC605	8-759-829-80	IC XC62FP1802MR	
C510	1-115-156-11	CERAMIC CHIP	1uF 10V	IC606	8-759-184-64	IC TC4W66FU(Te12R)	
C511	1-164-315-11	CERAMIC CHIP	470PF 5% 50V	IC701	8-759-693-04	IC uPD789166GB-552-8ES	
C601	1-164-937-11	CERAMIC CHIP	0.001uF 10% 16V	IC702	8-759-824-57	IC XC61CN3002NR	
C602	1-117-863-11	CERAMIC CHIP	0.47uF 10% 6.3V				
				IC801	8-759-828-87	IC XC6371C401PR	
C603	1-119-923-81	CERAMIC CHIP	0.047uF 10% 10V	IC802	8-759-828-88	IC XC62GR3612MR	
C604	1-110-563-11	CERAMIC CHIP	0.068uF 10% 16V	IC803	8-759-828-88	IC XC62GR3612MR	
C605	1-110-563-11	CERAMIC CHIP	0.068uF 10% 16V				
C606	1-110-563-11	CERAMIC CHIP	0.068uF 10% 16V				
C607	1-115-467-11	CERAMIC CHIP	0.22uF 10% 10V				
						<JACK>	
C608	1-135-337-11	TANTAL. CHIP	1uF 20% 6.3V	J101	1-785-790-11	JACK (MIC(PLUG IN POWER))	
C609	1-115-156-11	CERAMIC CHIP	1uF 10V	J102	1-794-154-22	JACK (EARPHONE)	
C610	1-135-259-11	TANTAL. CHIP	10uF 20% 6.3V	J801	1-794-615-11	JACK,DC(POLARITY UNIFIED TYPE)	(DC IN 3V)
C611	1-110-569-11	TANTAL. CHIP	47uF 20% 6.3V				
C701	1-115-156-11	CERAMIC CHIP	1uF 10V				
						<COIL>	
C702	1-164-943-11	CERAMIC CHIP	0.01uF 10% 16V	L401	1-414-400-41	INDUCTOR 22uH	
C703	1-125-837-91	CERAMIC CHIP	1uF 10% 6.3V	L601	1-414-400-41	INDUCTOR 22uH	
C801	1-119-750-11	TANTAL. CHIP	22uF 20% 6.3V	L801	1-469-644-21	INDUCTOR 100uH	
C802	1-104-851-11	TANTAL. CHIP	10uF 20% 10V	L802	1-414-400-41	INDUCTOR 22uH	
C803	1-126-246-11	ELECT CHIP	220uF 20% 4V				
						<PHOTO REFLECTOR>	
C804	1-115-416-11	CERAMIC CHIP	0.001uF 5% 25V	PH701	8-749-014-43	PHOTO REFLECTOR PR-20-T	
C805	1-135-259-11	TANTAL. CHIP	10uF 20% 6.3V				
C806	1-135-259-11	TANTAL. CHIP	10uF 20% 6.3V				
C807	1-115-156-11	CERAMIC CHIP	1uF 10V				
						<TRANSISTOR>	
		<CONNECTOR>		Q101	8-729-141-75	TRANSISTOR 2SD596DV345	
CN101	1-573-349-21	CONNECTOR, FFC/FPC 9P		Q102	8-729-047-68	TRANSISTOR SSM3K03FE(TPL3)	
CN901	1-573-362-11	CONNECTOR, FFC/FPC 22P		Q103	8-729-047-68	TRANSISTOR SSM3K03FE(TPL3)	
				Q104	8-729-047-68	TRANSISTOR SSM3K03FE(TPL3)	
		<DIODE>		Q105	8-729-141-75	TRANSISTOR 2SD596DV345	
D101	8-719-977-03	DIODE DTZ5.6B					
D102	8-719-977-03	DIODE DTZ5.6B		Q106	8-729-028-27	TRANSISTOR 2SK2009(TE85L)	
D401	8-719-073-01	DIODE MA111-(K8).S0		Q107	8-729-047-68	TRANSISTOR SSM3K03FE(TPL3)	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
Q108	8-729-037-58	TRANSISTOR	UN9110J-(TX).SO			R120	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
Q109	8-729-037-78	TRANSISTOR	UN9217J-(TX).SO			R121	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q110	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R122	1-218-985-11	RES-CHIP	470K	5%	1/16W
Q111	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R123	1-218-977-11	RES-CHIP	100K	5%	1/16W
Q112	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R124	1-218-981-11	RES-CHIP	220K	5%	1/16W
Q113	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R125	1-218-937-11	RES-CHIP	47	5%	1/16W
Q114	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R126	1-218-937-11	RES-CHIP	47	5%	1/16W
Q115	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R127	1-218-941-11	RES-CHIP	100	5%	1/16W
Q201	8-729-046-89	TRANSISTOR	2SB970-S(TX).SO			R128	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
Q202	8-729-037-58	TRANSISTOR	UN9110J-(TX).SO			R130	1-218-977-11	RES-CHIP	100K	5%	1/16W
Q301	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R131	1-218-941-11	RES-CHIP	100	5%	1/16W
Q302	8-729-427-72	TRANSISTOR	XP4501			R132	1-218-941-11	RES-CHIP	100	5%	1/16W
Q303	8-729-427-72	TRANSISTOR	XP4501			R133	1-218-987-11	RES-CHIP	680K	5%	1/16W
Q304	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R134	1-218-983-11	RES-CHIP	330K	5%	1/16W
