

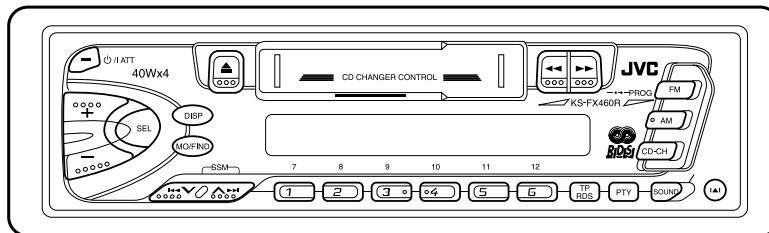
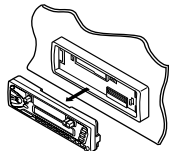
JVC

SERVICE MANUAL

CASSETTE RECEIVER

KS-FX460R /KS-FX463R

Detachable



Area Suffix

EX----- Central Europe

This model is KS-FX460R/KS-FX463R EX that is added to the preceding model, the KS-FX460R/KS-FX463R E. Therefore the service manual for this model is consisting of Parts list only.

For others, please refer to the service manual of KS-FX460R/KS-FX463R E (issue No.49578).

■Parts list (Packing)

P3-15 Block No.M3MM

△	Item	Parts name	Parts number	
			E Version	EX Version
	P1	POLY BAG	FSPG4002-001 (Q'TY 2)	FSPG4002-001 (Q'TY 1)

■Parts list (Accessories)

P3-15

Block No.M4MM

△	Item	Parts name	Parts number		Q'ty
			E Version	EX Version	
	A 2	INST.BOOK (LANGUAGE)	GET0039-002A (SPA,ITA,SWE,FIN)	-----	1
	A 3	INSTALL.MANUAL (LANGUAGE)	GET0039-005A (SWE,FIN)	-----	1



VICTOR COMPANY OF JAPAN, LIMITED
MOBILE ELECTRONICS DIVISION

PERSONAL & MOBILE NETWORK BUSINESS UNIT. 10-1,1Chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

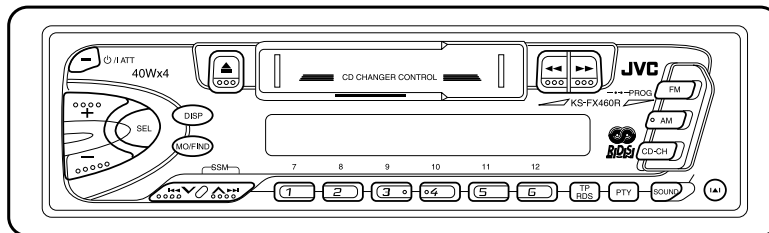
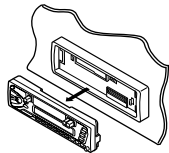
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Area Suffix
E Continental Europe

Difference point	KS-FX460R	KS-FX463R
LCD	GREEN	AMBER
LED (without power button)	GREEN	AMBER

Contents

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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 performing repair of this system.

Disassembly method

<Main body>

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

1. Press the eject button in the lower right part of the front panel. Remove the front panel assembly from the body.

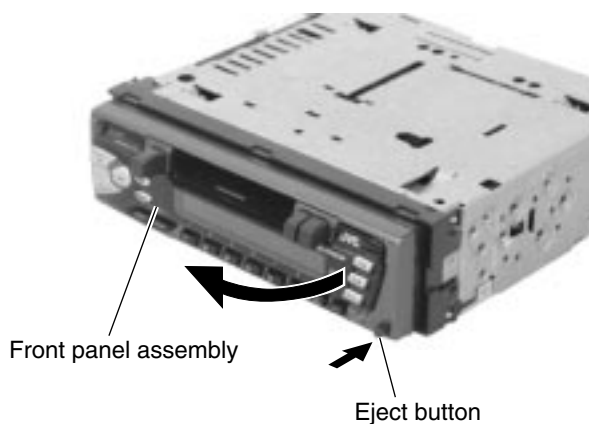


Fig.1

■ Removing the front chassis assembly (See Fig.2 and 3)

- Prior to performing the following procedure, remove the front panel assembly.
1. Release the four joint tabs **a** on both sides of the front chassis assembly and remove the front chassis assembly toward the front.

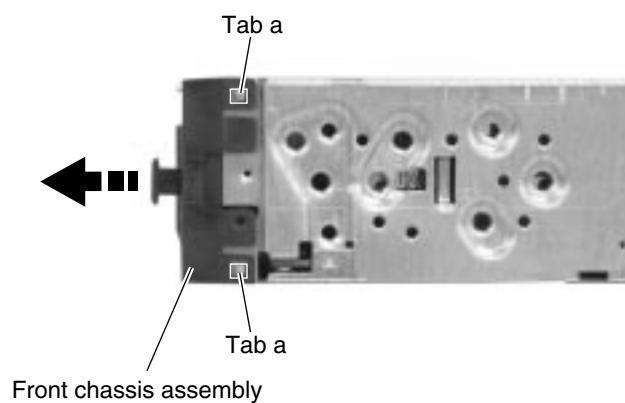


Fig.2

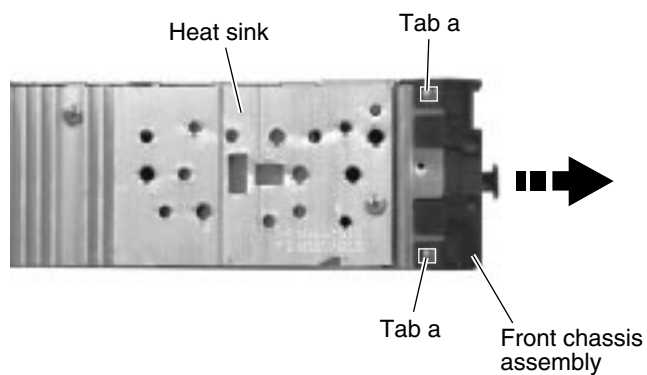


Fig.3

■ Removing the heat sink (See Fig.4)

1. Remove the three screws **A** on the left side of the body.

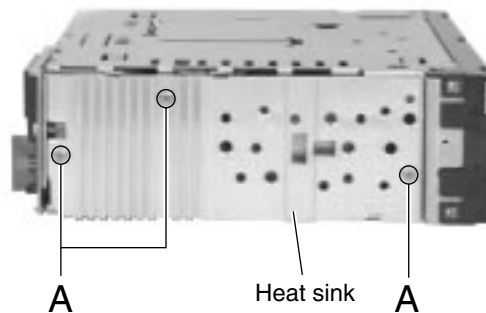


Fig.4

■ Removing the bottom cover (See Fig.5 and 6)

- Prior to performing the following procedure, remove the front panel assembly, the front chassis assembly and the heat sink.

1. Turn over the body and unjoint the five joints **b** with the bottom cover and the body using a screwdriver.

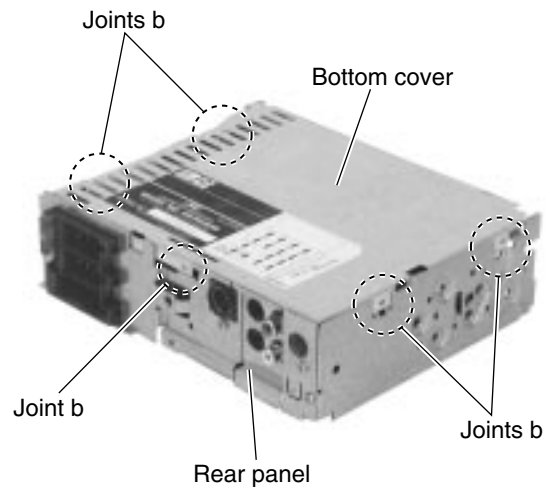


Fig.5

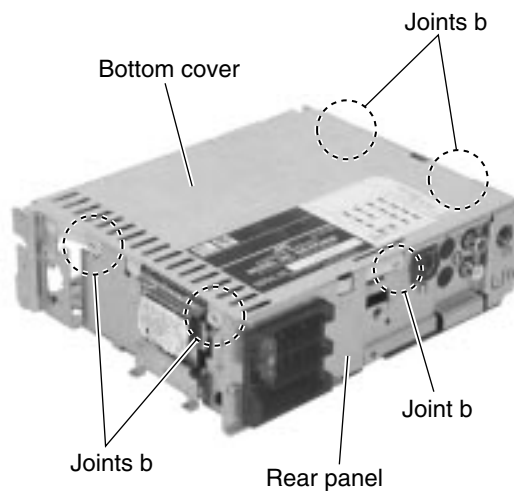


Fig.6

■ Removing the main board (See Fig.7 and 8)

· Prior to performing the following procedure, remove the front panel assembly, the front chassis assembly, the heat sink and the bottom cover.

1. Remove the screw **B**, the two screws **C** and the two screws **D** attaching the rear bracket on the back of the body. Remove the rear bracket.
2. Remove the two screws **E** attaching the main board on the bottom of the body. Disconnect connector CN901 and CN902 on the main board in the direction of the arrow.

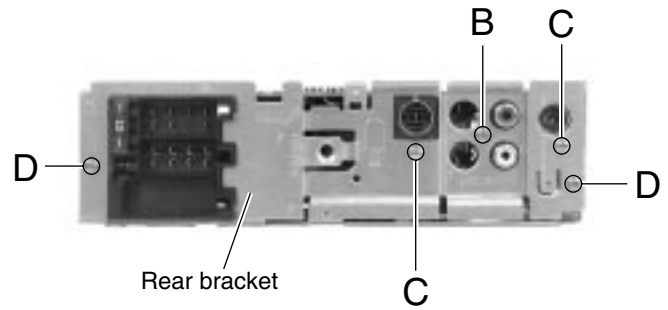


Fig.7

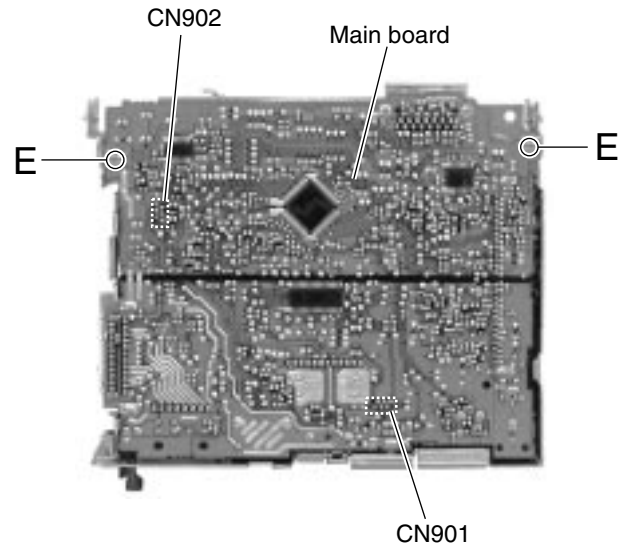


Fig.8

■ Removing the cassette mechanism section (See Fig.9)

· Prior to performing the following procedure, remove the front panel assembly, the front chassis assembly, the heat sink, the bottom cover and the main board.

1. Remove the four screws **F** attaching the cassette mechanism section on the back of the top chassis.

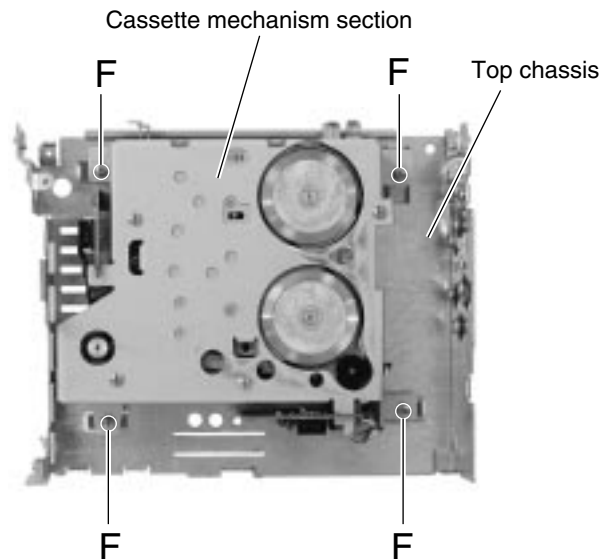


Fig.9

■ **Removing the head amplifier board**
(See Fig.10)

• Prior to performing the following procedure, remove the cassette mechanism section.

1. Disconnect the wire from connector CJ901 on the head amplifier board.
2. Remove the screw **G** and slide the head amplifier board in the direction of the arrow to unjoint the two joints **c** with the mechanism bracket.

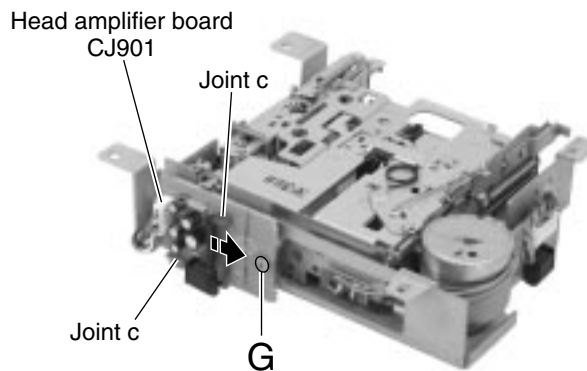


Fig.10

■ **Removing the motor board** (See Fig.11)

• Prior to performing the following procedure, remove the cassette mechanism section.

1. Disconnect the wire from connector CJ902 on the motor board.
2. Remove the screw **H** and slide the motor board in the direction of the arrow to unjoint the joint **d** with the mechanism bracket.

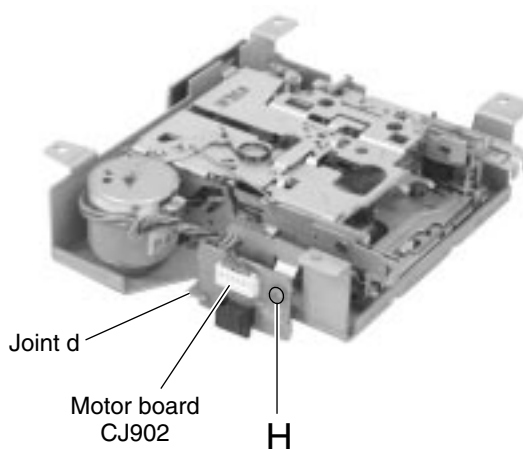


Fig.11

■ **Removing the cassette mechanism assembly**
(See Fig.12)

• Prior to performing the following procedure, remove the cassette mechanism section, the head amplifier board and the motor board.

1. Remove the four screws **I** on the bottom of the cassette mechanism section.

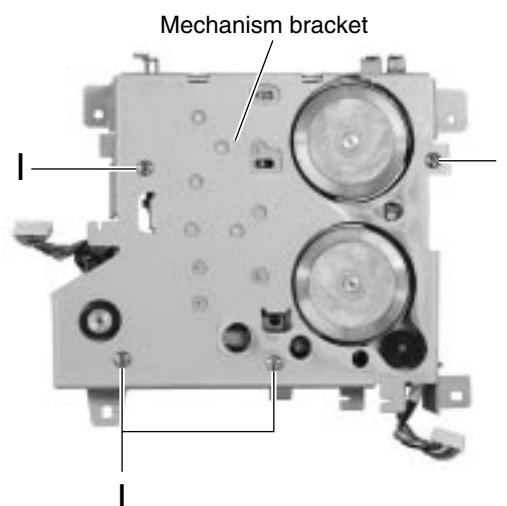


Fig.12

■ Removing the control switch board (See Fig.13 to 15)

- Prior to performing the following procedure, remove the front panel assembly.
1. Remove the four screws **J** attaching the rear cover on the back of the front panel assembly.
 2. Unjoint the six joints **e** with the front panel and the rear cover.
 3. Remove the control switch board on the back of the front panel.

