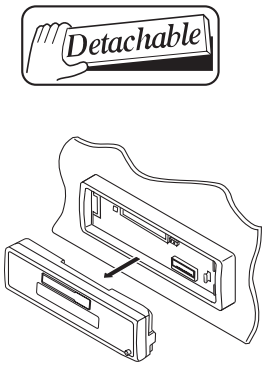
JVC

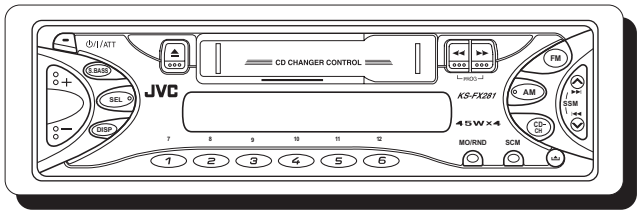
SERVICE MANUAL

CASSETTE RECEIVER

KS-FX281

Area Suffix
UF ---------- China





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No.49869
2003/10

SPECIFICATION

AUDIO AMPLIFIER SECTION			
Maximum Power Output	Front		45 W per channel
	Rear		45 W per channel
	Continuous Power Output (RMS)	Front	17 W per channel into 4 Ω 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
		Rear	17 W per channel into 4 Ω 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
	Load Impedance		4 Ω (4 Ω to 8 Ω allowance)
	Tone Control Range	Bass	±10 dB at 100 Hz
		Treble	±10 dB at 10 kHz
	Frequency Response		40 Hz to 20 000 Hz
	Signal-to-Noise Ratio		70 dB
	Line-Out Level/Impedance		2.0 V/20 kΩ load (250 nWb/m)
TUNER SECTION			
Frequency Range	FM		87.5 MHz to 108.0 MHz
	AM		531 kHz to 1 602 kHz
	[FM Tuner]	Usable Sensitivity	11.3 dBf (1.0 μV/75 Ω)
		50 dB Quieting Sensitivity	16.3 dBf (1.8 μV/75 Ω)
		Alternate Channel Selectivity (400 kHz)	65 dB
		Frequency Response	40 Hz to 15 000 Hz
		Stereo Separation	35 dB
		Capture Ratio	2.0 dB
	[AM Tuner]	Sensitivity	20 μV
		Selectivity	35 dB
CASSETTE DECK SECTION			
Wow & Flutter			0.15% (WRMS)
Fast-Wind Time			190 sec. (C-60)
Frequency Response			50 Hz to 14 000 Hz(Normal tape)
Signal-to-Noise Ratio			52 dB
Stereo Separation			40 dB
GENERAL			
Power Requirement	Operating Voltage		DC 14.4 V(11 V to 16 V allowance)
Grounding System			Negative ground
Allowable Operating Temperature			0ºC to +40ºC
Dimensions (W × H × D)	Installation Size (approx.)		182 mm × 52 mm × 150 mm
	Panel Size (approx.)		188 mm × 58 mm × 11 mm
Mass (approx.)			1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

> ⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body

3.1.1 Removing the front panel assembly (See Fig.1)

(1) Press the release button and remove the front panel assembly.

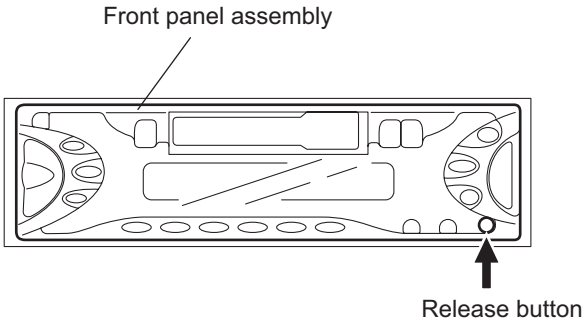


Fig.1

3.1.2 Removing the bottom cover (See Fig.2)

- Prior to performing the following procedure, remove the front panel assembly.

(1) Turn the body upside down.

(2) Insert a screwdriver under the joints to release the two joints **a** on the left side, the two joints **b** on the right side and the joint **c** on the back of the body, then remove the bottom cover from the body.

CAUTION:

When releasing the joint **c** using a screwdriver, do not damage the board.

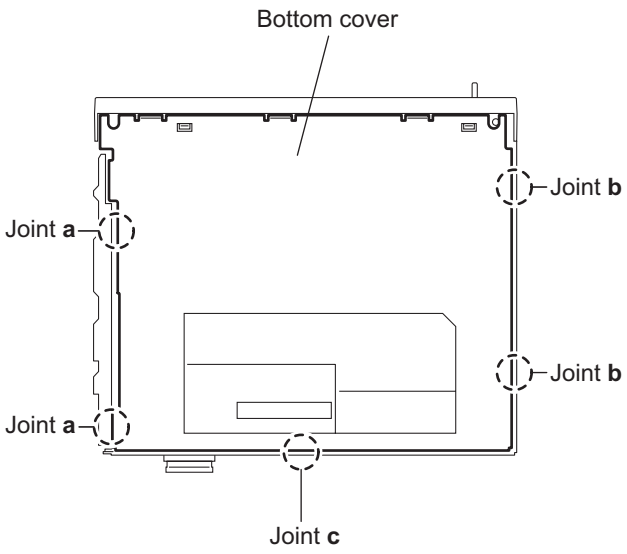


Fig.2

3.1.3 Removing the front chassis (See Fig.3)

- Prior to performing the following procedure, remove the front panel assembly and bottom cover.

(1) Remove the two screws **A** on each side of the body.

(2) Release the two joints **d** and the two joints **e** on the sides, then remove the front chassis toward the front.

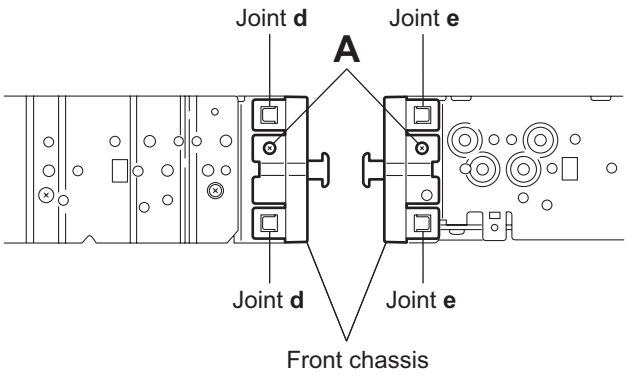


Fig.3

3.1.4 Removing the heat sink (See Fig.4)

- Prior to performing the following procedure, remove the front panel assembly.
  (1) Remove the screw **B** and two screws **C** attaching the heat sink on the left side of the body, and remove the heat sink.

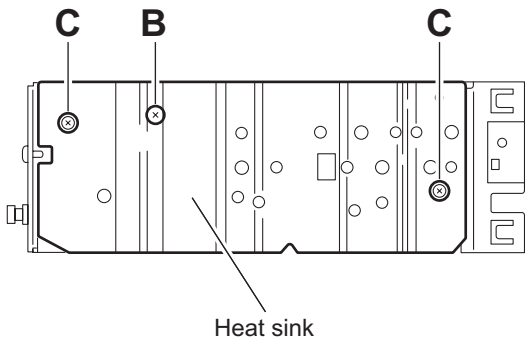


Fig.4

3.1.5 Removing the rear panel (See Fig.5)

- Prior to performing the following procedure, remove the front panel assembly and bottom cover.
  (1) Remove the two screws **D**, two screws **E** and three screws **F** attaching the rear panel on the back of the body.

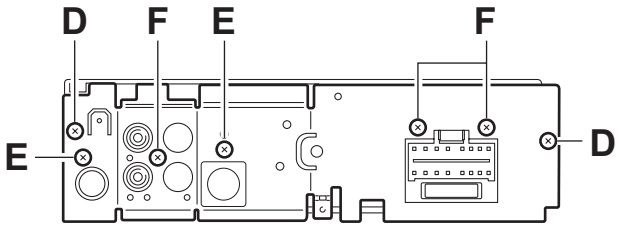


Fig.5

3.1.6 Removing the main board (See Fig.6)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink and rear panel.
  (1) Remove the two screws **G** attaching the main board on the top chassis.
  (2) Disconnect the two connectors CN901 and CN721 on the main board from the cassette mechanism assembly.

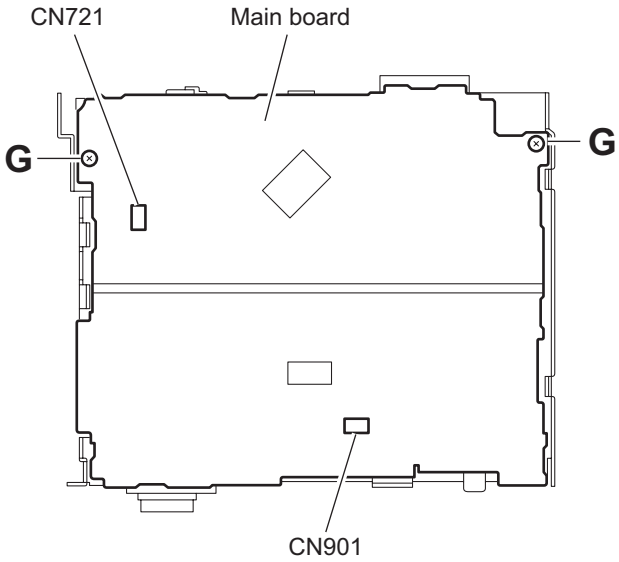


Fig.6

3.1.7 Removing the cassette mechanism assembly (See Fig.7)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink, rear panel and main board.
  (1) Remove the four screws **H** attaching the cassette mechanism assembly from the top chassis.

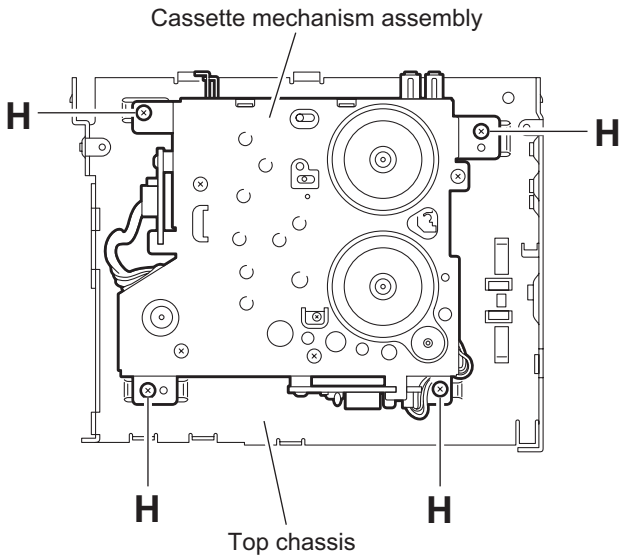


Fig.7

3.1.8 Removing the head amplifier board (See Fig.8)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink, rear panel, main board and cassette mechanism assembly.
  (1) Disconnect the wire from CJ901 on the head amplifier board.
  (2) Remove the one screw **J** attaching the head amplifier board.
  (3) Move the head amplifier board in the direction of the arrow to release the two joints **f**, the head amplifier board can be removed.

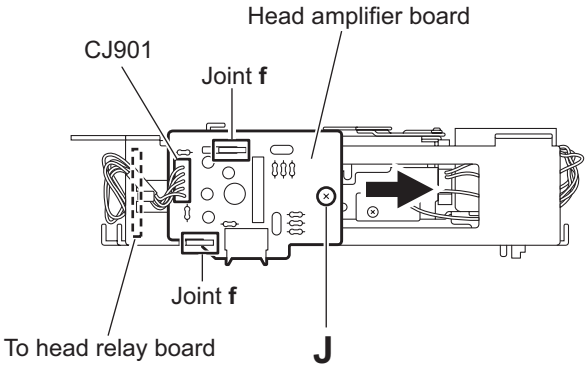


Fig.8

3.1.9 Removing the relay board (See Fig.9)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink, rear panel, main board and cassette mechanism assembly.
  (1) Disconnect the wire from CP722 on the relay board.
  (2) Remove the one screw **K** attaching the relay board.
  (3) Move the relay board in the direction of the arrow to release the joint **g**, the relay board can be removed.

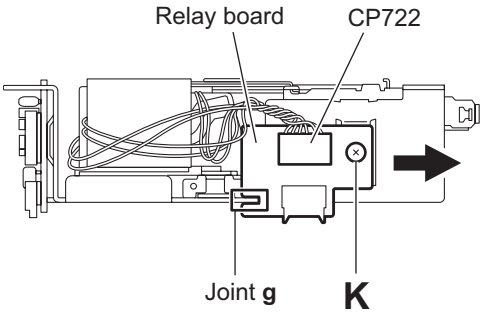


Fig.9

3.1.10 Removing the mecha bracket (See Fig.10)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis, heat sink, rear panel, main board, cassette mechanism assembly, head amplifier board and relay board.
  (1) Remove the four screws **L** attaching the mecha bracket.

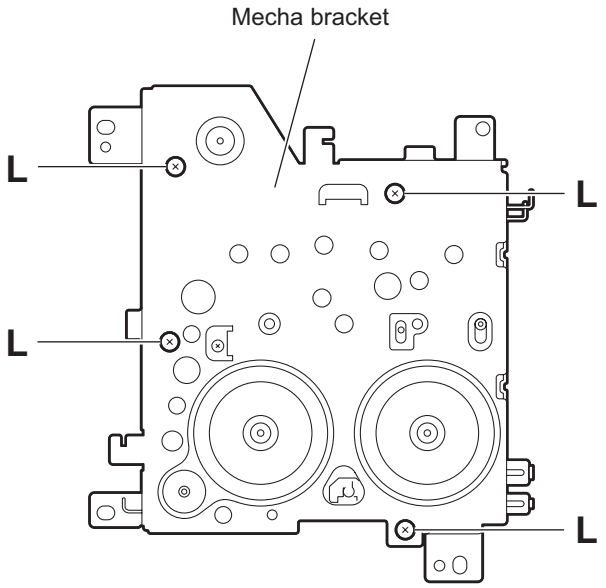


Fig.10

3.1.11 Removing the switch (LCD & key) board (See Fig.11 to 13)

- Prior to performing the following procedure, remove the front panel assembly.
  (1) Remove the four screws **M** attaching the rear cover on the back of the front panel assembly.
  (2) Release the eleven joints **h**, the front panel and the rear cover become separate.
  (3) Remove the switch board from the rear cover.