Q305	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R135	1-218-941-11	RES-CHIP	100	5%	1/16W
Q306	8-729-037-58	TRANSISTOR	UN9110J-(TX).SO			R136	1-218-977-11	RES-CHIP	100K	5%	1/16W
Q307	8-729-047-68	TRANSISTOR	SSM3K03FE(TPL3)			R137	1-218-977-11	RES-CHIP	100K	5%	1/16W
Q401	8-729-038-05	TRANSISTOR	HN1K02FU(T5RSONY)			R138	1-218-977-11	RES-CHIP	100K	5%	1/16W
Q402	8-729-037-58	TRANSISTOR	UN9110J-(TX).SO			R139	1-218-977-11	RES-CHIP	100K	5%	1/16W
Q403	8-729-037-58	TRANSISTOR	UN9110J-(TX).SO			R140	1-218-969-11	RES-CHIP	22K	5%	1/16W
Q404	8-729-037-78	TRANSISTOR	UN9217J-(TX).SO			R141	1-218-969-11	RES-CHIP	22K	5%	1/16W
Q405	8-729-426-42	TRANSISTOR	XP1217-TXE			R142	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
Q501	8-729-037-78	TRANSISTOR	UN9217J-(TX).SO			R143	1-218-973-11	RES-CHIP	47K	5%	1/16W
Q502	8-729-427-72	TRANSISTOR	XP4501			R144	1-218-987-11	RES-CHIP	680K	5%	1/16W
Q503	8-729-427-74	TRANSISTOR	XP4601			R201	1-218-981-11	RES-CHIP	220K	5%	1/16W
Q601	8-729-046-89	TRANSISTOR	2SB970-S(TX).SO			R202	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q602	8-729-046-89	TRANSISTOR	2SB970-S(TX).SO			R203	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q603	8-729-037-62	TRANSISTOR	UN9114J-(TX).SO			R204	1-218-953-11	RES-CHIP	1K	5%	1/16W
Q604	8-729-037-58	TRANSISTOR	UN9110J-(TX).SO			R206	1-218-953-11	RES-CHIP	1K	5%	1/16W
Q606	8-729-037-58	TRANSISTOR	UN9110J-(TX).SO			R207	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
Q607	8-729-037-58	TRANSISTOR	UN9110J-(TX).SO			R208	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
Q608	8-729-037-75	TRANSISTOR	UN9214J-(TX).SO			R301	1-218-977-11	RES-CHIP	100K	5%	1/16W
Q701	8-729-425-46	TRANSISTOR	XP4315-TXE			R302	1-218-985-11	RES-CHIP	470K	5%	1/16W
Q702	8-729-032-62	TRANSISTOR	2SJ347-TE85L			R303	1-218-981-11	RES-CHIP	220K	5%	1/16W
Q801	8-729-046-89	TRANSISTOR	2SB970-S(TX).SO			R304	1-218-987-11	RES-CHIP	680K	5%	1/16W
Q802	8-729-037-78	TRANSISTOR	UN9217J-(TX).SO			R305	1-218-985-11	RES-CHIP	470K	5%	1/16W
<RESISTOR>						R306	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R101	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R307	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R102	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R308	1-218-985-11	RES-CHIP	470K	5%	1/16W
R103	1-218-965-11	RES-CHIP	10K	5%	1/16W	R309	1-218-985-11	RES-CHIP	470K	5%	1/16W
R104	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R310	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R105	1-218-953-11	RES-CHIP	1K	5%	1/16W	R311	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R106	1-218-977-11	RES-CHIP	100K	5%	1/16W	R312	1-218-985-11	RES-CHIP	470K	5%	1/16W
R107	1-218-953-11	RES-CHIP	1K	5%	1/16W	R313	1-218-989-11	RES-CHIP	1M	5%	1/16W
R108	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R314	1-218-941-11	RES-CHIP	100	5%	1/16W
R109	1-218-967-11	RES-CHIP	15K	5%	1/16W	R315	1-218-987-11	RES-CHIP	680K	5%	1/16W
R110	1-218-983-11	RES-CHIP	330K	5%	1/16W	R316	1-218-987-11	RES-CHIP	680K	5%	1/16W
R111	1-218-965-11	RES-CHIP	10K	5%	1/16W	R317	1-218-977-11	RES-CHIP	100K	5%	1/16W
R112	1-220-803-81	RES-CHIP	4.7	5%	1/16W	R318	1-218-981-11	RES-CHIP	220K	5%	1/16W
R113	1-208-643-11	RES-CHIP	22	5%	1/16W	R401	1-218-977-11	RES-CHIP	100K	5%	1/16W
R114	1-218-987-11	RES-CHIP	680K	5%	1/16W	R402	1-218-977-11	RES-CHIP	100K	5%	1/16W
R115	1-218-973-11	RES-CHIP	47K	5%	1/16W	R403	1-218-977-11	RES-CHIP	100K	5%	1/16W
R116	1-218-969-11	RES-CHIP	22K	5%	1/16W	R404	1-218-977-11	RES-CHIP	100K	5%	1/16W
R117	1-218-947-11	RES-CHIP	330	5%	1/16W	R405	1-218-977-11	RES-CHIP	100K	5%	1/16W
R118	1-218-947-11	RES-CHIP	330	5%	1/16W	R406	1-218-977-11	RES-CHIP	100K	5%	1/16W
