

SERVICE MANUAL

STEREO RADIO
CASSETTE RECORDER

BASIC TAPE MECHANISM : TN-21ZVC-1727

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
(S/M Code No. 09-993-327-20A).

SPECIFICATIONS

HRJ MODEL

Tuner section

<HR model>

Frequency range, antenna — FM: 87.5 - 108.0 MHz
Rod antenna, MW: 530 - 1,605 kHz Ferrite bar antenna,
SW: 3.9 - 12.1 MHz Rod antenna

<SH model>

Frequency range, antenna — FM: 87.5 - 108.0 MHz
Rod antenna, MW: 530 - 1,605 kHz Ferrite bar antenna,
SW1: 2.3 - 7.0 MHz Ferrite bar antenna,
SW2: 7.0 - 22.0 MHz Rod antenna

Deck section

Track format — 4 tracks, 2 channels / Frequency range
— Normal tape: 50 - 12,500 Hz (EIAJ) / Recording
system — AC bias / Erasing system — Magnet erase /
Heads — Recording/playback head (1), Erasure head (1)

General

Speaker — 100 mm cone type (2), 20 mm ceramic type
(2) / Output — Headphones jack (stereo mini-jack) /
Power output — 2.5 W + 2.5 W (EIAJ 4 ohms, T.H.D. 10%),
2.0 W + 2.0 W (DIN 1% Rated Power) / Power
requirements — DC 9 V using six size D (R20)
batteries, AC 110 - 120 V / 220 - 240 V AC switchable,
50/60 Hz / Power consumption — 13 W / Dimensions —
480 (W) × 153 (H) × 146 (D) mm / Weight — 2.2 kg
(excluding batteries)

- Design and specifications are subject to change without notice.

EZ MODEL

Tuner section

Frequency range, antenna — FM: 87.5 - 108.0 MHz
Rod antenna, MW: 530 - 1,605 kHz Ferrite bar antenna,
LW: 150 - 285 kHz Ferrite bar antenna

Deck section

Track format — 4 tracks, 2 channels / Frequency range
— Normal tape: 50 - 12,500 Hz (EIAJ) / Recording
system — AC bias / Erasing system — Magnet erase /
Heads — Recording/playback head (1), Erasure head (1)

General

Speaker — 100 mm cone type (2), 20 mm ceramic type
(2) / Output — Headphones jack (stereo mini-jack) /
Power output — 4.0 W + 4.0 W (DIN MUSIC POWER),
2.5 W + 2.5 W (EIAJ 4 ohms, T.H.D. 10%), 2.0 W + 2.0
W (DIN 1% Rated Power) / Power requirements — DC
9 V using six size D (R20) batteries, AC 230 V, 50 Hz /
Power consumption — 14 W / Dimensions — 480 (W) ×
153 (H) × 146 (D) mm / Weight — 2.2 kg (excluding
batteries)

- Design and specifications are subject to change without notice.

ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
▲	1	87-A80-081-010	AC CORD SET ASSY,EZ BLK
	2	8Z-CS4-908-010	IB,EZ(9L)B<EZ>
	2	8Z-CS3-907-010	IB,SH(ECA)B<HRJ>
▲	3	87-099-789-010	PLUG,ADPTR IR44<HRJ>

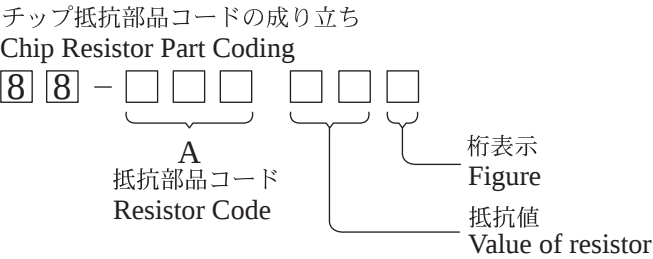
ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