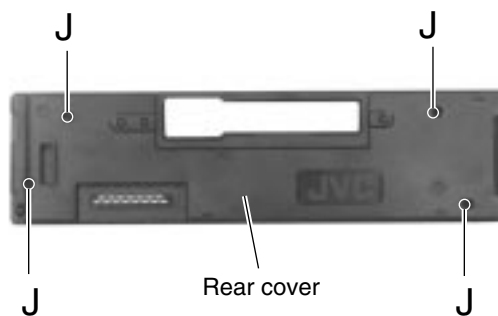


Fig.13

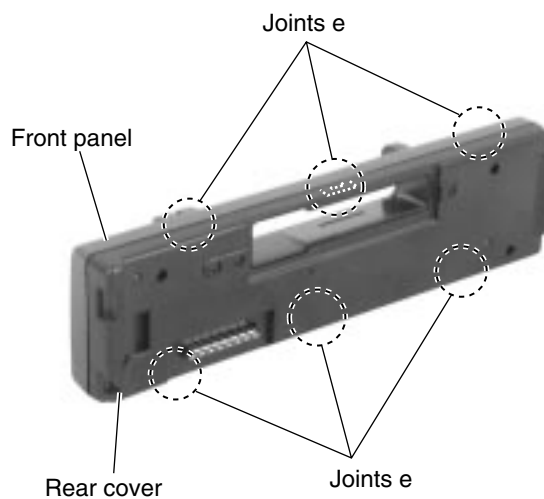


Fig.14

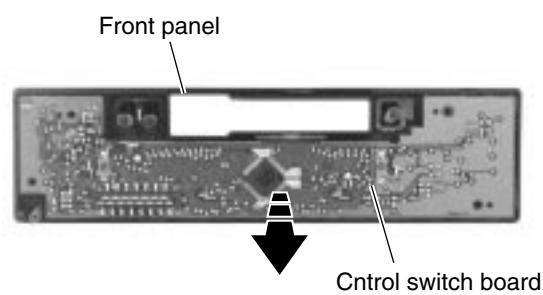


Fig.15

<Cassette mechanism assembly>

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

■ 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.

■ 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**.

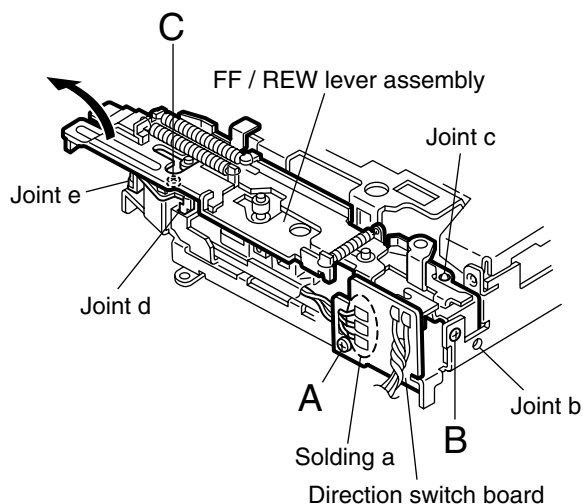


Fig.1

■ 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.

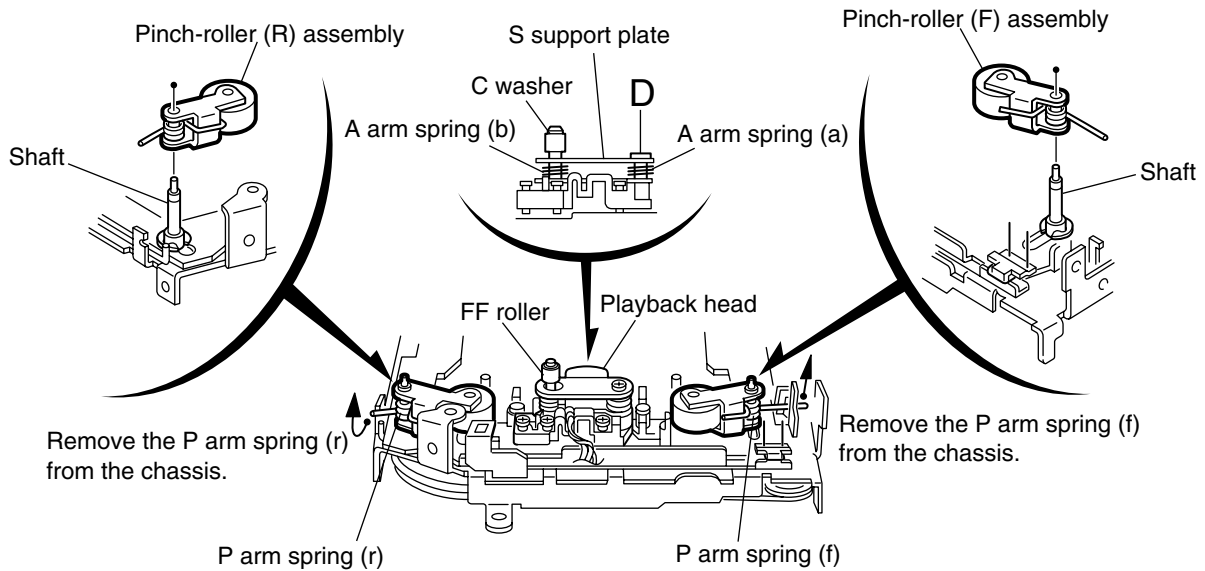


Fig.2

■ 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).

■ 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.

■ 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.

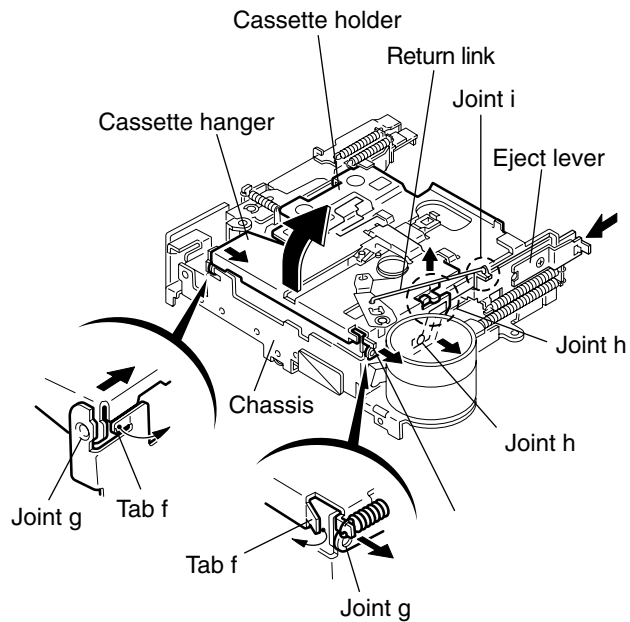


Fig.3

■ 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.

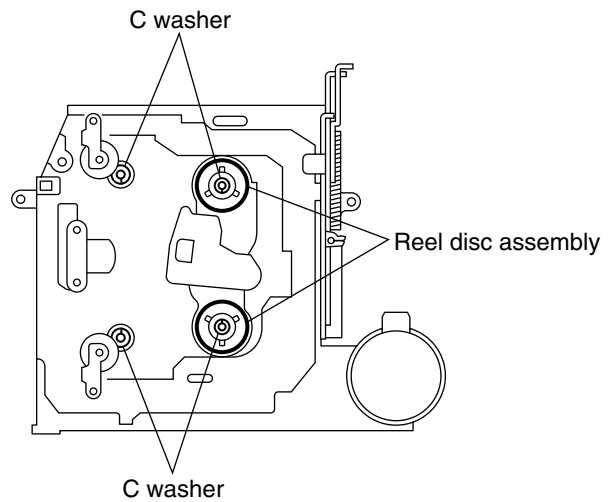


Fig.4

■ Removing the motor assembly (See Fig.5)

1. Unsolder the two wires **j** on the motor assembly.

ATTENTION: To replace the sub-belt, remove the main belt and the sub-belt from the motor pulley. Then remove the three screws **E** and one screw **F**. Replace with a new sub-belt while lifting the reel base assembly slightly.

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.

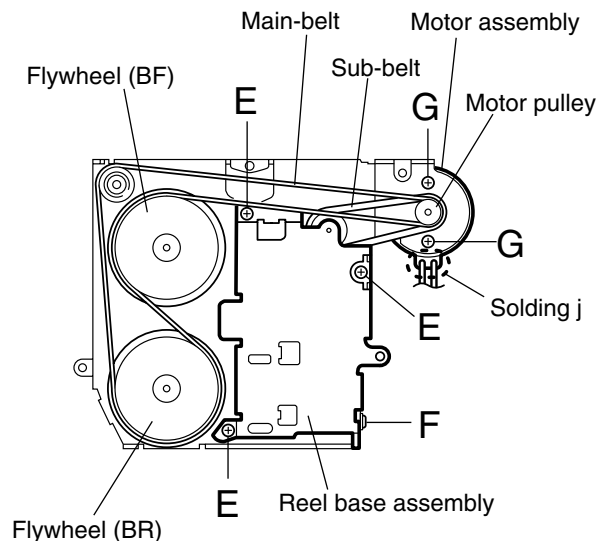


Fig.5

■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.

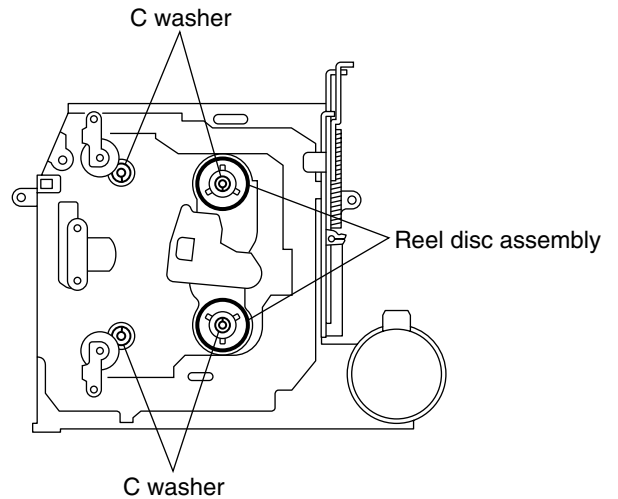


Fig.4

■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.10.
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.

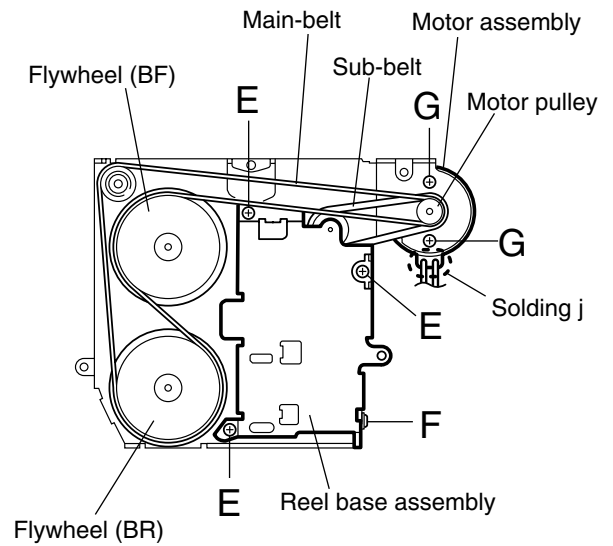


Fig.5

Inside of the reel base assembly

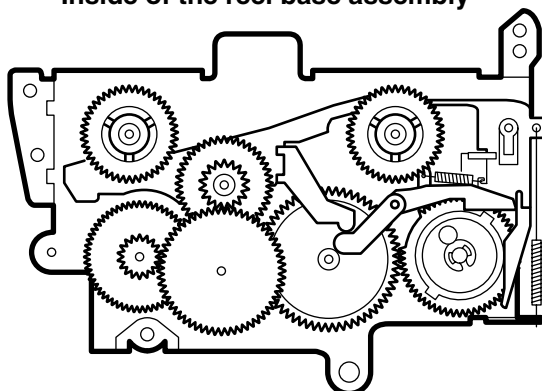


Fig.7

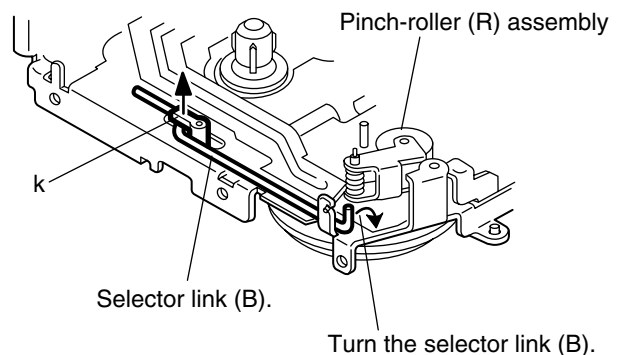


Fig.6

■ **Removing the mute switch board**
(See Fig.8)

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

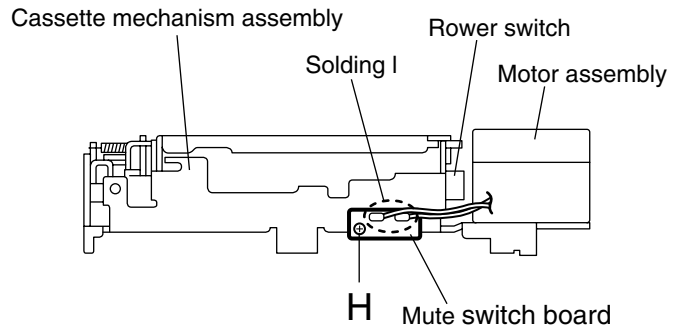


Fig.8

■ **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 **I** attaching the power switch.

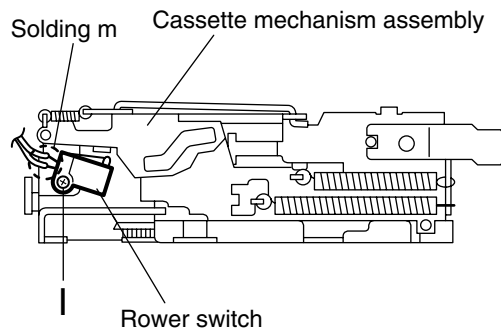


Fig.9

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
(mechanism adjustment)

■ Measuring conditions(Amplifier section)

Power supply voltage DC14.4V (10.5 - 16V)
 Load impedance 4 Ω (2Speakers connection)
 Line out 20k Ω

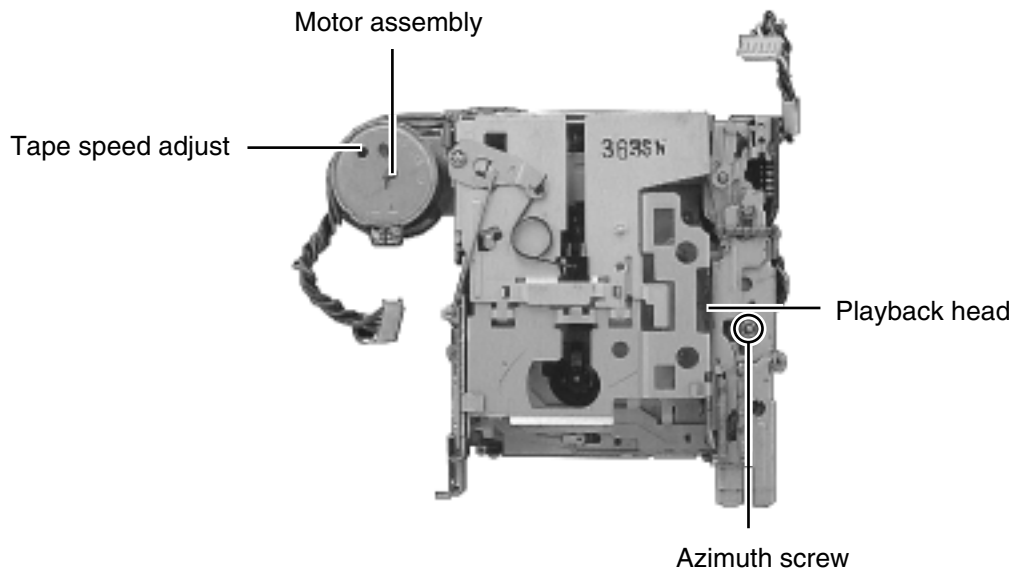
■ Standard volume position

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.