R119	1-218-965-11	RES-CHIP	10K	5%	1/16W	R407	1-218-965-11	RES-CHIP	10K	5%	1/16W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R408	1-218-963-11	RES-CHIP	6.8K	5%	1/16W	R706	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R409	1-218-989-11	RES-CHIP	1M	5%	1/16W	R707	1-218-985-11	METAL CHIP	470K	0.5%	1/16W
R410	1-218-965-11	RES-CHIP	10K	5%	1/16W	R708	1-218-985-11	RES-CHIP	470K	5%	1/16W
R411	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R412	1-218-965-11	RES-CHIP	10K	5%	1/16W	R709	1-218-987-11	RES-CHIP	680K	5%	1/16W
						R710	1-218-977-11	RES-CHIP	100K	5%	1/16W
R413	1-218-977-11	RES-CHIP	100K	5%	1/16W	R711	1-218-977-11	RES-CHIP	100K	5%	1/16W
R414	1-218-969-11	RES-CHIP	22K	5%	1/16W	R712	1-218-977-11	RES-CHIP	100K	5%	1/16W
R415	1-218-987-11	RES-CHIP	680K	5%	1/16W	R713	1-218-987-11	RES-CHIP	680K	5%	1/16W
R416	1-218-953-11	RES-CHIP	1K	5%	1/16W						
R417	1-218-953-11	RES-CHIP	1K	5%	1/16W	R714	1-218-987-11	RES-CHIP	680K	5%	1/16W
						R715	1-218-965-11	RES-CHIP	10K	5%	1/16W
R418	1-218-987-11	RES-CHIP	680K	5%	1/16W	R716	1-218-965-11	RES-CHIP	10K	5%	1/16W
R419	1-218-969-11	RES-CHIP	22K	5%	1/16W	R717	1-218-987-11	RES-CHIP	680K	5%	1/16W
R420	1-218-977-11	RES-CHIP	100K	5%	1/16W	R718	1-218-987-11	RES-CHIP	680K	5%	1/16W
R422	1-218-987-11	RES-CHIP	680K	5%	1/16W						
R423	1-218-971-11	RES-CHIP	33K	5%	1/16W	R719	1-218-977-11	RES-CHIP	100K	5%	1/16W
						R801	1-218-985-11	RES-CHIP	470K	5%	1/16W
R501	1-218-973-11	RES-CHIP	47K	5%	1/16W	R802	1-218-985-11	RES-CHIP	470K	5%	1/16W
R502	1-218-969-11	RES-CHIP	22K	5%	1/16W	R803	1-218-983-11	RES-CHIP	330K	5%	1/16W
R503	1-218-969-11	RES-CHIP	22K	5%	1/16W	R804	1-218-985-11	RES-CHIP	470K	5%	1/16W
R504	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R505	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R805	1-218-987-11	RES-CHIP	680K	5%	1/16W
						R806	1-218-965-11	RES-CHIP	10K	5%	1/16W
R506	1-218-977-11	RES-CHIP	100K	5%	1/16W			<VARIABLE RESISTOR>			
R507	1-218-969-11	RES-CHIP	22K	5%	1/16W	RV301	1-227-322-11	RES, VAR, CARBON 50K/50K (VOLUME)			
R508	1-218-953-11	RES-CHIP	1K	5%	1/16W	RV401	1-241-596-11	RES, ADJ, CERMET 47K (DPC)			
R509	1-218-965-11	RES-CHIP	10K	5%	1/16W	RV601	1-225-867-21	RES, ADJ, CERMET 1K (9.6cm/s)			
R510	1-218-949-11	RES-CHIP	470	5%	1/16W	RV602	1-225-867-21	RES, ADJ, CERMET 1K (4.8cm/s)			
						RV603	1-225-867-21	RES, ADJ, CERMET 1K (2.4cm/s)			
R511	1-218-977-11	RES-CHIP	100K	5%	1/16W	RV604	1-225-867-21	RES, ADJ, CERMET 1K (1.6cm/s)			
R512	1-218-987-11	RES-CHIP	680K	5%	1/16W			<SWITCH>			
R513	1-218-965-11	RES-CHIP	10K	5%	1/16W	S101	1-572-964-11	SWITCH, SLIDE (PB/REC)			
R514	1-218-941-11	RES-CHIP	100	5%	1/16W	S102	1-572-964-11	SWITCH, SLIDE (FWD/REV)			
R515	1-218-953-11	RES-CHIP	1K	5%	1/16W	S701	1-572-688-11	SWITCH, PUSH (1 KEY) (F/R GEAR)			
						S702	1-572-688-11	SWITCH, PUSH (1 KEY) (FF/REW)			
R516	1-218-977-11	RES-CHIP	100K	5%	1/16W	S801	1-572-688-11	SWITCH, PUSH (1 KEY) (POWER)			
R601	1-218-949-11	RES-CHIP	470	5%	1/16W			<TRANSFORMER>			
R602	1-218-989-11	RES-CHIP	1M	5%	1/16W	T101	1-433-286-23	TRANSFORMER, BIAS OSCILLATION			
R603	1-218-989-11	RES-CHIP	1M	5%	1/16W			<THERMISTOR>			
R604	1-218-989-11	RES-CHIP	1M	5%	1/16W	TH601	1-810-805-21	THERMISTOR, NTC (1608)			
								<VIBRATOR>			
R605	1-218-971-11	RES-CHIP	33K	5%	1/16W	X301	1-767-289-11	VIBRATOR, CERAMIC (4MHz)			
R606	1-218-973-11	RES-CHIP	47K	5%	1/16W	X401	1-760-227-11	VIBRATOR, CERAMIC (768kHz)			
R607	1-218-941-11	RES-CHIP	100	5%	1/16W	X701	1-767-289-11	VIBRATOR, CERAMIC (4MHz)			
R608	1-218-941-11	RES-CHIP	100	5%	1/16W	*****					
R609	1-218-965-11	RES-CHIP	10K	5%	1/16W	*	A-3021-359-A	SW BOARD, COMPLETE			