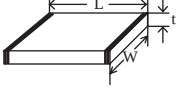
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C405	87-010-401-080		CAP, ELECT 1-50V
	87-A20-851-040	C-IC, TA2111F		C406	87-010-401-080		CAP, ELECT 1-50V
	87-A20-569-010	IC, BA3308		C407	87-010-260-080		CAP, ELECT 47-25V
	87-017-916-010	IC, BU4066BC		C408	87-010-112-080		CAP, ELECT 100-16V
	87-A20-946-040	C-IC, MM1434XF		C409	87-018-134-080		CAPACITOR, TC-U 0.01-16
	87-CD7-602-010	IC, TA8227P		C410	87-010-412-080		CAP, ELECT 10-25V
TRANSISTOR				C411	87-010-260-080		CAP, ELECT 47-25V
	87-026-462-080	TR, 2SC1740		C412	87-018-134-080		CAPACITOR, TC-U 0.01-16
	89-318-155-080	TR, 2SC1815 (0.4W)		C413	87-018-134-080		CAPACITOR, TC-U 0.01-16
	87-CD7-603-080	TR, SS8050		C414	87-018-134-080		CAPACITOR, TC-U 0.01-16
DIODE				C415	87-018-134-080		CAPACITOR, TC-U 0.01-16
	87-020-465-080	DIODE, 1SS133 (110MA)		C416	87-010-402-080		CAP, ELECT 2.2-50V
	87-020-605-080	DIODE, 1SS135<HRJ>		C417	87-018-127-080		CAP, CER 470P-50V
	87-070-136-080	ZENNR, MTZJ5.1		C418	87-010-402-080		CAP, ELECT 2.2-50V
	87-017-931-080	ZENNR, MTZJ5.6		C419	87-010-402-080		CAP, ELECT 2.2-50V
	87-001-783-010	DIODE, 1N4002		C420	87-018-127-080		CAP, CER 470P-50V
MAIN C.B				C470	87-010-260-080		CAP, ELECT 47-25V
C101	87-A10-161-010	CAP, CER 56P-50 K SL<EXCEPT HRJ>		C501	87-010-401-080		CAP, ELECT 1-50V
C105	8Z-CS3-629-010	CAP, CER 300P-50 K SL<HRJ>		C502	87-010-401-080		CAP, ELECT 1-50V
C105	87-A10-165-010	CAP, CER 120P-50 K SL<EXCEPT HRJ>		C505	87-010-112-080		CAP, ELECT 100-16V
C106	87-A10-136-010	CAP, CER 10P-50K CH<EXCEPT HRJ>		C506	87-010-112-080		CAP, ELECT 100-16V
C107	8Z-CS3-629-010	CAP, CER 300P-50 K SL<EXCEPT HRJ>		C507	87-010-112-080		CAP, ELECT 100-16V
C111	87-A10-356-010	CAP, CER 25P-50 J CH<EXCEPT HRJ>		C508	87-010-112-080		CAP, ELECT 100-16V
C113	87-010-401-080	CAP, ELECT 1-50V		C509	87-010-235-080		CAP, E 470-16 SME
C114	87-A10-176-010	CAP, CER 1000P-50 M D		C510	87-010-235-080		CAP, E 470-16 SME
C115	87-018-209-080	CAP, CER 0.1-50V		C513	87-010-101-080		CAP, ELECT 220-16
C116	87-018-209-080	CAP, CER 0.1-50V		C514	87-010-112-080		CAP, ELECT 100-16V
C117	87-010-401-080	CAP, ELECT 1-50V		C601	87-018-205-080		CAP, CERA-SOL 0.022
C118	87-010-112-080	CAP, ELECT 100-16V		C602	87-018-205-080		CAP, CERA-SOL 0.022
C119	87-018-109-080	CAP, CER 22P-50V<HRJ>		C603	87-018-205-080		CAP, CERA-SOL 0.022
C123	87-A10-356-010	CAP, CER 25P-50 J CH<HRJ>		C604	87-018-205-080		CAP, CERA-SOL 0.022
C127	87-015-695-080	CAP, ELECT 0.1-50		C605	87-018-205-080		CAP, CERA-SOL 0.022
C128	87-010-404-080	CAP, ELECT 4.7-50V		C606	87-015-997-010		CAP, ELECT 2200UF-16V
C132	87-010-545-080	CAP, ELECT 0.22-50V		C640	87-010-404-080		CAP, ELECT 4.7-50V
C133	87-010-545-080	CAP, ELECT 0.22-50V		C641	87-010-404-080		CAP, ELECT 4.7-50V
C134	87-018-209-080	CAP, CER 0.1-50V		CN302	8Z-CS3-619-010		CONN, 2P MIC
C142	87-018-209-080	CAP, CER 0.1-50V		CN305	8Z-CS3-613-010		CONN, 2P PLAY SW.
C301	87-010-545-080	CAP, ELECT 0.22-50V		CN501	8Z-CS3-604-010		CONN, 3P V SP
C302	87-010-402-080	CAP, ELECT 2.2-50V		CN601	8Z-CS3-607-010		CONN, 2P V POWER
C303	87-010-402-080	CAP, ELECT 2.2-50V		△F1	S4-004-310-000		T 2.5A, 250V<HRJ>
C306	87-018-109-080	CAP, CER 22P-50V		IFC1	87-008-582-010		FLTR, SFU455B<HRJ>
C307	87-018-109-080	CAP, CER 22P-50V		IFC1	S2-900-371-000		FLTR, SFU465B<EXCEPT HRJ>
C308	87-010-260-080	CAP, ELECT 47-25V		IFC2	87-008-261-010		FILTER, SFE10.7MA5-A
C309	87-010-260-080	CAP, ELECT 47-25V		IFC3	87-008-261-010		FILTER, SFE10.7MA5-A
C310	87-010-412-080	CAP, ELECT 10-25V		J1	8Z-CS3-603-010		JACK, ST W/SW HP ZCS-3
C311	87-010-412-080	CAP, ELECT 10-25V		L102	8Z-CS3-654-010		COIL, SW2 ANT<HRJ>
C316	87-010-404-080	CAP, ELECT 4.7-50V		L104	8Z-CS3-672-010		COIL, LW OSC<EXCEPT HRJ>
C317	87-010-112-080	CAP, ELECT 100-16V		L104	8Z-CS3-655-010		COIL, MW OSC<HRJ>
C318	87-010-412-080	CAP, ELECT 10-25V		L105	8Z-CS3-655-010		COIL, MW OSC<EXCEPT HRJ>
C319	87-018-205-080	CAP, CERA-SOL 0.022		L105	8Z-CS3-656-010		COIL, SW OSC<HRJ>
C320	87-018-205-080	CAP, CERA-SOL 0.022		L108	8Z-CS3-669-010		COIL, FM OSC-EZ<EXCEPT HRJ>
C321	87-010-112-080	CAP, ELECT 100-16V		L109	8Z-CS3-650-010		COIL, IFT AM
C322	87-010-112-080	CAP, ELECT 100-16V		L301	8Z-CS3-612-010		COIL, BIAS OSC
C323	87-018-205-080	CAP, CERA-SOL 0.022		L302	87-003-152-080		COIL, 100UH
C324	87-A10-176-010	CAP, CER 1000P-50 M D		LED605	87-A40-248-080		LED, SEL2210STP7 RED
C325	87-010-101-080	CAP, ELECT 220-16		MIC1	8Z-CS3-628-010		MIC, ZCS-3
C329	87-018-209-080	CAP, CER 0.1-50V		SW201	8Z-CS3-659-010		SW, TU-3BAND
C331	87-010-101-080	CAP, ELECT 220-16		SW202	8Z-CS3-610-010		SW, BEAT CUT
C332	87-010-412-080	CAP, ELECT 10-25V		SW301	8Z-CS3-609-010		SW, PB/REC
C333	87-018-205-080	CAP, CERA-SOL 0.022		SW302	8Z-CS3-611-010		SW, FUNCTION
C401	87-010-401-080	CAP, ELECT 1-50V		SW401	8Z-CS3-600-010		SW, Q SOUND
C402	87-010-401-080	CAP, ELECT 1-50V		TC101	87-018-151-010		CAP, TC U 20P-50 J CH UP050<EXCEPT HRJ>
C403	87-010-545-080	CAP, ELECT 0.22-50V		PVC1	8Z-CS3-642-010		TUN-CAP, EZ<EXCEPT HRJ>
C404	87-010-545-080	CAP, ELECT 0.22-50V		PVC1	8Z-CS3-641-010		TUN-CAP, H<HRJ>
				VR501	8Z-CS3-601-010		VR, RTRY 50K MAIN

- Regarding connectors, they are not stocked as they are not the initial order items.
The connectors are available after they are supplied from connector manufacturers upon the order is received.