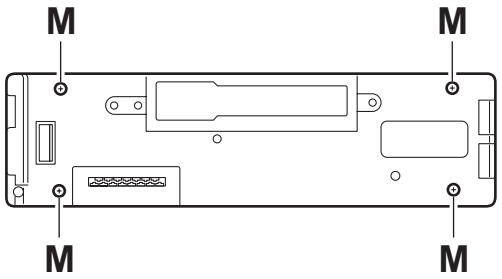


Fig.11

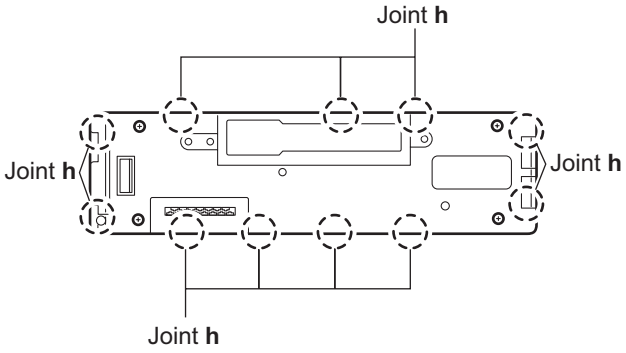


Fig.12

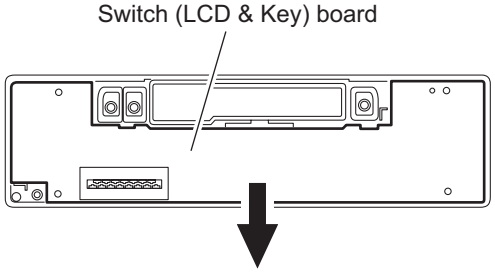


Fig.13

3.2 Cassette mechanism assembly

- Prior to performing the following procedures, remove the head amplifier board, the relay board and the mechanism bracket.

3.2.1 Removing the direction switch board (See Fig.1)

(1) Unsolder the three wires **a** on the direction switch board.
(2) Remove the one screw **A** attaching the direction switch board.

3.2.2 Removing the FF / REW lever assembly (See Fig.1)

(1) Remove the screw **B** attaching the FF / REW lever assembly on the back of the cassette mechanism assembly.
(2) Remove the screw **C** on the upper side of the FF / REW lever assembly.
(3) Lift and pull forward the FF / REW lever assembly to disengage the joints **b**, **c**, **d** and **e**.

3.2.3 Reattaching the FF / REW lever assembly (See Fig.1)

(1) Reattach the FF / REW lever assembly to the joint **c** on the back of the chassis.
(2) Reattach the pinch-roller shaft **e**, the change lever **d** and the return link **e** to the chassis.

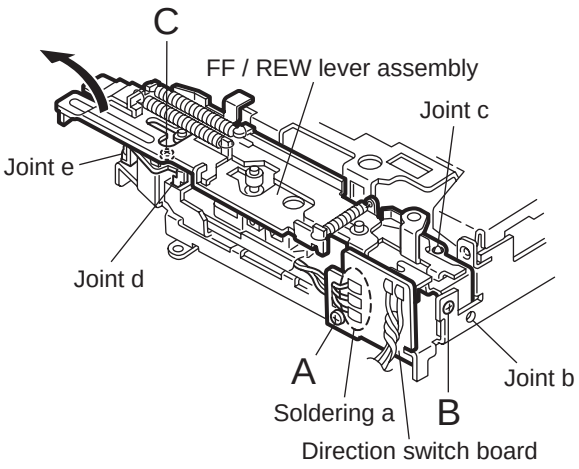


Fig.1

3.2.4 Removing the playback head (See Fig.2)

- Prior to performing the following procedure, remove the direction switch board and the FF / REW lever assembly.
(1) Remove the screw **D** attaching the playback head.
(2) Remove the **C** washer and pull out the FF roller.
(3) Remove the **S** support plate, the A arm spring **(a)** and **(b)**, the playback head.

ATTENTION:
The A arm spring **(a)** differs from the A arm spring **(b)**.

3.2.5 Removing the pinch-roller (R) and (F) assembly (See Fig.2)

- Prior to performing the following procedure, remove the direction switch board and the FF / REW lever assembly.
(1) Remove the P arm spring **(f)** in the pinch-roller **(F)** assembly from the chassis.
(2) Remove the P arm spring **(r)** in the pinch-roller **(R)** assembly from the chassis.
(3) Draw out the pinch roller **(F)** and **(R)** assembly from the shaft.

ATTENTION:
The P arm spring **(f)** differs from the P arm spring **(r)**.

ATTENTION:
The pinch roller **(F)** assembly differs from the pinch roller **(R)** assembly.

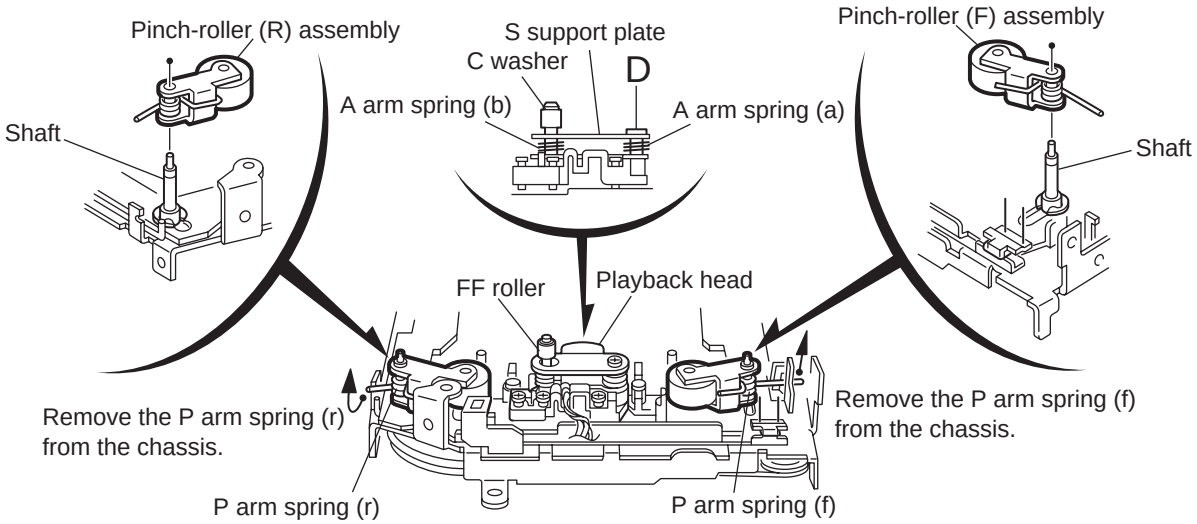


Fig.2

3.2.6 Removing the cassette hanger / cassette holder (See Fig.3)

- Prior to performing the following procedure, remove the FF / REW lever assembly.
  (1) From the rear of the unit, bend the two tabs **f** outwards and disengage the two joints **g** in the direction of the arrow.
  (2) Push the eject lever and remove the cassette holder from the playback head. Disengage the two joints **h** of the cassette hanger / cassette holder and the eject lever in the direction of the arrow.
  (3) Lift the cassette hanger / cassette holder and disengage the joint i of the return link and the eject lever.

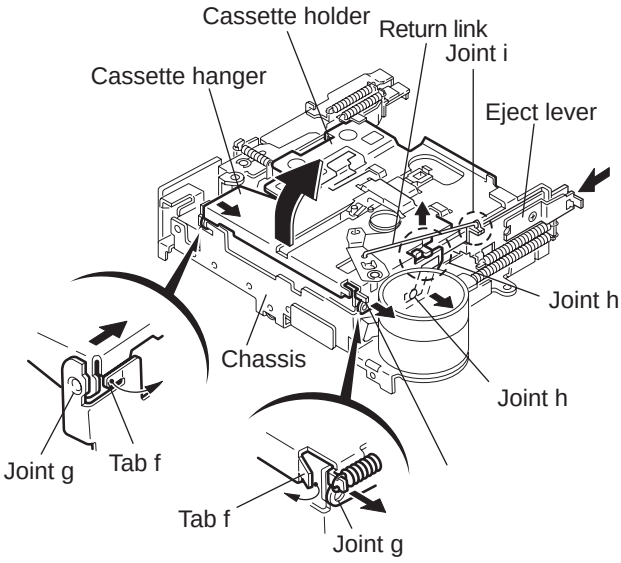


Fig.3

3.2.7 Removing the reel disc assembly (See Fig.4)

- Prior to performing the following procedure, remove the FF / REW lever assembly and the cassette hanger / cassette holder.
  (1) Remove the C washer and pull out reel disc assembly.

ATTENTION:
Replace with a new C washer when reattaching.

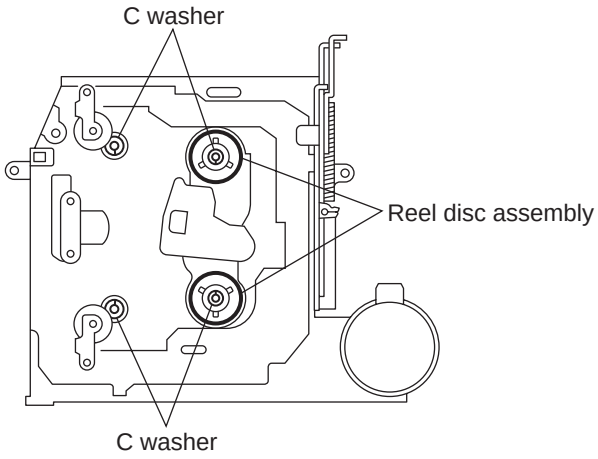


Fig.4

3.2.8 Removing the motor assembly (See Fig.5)

(1) Unsolder the two wires **j** on the motor assembly.
(2) Turn over the cassette mechanism assembly and remove the main belt and the sub-belt from the motor pulley.

ATTENTION:
The main belt can now be removed.

(3) Remove the two screws **G** attaching the motor assembly.

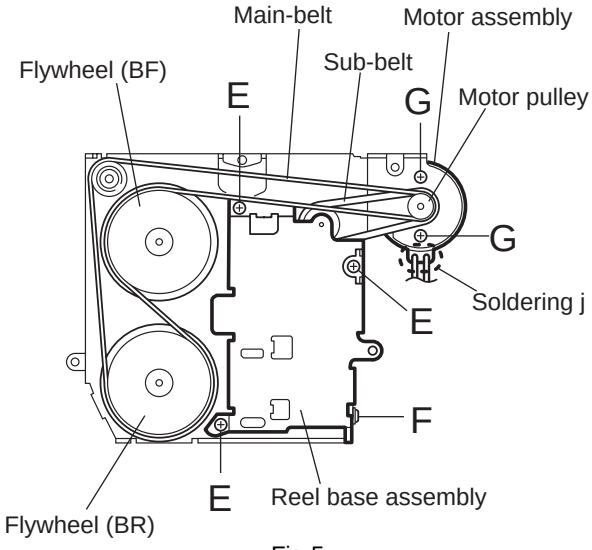


Fig.5

3.2.9 Removing the Flywheel (BF) and (BR) assembly (See Fig.4 and 5)

- Prior to performing the following procedure, remove the cassette hanger / cassette holder.
  (1) From the upper side of the cassette mechanism assembly, remove the C washer from each shaft of the flywheel **(BF)** and **(BR)**.
  (2) Turn over the cassette mechanism assembly and remove the main belt. Pull out the flywheel **(BF)** and **(BR)** downward respectively.

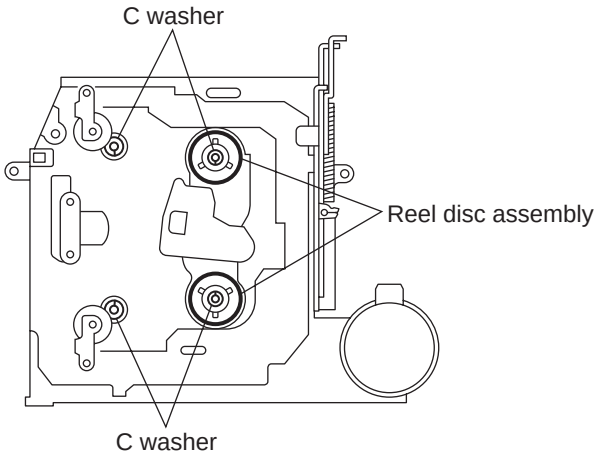


Fig.4

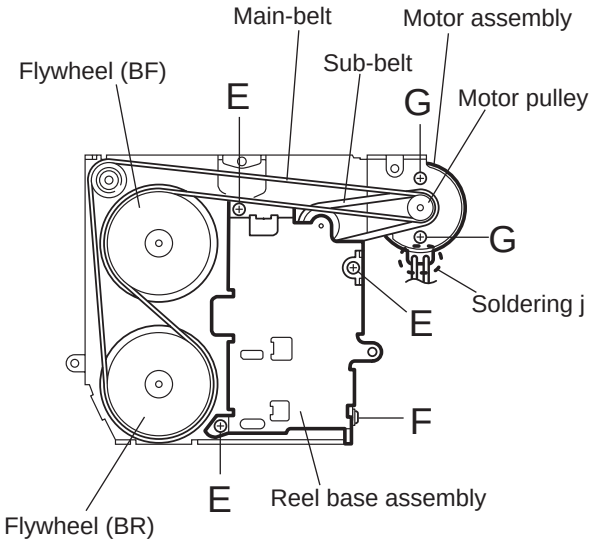


Fig.5

3.2.10 Removing the reel base assembly (See Fig.5 and 6)

(1) Raise the part **k** of the reel base assembly slightly and remove the selector link **(B)** on the front side of the cassette mechanism assembly by turning it as shown in Fig.6.
(2) Remove the three screws **E** and the one screw **F** on the underside of the cassette mechanism assembly.