R610	1-218-973-11	RES-CHIP	47K	5%	1/16W			<CAPACITOR>			
R611	1-218-971-11	RES-CHIP	33K	5%	1/16W	C901	1-115-156-11	CERAMIC CHIP	1uF		10V
R612	1-218-969-11	RES-CHIP	22K	5%	1/16W	C902	1-115-156-11	CERAMIC CHIP	1uF		10V
R613	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	C903	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
R614	1-218-963-11	RES-CHIP	6.8K	5%	1/16W	C904	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
						C905	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
R616	1-218-947-11	RES-CHIP	330	5%	1/16W						
R617	1-218-957-11	RES-CHIP	2.2K	5%	1/16W						
R621	1-218-987-11	RES-CHIP	680K	5%	1/16W						
R622	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R623	1-218-955-11	RES-CHIP	1.5K	5%	1/16W						
R624	1-218-953-11	RES-CHIP	1K	5%	1/16W						
R625	1-218-957-11	RES-CHIP	2.2K	5%	1/16W						
R701	1-218-957-11	RES-CHIP	2.2K	5%	1/16W						
R702	1-218-987-11	RES-CHIP	680K	5%	1/16W						
R703	1-218-981-11	RES-CHIP	220K	5%	1/16W						
R704	1-218-977-11	RES-CHIP	100K	5%	1/16W						
R705	1-218-965-11	RES-CHIP	10K	5%	1/16W						