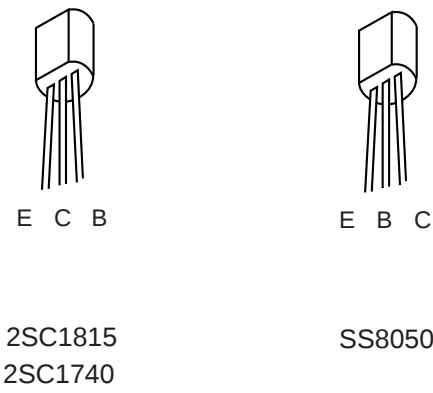
○チップ抵抗部品コード／CHIP RESISTOR PART CODE



チップ抵抗
Chip resistor

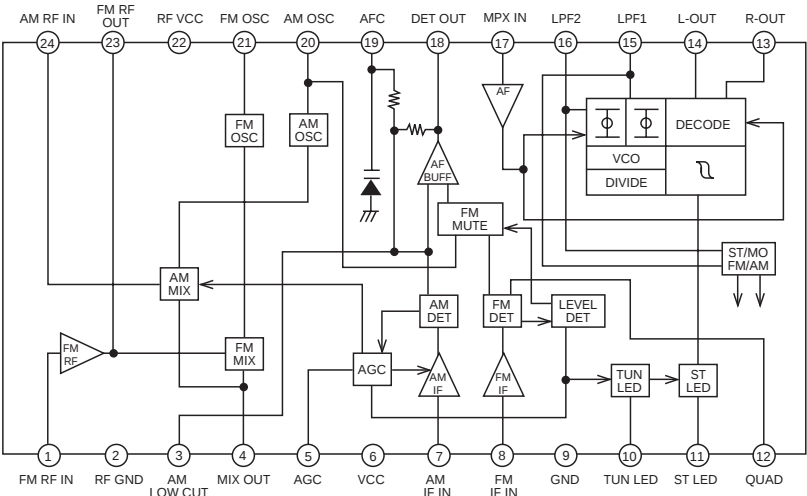
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION

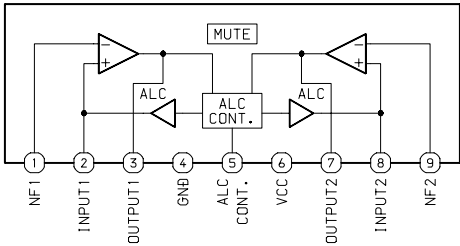


IC BLOCK DIAGRAM

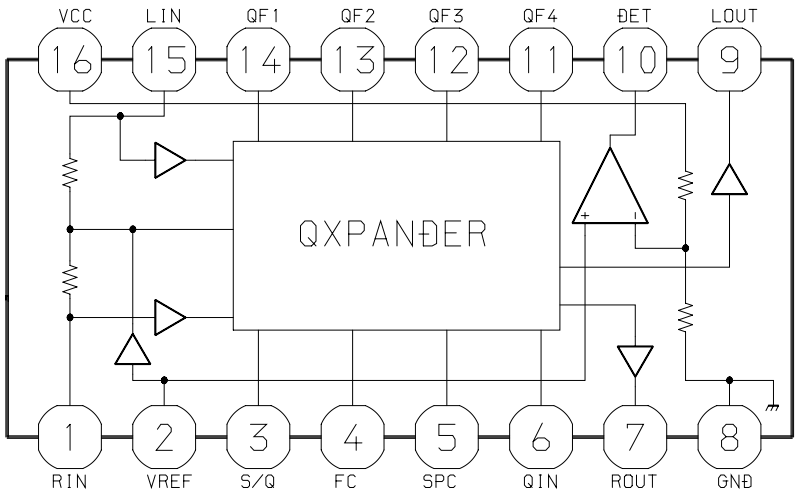
IC, TA2111N



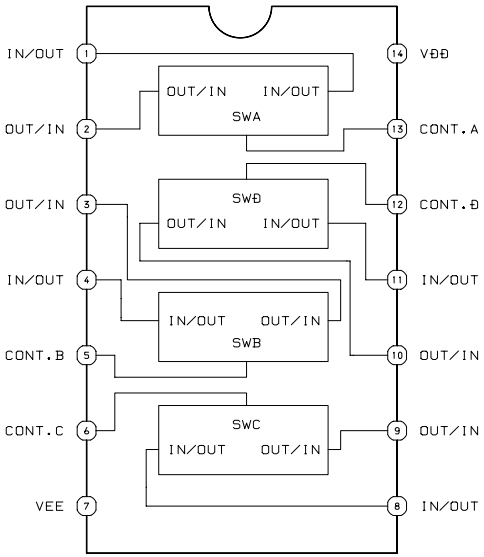
IC, BA3308



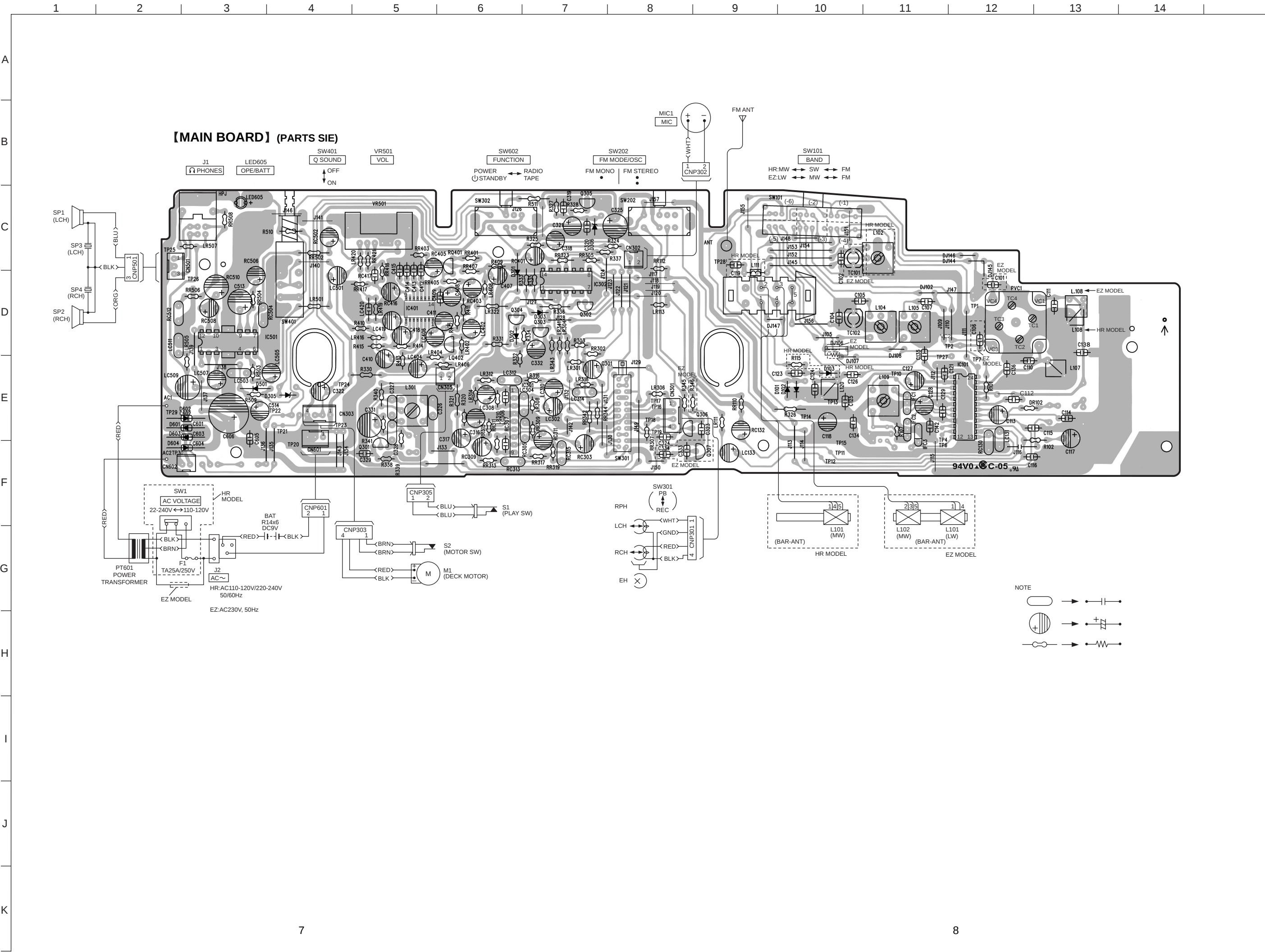
IC, MM1434XF



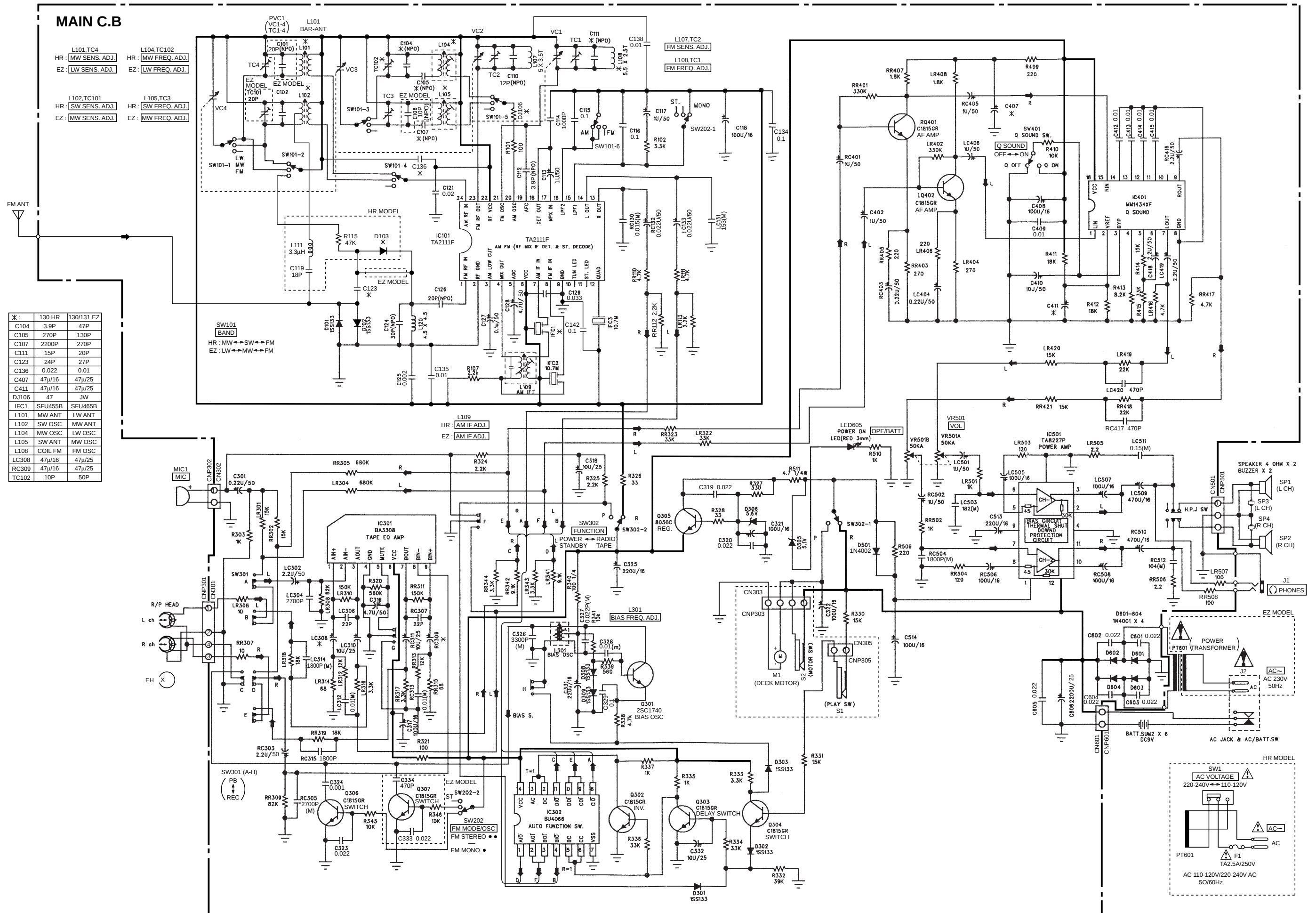
IC, BU4066



WIRING



SCHEMATIC DIAGRAM



VOLTAGE CHART

1 IC101 TA2111N AM / FM(RF MIX IF DET & ST Decodee)

PIN	1	2	3	4	5	6	7	8	9	10	11	12
FM (v)	0.8	GND	0.2	3.9	0.5	4.7	4.2	4.7	GND	0	4	3.9
AM (v)	0	GND	1	4.7	0.2	4.9	4.2	4.9	GND	0	0	4.3
PIN	13	14	15	16	17	18	19	20	21	22	23	24
FM (v)	1.2	1.2	4	3.8	0.7	1.4	0.2	4.7	4.8	4.7	4.7	4.7
AM (v)	1.2	1.2	4.2	5.1	0.7	1	1	4.9	4.9	4.9	4.9	4.9