ATTENTION:

The reel base assembly is not repairable. Handle with care.

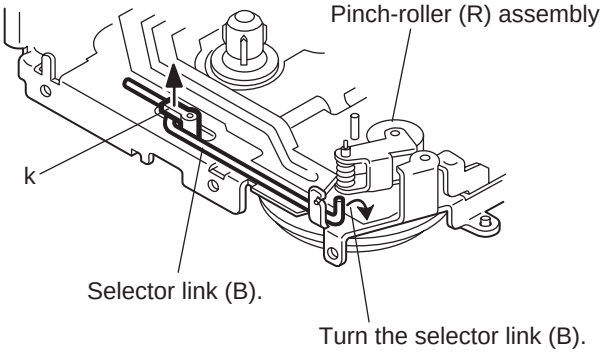


Fig.6

Inside of the reel base assembly

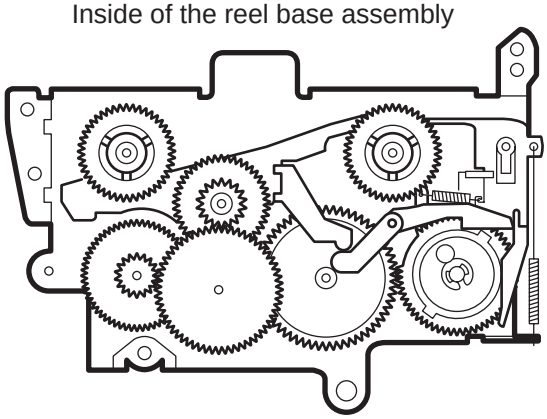


Fig.7

3.2.11 Removing the mute switch board (See Fig.8)

(1) Unsolder the two wires **l** on the mute switch board on the back of the cassette mechanism assembly.
(2) Remove the screw **H** attaching the mute switch board.

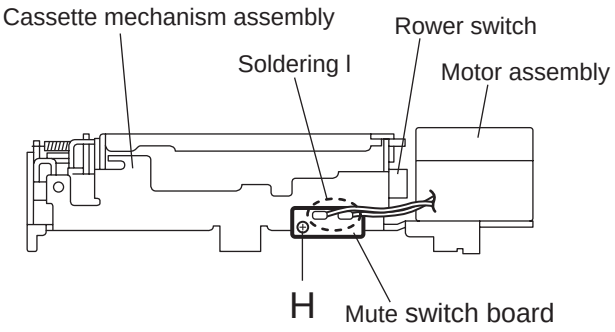


Fig.8

3.2.12 Removing the power switch (See Fig.9)

- Prior to performing the following procedure, remove the motor assembly.

(1) Unsolder the two wires **m** on the power switch on the side of the cassette mechanism assembly.
(2) Remove the screw **l** attaching the power switch.

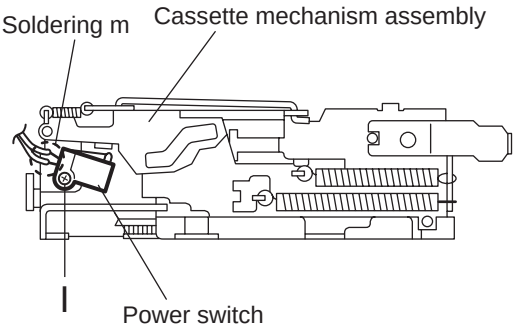


Fig.9

SECTION 4
Adjustment

4.1 Adjustment method

■ **Test instruments required for adjustment**

(1) Digital oscilloscope (100MHz)
(2) Frequency counter meter
(3) Electric voltmeter
(4) Wow & flutter meter
(5) Test tapes
- VT724.....For DOLBY level measurement
- VT739.....For playback frequency measurement
- VT712....For wow flutter & tape speed measurement
- VT703.....For head azimuth measurement

(6) Torque gauge.....Cassette type for CTG-N

■ **Standard volume position**

Balance and Bass, Treble volume, Fader : Center (Indication "0")
Loudness, Dolby NR, Sound, Cruise : Off
Volume position is about 2V at speaker output with following conditions, Playback the test tape VT721.

AM mode	999kHz/62dB, INT/400Hz, 30% modulation signal on receiving.
FM mono mode	97.9MHz/66dB, INT/400Hz, 22.5kHz deviation pilot off mono
FM stereo mode	1kHz, 67.5kHz dev. pilot 7.5kHz dev.
Output level	0dB (1μV,50Ω/open terminal)

■ **Measuring conditions (Amplifier section)**

- Power supply voltage..... DC14.4V (11V to 16V allowance)
- Load impedance..... 4Ω (4Ω to 8Ω allowance)
- Line out level/Impedance.....2.0V/20k load (250 nWb/m)

■ **Information for using a car audio service jig**

(1) We're advancing efforts to make our extension cords common for all car audio products.
Please use this type of extension cord as follows.
(2) As a U-shape type top cover is employed, this type of extension cord is needed to check operation of the mechanism assembly after disassembly.
(3) Extension cord : EXTKSRT002-6P (6 pin extension cord) For connection between mechanism assemblyand main board.
(4) Check for mechanism driving section such as motor ,etc.

■ **Disassembly method**

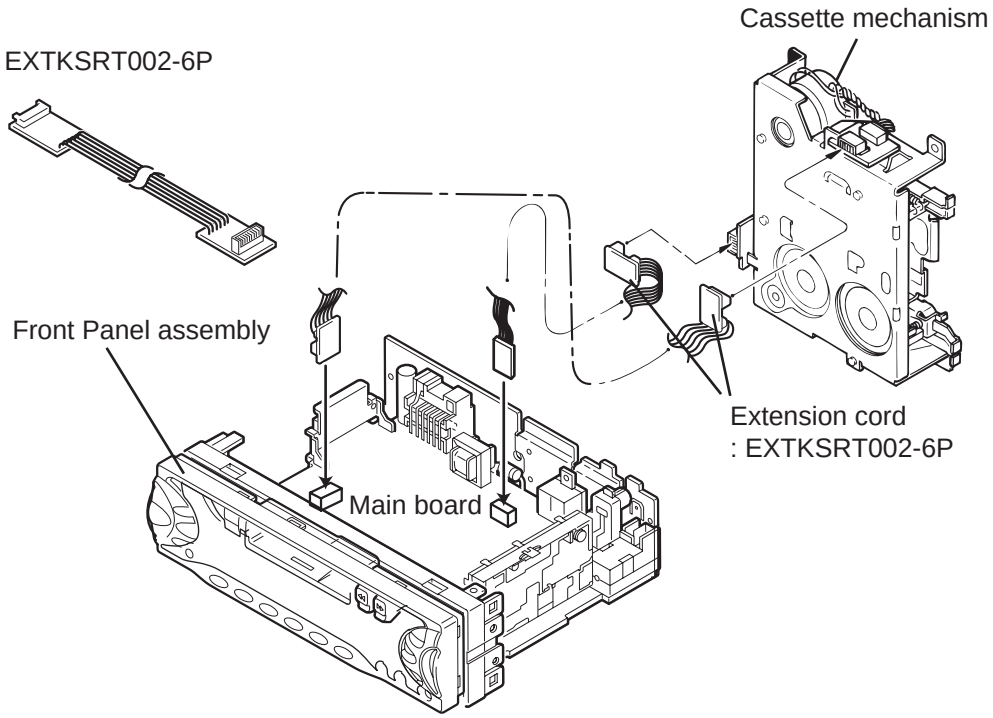
(1) Remove the front panel assembly.
(2) Remove the bottom cover.
(3) Remove the front chassis assembly.
(4) Remove the heat sink.
(5) Remove the rear panel
(6) Remove the main board.
(7) Reattach the heat sink with the two screws D. (Refer to DISASSEMBLY.)
(8) Reattach the rear panel with the screw G. (Refer to DISASSEMBLY.)
(9) Reattach the front chassis assembly with the screw B. (Refer to DISASSEMBLY.)
(10) Reattach the front panel assembly.
(11) Confirm that current is being carried by connecting an extension cord jig.

NOTE:

Available to connect to the CJ701 connector when installing the front panel.

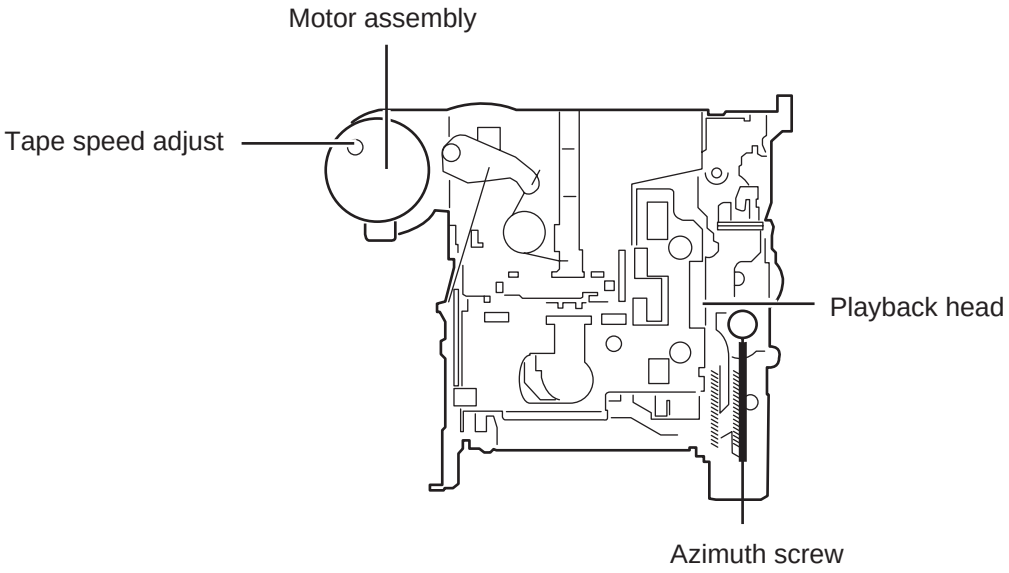
CAUTION :

Be sure to attach the heat sink and rear panel on the power amplifier IC and regulator IC of a main board when supplying the power.If voltage is applied without attaching those parts, the power amplifier IC and regulator IC will be destroyed by heat.

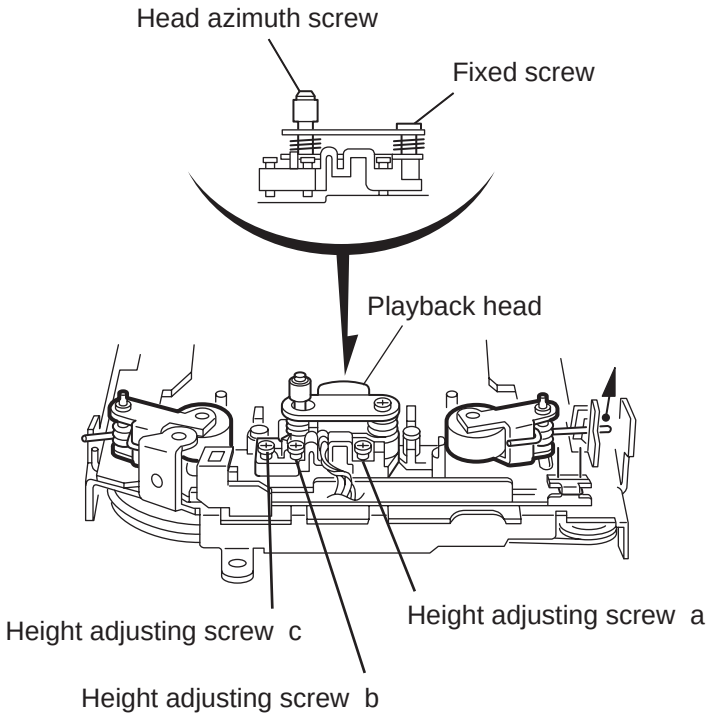


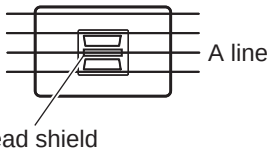
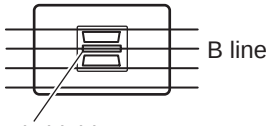
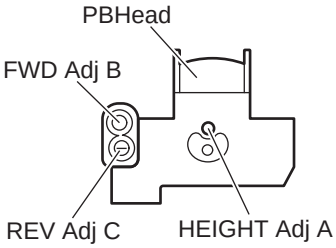
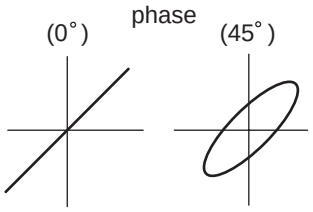
■ **Arrangement of adjusting & test points**

Cassette mechanism
(Surface)