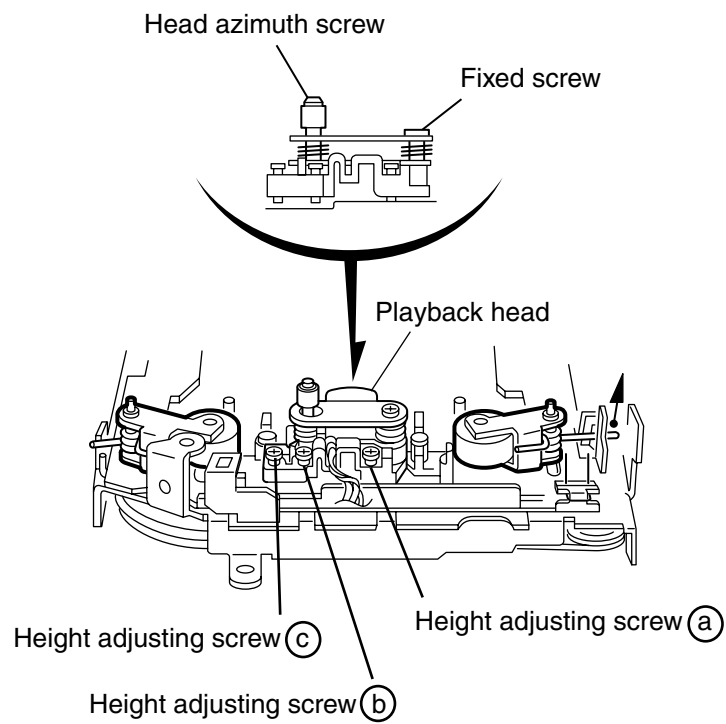
AM mode	999kHz/62dB,INT/400Hz,30% modulation signal on receiving.
FM mono mode	97.9MHz/66dB,INT/400Hz,22.5kHz deviation pilot off mono
FM stereo mode	1kHz,67.5kHz dev. pilot7.5kHz dev.
Output level	0dB(1 μ V,50 Ω /open terminal)

■Arrangement of adjusting & test points

Cassette mechanism
(Surface)



Head section view



■ Information for using a car audio service jig

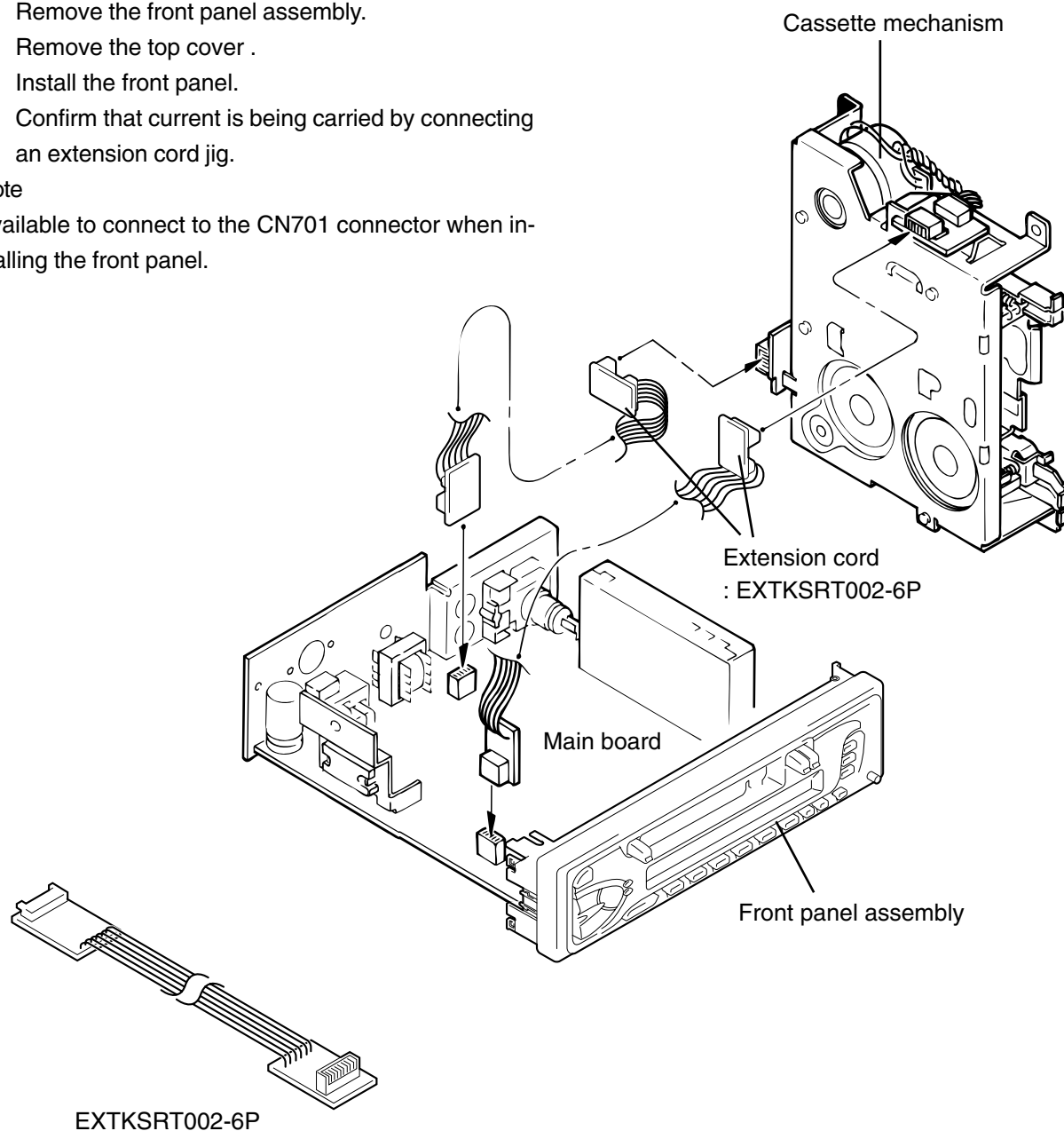
1. For 1995 and 1996, we're advancing efforts to make our extension cords common for all car audio products. Please use this type of extension cord as follows.
2. As a U-shape type top cover is employed, this type of extension cord is needed to check operation of the mechanism assembly after disassembly.
3. Extension cord : EXTKSRT002-6P (6 pin extension cord) For connection between mechanism assembly and main board assembly.
Check for mechanism driving section such as motor ,etc..

■ Disassembly method

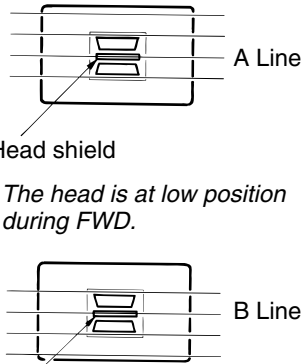
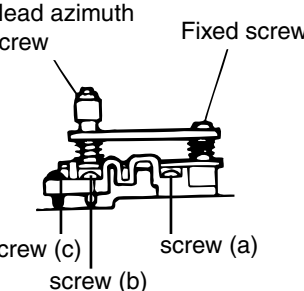
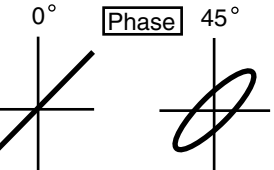
1. Remove the bottom cover.
2. Remove the front panel assembly.
3. Remove the top cover .
4. Install the front panel.
5. Confirm that current is being carried by connecting an extension cord jig.

Note

Available to connect to the CN701 connector when installing the front panel.



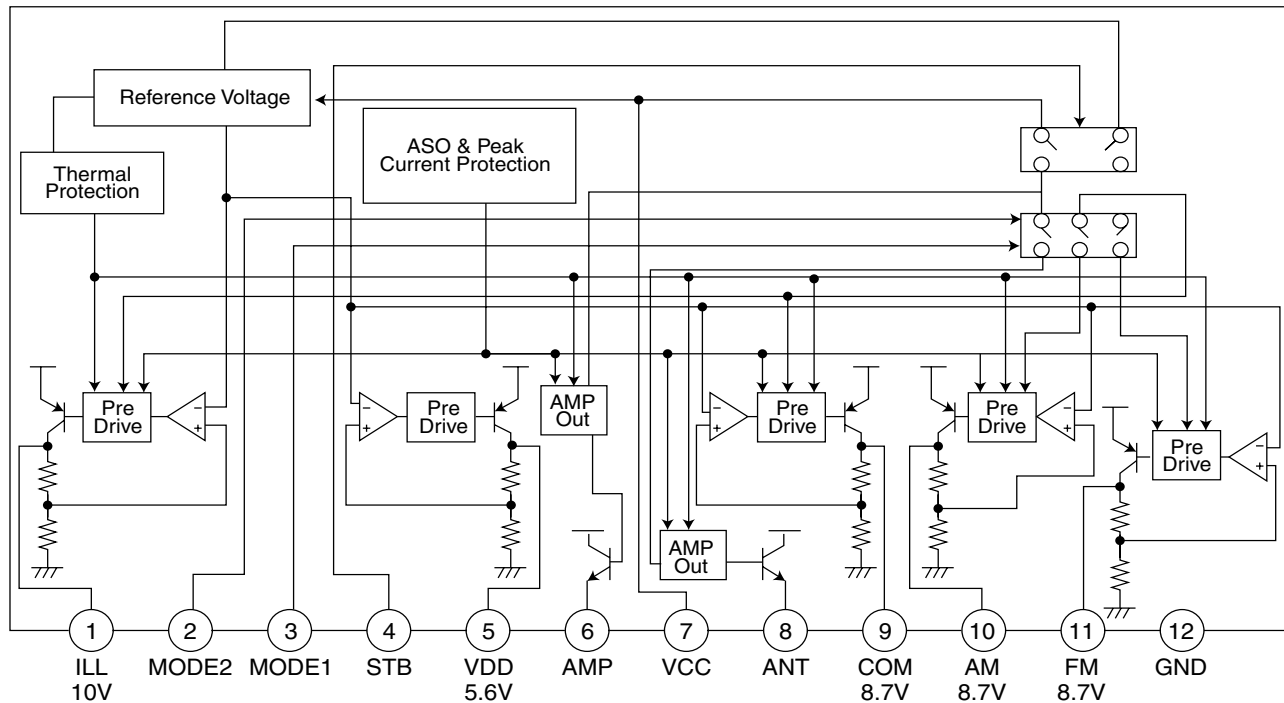
■ Mechanism adjustment section

Item	Adjusting & Confirmation Methods	Adjust	Std. Value
<p>1.Head azimuth</p>	<p>"Head Height Adjustment" Note 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.</p> <ol style="list-style-type: none"> load the mirror tape (SCC-1659). Adjust with height adjustmentscrew (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. 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. Adjust the azimuth screw (b) so that line "B" of the mirror tape runs in the center between Lch and Rch in the forward play mode. <p>"Head Azimuth Adjustment" 1.Load the test tape (VT724: 1kHz) and play it back in the reverse play mode. set the Rch output level to maximum. 2.Load the test tape (VT703: 10kHz) and play it back in the forward play mode. Adjust the Rch and Lch output levels to maximum, 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 maximum, with azimuth adjustment screw (c). *The phase difference should be 45_Kor more. 4.When switching between forward and reverse modes, the difference between channels should be within 3dB. *Between FWD Lch and Rch, REV Lch and Rch. 5.When the test tape (VT721 : 315Hz) is played back, the level difference between channels should be within 1.5dB.</p>	<p>Adjust Std. Value</p>  <p>Head shield</p> <p>The head is at low position during FWD.</p> <p>Head shield</p> <p>The head is at height position during REV.</p>  <p>Head azimuth screw Fixed screw</p> <p>screw (c) screw (a) screw (b)</p>  <p>0° Phase 45°</p>	
<p>2.Tape Speed and Wow & Flutter</p>	<ol style="list-style-type: none"> Check to see if the reading of the frequency counter & Wow flutter meter is within 2940-3090 Hz(FWD/REV), and less than 0.35% (JIS RMS). In case of out of specification, adjust the motor with a built-in volume resistor. 	<p>Built-in volume resistor</p>	<p>Tape Speed 2940-3090Hz Wow&Flutter Less than 0.35% (JIS RMS)</p>
<p>3.Playback Frequency response</p>	<ol style="list-style-type: none"> Play the test tape (VT724 : 1kHz) back and set the volume position at 2V. Play the test tape (VT739)back and confirm 0 ± 3dB at 1kHz/ 8kHz and -4+2dB at 1kHz/125Hz. When 8kHz is out of specification, it will be necessary to read adjust the azimuth. 		<p>Speaker out 1kHz/8kHz : 0dB_3dB, 125Hz/1kHz : -4dB+2dB,</p>

Description of major ICs

■ AN80T05LF (IC961) : Regulator

1. Terminal layout & Block diagram

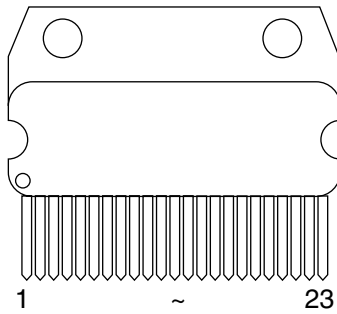


2. Pin function

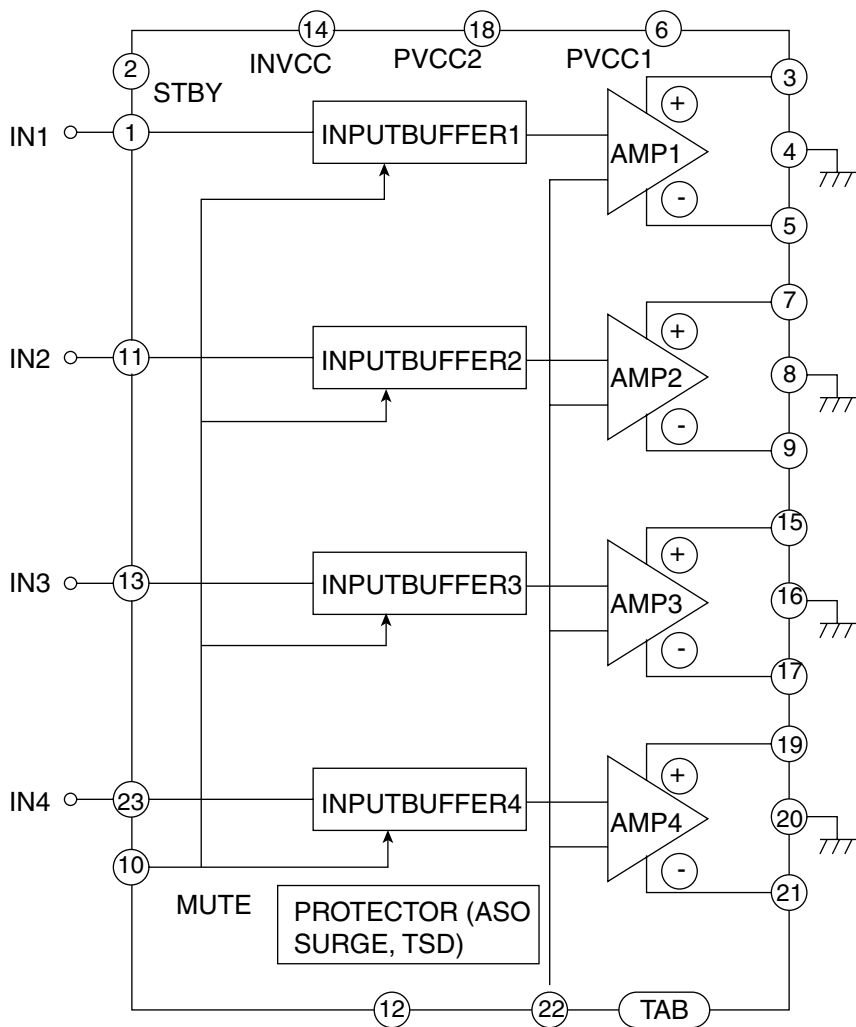
Pin No.	Symbol	Function
1	ILL	10V power supply for illumination.
2	MODE2	When 5V is input, becomes AM. and the antenna output is turned on.
3	MODE1	When 5V is input, becomes AM. and the output of FM is switched.
4	STB	When 5V is input, outputs to ILL, COM, and AMP. It is 0V usually.
5	VDD	5.6V power supply.
6	AMP	Power supply supply to remote amplifier
7	VCC	Back up. connects with ACC with it.
8	ANT	Power supply supply to auto antenna.
9	COM	8.7V power supply.
10	AM	The power supply of 8.7V to AM.
11	FM	The power supply of 8.7V to FM.
12	GND	Ground