2 IC301 BA3308 or KA22241 Tape EO Amp

PIN	1	2	3	4	5	6	7	8	9
TAPE (v)	1.8	0	1.8	GND	0	4.7	1.8	0	1.8
REC (v)	1.8	0	1.8	GND	0.6	4.7	1.8	0	1.8

3 IC302 BU4066 Auto Function Sw

PIN	1	2	3	4	5	6	7
TAPE (v)	0	0	0	0	0	0	0
RADIO(v)	0	0	0	0	4.8	4.8	0
PIN	8	9	10	11	12	13	14
TAPE (v)	0	0	0	0	4.9	4.9	4.9
RADIO(v)	0	0	0	0	0	0	4.9

4 IC401 MM1434XF Q Sound

PIN	1	2	3	4	5	6	7	8
Q Sound ON (v)	2.5	2.5	3.4	1.6	2.5	2.5	2.5	0
Q Sound OFF(v)	2.5	2.5	0	1.6	2.5	2.5	2.5	0
PIN	9	10	11	12	13	14	15	16
Q Sound ON (v)	2.5	0	3.2	3.3	3.2	3.3	2.5	5
Q Sound OFF(v)	2.5	0	3.2	3.3	3.2	3.3	2.5	5

5 IC501 TA8227P Power Amp

PIN	1	2	3	4	5	6	7	8	9	10	11	12
TAPE (V)	8.3	4.3	8	0	0.6	0	0	0.6	4.7	8	4.3	9
RADIO (v)	8.3	4.3	8	0	0.6	0	0	0.6	4.7	8	4.3	9

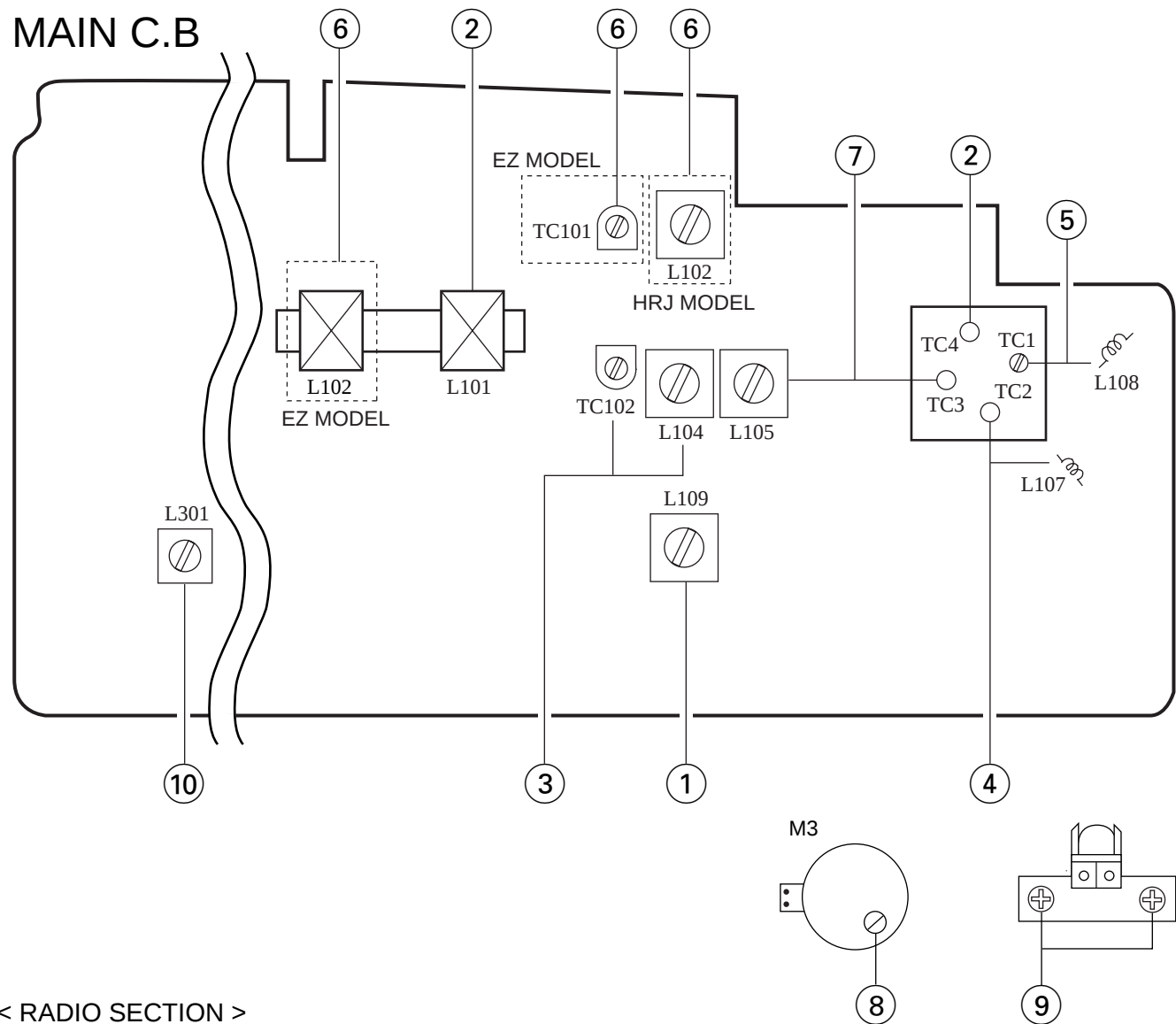
Q301	C1740S			Q302	C1815GR			Q303	C1815GR		
Pin	E	C	B	Pin	E	C	B	Pin	E	C	B
Tape (v)	4.7	4.9	1.1	Tape (v)	0	5	0	Tape (v)	0	0	0.7
Rec (v)	0	2.99	0.7	Radio (v)	0	0	0.7	Radio (v)	0	4.8	0

Q304	C1815GR			Q305	S8050C			Q306	C1815GR		
Pin	E	C	B	Pin	E	B	C	Pin	E	C	B
Tape (v)	5	5	5.6	Tape (v)	5	5.6	8.8	Beat cut ON(v)	0	0.8	0.6
Radio (v)	0	5	0	Radio (v)	5	5.6	8.8	Beat cut OF (v)	0	13	0

Q307	C1815GR			RQ401	C1815GR			LQ402	C1815GR		
Pin	E	C	B	Pin	E	C	B	Pin	E	C	B
Beat cut ON(v)	0	0	0.6	Tape (v)	0	2.5	0.9	Tape (v)	0.3	2.5	0.9
Beat cut OF (v)	0	11.4	0	Radio (v)	0	2.5	0.9	Radio (v)	0.3	2.5	0.9