TCM-900DV

SW

Ref. No.	Part No.	Description	Remark
C906	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C907	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C908	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C909	1-107-820-11	CERAMIC CHIP 0.1uF	16V
C910	1-107-820-11	CERAMIC CHIP 0.1uF	16V
<CONNECTOR>			
CN902	1-573-931-11	CONNECTOR, FFC/FPC (ZIF) 22P	
CN903	1-573-362-11	CONNECTOR, FFC/FPC 22P	
<DIODE>			
D901	8-719-067-79	DIODE CL-170HR-CD-T-AB	
D902	8-719-977-03	DIODE DTZ5.6B	
<IC>			
IC901	8-759-573-02	IC BU9735K-E2	
<RESISTOR>			
R901	1-216-853-11	METAL CHIP 470K 5%	1/16W
R902	1-216-853-11	METAL CHIP 470K 5%	1/16W
R903	1-216-851-11	METAL CHIP 330K 5%	1/16W
R904	1-216-851-11	METAL CHIP 330K 5%	1/16W
R905	1-216-827-11	METAL CHIP 3.3K 5%	1/16W
R906	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R907	1-216-827-11	METAL CHIP 3.3K 5%	1/16W
R908	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R909	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R910	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R911	1-216-821-11	METAL CHIP 1K 5%	1/16W
R912	1-218-887-11	METAL CHIP 47K 0.5%	1/16W
R914	1-216-853-11	METAL CHIP 470K 5%	1/16W
<VARIABLE RESISTOR>			
RV901	1-227-321-11	RES, VAR, CARBON 100K (SPEED CONTROL)	
<SWITCH>			
S901	1-572-922-11	SWITCH, SLIDE (MIC SENSE)	
S902	1-572-922-11	SWITCH, SLIDE (VOR)	
S903	1-572-922-11	SWITCH, SLIDE (REC TIME)	
S904	1-692-605-31	SWITCH, SLIDE (DPC)	
S905	1-771-851-21	SWITCH, TACTILE (SMD) (PAUSE)	
S906	1-771-851-21	SWITCH, TACTILE (SMD) (REPEAT)	
S907	1-771-851-21	SWITCH, TACTILE (SMD) (REPEAT TIME: -)	
S908	1-771-851-21	SWITCH, TACTILE (SMD) (REPEAT TIME: +)	
S909	1-771-851-21	SWITCH, TACTILE (SMD) (COUNTER RESET)	
S910	1-771-851-21	SWITCH, TACTILE (SMD) (PITCH CONTROL: +)	
S911	1-771-851-21	SWITCH, TACTILE (SMD) (PITCH CONTROL: -)	

MISCELLANEOUS			

67	1-680-610-11	SW FLEXIBLE BOARD	
HRPE9011	500-685-11	HEAD, MAGNETIC (REC/PB/ERASE)	
SP901	1-529-606-11	SPEAKER (3.6cm)	
MIC901	1-542-298-11	MICROPHONE, ELECTRET CONDENSER	

Ref. No.	Part No.	Description	Remark
M601	1-763-654-11	MOTOR, DC (CAPSTAN/REEL) (INCLUDING PULLEY)	
LCD901	1-804-306-11	DISPLAY PANEL, LIQUID CRYSTAL	

ACCESSORIES & PACKING MATERIALS			

1-476-494-11		REMOTE CONTROL UNIT (RM-TCM2)	
3-044-622-01		POUCH, CARRYING	
3-224-726-01		MANUAL, INSTRUCTION (JAPANESE) (JEW)	
3-224-726-11		MANUAL, INSTRUCTION (ENGLISH, RUSSIAN)	
3-224-726-21		MANUAL, INSTRUCTION (SIMPLIFIED CHINESE, TRADITIONAL CHINESE, KOREAN) (JEW)	
3-224-726-31		MANUAL, INSTRUCTION (FRENCH, SPANISH) (US, CND, AEP)	
3-224-726-41		MANUAL, INSTRUCTION (GERMAN, DUTCH) (AEP)	
3-224-726-51		MANUAL, INSTRUCTION (SWEDISH, ITALIAN) (AEP)	
3-224-726-61		MANUAL, INSTRUCTION (PORTUGUESE, FINNISH) (AEP)	
8-953-304-90		RECEIVER MDR-E805SP	

REVISION HISTORY

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