Head section view



Item	Conditions	Adjustment and Confirmation methods	S.Values	Adjust
1. Head azimuth adjustment	Test tape: SCC-1659 VT703 (10kHz)	◆**Head height adjustment** Adjust the azimuth directly. When you adjust the height using a mirror tape, remove the cassette housing from the mechanism chassis. After installing the cassette housing, perform the azimuth adjustment. (1) Load the SCC-1659 mirror tape. Adjust with height adjustment screw A and azimuth adjustment screw B so that line A of the mirror tape runs in the center between Lch and Rch in the reverse play mode. (2) After switching from REV to FWD then to REV, check that the head position set in procedure 1 is not changed. (If the position has shifted, adjust again and check.) (3) Adjust with azimuth adjustment screw B so that line B of the mirror tape runs in the center between Lch and Rch in the forward play mode.	 The head is at low position during.  The head is at High position during REV.	
	Test tape: VT724 (1kHz) VT703 (10kHz) VT721 (315Hz)	◆**Head azimuth adjustment** (1) Load VT724 (1kHz) and play it back in the reverse play mode. Set the Rch output level to max. (2) Load VT703 (10kHz) and play it back in the forward play mode. Adjust the Rch and Lch output levels to max, with azimuth adjustment screw B. In this case, the phase difference should be within 45 . (3) Engage the reverse mode and adjust the output level to max, with azimuth adjustment screw C.(The phase difference should be 45 or more.) (4) When switching between forward and reverse modes, the difference between channels should be within 3dB. (Between FWD L and R, REV L and R.) (5) When VT721 (315Hz) is played back, the level difference between channels should be within 1.5dB.	Output level: Maximum  	
2. Tape speed and wow flutter confirmation	Test tape: VT712 (3kHz)	(1) Check to see if the reading of the F, counter / wow flutter meter is within 3015Hz to 3045Hz (FWD/REV), and less than 0.35% (JIS RMS). (2) In case of out of specification, adjust the motor with a built-in volume resistor.	Tape speed: 3015Hz to 3045Hz Wow flutter: less than 0.35%	Built-in volume resistor
3. Play back frequency response confirmation	Test tape: VT724 (1kHz) VT739 (63Hz / 1kHz / 10kHz)	(1) Play test tape VT724, and set the volume position at 2V. (2) Play test tape VT739 and confirm.1kHz / 10kHz: -1 ±3dB,1kHz / 63Hz: 0 ±3dB, (3) When 10kHz is out of specification, it will be necessary to read adjust the azimuth.	Speaker out 1kHz / 63Hz: 0 ±3dB 1kHz / 10kHz: -1 ±3dB	

The tuner section is of an adjustment-freedesign. In case the tuner is in trouble, replace the tuner pack.

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC
VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY MOBILE ENTERTAINMENT CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.49869)

Printed in Japan
WPC

JVC

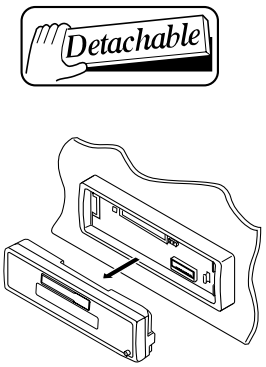
SCHEMATIC DIAGRAMS

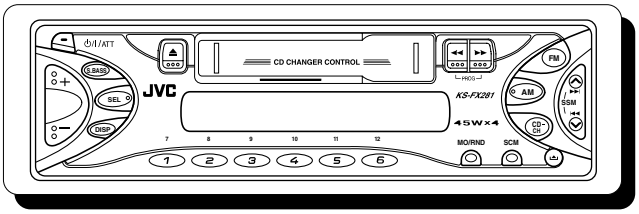
CASSETTE RECEIVER

KS-FX281

CD-ROM No.SML200310

Area Suffix
UF ---------- China





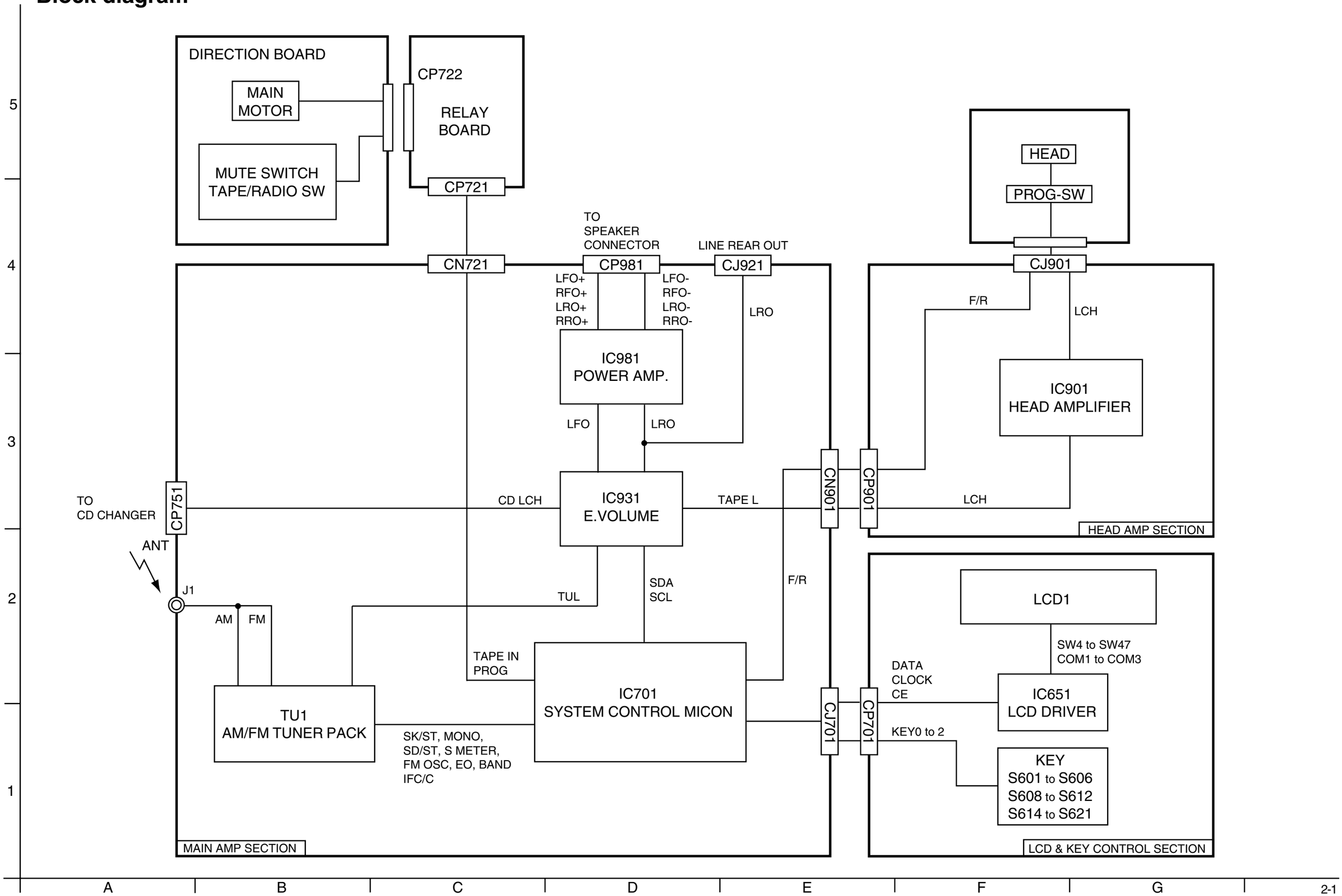
Contents

No.49869SCH
2003/10

Safety precaution

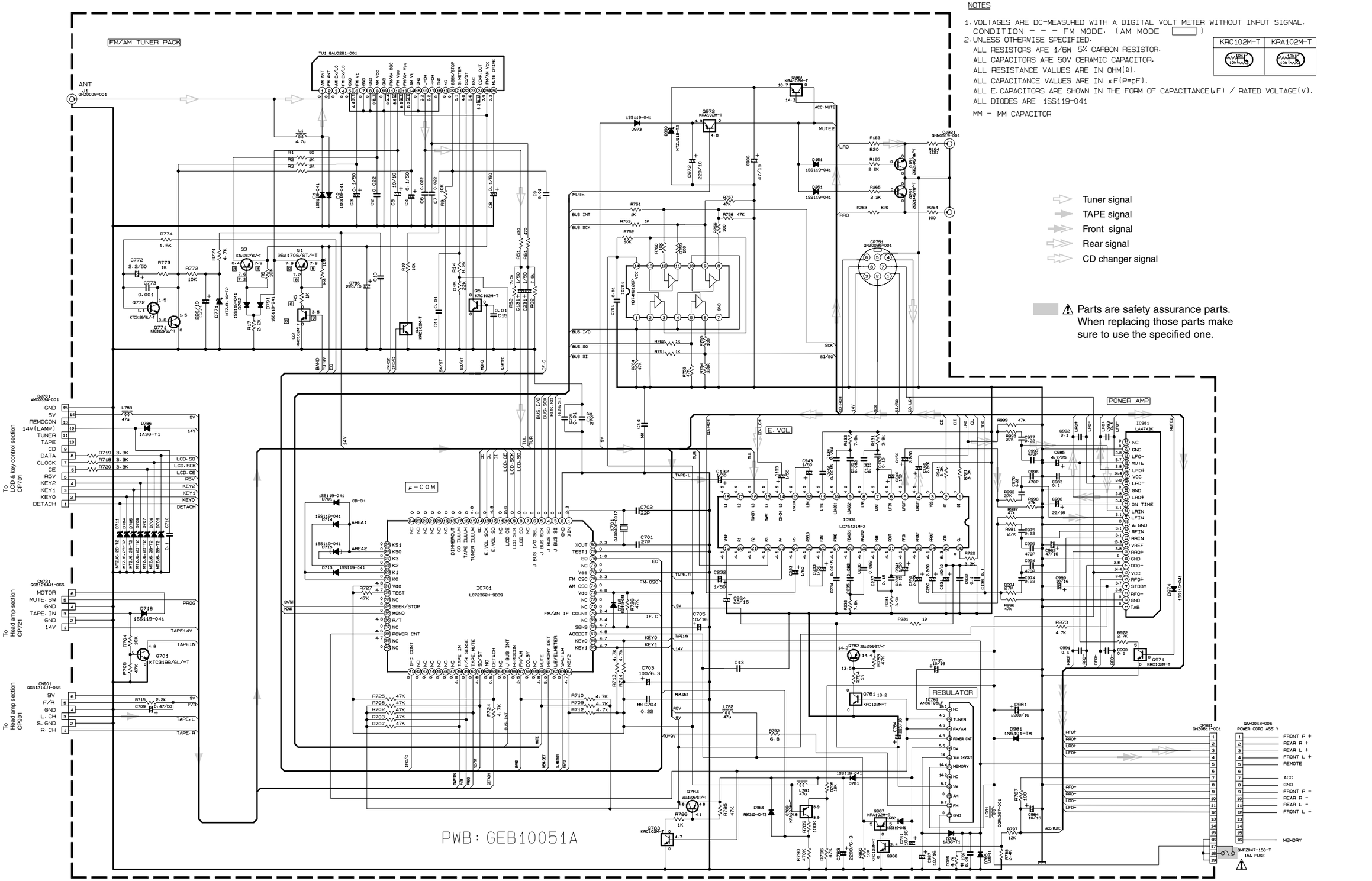
⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

Block diagram



Standard schematic diagrams

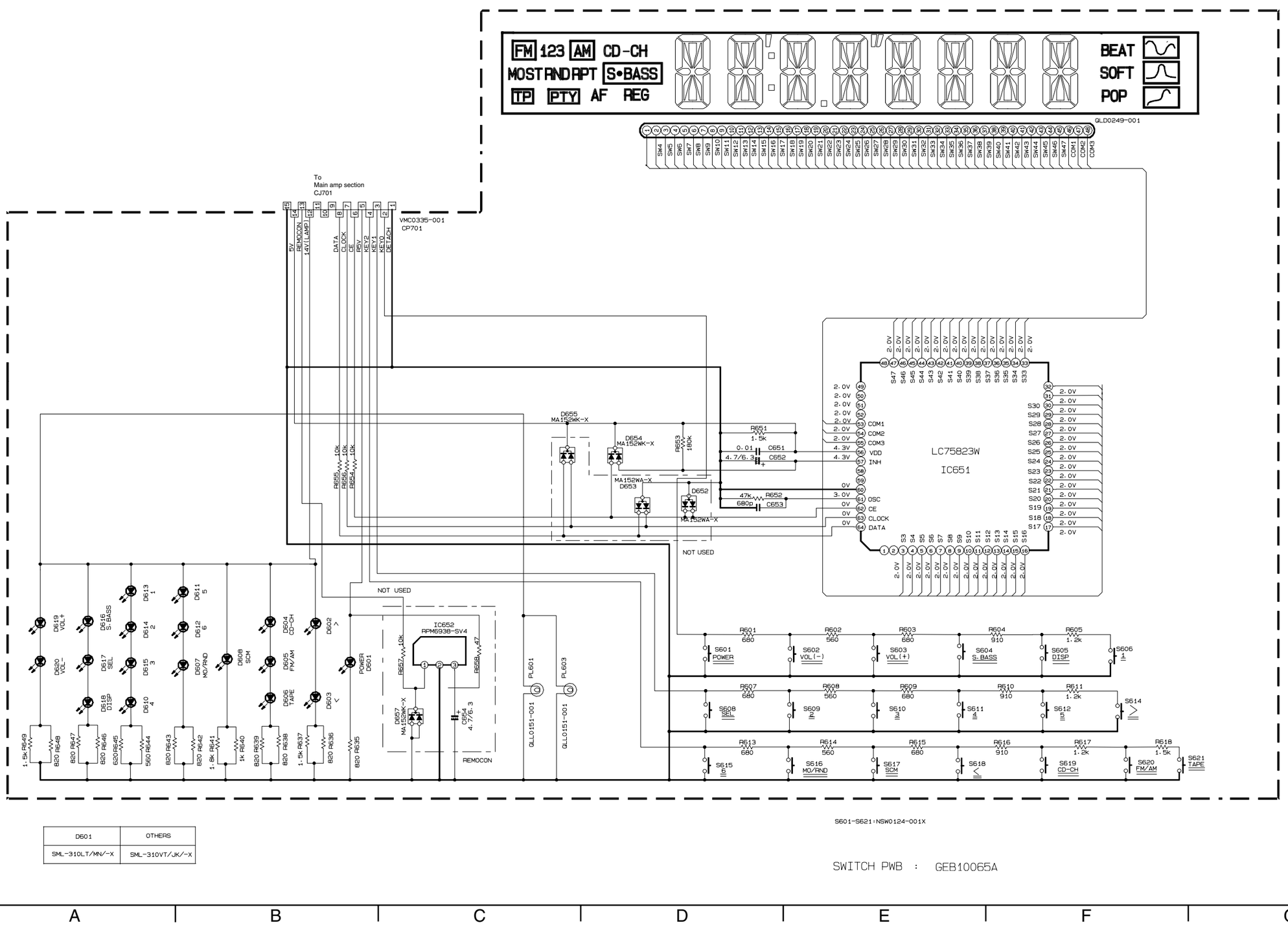
■ Main amp section



■ LCD & Key control section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION - - - FM MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W 5% CARBON RESISTOR OR 1/4W, 1/10W 5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).