ELECTRICAL ADJUSTMENT

MAIN C.B



< RADIO SECTION >

(HRJ MODEL)

1. MW/SW IF Adjustment
L109 455kHz
2. MW Tracking Adjustment
L101 600kHz
TC4..... 1400kHz
3. MW Frequency Range Adjustment
L104 515kHz
TC102..... 1650kHz
4. FM Tracking Adjustment
L107 88MHz
TC2..... 106MHz
5. FM Frequency Range Adjustment
L108 87MHz
TC1..... 109MHz
6. SW Tracking Adjustment
L102 4MHz
7. SW Frequency Range Adjustment
L105 3.8MHz
TC3..... 12.5MHz

(EZ MODEL)

1. MW/SW IF Adjustment
L109 465kHz
2. LW Tracking Adjustment
L101 160kHz
TC4..... 295kHz
3. LW Frequency Range Adjustment
L104 145kHz
TC102..... 295kHz
4. FM Tracking Adjustment
L107 88MHz
TC2..... 106MHz
5. FM Frequency Range Adjustment
L108 87MHz
TC1..... 108MHz
6. MW Tracking Adjustment
L102 600kHz
TC101..... 1400kHz
7. MW Frequency Range Adjustment
L105 515kHz
TC3..... 1635kHz

< TAPE RECORDER SECTION >

(ALL MODEL)

8. Tape speed Adjustment
Condition: • Test tape: TTA-100
• Test point: PHONES JACK
• Adjustment location: SFR of deck motor
Method: Play back the test tape and adjust so that the output frequency is 3000Hz.
9. Azimuth Adjustment
Condition: • Test tape: TTA-320
• Test point: PHONES JACK
• Adjustment location: Azimuth adjustment screw
Method: Play back the test tape and adjust so that the output is maximum.
10. AC Bias Adjustment
Condition: • Test tape: TTA-630
• Test point: TP1
• Adjustment location: L301
Method: Set up the recording mode. Adjust L301 so that the TP1 becomes 70kHz.

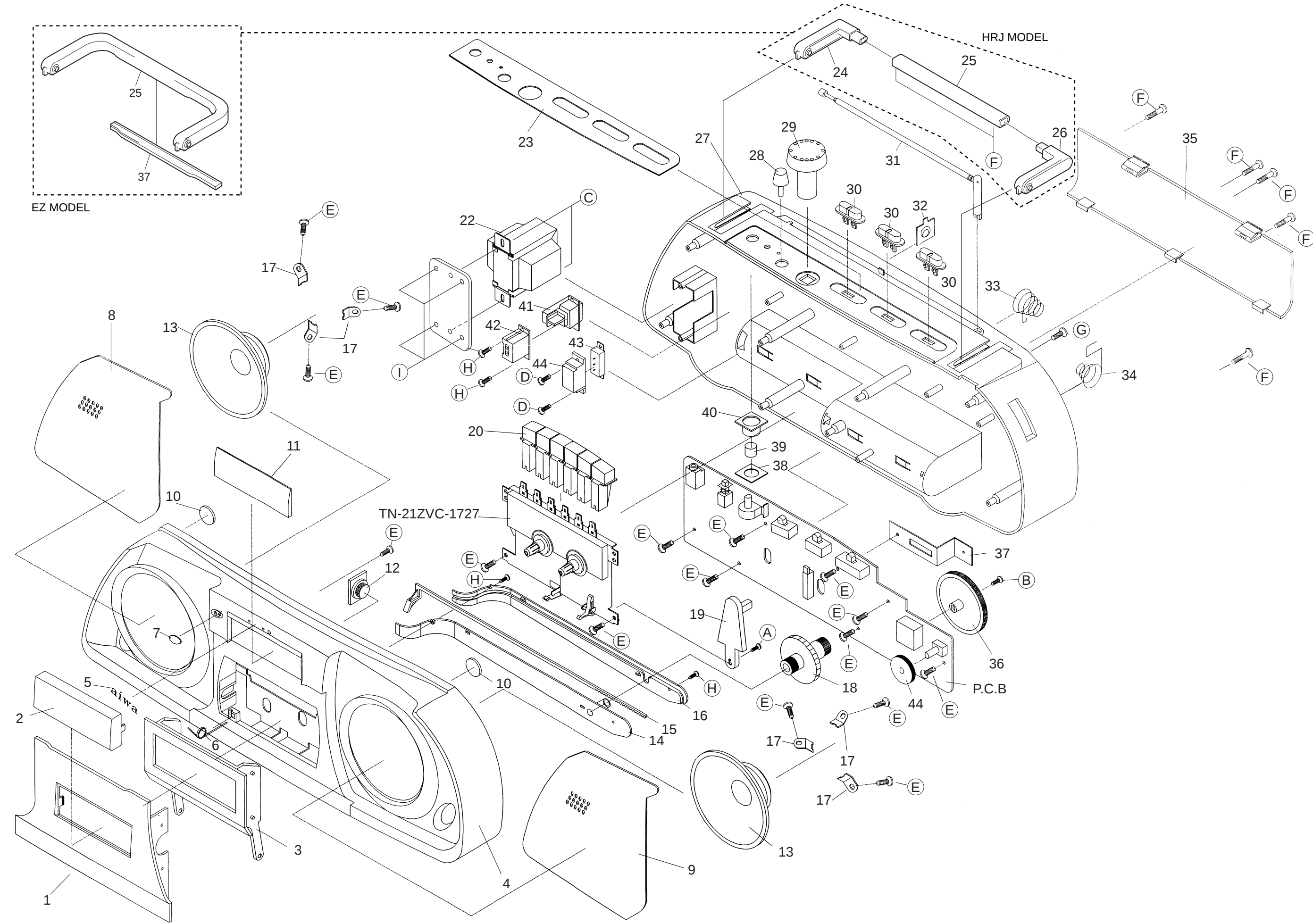
PRACTICAL SERVICE FIGURE

< RADIO SECTION >

- Sensitivity:
(IHF, THD 3%)
(S/N 20dB)
(S/N 20dB)
- FM Less than 25dB
MW Less than 60dB
LW Less than 66dB (200kHz)
<EZ>
SW Less than 40dB (8MHz)
<HRJ>
- Intermediate frequency:
FM 10.7MHz
AM 455kHz
- FM stereo separation:
More than 20dB (1kHz)