■ HA13158A (IC941) : Power amp

1. Pin layout

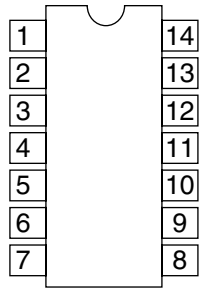


2. Block diagram



■ HD74HC126FP-X (IC751) : Buffer

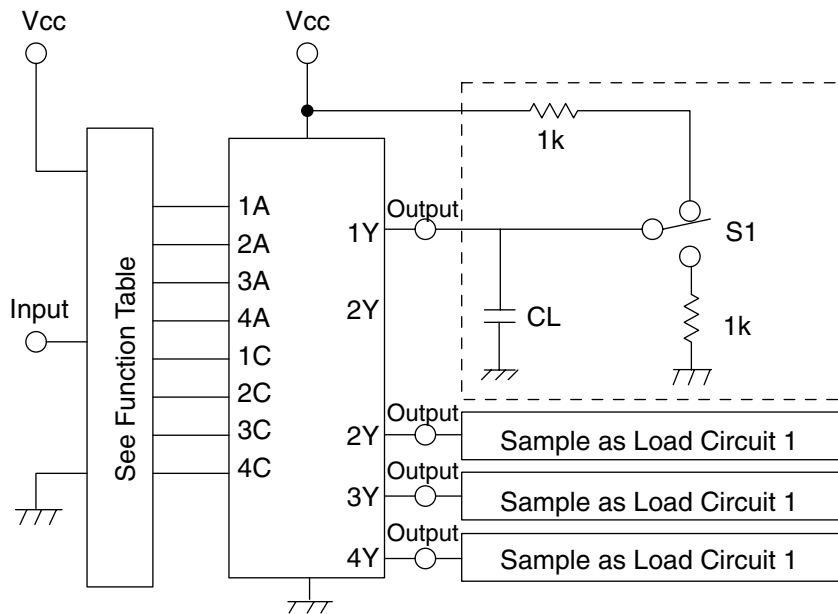
1. Terminal layout



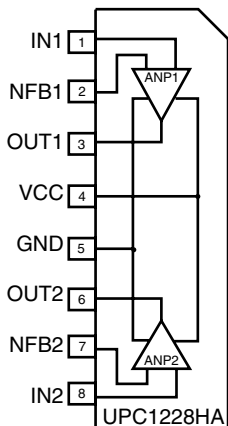
3. Pin function

Input		Outout
C	A	Y
L	X	Z
H	L	H
H	H	L

2. Block diagram

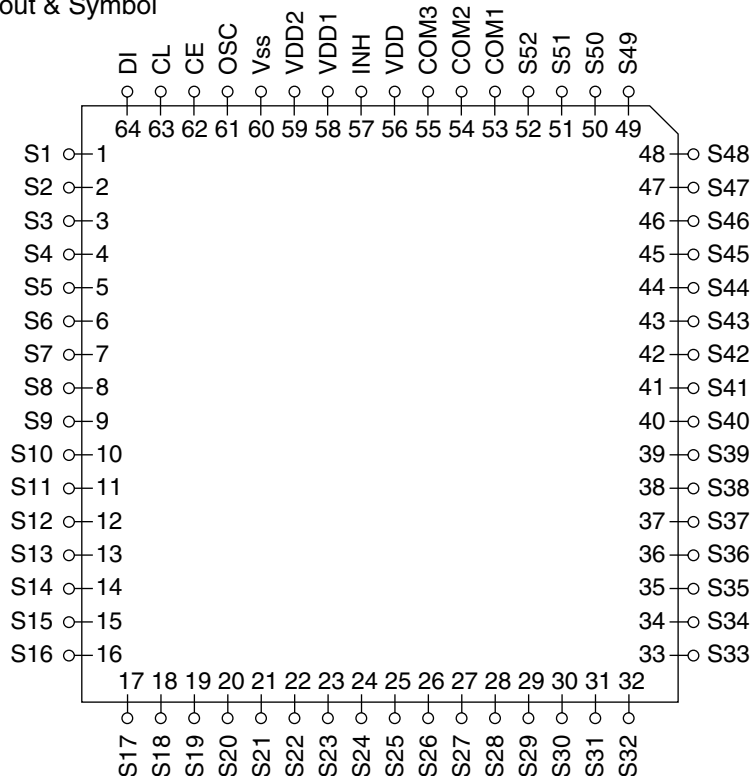


■ UPC1228HA(IC901):Head amp



■ LC75823W (IC651) : LCD driver

1. Pin Layout & Symbol

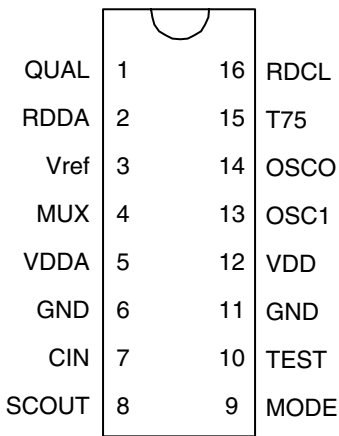


2. Pin Function

Pin No.	Symbol	I/O	Function
1 to 52	S1 to S52	O	Segment output pins used to display data transferred by serial data input.
53 to 55	COM1 to COM3	O	Common driver output pins. The frame frequency is given by : $t_0 = (f_{osc}/384)Hz$.
56	VDD	--	Power supply connection. Provide a voltage of between 4.5 and 6.0V.
57	\overline{INH}	I	Display turning off input pin. $\overline{INT} = "L"$ (Vss) ----- off (S1 to S52, COM1 to COM3="L") $\overline{INT} = "H"$ (VDD)----- on Serial data can be transferred in display off mode.
58	VDDD1	I	Used for applying the LCD drive 2/3 bias voltage externally. Must be connected to VDD2 when a 1/2 bias drive scheme is used.
59	VDD2	I	Used for applying the LCD drive 1/3 bias voltage externally. Must be connected to VDD1 when a 1/2 bias drive scheme is used.
60	Vss	--	Power supply connection. Connect to GND.
61	OSC	I/O	Oscillator connection. An oscillator circuit is formed by connecting an external resistor and capacitor at this pin.
62	CE		Serial data interface connection CE : Chip enable
63	CL	I	to the controller. CL : Sync clock
64	DI		DI : Transfer data

■ SAA6579T-X(IC761):RDS Detector

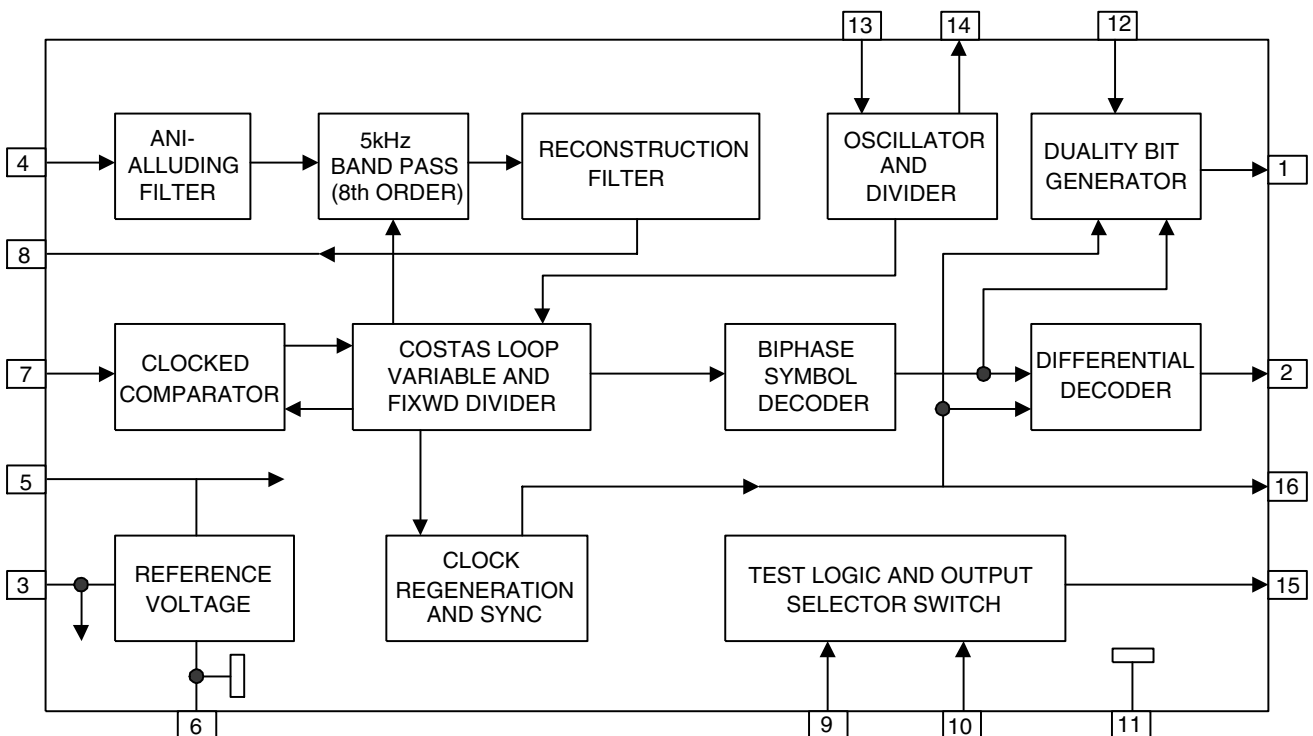
1.Terminal Layout



2.Pin Function

Pin No.	Symbol	I/O	Function
1	QUAL	-	Non connect
2	RDDA	O	RDS data output
3	Vref	O	Reference voltage output
4	MUX	I	Multiplex signal input
5	VDDA	-	+5V Supply voltage for analog
6	GND	-	Ground for analog part (0V)
7	CIN	I	Sub carrier output of reconstruction filter
8	SCOUT	O	Ground for digital part (0V)
9	MODE	-	Ground for digital part (0V)
10	TEST	-	Ground for digital part (0V)
11	GND	-	Ground for digital part (0V)
12	VDD	-	+5V supply voltage for digital part
13	OSC1	I	Oscillator input
14	OSC0	O	Oscillator output
15	T75	-	Non connect
16	RDCL	O	RDS clock output

3.Block Diagram

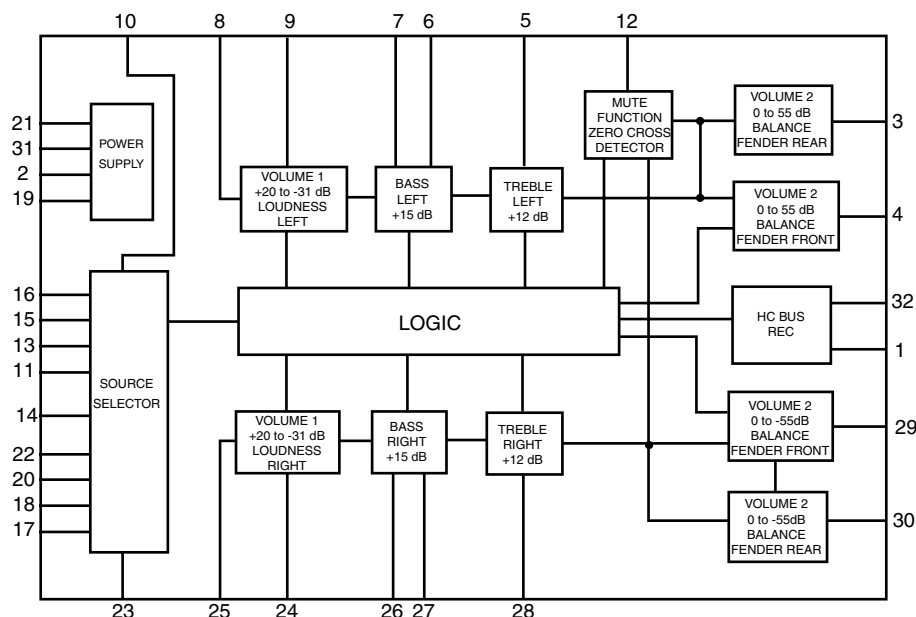


■ TEA6320T-X (IC911) : E.volume

1.Pin layout

SDA	1	32	SCL	
GND	2	31	VCC	
OUTLR	3	30	OUTRR	
OUTLF	4	29	OUTRF	
TL	5	28	TR	
B2L	6	27	B2R	
B1L	7	26	B1R	
IVL	8	25	IVR	
ILL	9	24	ILR	
QSL	10	23	QSR	
IDL	11	22	IDR	
MUTE	12	21	Vref	
ICL	13	CD-CH	20	ICR
IMD	14	19	CAP	
IBL	15	TAPE	18	IBR
IAL	16	TUNER	17	IAR

2.Block diagram



3.Pin functions

Pin No.	Symbol	I/O	Functions	Pin No.	Symbol	I/O	Functions
1	SDA	I/O	Serial data input/output.	17	IAR	I	Input A right source.
2	GND	-	Ground.	18	IBR	I	Input B right source.
3	OUTLR	O	output left rear.	19	CAP	-	Electronic filtering for supply.
4	OUTLF	O	output left front.	20	ICR	I	Input C right source.
5	TL	I	Treble control capacitor left channel or input from an external equalizer.	21	Vref	-	Reference voltage (0.5Vcc)
6	B2L	-	Bass control capacitor left channel or output to an external equalizer.	22	IDR	-	Not used
7	B1L	-	Bass control capacitor left channel.	23	QSR	O	Output source selector right channel.
8	IVL	I	Input volume 1. left control part.	24	ILR	I	Input loudness right channel.
9	ILL	I	Input loudness. left control part.	25	IVR	I	Input volume 1. right control part.
10	QSL	O	Output source selector. left channel.	26	B1R	-	Bass control capacitor right channel
11	IDL	-	Not used	27	B2R	O	Bass control capacitor right channel or output to an external equalizer.
12	MUTE	-	Not used	28	TR	I	Treble control capacitor right channel or input from an external equalizer.
13	ICL	I	Input C left source.	29	OUTRF	O	Output right front.
14	IMO	-	Not used	30	OUTRR	O	Output right rear.
15	IBL	I	Input B left source.	31	Vcc	-	Supply voltage.
16	IAL	I	Input A left source.	32	SCL	I	Serial clock input.