D601	OTHERS
SML-310LT/MN/-X	SML-310VT/JK/-X

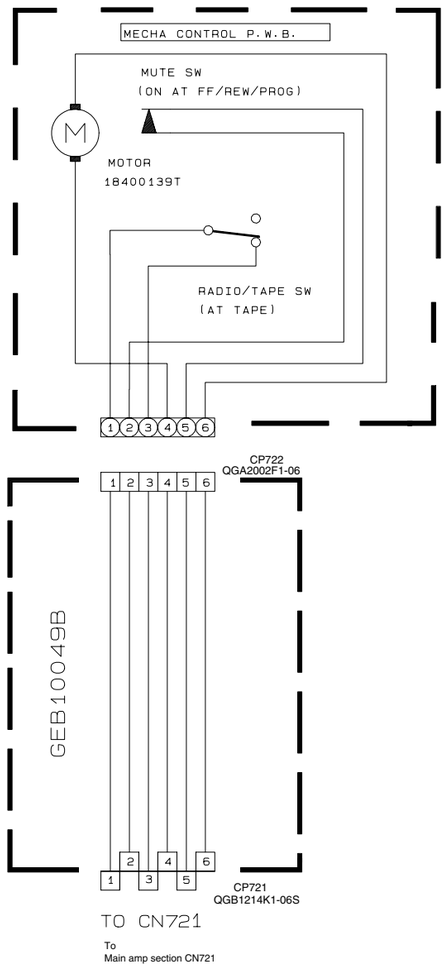
S601-S621:NSW0124-001X

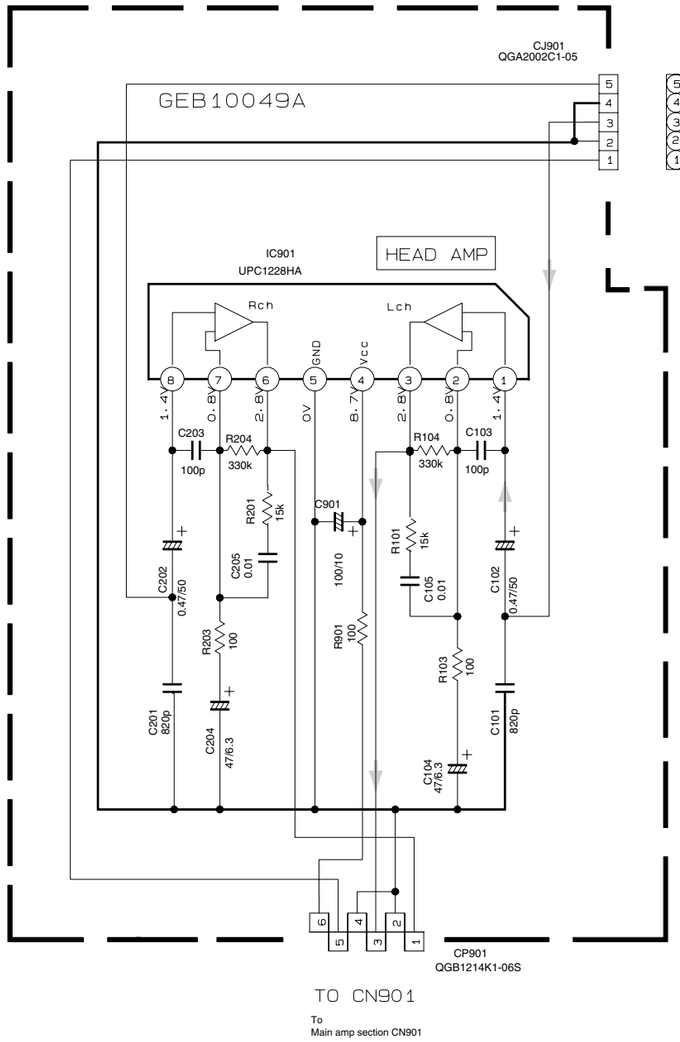
SWITCH PWB : GEB10065A

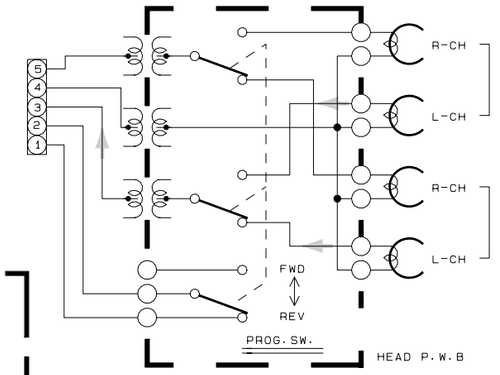
■ Head amp section

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION---FM MODE
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W 5% CARBON RESISTOR OR 1/4W.1/10W 5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN uF(P=pF).
   ALL E-CAPACITORS ARE SHOW IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V).





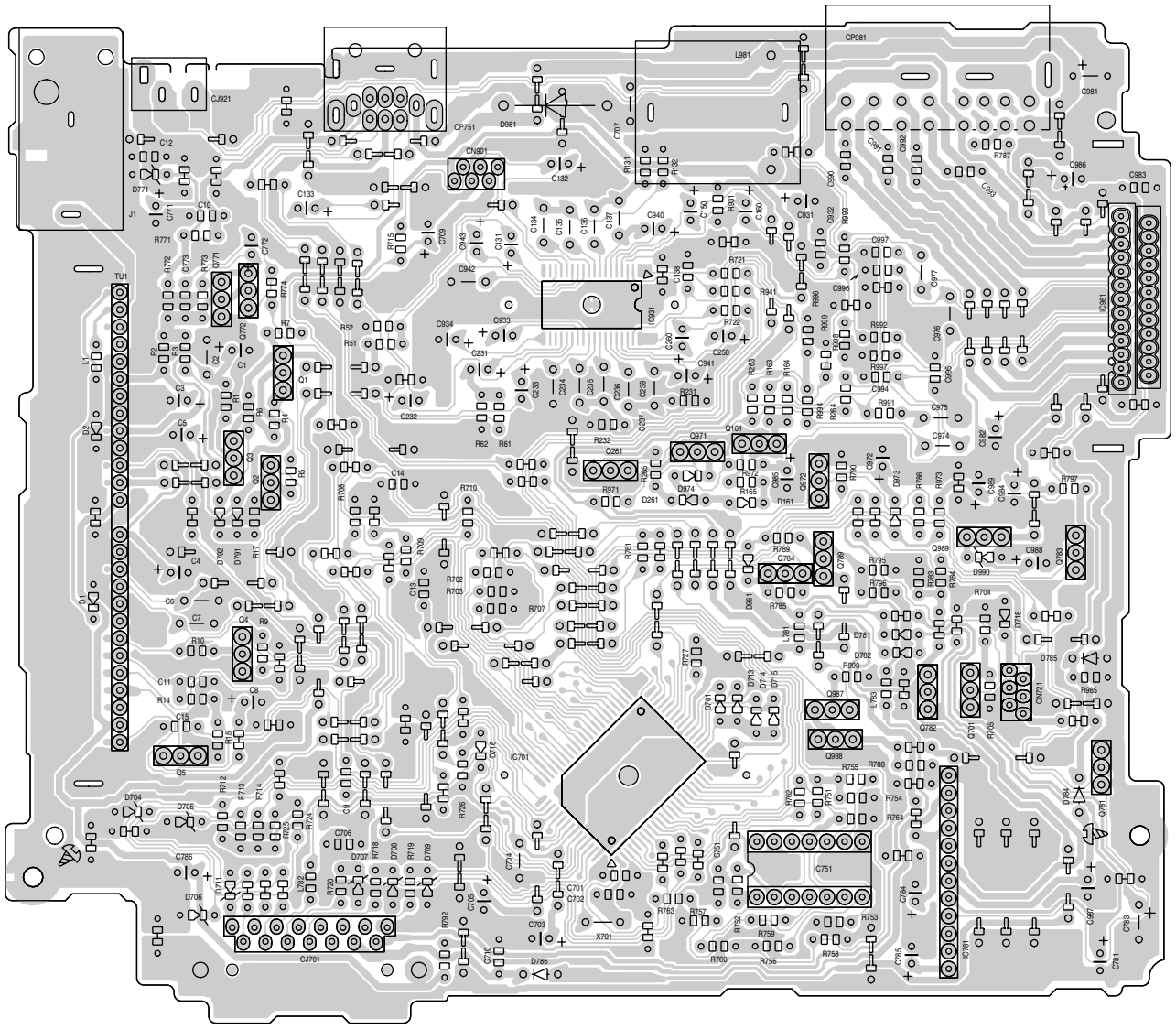


TAPE signal

PWB:GEB10049

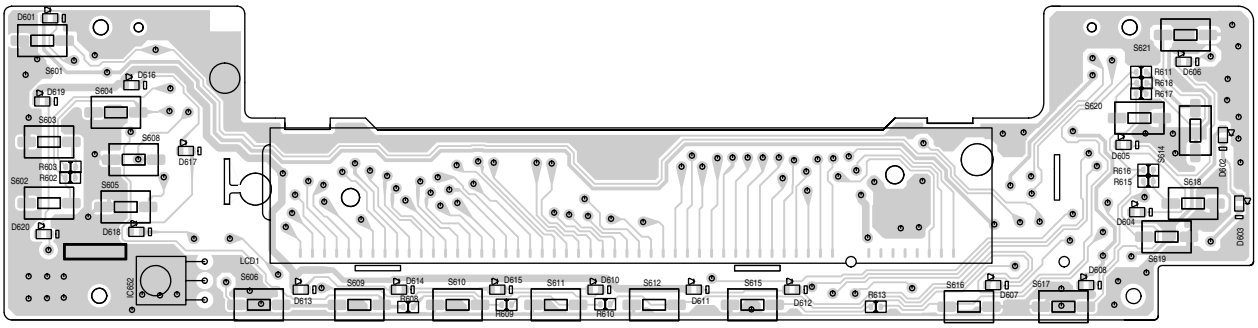
Printed circuit board

■ Main board

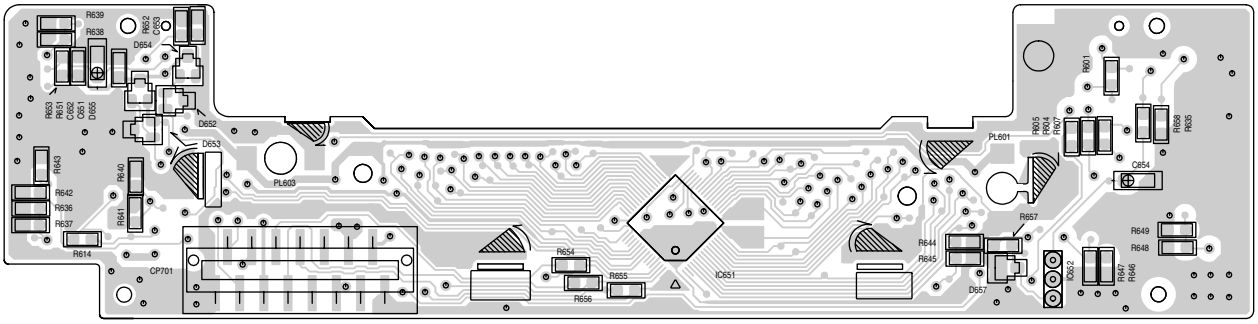


■ Front board

Forward side

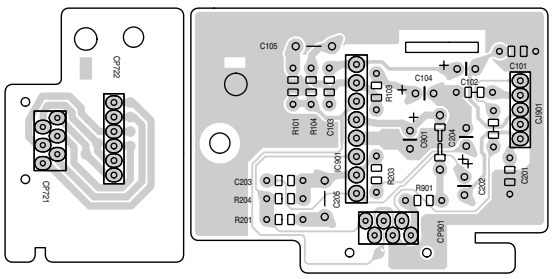


Revevse side



■ Mecha board

(Relay board) (Head amplifier board)



< MEMO >

JVC
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(No.49869SCH)

Printed in Japan
WPC

PARTS LIST

[KS-FX281]

* All printed circuit boards and its assemblies are not available as service parts.