< TAPE RECORDER SECTION >

- Distortion:
Less than 3% (PB, 1kHz)
Less than 8% (REC/PB, 1kHz)
- S/N ratio:
More than 40dB
(PB, REC/PB, AC, DC)
More than 30dB
- Erasing ratio:
Wow & Flutter:
Take-Up Torque:
F.F & REW Torque:
Test tape:
- Less than 0.35% (RMS)
20-60g-cm (FWD, REV)
55-120g-cm
TTA-100
NORMAL TTA-602
TTA-210
TTA-257



MECHANICAL PARTS LIST 1/1

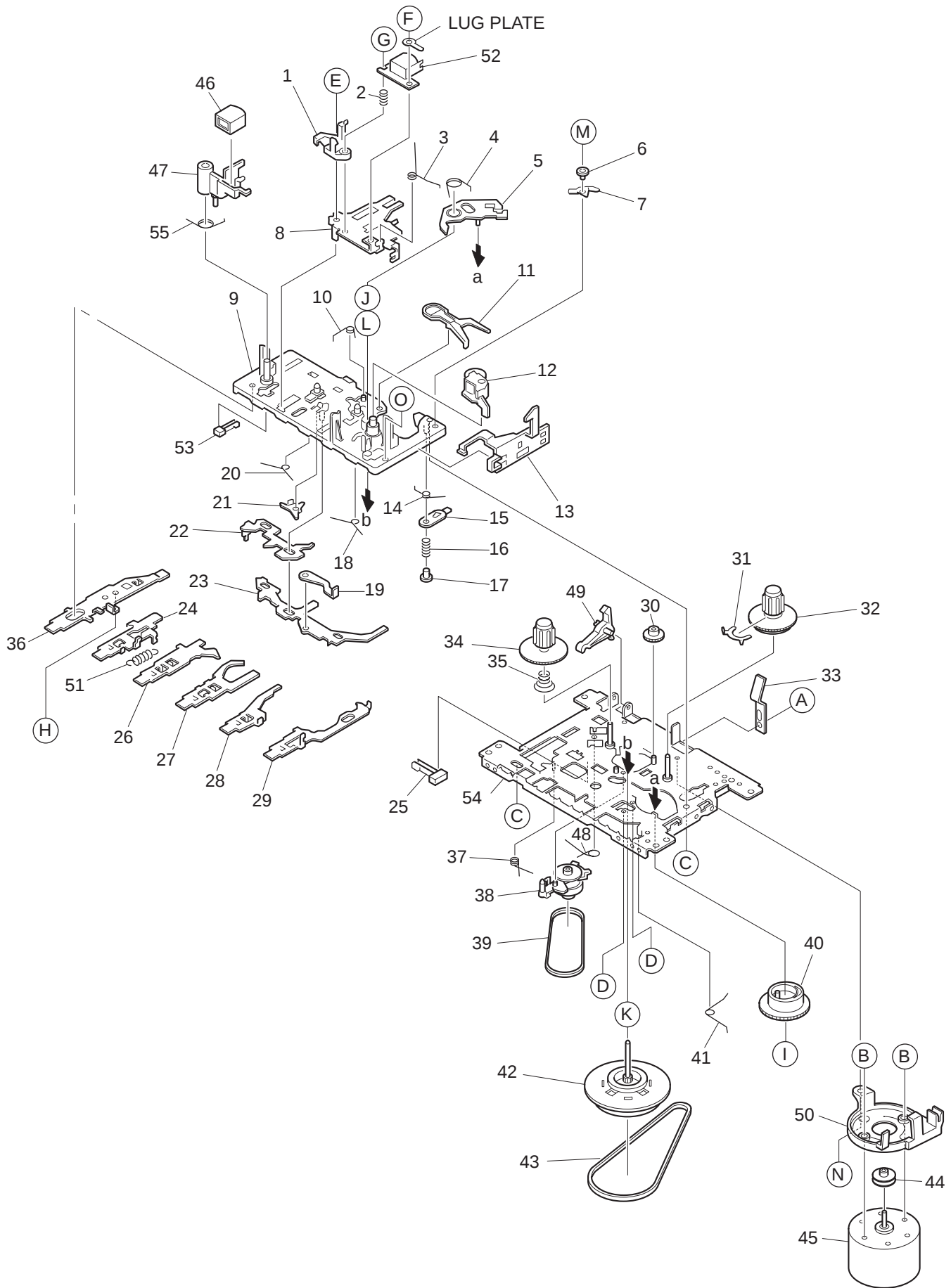
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REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-CS4-003-010		LID, CASS<HRJ, 130EZ>	25	8Z-CS3-016-010		HANDL, <130EZ>
1	8Z-CS4-030-010		LID, CASS B<131E>	25	8Z-CS4-036-010		HANDL, B<131E>
2	8Z-CS4-004-010		WINDOW, CASS	25	8Z-CS3-040-010		HANDL, BAR<HRJ>
3	8Z-CS3-004-010		BOX, CASS<HRJ, 130EZ>	26	8Z-CS3-039-010		ARM, HANDL R<HRJ>
3	8Z-CS4-031-010		BOX, CASS B<131E>	27	8Z-CS4-017-010		CABI, REAR B EZ<131E>
4	8Z-CS4-007-010		CABI, FR B EX<131E>	27	8Z-CS4-013-010		CABI, REAR EZ<130EZ>
4	8Z-CS4-006-010		CABI, FR EX<HRJ, 130EZ>	27	8Z-CS4-015-010		CABI, REAR HR<HRJ>
5	84-CD8-083-010		AIWA BADGE	28	8Z-CS3-012-010		BTN, QSOUND
6	8Z-CS3-206-010		SPR, CASS	29	8Z-CS3-013-010		KNOB, RTRY VOL
7	8Z-CS4-001-010		WINDOW, DIR<HRJ, 130EZ>	30	8Z-CS3-011-010		KNOB, SL
7	8Z-CS4-040-010		WINDOW, DIR B<131E>	31	8Z-CS3-627-010		ANT, ROD ZCS-3/4
8	8Z-CS3-019-010		GRILLE, SP L<HRJ, 130EZ>	32	8Z-CS3-207-010		SPR, BATT -
8	8Z-CS4-038-010		GRILLE, SP L B<131E>	33	8Z-CS3-208-010		SPR, BATT +
9	8Z-CS3-020-010		GRILLE, SP R<HRJ, 130EZ>	34	8Z-CS3-209-010		SPR, BATT +/-
9	8Z-CS4-039-010		GRILLE, SP R B<131E>	35	8Z-CS3-008-010		LID, BATT<HRJ, 130EZ>
10	S7-BB2-030-000		CERAMIC BUZZER	35	8Z-CS4-032-010		LID, BATT B<131E>
11	8Z-CS3-033-010		WINDOW, TU EZ<131E, 130EZ>	36	S1-027-000-101		DIAL DRUM
11	8Z-CS3-035-010		WINDOW, TU HR<HRJ>	37	8Z-CS4-037-010		COVER, HANDL B<131E>
12	S3-004-161-000		DAMPER	38	S3-003-931-000		HLDR, MIC
13	8Z-CS3-606-010		SPKR, 40HM ZCS-3/4	39	8Z-CS3-628-010		MIC, ZCS-3
14	8Z-CS3-203-010		GUIDE, POINTER A	40	S2-004-971-000		MIC PLATE
15	8Z-CS3-007-010		POINTER, TU	41	S2-3C0-072-000		AC SOCKET VDE
16	8Z-CS3-204-010		GUIDE, POINTER B	42	S1-014-991-000		AC JACK COVER
17	S2-017-680-101		HLDR, SPKR	43	8Z-CS3-626-010		SW, AC SELECT<HRJ>
18	8Z-CS3-009-010		KNOB, RTRY TU<HRJ, 130EZ>	44	S1-015-171-000		POWER SWITCH COVER<HRJ>
18	8Z-CS4-033-010		KNOB, RTRY TU B<131E>	A	87-261-034-410		V+2-5
19	8Z-CS4-201-010		LEVER, REC 1WAY	B	87-743-073-410		UT2+2, 6-6
20	8Z-CS4-002-010		KEY, CASS<HRJ, 130EZ>	C	87-513-094-210		VFT2+3-6
20	8Z-CS4-035-010		KEY, CASS B<131E>	D	87-743-074-410		UT2+2, 6-8
21	S2-017-610-101		HLDR, PT	E	87-651-095-410		VT1+3-8 GLD
22	8Z-CS3-625-010		PT, EZ ZCS-3/4<131E, 130EZ>	F	87-651-102-410		VT1+3-20 GLD
22	8Z-CS3-624-010		PT, H ZCS-3/4<HRJ>	G	87-624-096-410		QT1+3-10 CR
23	8Z-CS3-043-010		PLATE, TOP EZ<131E, 130EZ>	H	87-651-076-410		VT1+2, 6-12 ZN
23	8Z-CS3-045-010		PLATE, TOP HR<HRJ>	I	87-661-097-410		TAPPING SCREW, VFT1+3-12
24	8Z-CS3-038-010		ARM, HANDL L<HRJ>				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