< MEMO >

JVC

VICTOR COMPANY OF JAPAN, LIMITED
MOBILE ELECTRONICS DIVISION

PERSONAL & MOBILE NETWORK BUSINESS UNIT. 10-1,1Chome,Ohwatari-machi,Maebashi-city,Japan

JVC

SERVICE MANUAL

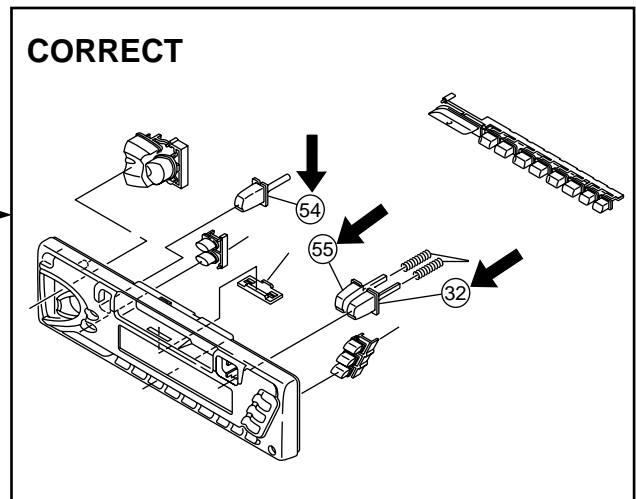
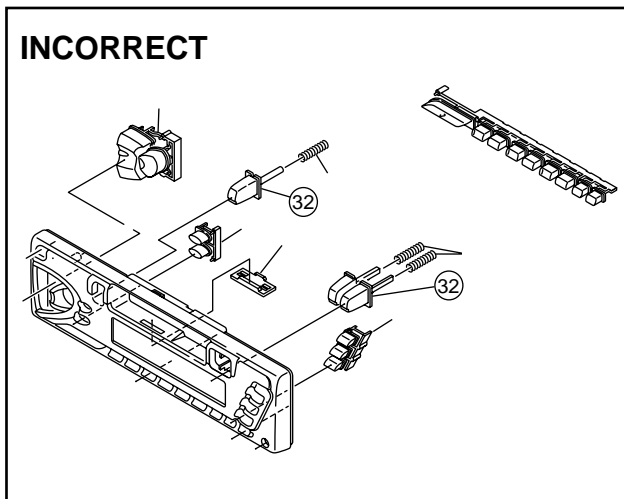
CASSETTE RECEIVER

KS-FX460R / KS-FX463R

Supplement

Area Suffix
E - - - - Continental Europe

***In this model (Issue number.49578)
Please list changed to next item.Please follow the description.**



Parts list (General assembly)

P3-3

Block No. M1MM

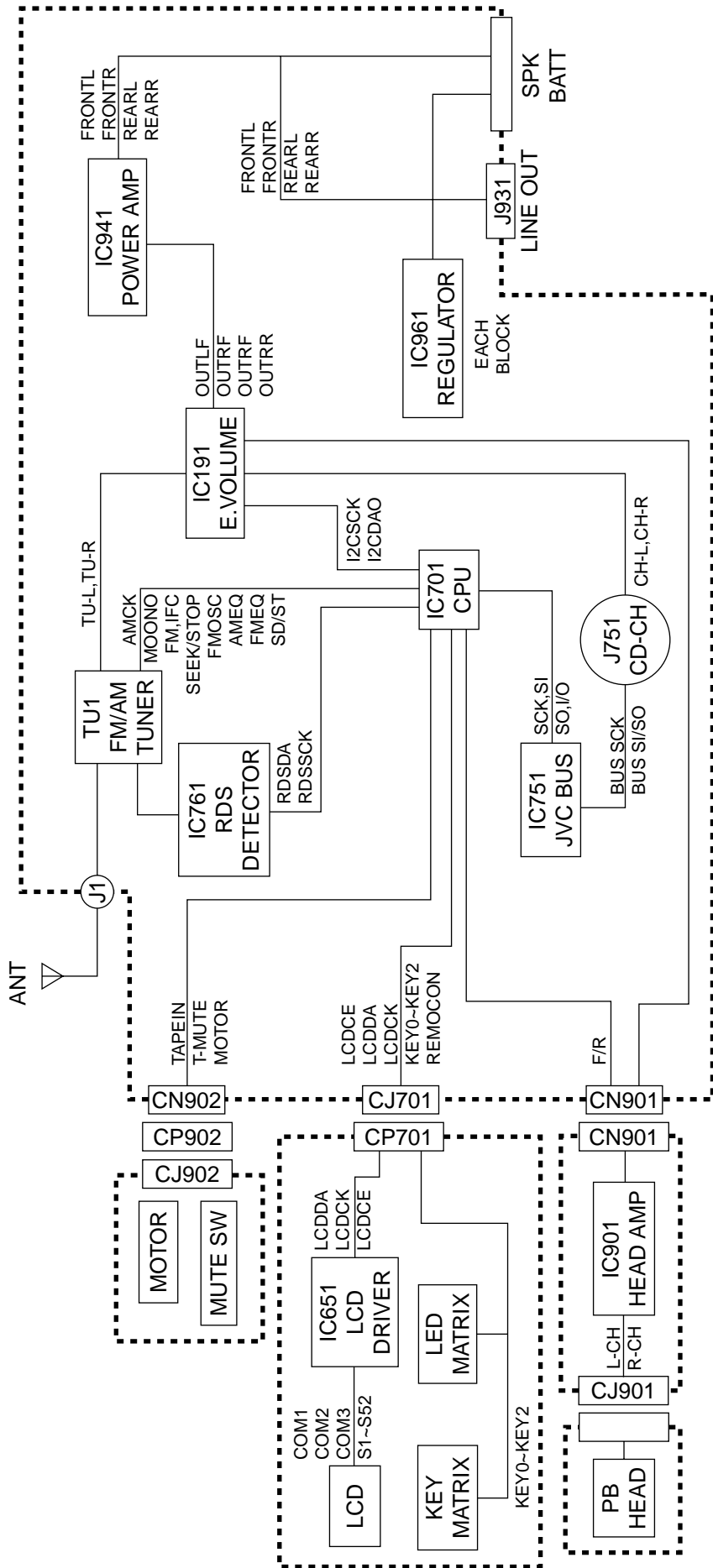
▲	Item	Parts name	Parts number		Q'ty
			Incorrect	Correct	
	32	FF BUTTON	FSXP4007-00A	FSXP3066-001	1
	54	EJECT BUTTON	-----	FSXP3065-001	1
	55	REW BUTTON	-----	FSXP3067-001	1

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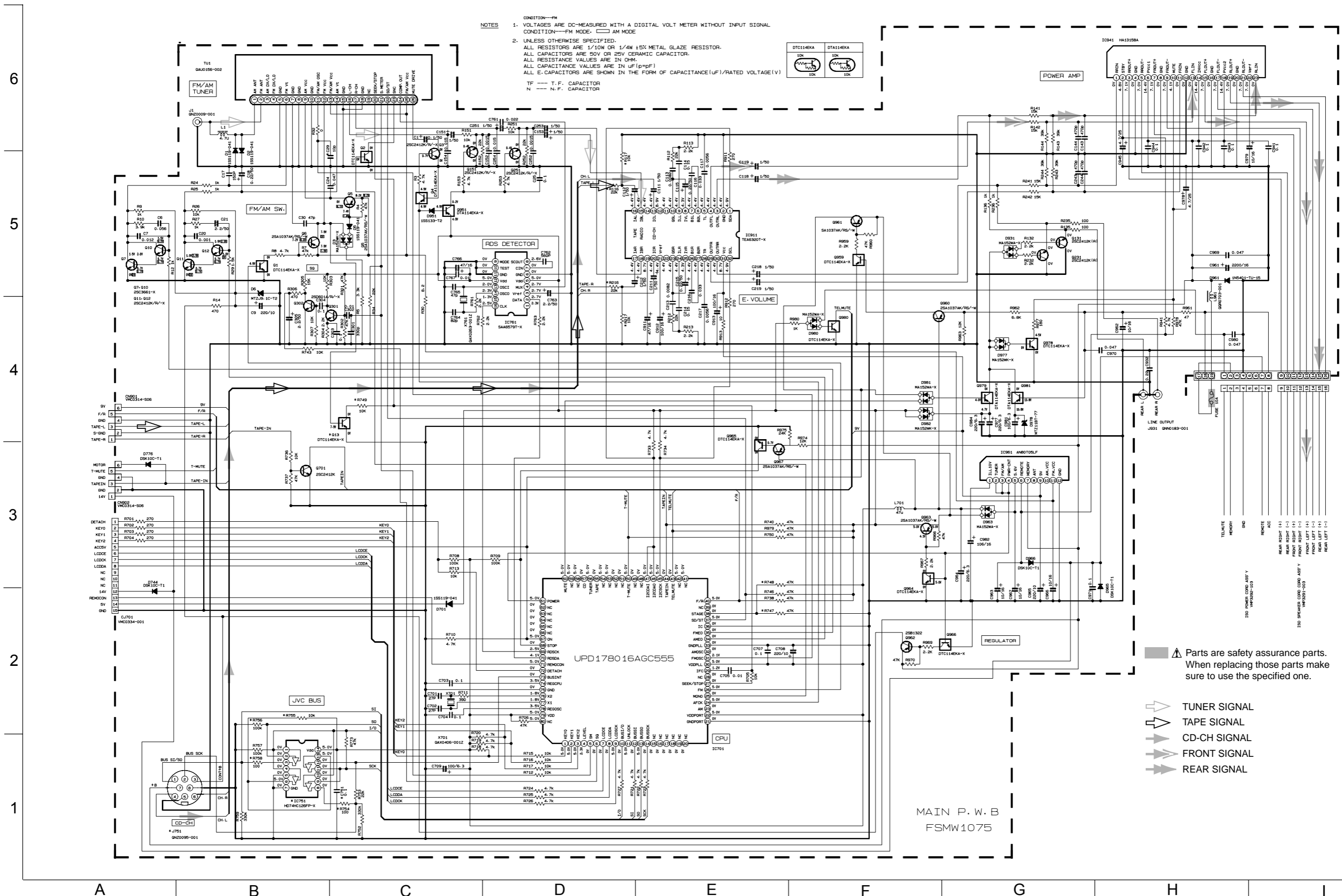
Block diagram



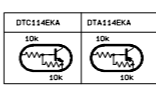
< M E M O >

Standard schematic diagrams

Main amp section



CONDITION—FM
 NOTES 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
 CONDITION—FM MODE. □ AM MODE
 2. UNLESS OTHERWISE SPECIFIED,
 ALL RESISTORS ARE 1/10W OR 1/4W 1% METAL GLAZE RESISTOR.
 ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
 ALL RESISTANCE VALUES ARE IN OHM.
 ALL CAPACITANCE VALUES ARE IN UF (μPF)
 ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (UF)/RATED VOLTAGE (V)
 TF — T. F. CAPACITOR
 Z — N. F. CAPACITOR



▲ Parts are safety assurance parts.
 When replacing those parts make sure to use the specified one.

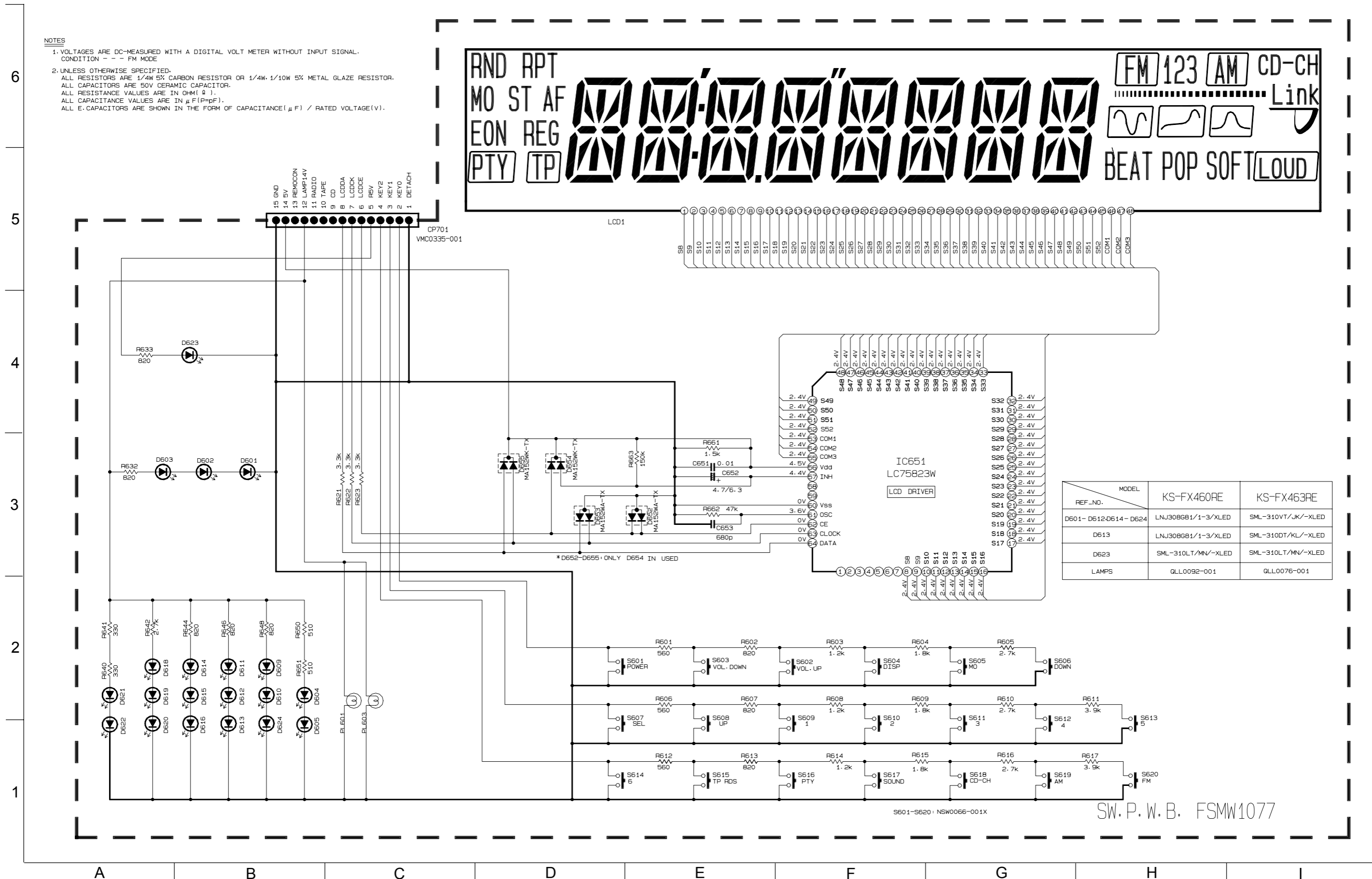
- ▶ TUNER SIGNAL
- ▶ TAPE SIGNAL
- ▶ CD-CH SIGNAL
- ▶ FRONT SIGNAL
- ▶ REAR SIGNAL

MAIN P. W. B
 FSMW1075

■ LCD & Key control section

NOTES

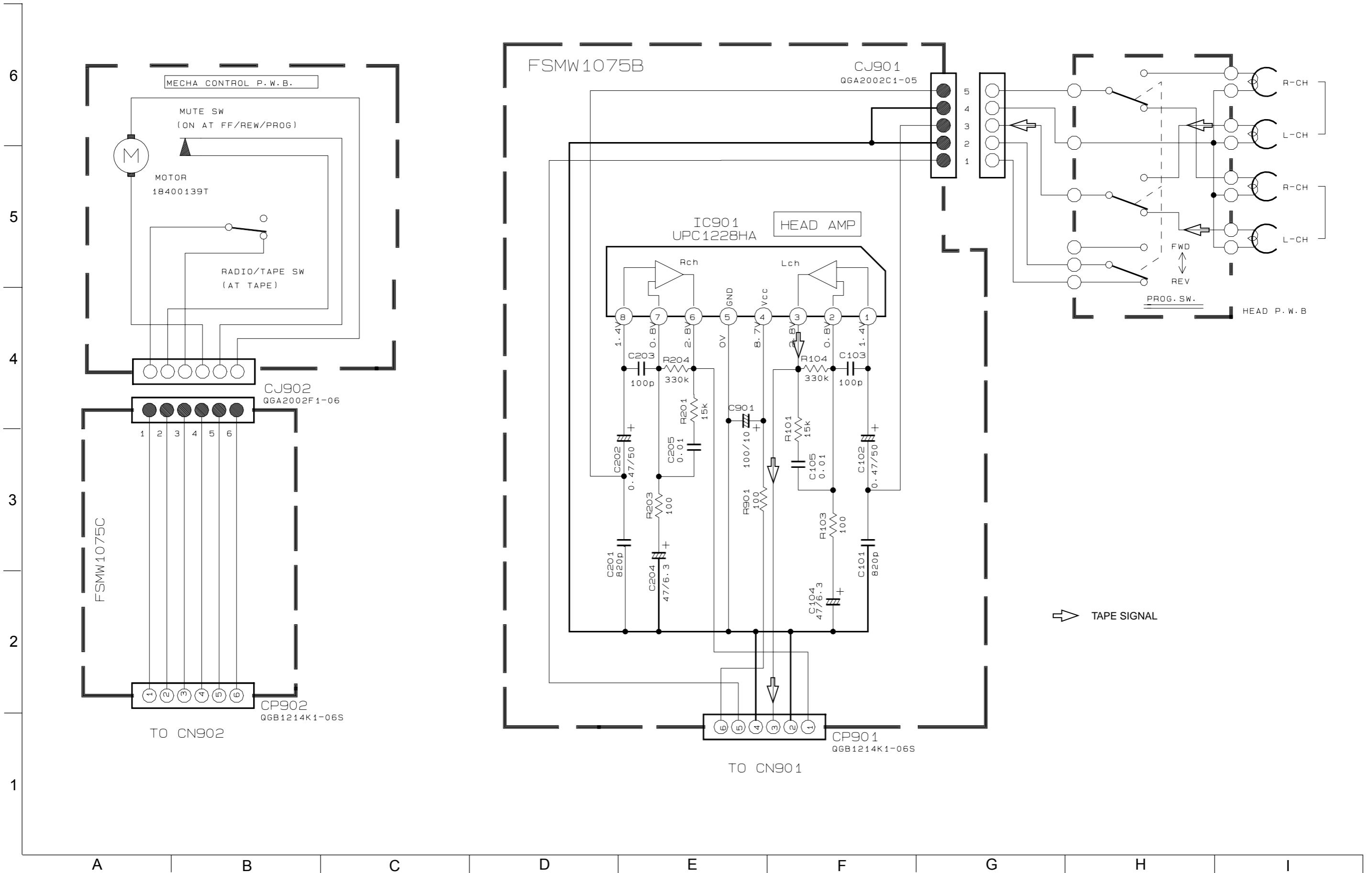
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION - - - FM MODE.
- UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/4W 5% CARBON RESISTOR OR 1/4W-1/10W 5% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITANCE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