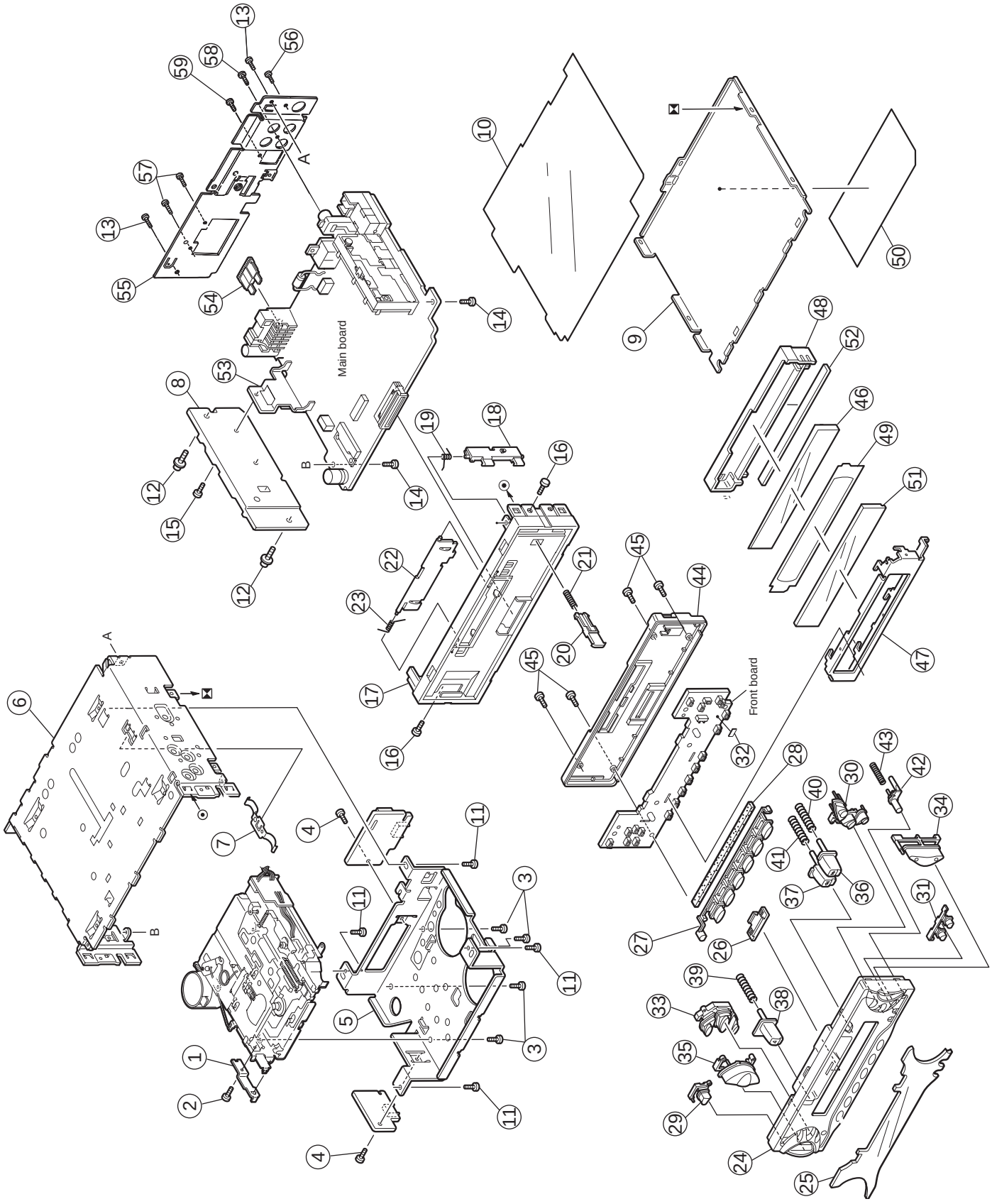
Area suffix

UF ----------China

- Contents -

Exploded view of general assmbly and parts list

Block No. M 1 M M



General assembly

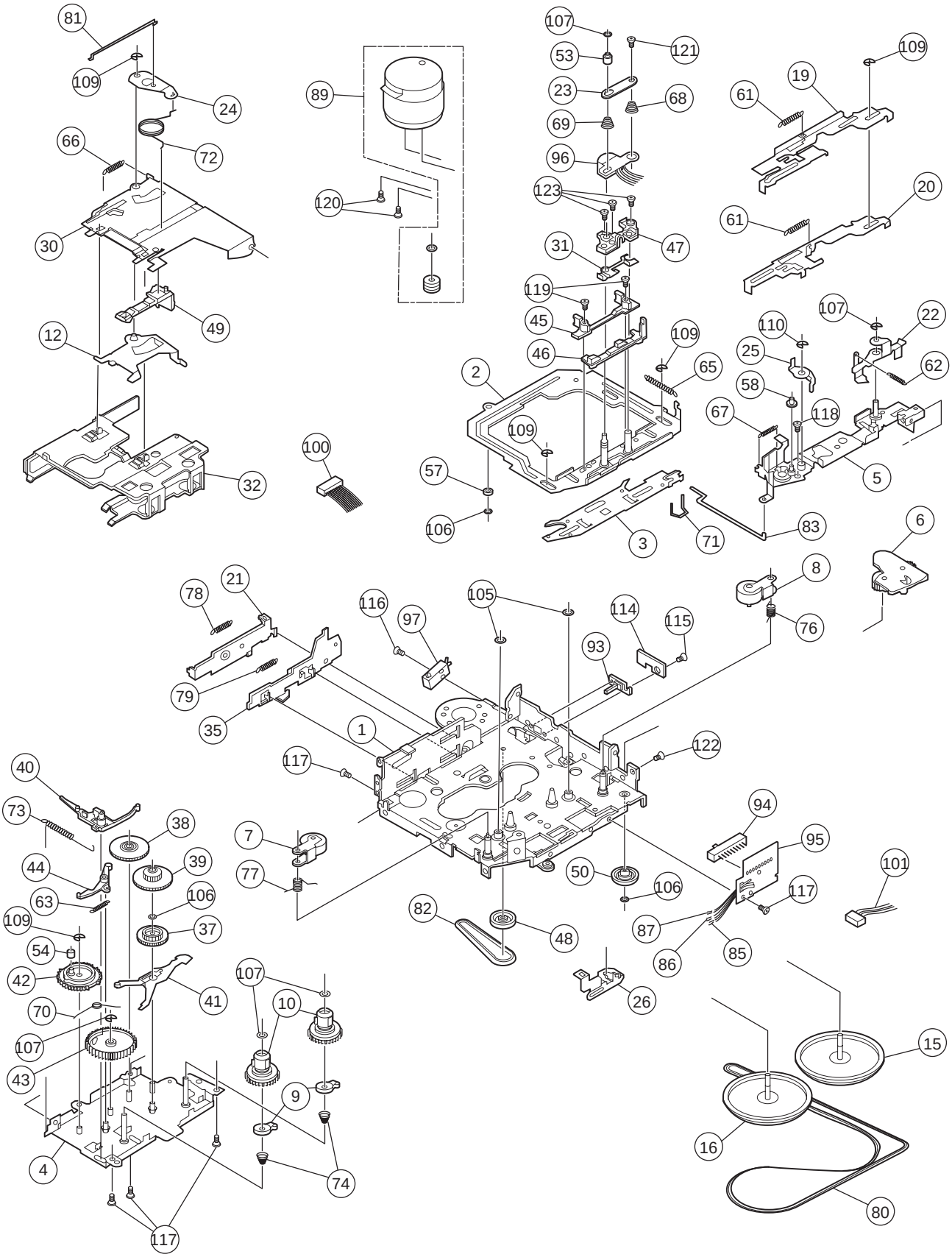
Block No. [M][1][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
1	GE40203-002A	EJECT LEVER		
2	QYSPSPT2625Z	MINI SCREW	2.6mm x 2.5mm	
3	QYSDSP2604Z	SCREW	2.6mm x 4mm(x4)	
4	QYSDST2605Z	SCREW	2.6mm x 5mm(x2)	
5	GE20134-202A	MECHA BKT		
6	GE10043-312A	TOP CHASSIS		
7	GE40135-201A	EARTH PLATE		
8	GE30938-203A	SIDE PANEL		
9	GE30393-202A	BOTTOM COVER		
10	FSMA3004-303	INSULATOR		
11	QYSDST2604Z	SCREW	2.6mm x 4mm(x4)	
12	FSKZ4005-001	SCREW	(x2)	
13	QYSDST2604Z	SCREW	2.6mm x 4mm(x2)	
14	QYSDST2606Z	SCREW	2.6mm x 6mm(x2)	
15	QYSDST2610Z	SCREW	2.6mm x 10mm	
16	QYSDST2004M	MINI SCREW	2mm x 4mm(x2)	
17	GE10053-001A	FRONT CHASSIS		
18	GE30583-001A	LOCK LEVER		
19	FSKW4005-003	TORSION SPRING		
20	FSXP3026-002	RLS KNOB		
21	FSKW3002-004	COMP.SPRING		
22	FSJC3014-203	CASSETTE LID		
23	VKW4947-002	DOOR SPRING		
24	GE10051-003A	FRONT PANEL		
25	GE30584-015A	FINDER ASSY		
26	FSJK3014-001	LIGHT LENS		
27	GE20119-001A	PRESET BUTTON		
28	FSYH4036-077	SHEET		
29	GE30304-001A	POWER BUTTON		
30	GE20131-331A	D.FUNC BUTTON		
31	GE30307-001A	SND.FUNC.BUTTON		
32	FSYH4036-032	SHEET		
33	GE20130-331A	PUSH BUTTON		
34	GE20120-001A	UP/DOWN BUTTON		
35	GE20118-002A	+/- BUTTON		
36	FSXP3066-001	FF BUTTON		
37	FSXP3067-001	REW BUTTON		
38	FSXP3065-001	EJECT BUTTON		
39	FSKW3002-003	COMP.SPRING		
40	FSKW3002-003	COMP.SPRING		
41	FSKW3002-003	COMP.SPRING		
42	GE30306-001A	DETACH BUTTON		
43	FSKW3002-012	COMP.SPRING		
44	GE10052-001A	REAR COVER		
45	VKZ4777-001	MINI SCREW	(x4)	
46	FSJK3033-001	LCD LENS		
47	GE30309-004A	LCD CASE		
48	FSKS3020-003	LENS CASE		
49	FSYH4075-003	LIGHTING SHEET		
50	GE30946-002A	NAME PLATE		
51	QLD0249-001	LCD MODULE		
52	QNZ0440-001	LCD CONNECTOR		
53	GE40172-202A	IC BRACKET		
⚠ 54	QMFZ047-150-T	FUSE	15A	
55	GE30912-206A	REAR BRACKET		
56	QYSDST2606Z	SCREW	2.6mm x 6mm	
57	QYSDSF2606Z	SCREW	2.6mm x 6mm(x2)	
58	QYSDSF2606Z	SCREW	2.6mm x 6mm	
59	QYSDST2606Z	SCREW	2.6mm x 6mm	

Cassette mechanism assembly and parts list

CDS-363SJ2

Block No. M P M M



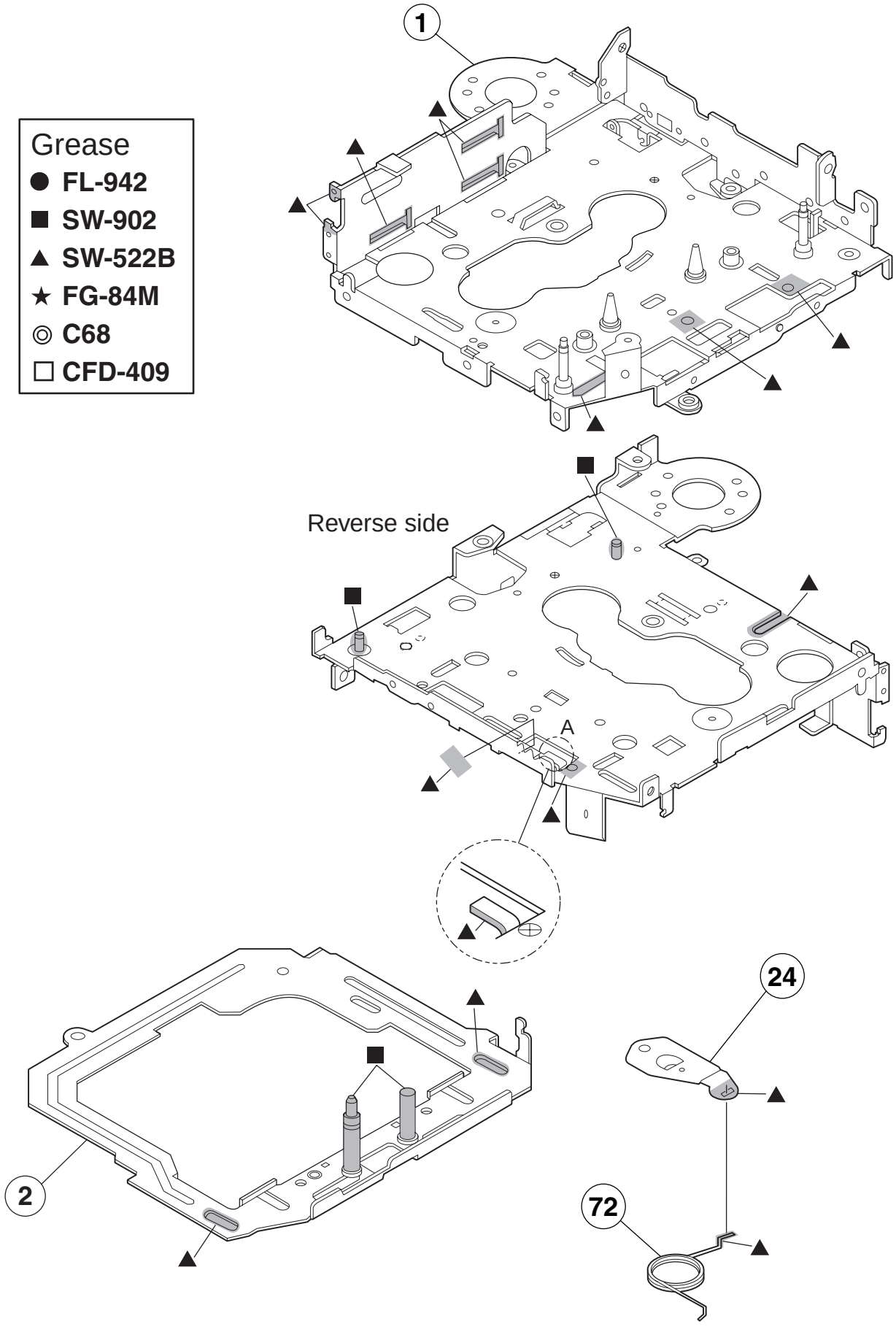
Cassette mechanism

Block No. [M][P][M][M]