TAPE MECHANISM EXPLODED VIEW 1/1



TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S1-921-030-4A0		HEAD BASE	36	S1-921-140-030		REC BUTTON LEVER
2	S1-821-030-070		AZIMUTH SPRING	37	S1-921-140-170		P.S. LEVER SPRING
3	S1-921-030-090		PANEL P SPRING	38	S1-921-073-040		RF CLUTCH ASSY
4	S1-921-260-050		GEAR PLATE SPRING	39	S1-921-070-030		RF BELT
5	S1-921-265-020		GEAR PLATE ASSY	40	S1-921-260-020		CAM GEAR
6	S1-921-140-370		P ARM COLLER	41	S1-921-140-160		E ACTUATOR SPRING
7	S1-921-140-340		P ARM	42	S1-921-093-030		FLYWHEEL ASSY
8	S1-921-030-110		HEAD PANEL	43	S1-921-090-040		MAIN BBELT
9	S1-921-143-010		BASE ASSY	44	S1-921-120-010		MOTOR PULLEY
10	S1-921-141-8A0		M CONTROL SPRING	45	S6-002-020-170		MOTOR EG-530AD-9B
11	S1-921-260-4A0		SENSING LEVER	46	S6-209-100-100		E HEAD PH-K380-MS1
12	S1-921-043-090		PINCH ROLLER ARM ASY	47	S1-921-030-050		MG ARM
13	S1-921-130-010		EJECT SLIDE LEVER	48	S1-921-140-210		REC BUTTON LEVER SPRING
14	S1-921-141-3A0		P CONTROL SPRING	49	S1-821-100-690		RECORD SAFETY LEVER
15	S1-921-140-550		PAUSE LEVER(E)	50	S1-821-128-9A0		MOTOR BRACKET
16	S1-921-140-120		PAUSE LEVER SPRING	51	S1-821-010-500		PLAY BUTTON LEVER SPRING
17	S1-921-140-110		PAUSE STOPPER	52	S6-202-010-750		R.P HEAD
18	S1-921-140-150		BUTTON LEVER SPRING(B)	53	S6-401-011-490		LEAF SW MSW-1541T
19	S1-821-011-590		E KICK LEVER	54	S1-921-015-010		CHASSIS ASSY
20	S1-921-140-140		BUTTON LEVER SPRING(A)	55	S1-921-030-100		MG ARM SPRING
21	S1-921-140-200		PR STOPPER	A	S9-P33-200-320		DEL TITE SCREWM2-3
22	S1-921-140-090		SWITCH ACTUATOR	B	S1-921-120-020		MOTOR COLLER SCREW
23	S1-921-140-080		PUSH BUTTON ACTUATOR	C	S9-679-000-000		P TAP SCREW M2-5
24	S1-921-140-190		PLAY BUTTON LEVER	D	S9-999-180-090		TAP SCREW M2-4.5
25	S6-401-011-610		LEAF SW MSW-17820MVEI	E	S9-004-000-000		SCREW M2-6
26	S1-921-140-040		REW BUTTON LEVER	F	S9-115-000-000		+ BIND SCREW M2-3
27	S1-921-140-050		FF BUTTON LEVER	G	S9-922-000-000		AZIMUTH SCREW M2-8
28	S1-921-140-060		STOP BUTTON LEVER	H	S9-P04-200-310		C TAPPING SCREW 2-3
29	S1-921-140-600		PAUSE BUTTON LEVER	I	S9-422-000-000		P WASHER CUT 12-3.8-0.3
30	S1-821-100-700		FF GEAR	J	S9-999-030-130		P WASHER CUT 1.45-3.8-0.
31	S1-921-050-060		SENSOR	K	S9-882-000-000		P WASHER 2-3.5-0.4
32	S1-921-053-030		TAKE UP REEL ASSY	L	S9-999-000-030		P WASHER2.1-4-0.13
33	S1-829-100-010		PACK SPRING	M	S9-999-200-410		P TAP SCREW M2-3
34	S1-921-053-040		SUPPLY REEL ASSY	N	S1-921-120-030		MB SCREW
35	S1-821-100-990		BACK TENSION SPRING	O	S9-P05-200-610		S TAPPING SCREWM2-6



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