REF. NO.	MODEL	KS-FX460RE	KS-FX463RE
D601- D612-D614 - D624		LNJ308G81/1-3/XLED	SML-310VT/JK/-XLED
D613		LNJ308G81/1-3/XLED	SML-310DT/KL/-XLED
D623		SML-310LT/MN/-XLED	SML-310LT/MN/-XLED
LAMPS		QLL0092-001	QLL0076-001

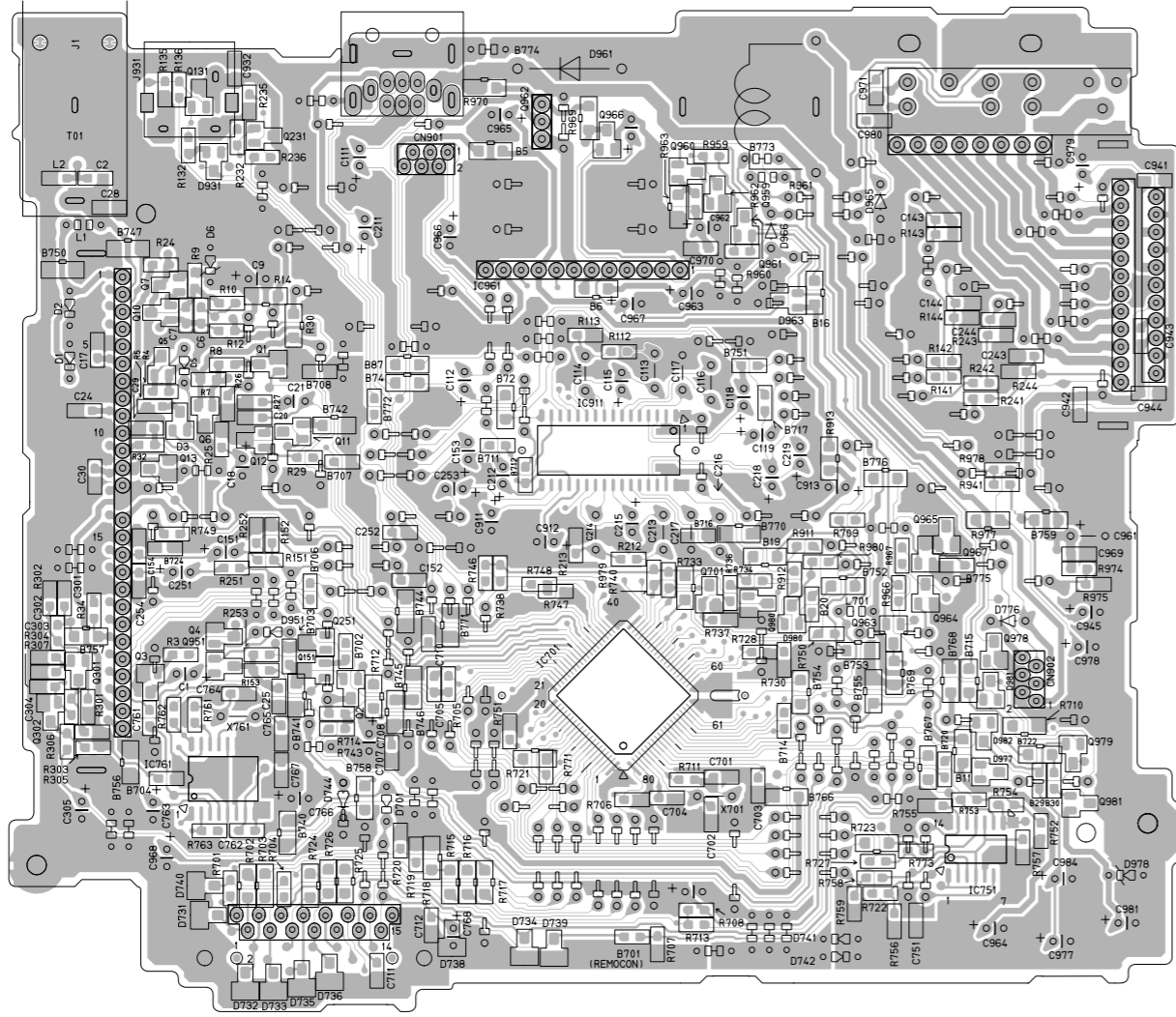
SW. P. W. B. FSMW1077

■ Head amp & Mecha control section

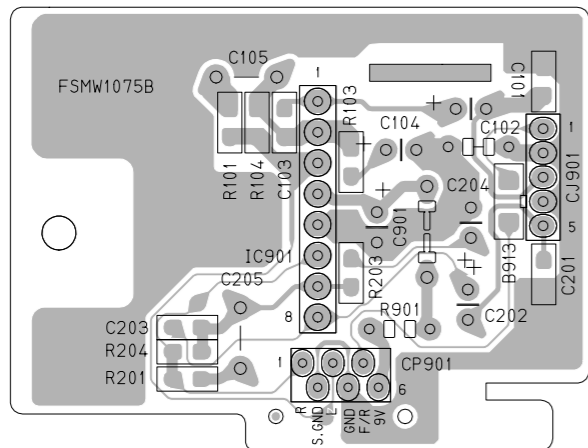


Printed circuit boards

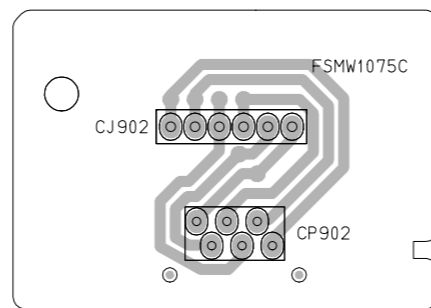
■ Main board



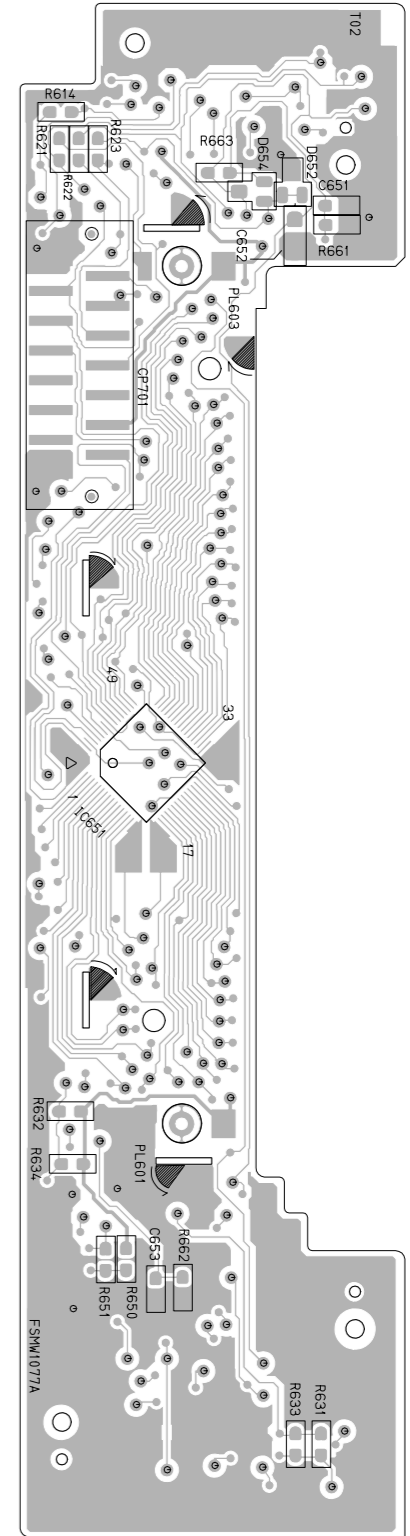
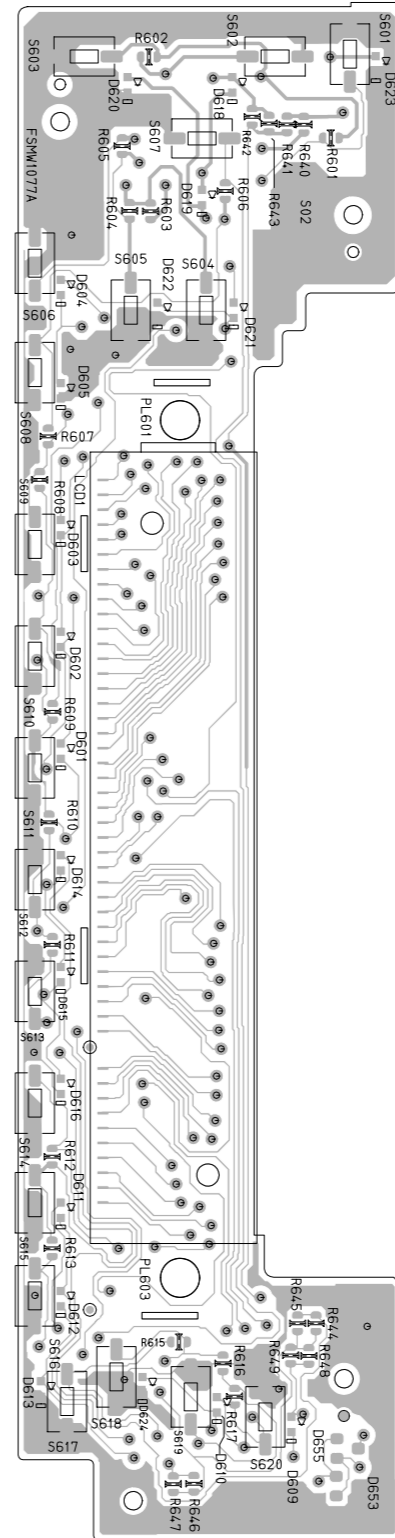
■ Head amp board



■ Motor control board



■ LCD & key control board



6
5
4
3
2
1

A B C D E F G H I

PARTS LIST

[KS-FX460R]

[KS-FX463R]

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

Area suffix
E ----- Continental Europe

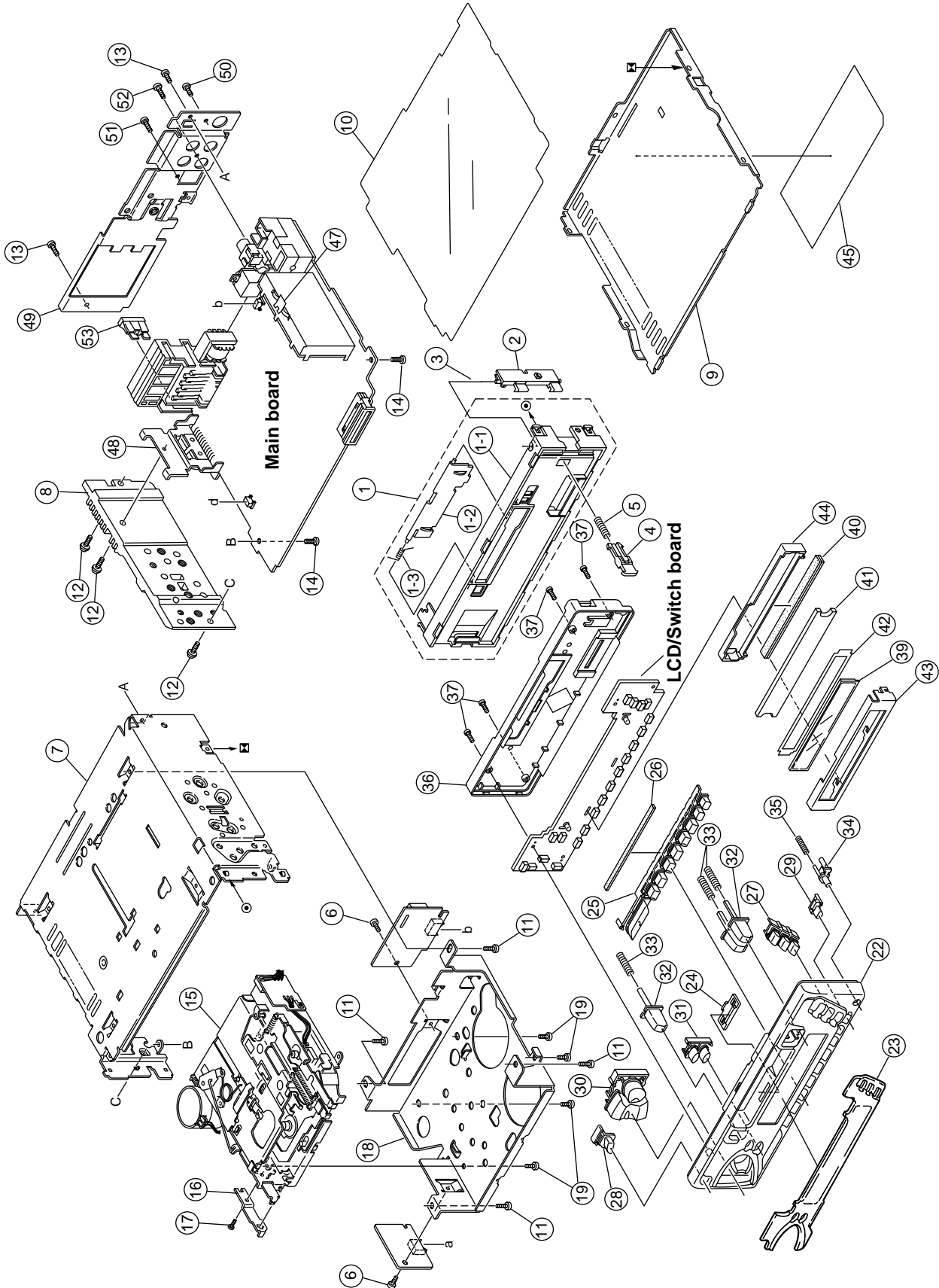
- Contents -

Exploded view of general assembly and parts list	3- 2
Cassette mechanism assembly and parts list	3- 5
Electrical parts list	3-10
Packing materials and accessories parts list	3-14

Exploded view of general assembly and parts list

Block No.