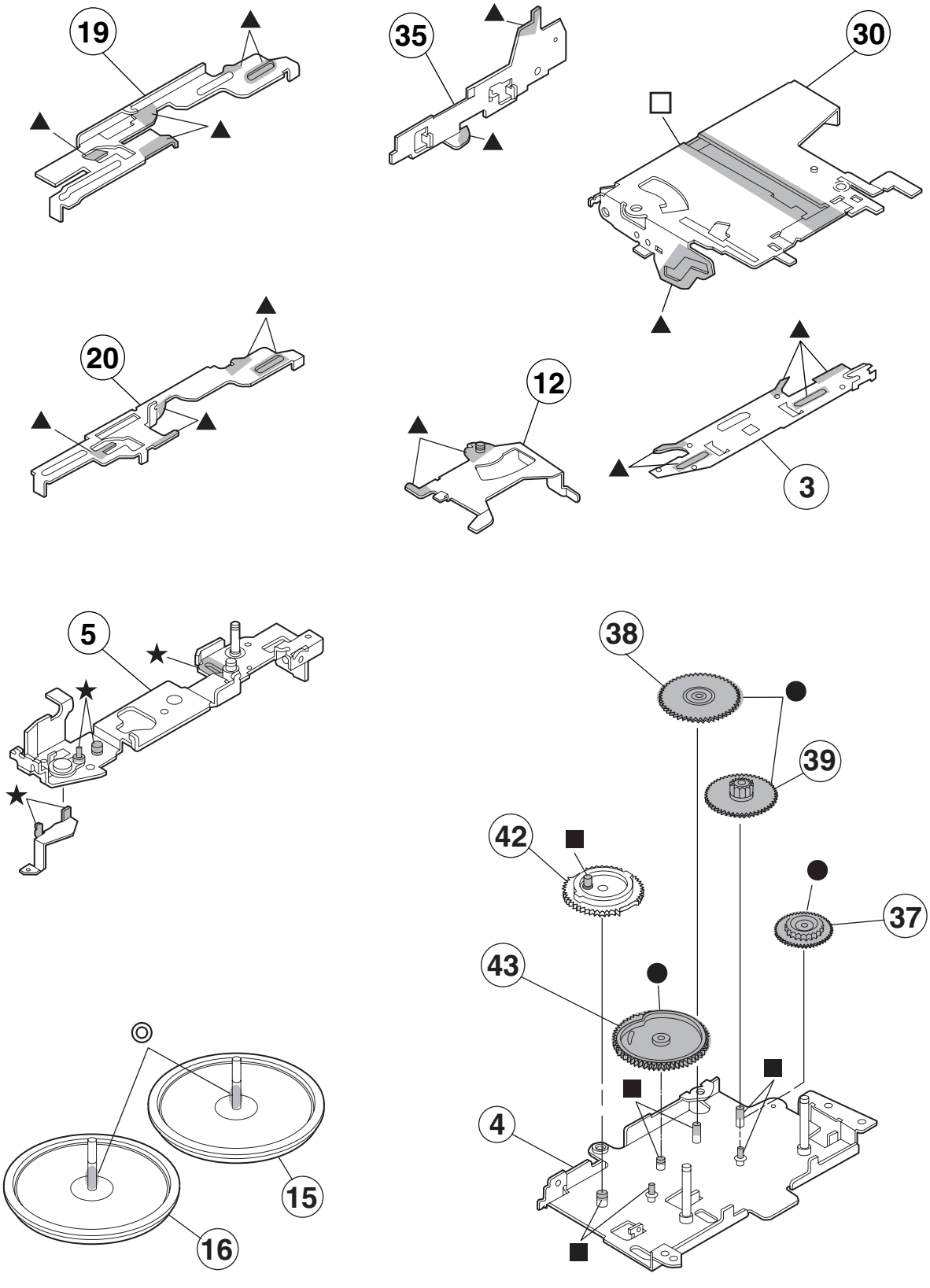
⚠ Symbol No.	Part No.	Part Name	Description	Local
1	X-0363-1001-2S	MAIN CHASSIS ASSY		
2	X-0363-1002S	HEAD PLATE ASSY		
3	X-0363-1004S	FR CONV ARM (B)		
4	X-0363-6001S	REEL BASE ASSY		
5	X-0363-6007S	LEVER BRKT ASSY		
6	X-0363-6003S	TU GEAR ARM ASSY		
7	X-0363-6004S	PINCH ARM(R) ASSY		
8	X-0363-6005S	PINCH ARM(F) ASSY		
9	X-0363-6006S	DETECTOR CAM ASSY	(x2)	
10	X-0363-2005S	REEL SPINDLE ASSY	(x2)	
12	X-0363-1019S	EJ.CAM LOCK ASY		
15	1-0363-6010S	FLYWHEEL ASSY F		
16	1-0363-6011S	FLYWHEEL ASSY R		
19	1-0036-1065S	FF LEVER(JVC)		
20	1-0036-1066S	REW LEVER(JVC)		
21	1-0036-1007S	EJECT LEVER		
22	1-0036-1013S	LOCK ARM		
23	1-0036-1015S	SPG SUPPORT PLT		
24	1-0036-1018S	CENTER PLATE		
25	1-0036-1023S	CHANGE LEVER(B)		
26	1-0036-1026S	FR ARM(B)		
30	1-0138-1002S	CASSETTE HANGER		
31	1-0138-1006S	ADJUSTER SHIN(X		
32	1-0138-1010S	CASSETTE HOLDER		
35	1-0363-1003S	EJECT CAM		
37	1-0036-2001S	IDLE GEAR		
38	1-0036-2003S	REDUCT.GEAR(B)		
39	1-0036-2004S	REDUCT.GEAR(A)		
40	1-0036-2007-5S	RATCHET		
41	1-0036-2009S	SENSOR ARM		
42	1-0036-2010S	SELECTOR GEAR		
43	1-0036-2014S	DETECTOR GEAR		
44	1-0038-2014S	GEAR LOCK ARM		
45	1-0038-2018S	TAPE GUIDE		
46	1-0363-2006S	ADJUSTER LINK B		
47	1-0138-2005-3S	ADJUSTER ARM(B)		
48	1-0036-2005S	PULLEY GEAR		
49	1-0032-2007S	TAPE HOOKER		
50	1-0058-2021-5S	IDLE PULLEY(A)		
53	1-0363-3018S	FF ROLLER		
54	1-0036-3018S	COLLER		
57	1-0363-3007S	HP ROLLER(A)		
58	1-0363-3011S	PROGRAM ROLLER		
61	1-0036-4001S	FF/REW LEVER SP	(x2)	
62	1-0036-4002S	LOCK LEVER SPG		
63	1-0036-4003S	GEAR LOCK ARM S		
65	1-0036-4006S	HEAD PLATE SPG		
66	1-0036-4007S	EJ.CAM LOCK SPG		
67	1-0036-4008S	PROGRAM ARM SPG		
68	1-0036-4010S	ADJUST ARM SP(A		
69	1-0036-4011S	ADJUST ARM SP(B		
70	1-0036-4015S	DASH SPG		
71	1-0036-4017S	CHANGING ARM SP		
72	1-0036-4023S	CENTER PLT SP(B		
73	1-0038-4014S	RATCHET SPG		
74	1-0138-4001S	BACK TEMSION SP	(x2)	
76	1-0363-4003S	PINCH ARM SPG F		
77	1-0363-4004S	PINCH ARM SPG R		
78	1-0363-4005S	EJECT LEVER SPG		
79	1-0036-4005S	EJECT CAM SPG		
80	1-0036-5020S	MAIN BELT(AL)		
81	1-0363-5007S	RETURN LINK		
82	1-0036-5001S	SUB BELT		
83	1-0363-5003S	SELECTOR LINK B		
85	1-0036-7002S	WIRE(A)		
86	1-0036-7003S	WIRE(B)		
87	1-0036-7073S	WIRE(AL)		
89	X-0363-7006S	MOTOR ASSY		
93	1-0363-7001S	MUTE SW		
94	1-0036-7007-1S	SLIDE SW		
95	1-0363-7008S	SLIDE SW PWB		
96	1-0036-7016S	HEAD		
97	1-0036-7034S	POWER SW		
100	1-0036-7089S	6P WIRE ASY(JVC		
101	1-0036-7088S	5P WIRE ASY(JVC		
105	2-1816-0032-E8S	MYLAR WASHER(S)	(x2)	
106	2-1812-0030-D2S	PSW-S	(x3)	
107	1-0036-5024S	PSW(REEL)	(x5)	
109	2-1712-0050-16S	E RING	(x5)	
110	2-1712-5060-16S	E RING		
114	1-0363-7015S	MUTE SW PWS		
115	2-1331-7040-C2S	SCREW S		
116	2-1331-7060-C2S	SCREW S		
117	2-1382-0030-C2S	SCREW B	(x5)	
118	2-1332-0040-C1S	SCREW S		
119	2-1032-0070-C2S	SCREW	(x2)	
120	2-1032-0025-C2S	SCREW	(x2)	
121	2-1012-0040-C2S	SCREW		
122	2-1012-0030-F2S	SCREW		
123	1-0138-5002S	AZIMUTH SCREW	(x3)	

Grease point 1/2

Grease
- ● **FL-942**
- ■ **SW-902**
- ▲ **SW-522B**
- ★ **FG-84M**
- ◎ **C68**
- □ **CFD-409**