M	1	M	M
---	---	---	---



Parts list(General assembly)

Block No. M1MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	1	ZCKSFX12J-FB	F.PANEL ASSY	1		
	1-1	FSJC1055-001	FRONT CHASSIS	1		
	1-2	FSJC4003-027	CASSETTE LID	1		
	1-3	VKW4947-002	DOOR SPRING	1		
	2	FSKS3010-001	LOCK LEVER	1		
	3	FSKW4005-003	TORSION SPRING	1		
	4	FSXP3026-002	RLS KNOB	1		
	5	FSKW3002-004	COMP.SPRING	1		
	6	QYSDST2605Z	SCREW	2	PCB+MECHA	
	7	FSJC1029-015	TOP CHASSIS	1		
	8	FSMH3001-002	SIDE PANEL	1		
	9	FSKM3011-002	BOTTOM COVER	1		
	10	FSMA3004-003	INSULATOR	1		
	11	QYSDST2605Z	SCREW	4	CHASSIS+MECHA B	
	12	FSKZ4005-001	SCREW	3	CHASSIS+SIDE PA	
	13	QYSDST2604Z	SCREW	2	CHASSIS+REAR BK	
	14	QYSDST2606Z	SCREW	2	CHASSIS+MAIN PW	
	15	-----	CDS-363SJ1	1	MECHA W/O METAL	
	16	VKL7821-001	EJECT LEVER	1		
	17	QYSPSPT2625Z	MINI SCREW	1		
	18	FSKM2005-002	MECHA BRACKET	1		
	19	QYSDSP2604Z	SCREW	4	MECHA+M.BKT	
	22	FSJC1053-006	FRONT PANEL	1		
	23	FSJD3022-00G	FINDER LENS	1	KS-FX460R	
		FSJD3022-00H	FINDER LENS	1	KS-FX463R	
	24	FSJK3014-001	LIGHT LENS	1		
	25	FSXP2035-102	PRESET BUTTON	1		
	26	FSYH4036-031	SHEET	1	PRESET BTN	
	27	FSXP2034-037	D.FUNC BUTTON	1	FM/AM/CD-CH	
	28	FSXP3053-002	POWER BUTTON	1		
	29	FSXP4005-026	BBE BUTTON	1		
	30	FSXP2044-001	COMBO BUTTON	1		
	31	FSXP3068-002	PUSH BUTTON	1		
	32	FSXP4007-00A	BUTTON ASS'Y	1	FF/REW/EJECT	
	33	FSKW3002-003	COMP. SPRING	3	FOR REW BUTTON	
	34	FSXP3055-001	DETACH BUTTON	1		
	35	FSKW3002-012	COMP. SPRING	1	FOR DETACH BUTT	
	36	FSJC1054-001	REAR COVER	1		
	37	VKZ4777-001	MINI SCREW	4	F.PANEL+REAR CO	
	39	QLD0145-001	LCD MODULE	1		
	40	QNZ0439-001	RUBBER CONNE	1		
	41	FSJK3034-001	LCDLENS	1		
	42	FSYH4076-001	LIGHTING SHEET	1		
	43	FSYH3022-001	LCD CASE	1		
	44	FSKS3021-001	LENS CASE	1		
	45	GE30127-002A	NAME PLATE	1	KS-FX460R	
		GE30128-002A	NAME PLATE	1	KS-FX463R	
	47	VMA4652-001SS	EARTH PLATE	1		

■ Parts list(General assembly)

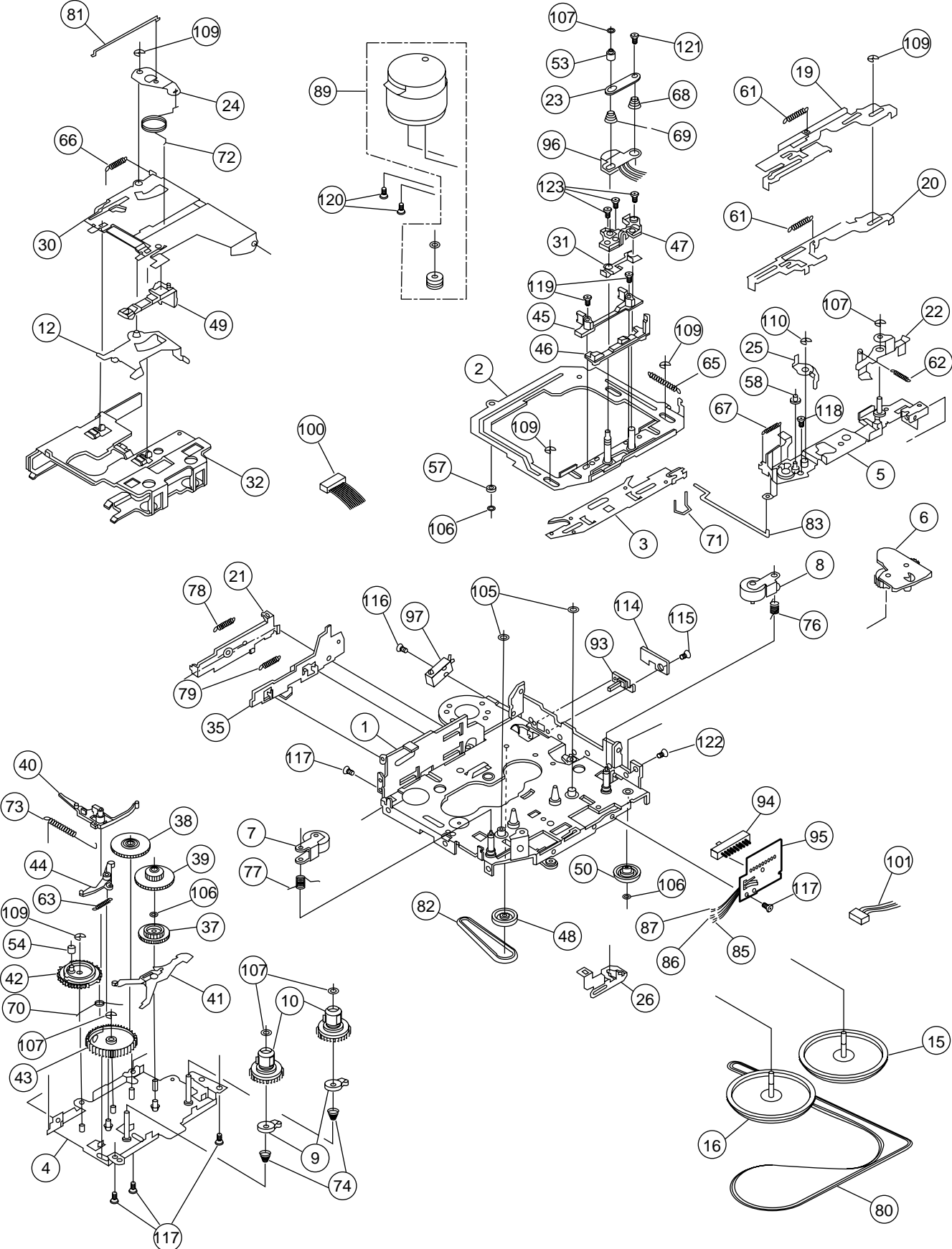
Block No. M1MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	48	FSKL4018-00B	IC BRACKET	1		
	49	FSKM3012-011	REAR BRACKET	1		
	50	QYSDST2606Z	SCREW	1		
	51	QYSDST2606Z	SCREW	1		
	52	QYSDSF3006Z	SCREW	1		
△	53	QMFZ047-100-T	FUSE	1		

Cassette mechanism assembly and parts list

CDS-363SJ1

Block No. **M** **2** **M** **M**



■ Parts list(Cassette mechanism)

Block No. M2MM

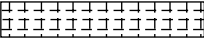


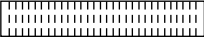

△	Item	Parts number	Parts name	Q'ty	Description	Area
	1	X-0363-1001S	MAIN CHASSIS AS	1		
	2	X-0363-1002S	HEAD PLATE ASSY	1		
	3	X-0363-1004S	FR CONVERT ARM	1	(A)	
	4	X-0363-6001S	REEL BASE ASSY	1		
	5	X-0363-6007S	LEVER BRACKET	1	(HD)	
	6	X-0363-6003S	TU GEAR ARM ASS	1		
	7	X-0363-6004S	PINCH ARM(R) AS	1		
	8	X-0363-6005S	PINCH ARM(F) AS	1		
	9	X-0363-6006S	DETECTOR CAM AS	2	(V)	
	10	X-0363-2005S	REEL SPINDLE AS	2		
	12	X-0363-1019S	EJ.CAM LOCK ASS	1		
	15	1-0363-6010S	FLYWHEEL ASSY(F	1	CPL	
	16	1-0363-6011S	FLYWHEEL ASSY(R	1	CPL	
	19	1-0036-1065S	FF LEVER(JVC)	1		
	20	1-0036-1066S	REW LEVER(JVC)	1		
	21	1-0036-1007S	EJECT LEVER	1		
	22	1-0036-1013S	LOCK ARM	1		
	23	1-0036-1015S	SPG SUPPORT PLT	1		
	24	1-0036-1018S	CENTER PLATE	1		
	25	1-0036-1023S	CHANGE LEVER(B)	1		
	26	1-0036-1026S	FR ARM(B)	1		
	30	1-0138-1002S	CASSETTE HANGER	1	(X)	
	31	1-0138-1006S	ADJUSTER SHIM	1	(X)	
	32	1-0138-1010S	CASSETTE HOLDER	1	(X)	
	35	1-0363-1003S	EJECT CAM	1		
	37	1-0036-2001S	IDLE GEAR	1		
	38	1-0036-2003S	REDUCTION GEAR	1	(B)	
	39	1-0036-2004S	REDUCTION GEAR	1	(A)	
	40	1-0036-2007-5S	RATCHET	1		
	41	1-0036-2009S	SENSOR ARM	1		
	42	1-0036-2010S	SELECTOR GEAR	1		
	43	1-0036-2014S	DETECTOR GEAR	1		
	44	1-0038-2014S	GEAR LOCK ARM	1		
	45	1-0038-2018S	TAPE GUIDE	1		
	46	1-0363-2006S	ADJUSTER LINK(B	1		
	47	1-0138-2005-3S	ADJUSTER ARM	1	BLUE	
	48	1-0036-2005S	PULLEY GEAR	1		
	49	1-0032-2007S	TAPE HOOKER	1		
	50	1-0058-2021-5S	IDLE PULLEY(A)	1		
	53	1-0363-3018S	FF ROLLER	1		
	54	1-0036-3018S	COLLAR	1	(SELECTOR GEAR)	
	57	1-0363-3007S	HP ROLLER(A)	1		
	58	1-0363-3011S	PROGRAM ROLLER	1		
	61	1-0036-4001S	FF/REW LEVER SP	2		
	62	1-0036-4002S	LOCK LEVER SPG	1		
	63	1-0036-4003S	G.LOCK ARM SPG	1		
	65	1-0036-4006S	HEAD PLATE SPG	1		
	66	1-0036-4007S	EJ.CAM LOCK SPG	1		

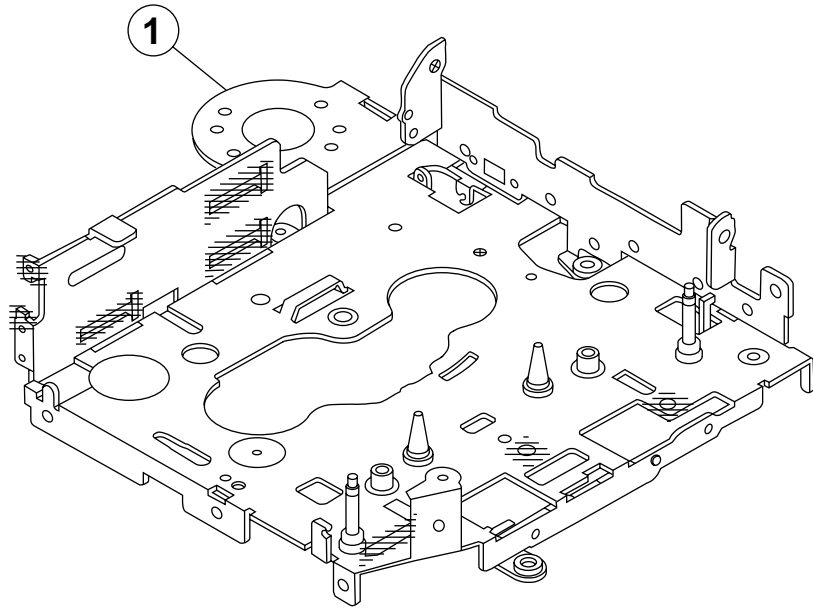
Parts list(Cassette mechanism)

Block No. M2MM

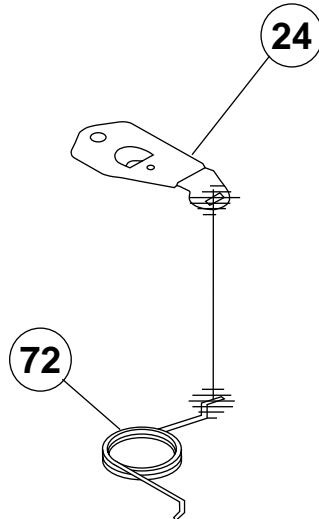
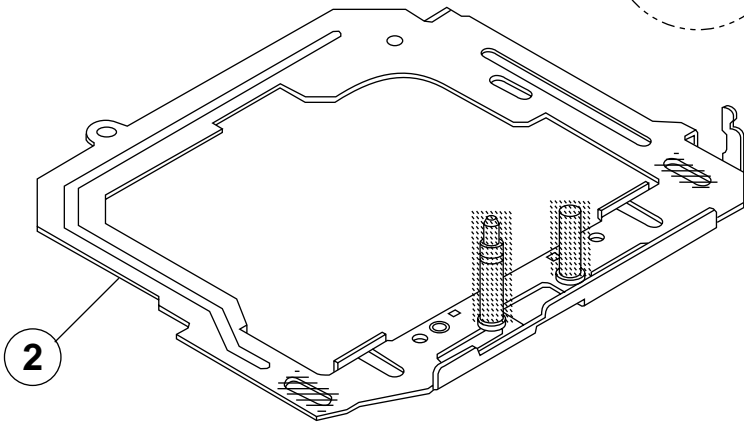
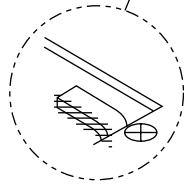
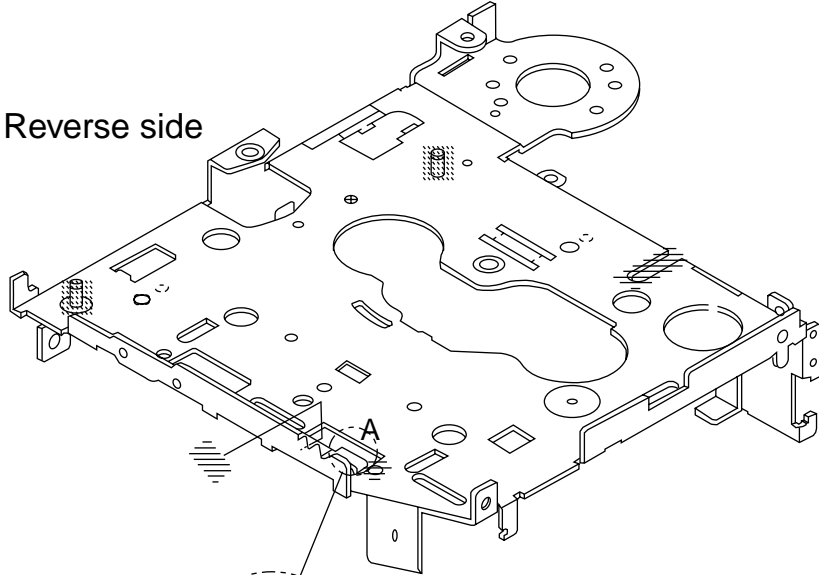
△	Item	Parts number	Parts name	Q'ty	Description	Area
	67	1-0036-4008S	PROGRAM ARM SPG	1		
	68	1-0036-4010S	ADJUSTER ARM SP	1	(A)	
	69	1-0036-4011S	ADJUSTER ARM SP	1	(B)	
	70	1-0036-4015S	DASH SPG	1		
	71	1-0036-4017S	S.SELECT ARM SP	1		
	72	1-0036-4023S	CENTER PLT SP(B	1		
	73	1-0038-4014S	RATCHET SPG	1		
	74	1-0138-4001S	BACK TENSION SP	2		
	76	1-0363-4003S	PINCH ARM SPG F	1		
	77	1-0363-4004S	PINCH ARM SPG R	1		
	78	1-0363-4005S	EJECT LEVER SPG	1		
	79	1-0036-4005S	EJECT CAM SPG	1		
	80	1-0036-5020S	MAIN BELT(AL)	1		
	81	1-0363-5007S	RETURN LINK	1		
	82	1-0036-5001S	SUB BELT	1		
	83	1-0363-5003S	SELECTOR LINK(B	1		
	85	1-0036-7002S	WIRE(A)	1	BLACK 60MM	
	86	1-0036-7003S	WIRE(B)	1	RED 60MM	
	87	1-0036-7073S	WIRE(AL)	1	YELLOW 55MM	
	89	X-0363-7006S	MOTOR ASSY	1		
	93	1-0363-7001S	MUTE SWITCH	1		
	94	1-0363-7002S	SLIDE SWITCH	1		
	95	1-0363-7008S	SLIDE SW PWB	1		
	96	1-0036-7016S	HEAD	1		
	97	1-0363-7005S	POWER SWITCH	1		
	100	1-0036-7089S	6P WIRE ASY(JVC	1		
	101	1-0036-7088S	5P WIRE ASY(JVC	1		
	105	2-1816-0032-E8S	LMW-S	2		
	106	2-1812-0030-D2S	PSW-S	3		
	107	1-0036-5024S	PSW(REEL)B	5		
	109	2-1712-0050-16S	E RING	5		
	110	2-1712-5060-16S	E RING	1		
	114	1-0363-7015S	MUTE SW PWB	1		
	115	2-1331-7040-C2S	SCREW S	1		
	116	2-1331-7060-C2S	SCREW S	1		
	117	2-1382-0030-C2S	SCREW B	5		
	118	2-1332-0040-C1S	SCREW S	1		
	119	2-1032-0070-C2S	SCREW	2		
	120	2-1032-0025-C2S	SCREW	2		
	121	2-1012-0040-C2S	SCREW	1		
	122	2-1012-0030-F2S	SCREW	1		
	123	1-0138-5002S	AZIMUTH SCREW	3		