Grease point 2/2



Electrical parts list

Main board

Block No. [0][1][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC701	LC72362N-9B39	IC	Micon	
IC751	HD74HC126P	IC	Changer control	
IC781	AN80T05LF	IC	Regulator	
IC931	LC75421M-X	IC	E. volume	
IC981	LA4743K	POWER IC	Power amp.	
Q1	2SA1706/ST/-T	TRANSISTOR		
Q2	KRC102M-T	DIGI TRANSISTOR		
Q3	KTA1267/YG/-T	TRANSISTOR		
Q4	KRC102M-T	DIGI TRANSISTOR		
Q5	KRC102M-T	DIGI TRANSISTOR		
Q161	2SD2144S/VW/-T	TRANSISTOR		
Q261	2SD2144S/VW/-T	TRANSISTOR		
Q701	KTC3199/GL/-T	TRANSISTOR		
Q771	KTC3199/GL/-T	TRANSISTOR		
Q772	KTC3199/GL/-T	TRANSISTOR		
Q781	KRC102M-T	DIGI TRANSISTOR		
Q782	2SA1706/ST/-T	TRANSISTOR		
Q783	KRC102M-T	DIGI TRANSISTOR		
Q784	2SA1706/ST/-T	TRANSISTOR		
Q789	KRA102M-T	DIGI TRANSISTOR		
Q971	KRC102M-T	DIGI TRANSISTOR		
Q972	KRA102M-T	DIGI TRANSISTOR		
Q987	KRA102M-T	DIGI TRANSISTOR		
Q988	KRC102M-T	DIGI TRANSISTOR		
Q989	KRA102M-T	DIGI TRANSISTOR		
D1	1SS119-041	DIODE		
D2	1SS119-041	DIODE		
D161	1SS119-041	DIODE		
D261	1SS119-041	DIODE		
D701	1SS119-041	DIODE		
D704	MTZJ6.2B-T2	Z DIODE		
D705	MTZJ6.2B-T2	Z DIODE		
D706	MTZJ6.2B-T2	Z DIODE		
D707	MTZJ6.2B-T2	Z DIODE		
D708	MTZJ6.2B-T2	Z DIODE		
D709	MTZJ6.2B-T2	Z DIODE		
D711	MTZJ6.2B-T2	Z DIODE		
D713	1SS119-041	DIODE		
D714	1SS119-041	DIODE		
D716	1SS119-041	DIODE		
D718	1SS119-041	DIODE		
D771	MTZJ9.1C-T2	Z DIODE		
D781	1SS119-041	DIODE		
D782	1SS119-041	DIODE		
D784	1A3G-T1	SI DIODE		
D785	1A3G-T1	SI DIODE		
D786	1A3G-T1	SI DIODE		
D791	1SS119-041	DIODE		
D792	1SS119-041	DIODE		
D961	RB721Q-40-T2	DIODE		
D973	1SS119-041	DIODE		
D974	1SS119-041	DIODE		
D981	1N5401-TM	SI DIODE		
D990	MTZJ11B-T2	Z DIODE		
C2	QDX11EK-223Z	C CAPACITOR	0.022uF 25V K	
C3	QEKJ1HM-104Z	E CAPACITOR	0.1uF 50V M	
C4	QEKJ1HM-104Z	E CAPACITOR	0.1uF 50V M	
C5	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C6	QDX11EK-223Z	C CAPACITOR	0.022uF 25V K	
C7	QDX11EK-223Z	C CAPACITOR	0.022uF 25V K	
C8	QERF1HM-104Z	E CAPACITOR	0.1uF 50V M	
C9	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C11	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C12	QCBB1HK-271Y	C CAPACITOR	270pF 50V K	
C15	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C131	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C132	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C133	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C134	QFV61HJ-823Z	MF CAPACITOR	0.082uF 50V J	
C135	QFV61HJ-823Z	MF CAPACITOR	0.082uF 50V J	
C136	QFVD1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C137	QFVD1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C138	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C150	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C160	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C231	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C232	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C233	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C234	QFLK1HJ-152Z	M CAPACITOR	1500pF 50V J	
C235	QFV61HJ-823Z	MF CAPACITOR	0.082uF 50V J	
C236	QFV61HJ-823Z	MF CAPACITOR	0.082uF 50V J	
C237	QFVD1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C238	QFVD1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C250	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C260	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C701	QDUB1HJ-270Y	C CAPACITOR	27pF 50V J	
C702	QDCB1HJ-220Y	C CAPACITOR	22pF 50V J	
C703	QERF0JM-107Z	E CAPACITOR	100uF 6.3V M	
C704	QFVD1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C705	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C706	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C707	QFV61HJ-103Z	MF CAPACITOR	0.01uF 50V J	
C709	QERF1HM-474Z	E CAPACITOR	0.47uF 50V M	
C710	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C751	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C771	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C772	QERF1HM-225Z	E CAPACITOR	2.2uF 50V M	
C773	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C781	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C783	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C784	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C785	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C786	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C931	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C932	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C933	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C934	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C940	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C941	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C942	QFLK1HJ-152Z	M CAPACITOR	1500pF 50V J	
C943	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C972	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C974	QFVD1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C975	QFVD1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C976	QFVD1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C977	QFVD1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C981	QEZ0615-228	E CAPACITOR	2200uF	
C982	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C983	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C984	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C985	QERF1EM-475Z	E CAPACITOR	4.7uF 25V M	
C986	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C987	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C988	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C989	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C990	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C991	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C992	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C993	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C994	QCBB1HK-471Y	C CAPACITOR	470pF 50V K	
C995	QCBB1HK-471Y	C CAPACITOR	470pF 50V K	
C996	QCBB1HK-471Y	C CAPACITOR	470pF 50V K	
C997	QCBB1HK-471Y	C CAPACITOR	470pF 50V K	
R1	QRE141J-100Y	C RESISTOR	10Ω 1/4W J	
R2	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R4	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R5	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R9	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R10	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R14	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	
R15	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R17	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R51	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R52	QRE141J-752Y	C RESISTOR	7.5kΩ 1/4W J	
R61	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R62	QRE141J-752Y	C RESISTOR	7.5kΩ 1/4W J	
R131	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R132	QRE141J-752Y	C RESISTOR	7.5kΩ 1/4W J	
R163	QRE141J-821Y	C RESISTOR	820Ω 1/4W J	
R164	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R165	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R231	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R232	QRE141J-752Y	C RESISTOR	7.5kΩ 1/4W J	
R263	QRE141J-821Y	C RESISTOR	820Ω 1/4W J	
R264	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R265	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R702	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R703	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R704	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R705	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R707	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R708	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R709	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R710	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R712	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R713	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R714	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R715	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R718	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R719	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R720	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R721	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R722	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R724	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R725	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R726	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R727	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R751	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R752	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R753	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R754	QRE141J-334Y	C RESISTOR	330kΩ 1/4W J	
R755	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R756	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R757	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R758	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R759	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R760	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R761	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R762	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R763	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R764	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R771	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R772	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R773	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R774	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R783	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R784	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R785	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R786	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R787	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R788	QRE141J-242Y	C RESISTOR	2.4kΩ 1/4W J	
R789	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R790	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
R792	QRE141J-6R8Y	C RESISTOR	6.8Ω 1/4W J	
R795	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R796	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R797	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R931	QRE141J-100Y	C RESISTOR	10Ω 1/4W J	
R941	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R972	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R973	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R985	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R990	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R991	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R992	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R993	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R994	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R996	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R997	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R998	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R999	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
L1	QQL231K-4R7Y	INDUCTOR I/M	4.7uH K	
L781	QQL231K-470Y	INDUCTOR I/M	47uH K	
L782	QQL231K-470Y	INDUCTOR I/M	47uH K	
L783	QQL231K-470Y	INDUCTOR I/M	47uH K	
L981	QQR1367-001	CHOKE COIL		
CJ701	VMC0334-001	CONNECTOR		
CJ921	QNN0519-001	SURROUND JACK		
CN721	QGB1214J1-06S	CONNECTOR	B-B (1-6)	
CN901	QGB1214J1-06S	CONNECTOR	B-B (1-6)	
CP751	QNZ0095-001	CONNECTOR		
CP981	QNZ0611-001	16P CONNECTOR		
J1	QNZ0009-001	CAR ANT JACK		
TU1	QAU0281-001	TUNER PACK		
X701	QAX0406-001Z	CRYSTAL	4.500MHz	

Front board

Block No. [0][2][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC651	PT6523LQ	IC	LCD driver	
D601	SML-310LT/MN/-X	LED		
D602	SML-310VT/JK/-X	LED		
D603	SML-310VT/JK/-X	LED		
D604	SML-310VT/JK/-X	LED		
D605	SML-310VT/JK/-X	LED		
D606	SML-310VT/JK/-X	LED		
D607	SML-310VT/JK/-X	LED		
D608	SML-310VT/JK/-X	LED		
D610	SML-310VT/JK/-X	LED		
D611	SML-310VT/JK/-X	LED		
D612	SML-310VT/JK/-X	LED		
D613	SML-310VT/JK/-X	LED		
D614	SML-310VT/JK/-X	LED		
D615	SML-310VT/JK/-X	LED		
D616	SML-310VT/JK/-X	LED		
D617	SML-310VT/JK/-X	LED		
D618	SML-310VT/JK/-X	LED		
D619	SML-310VT/JK/-X	LED		
D620	SML-310VT/JK/-X	LED		
C651	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C652	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C653	NCB31HK-681X	C CAPACITOR	680pF 50V K	
R601	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R602	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R603	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R604	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R605	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R607	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R608	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R609	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R610	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R611	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R613	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R614	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R615	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R616	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R617	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R618	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R635	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R636	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R637	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R638	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R639	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R640	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R641	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R642	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R643	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R644	NRSA02J-621X	MG RESISTOR	620Ω 1/10W J	
R645	NRSA02J-621X	MG RESISTOR	620Ω 1/10W J	
R646	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R647	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
R648	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R649	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J	
R651	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
R652	NRSA02J-473X	MG RESISTOR	47kΩ 1/10W J	
R653	NRSA02J-184X	MG RESISTOR	180kΩ 1/10W J	
R654	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
R655	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
R656	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
CP701	VMC0335-001	PANEL CONNECTOR		
PL601	QLL0151-001	LAMP		
PL603	QLL0151-001	LAMP		
S601	NSW0124-001X	TACT SW		
S602	NSW0124-001X	TACT SW		
S603	NSW0124-001X	TACT SW		
S604	NSW0124-001X	TACT SW		
S605	NSW0124-001X	TACT SW		
S606	NSW0124-001X	TACT SW		
S608	NSW0124-001X	TACT SW		
S609	NSW0124-001X	TACT SW		
S610	NSW0124-001X	TACT SW		
S611	NSW0124-001X	TACT SW		
S612	NSW0124-001X	TACT SW		
S614	NSW0124-001X	TACT SW		
S615	NSW0124-001X	TACT SW		
S616	NSW0124-001X	TACT SW		
S617	NSW0124-001X	TACT SW		
S618	NSW0124-001X	TACT SW		
S619	NSW0124-001X	TACT SW		
S620	NSW0124-001X	TACT SW		
S621	NSW0124-001X	TACT SW		

Mecha control board

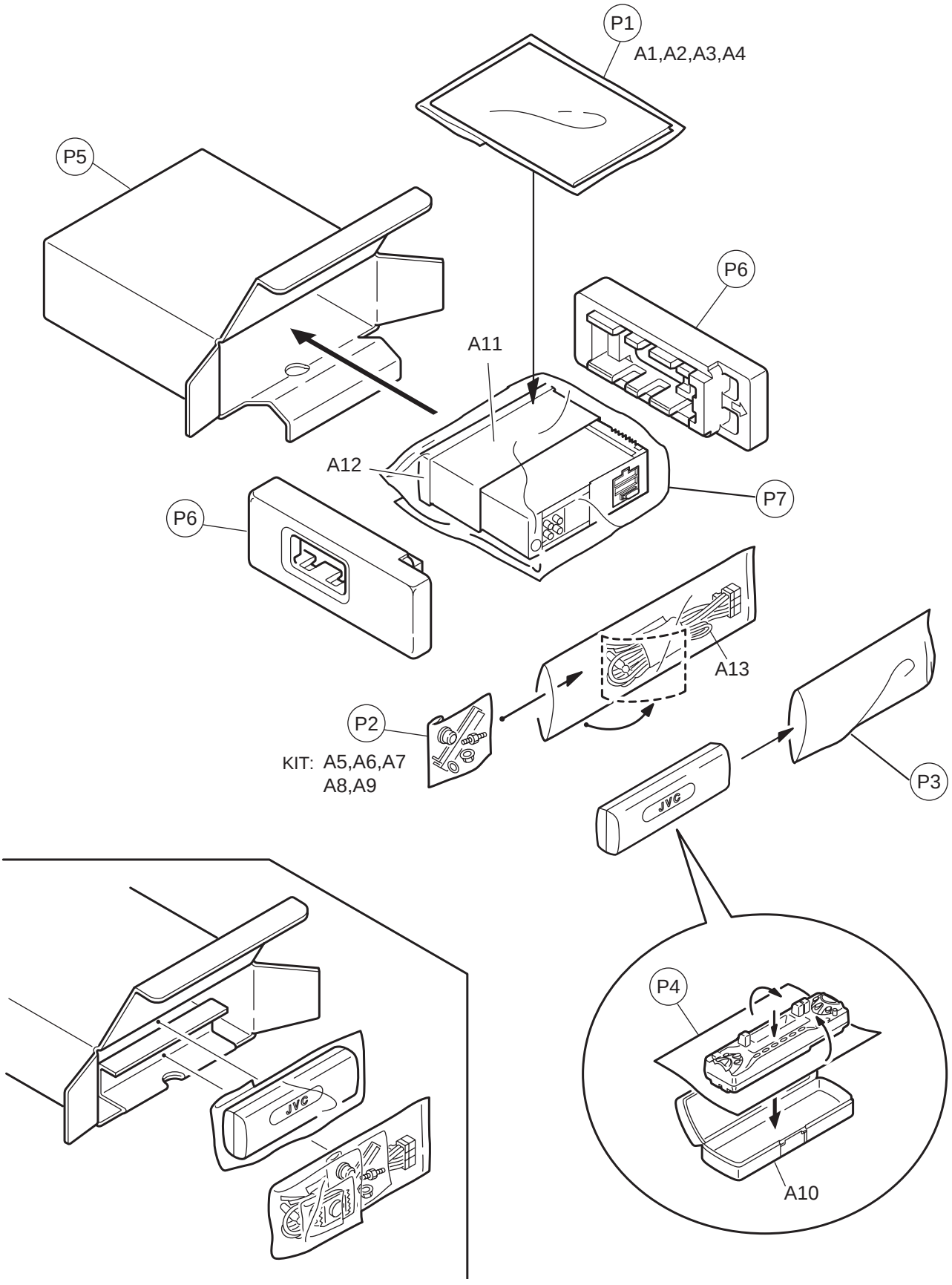
Block No. [0][3][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC901	UPC1228HA	IC	Head amp	
C101	QDGB1HK-821Y	C CAPACITOR	820pF 50V K	
C102	QEKJ1HM-474Z	E CAPACITOR	0.47uF 50V M	
C103	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C104	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C105	QFV61HJ-103Z	MF CAPACITOR	0.01uF 50V J	
C201	QDGB1HK-821Y	C CAPACITOR	820pF 50V K	
C202	QERF1HM-474Z	E CAPACITOR	0.47uF 50V M	
C203	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C204	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C205	QFV61HJ-103Z	MF CAPACITOR	0.01uF 50V J	
C901	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
R101	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R103	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R104	QRE141J-334Y	C RESISTOR	330kΩ 1/4W J	
R201	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R203	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R204	QRE141J-334Y	C RESISTOR	330kΩ 1/4W J	
R901	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
CJ901	QGA2002C1-05	CONNECTOR	W-B (1-5)	
CP721	QGB1214K1-06S	CONNECTOR	B-B (1-6)	
CP722	QGA2002F1-06	CONNECTOR	W-B (1-6)	
CP901	QGB1214K1-06S	CONNECTOR	B-B (1-6)	

<MEMO>

Packing materials and accessories parts list

Block No. M 3 M M



Packing and accessories

Block No. [M][3][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
A 1	GET0168-001A	INST BOOK	CHI(PEKIN)	
A 2	GET0168-002A	INSTALL MANUAL		
A 3	BT-59019-1	WARRANTY CARD		
A 4	BT-59012-1C	SVC CTR LIST		
A 5	VKZ4027-202	PLUG NUT		
A 6	VKH4871-001SS	MOUNT BOLT		
A 7	VKZ4328-001	LOCK NUT		
A 8	WNS5000Z	WASHER		
A 9	GE40130-202A	HOOK	(x2)	
A 10	FSJB3002-30C	HARD CASE		
A 11	GE20137-203A	MOUNTING SLEEVE		
A 12	GE20135-301A	TRIM PLATE		
A 13	QAM0013-006	16P CORD ASSY		
KIT	KSFX480K-SCREW1	SCREW PARTS KIT	A5 to A9	
P 1	FSPG4002-001	POLY BAG		
P 2	QPA00801205	POLY BAG	8cm x 12cm	
P 3	QPA01003003	POLY BAG	10cm x 30cm	
P 4	FSYH4036-068	SHEET		
P 5	GE30982-001A	CARTON		
P 6	GE10047-201A	EPS CUSHION	(x2)	
P 7	QPC03004315P	POLY BAG	30cm x 43cm	