Grease point 1/2

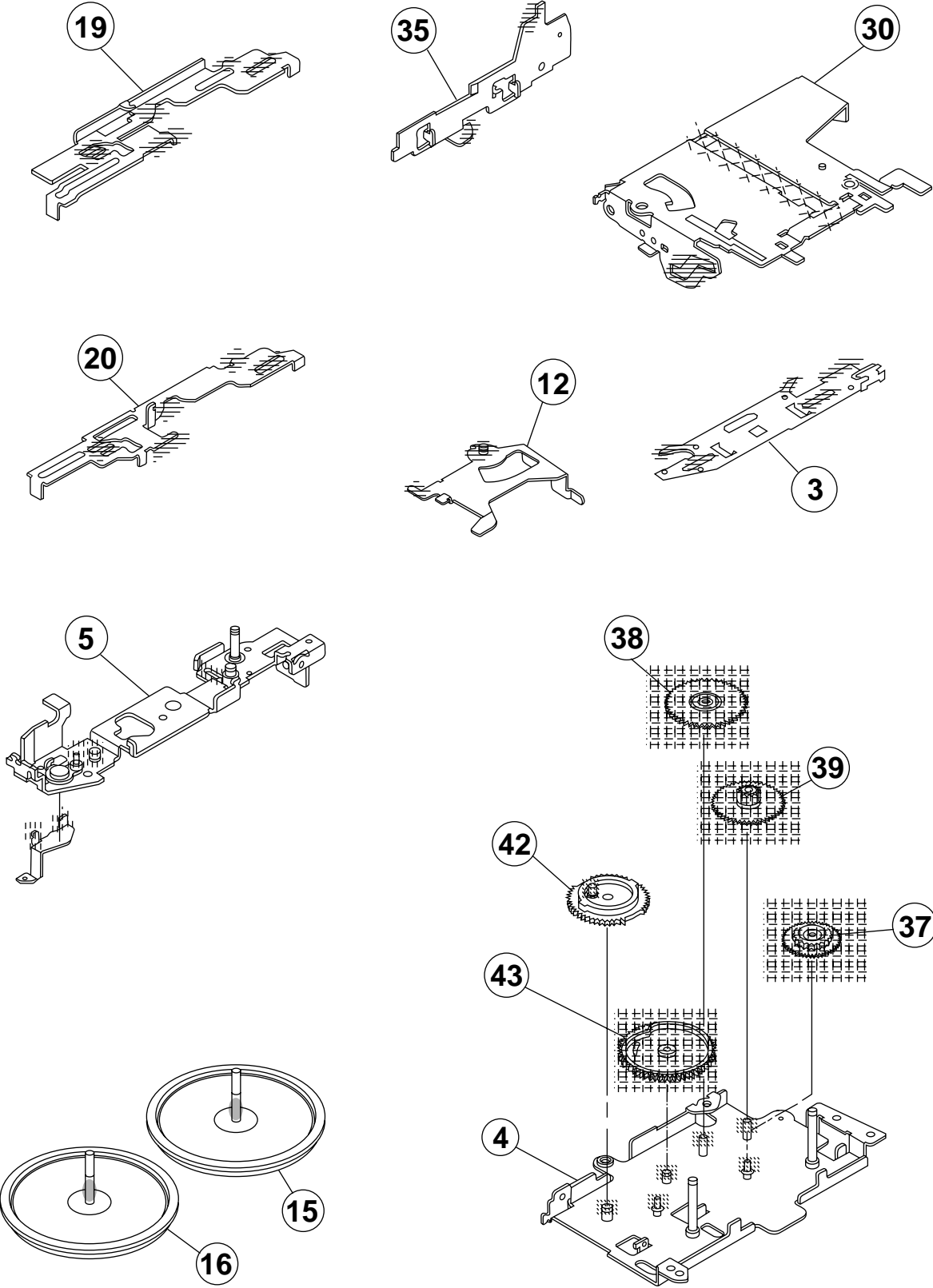
Grease	
	FL-942
	SW-902
	SW522B
	FG-84M
	C68



Reverse side



Grease point 2/2



■ Electrical parts list(Main board)

Block No. 01

△	Item	Parts number	Parts name	Remarks	Area
C 1	QEKJ1HM-104Z	E CAPACITOR	.10MF 20% 50V		
C 6	NCB21EK-563X	C CAPACITOR			
C 7	NCB21EK-123X	C CAPACITOR			
C 9	QER41AM-227	E CAPACITOR	220MF 20% 10V		
C 17	NCS21HJ-151X	C CAPACITOR			
C 18	QERF1HM-224Z	E CAPACITOR	.22MF 20% 50V		
C 20	NCS21HJ-102X	C CAPACITOR			
C 21	QEJF1HM-225Z	E CAPACITOR	2.2MF 20% 50V		
C 24	NCB21EK-473X	C CAPACITOR			
C 25	NCB21EK-104X	C CAPACITOR			
C 30	NDC21HJ-470X	C CAPACITOR			
C 101	NCS21HJ-821X	C CAPACITOR			
C 102	QEK41HM-474	E CAPACITOR	.47MF 20% 50V		
C 103	NCS21HJ-101X	C CAPACITOR			
C 104	QEKJ0JM-476Z	E CAPACITOR	47MF 20% 6.3V		
C 105	QFV61HJ-103Z	MF CAPACITOR	.010MF 5% 50V		
C 111	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 112	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 113	QFLA1HJ-822Z	M CAPACITOR	8200PF 5% 50V		
C 114	QFV61HJ-154Z	MF CAPACITOR	.15MF 5% 50V		
C 115	QERF1HM-224Z	E CAPACITOR	.22MF 20% 50V		
C 116	QFV61HJ-333Z	MF CAPACITOR	.033MF 5% 50V		
C 117	QFLA1HJ-562Z	M CAPACITOR	5600PF 5% 50V		
C 118	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 119	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 143	NCS21HJ-471X	C CAPACITOR			
C 144	NCS21HJ-471X	C CAPACITOR			
C 151	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 152	NCB21HK-122X	C CAPACITOR			
C 153	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 154	NCB21HK-153X	C CAPACITOR			
C 201	NCS21HJ-821X	C CAPACITOR			
C 202	QERF1HM-474Z	E CAPACITOR	.47MF 20% 50V		
C 203	NCS21HJ-101X	C CAPACITOR			
C 204	QEKJ0JM-476Z	E CAPACITOR	47MF 20% 6.3V		
C 205	QFV61HJ-103Z	MF CAPACITOR	.010MF 5% 50V		
C 211	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 212	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 213	QFLA1HJ-822Z	M CAPACITOR	8200PF 5% 50V		
C 214	QFV61HJ-154Z	MF CAPACITOR	.15MF 5% 50V		
C 215	QERF1HM-224Z	E CAPACITOR	.22MF 20% 50V		
C 216	QFV61HJ-333Z	MF CAPACITOR	.033MF 5% 50V		
C 217	QFLA1HJ-562Z	M CAPACITOR	5600PF 5% 50V		
C 218	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 219	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 243	NCS21HJ-471X	C CAPACITOR			
C 244	NCS21HJ-471X	C CAPACITOR			
C 251	QEKJ1HM-105Z	E CAPACITOR	1.0MF 20% 50V		
C 252	NCB21HK-122X	C CAPACITOR			
C 253	QER41HM-105	E CAPACITOR	1.0MF 20% 50V		
C 254	NCB21HK-153X	C CAPACITOR			
C 301	NCB21HK-331X	C.CAPA. C.M	SQ USE		
C 302	NCB21HK-103X	C CAPACITOR	SQ USE		
C 303	NCB21EK-472X	C CAPACITOR	MARKET CLAIM		
C 304	NCB21EK-104X	C CAPACITOR	SQ USE		
C 305	QEKJ1HM-225Z	E CAPACITOR	SQ USE		
C 701	NDC21HJ-270X	C CAPACITOR			
C 702	NDC21HJ-270X	C CAPACITOR			
C 703	NCB21EK-104X	C CAPACITOR			
C 704	NCB21EK-104X	C CAPACITOR			
C 705	NCB21EK-103X	C CAPACITOR			
C 707	NCB21EK-104X	C CAPACITOR			
C 708	QER41AM-227	E CAPACITOR	220MF 20% 10V		

△	Item	Parts number	Parts name	Remarks	Area
C 709	QERF0JM-107Z	E CAPACITOR	100MF 20% 6.3V		
C 710	NCS21HJ-121X	C CAPACITOR			
C 711	NCB21CK-224X	C CAPACITOR			
C 712	NCB21HK-104X	C CAPACITOR			
C 751	NCB21EK-104X	C CAPACITOR			
C 761	NCB21EK-223X	C CAPACITOR			
C 762	NCS21HJ-561X	C CAPACITOR			
C 763	QEKJ1HM-225Z	E CAPACITOR	2.2MF 20% 50V		
C 764	NDC21HJ-820X	C CAPACITOR			
C 765	NDC21HJ-470X	C CAPACITOR			
C 766	QER41CM-476	E CAPACITOR	47MF 20% 16V		
C 767	NCB21HK-103X	C CAPACITOR			
C 901	QEKJ1AM-107Z	E CAPACITOR	100MF 20% 10V		
C 911	QER41CM-476	E CAPACITOR	47MF 20% 16V		
C 912	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V		
C 913	QERF1CM-107Z	E CAPACITOR	100MF 20% 16V		
C 932	NCB21EK-104X	C CAPACITOR			
C 941	NCB21EK-104X	C CAPACITOR			
C 942	NCB21EK-104X	C CAPACITOR			
C 943	NCB21EK-104X	C CAPACITOR			
C 944	NCB21EK-104X	C CAPACITOR			
C 945	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V		
C 961	QETM1CM-228	E CAPACITOR	2200MF 20% 16V		
C 962	QER41CM-106	E CAPACITOR	10MF 20% 16V		
C 963	QER41CM-106	E CAPACITOR	10MF 20% 16V		
C 964	QER41AM-227	E CAPACITOR	220MF 20% 10V		
C 965	QER41AM-227	E CAPACITOR	220MF 20% 10V		
C 966	QER41CM-106	E CAPACITOR	10MF 20% 16V		
C 967	QER41CM-106	E CAPACITOR	10MF 20% 16V		
C 969	NCB21EK-473X	C CAPACITOR			
C 970	NCB21EK-473X	C CAPACITOR			
C 971	NCB21EK-104X	C CAPACITOR			
C 977	QER41AM-227	E CAPACITOR	220MF 20% 10V		
C 978	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V		
C 979	QEK41CM-106	E CAPACITOR	10MF 20% 16V		
C 980	NCB21HK-473X	C CAPACITOR			
C 981	QEKJ0JM-107Z	E CAPACITOR	100MF 20% 6.3V		
C 982	QEK41CM-106	E CAPACITOR	10MF 20% 16V		
C 984	QER41AM-227	E CAPACITOR	220MF 20% 10V		
CJ701	VMC0334-001	CONNECTOR			
CJ901	QGA2002C1-05	CONNECTOR			
CJ902	QGA2002F1-06	CONNECTOR			
CN901	QGB1214J1-06S	CONNECTOR			
CN902	QGB1214J1-06S	CONNECTOR			
CP901	QGB1214K1-06S	CONNECTOR			
CP902	QGB1214K1-06S	CONNECTOR			
CP961	QNZ0112-001	CAR CONNECTOR			
D 1	1SS119-041	SI DIODE			
D 2	1SS119-041	SI DIODE			
D 3	MA152WK-X	SI DIODE			
D 5	1SS119-041	SI DIODE			
D 6	MTZJ9.1C-T2	Z DIODE I/M			
D 701	1SS119-041	SI DIODE			
D 741	1SS119-041	SI DIODE			
D 742	1SS119-041	SI DIODE			
D 744	DSK10C-T1	DIODE			
D 776	DSK10C-T1	DIODE			
D 931	MA152WA-X	DIODE			
D 951	1SS133-T2	SI DIODE			
D 961	1N5401-TU-15	DIODE			
D 963	MA152WA-X	DIODE			
D 965	DSK10C-T1	DIODE			
D 966	DSK10C-T1	DIODE			

■ Electrical parts list(Main board)

Block No. 01

△	Item	Parts number	Parts name	Remarks	Area	△	Item	Parts number	Parts name	Remarks	Area
	D 977	MA152WK-X	SI DIODE				R 30	NRSA181J-8R2X	MG RESISTOR		
	D 978	MTZJ11B-T2	ZENER DIODE				R 32	NRSA02J-0R0X	MG RESISTOR		
	D 980	MA152WA-X	DIODE				R 34	NRSA02J-223X	MG RESISTOR		
	D 981	MA152WA-X	DIODE				R 101	NRSA02J-153X	MG RESISTOR		
	D 982	MA152WK-X	SI DIODE				R 103	NRSA02J-101X	MG RESISTOR		
	IC701	UPD178016AGC555	IC				R 104	NRSA02J-334X	MG RESISTOR		
	IC751	HD74HC126FP-X	IC				R 112	NRSA02J-223X	MG RESISTOR		
	IC761	SAA6579T-X	IC				R 113	NRSA02J-222X	MG RESISTOR		
	IC901	UPC1228HA	IC				R 132	NRSA02J-222X	MG RESISTOR		
	IC911	TEA6320T-X	IC				R 135	NRSA02J-101X	MG RESISTOR		
	IC941	HA13158A	IC				R 136	NRSA02J-102X	MG RESISTOR		
	IC961	AN80T05LF	IC				R 141	NRSA02J-153X	MG RESISTOR		
	J 1	QNZ0009-001	CAR ANT JACK				R 142	NRSA02J-153X	MG RESISTOR		
	J 751	QNZ0095-001	CONNECTOR				R 143	NRSA02J-393X	MG RESISTOR		
	J 931	QNN0183-001	PIN JACK				R 144	NRSA02J-393X	MG RESISTOR		
	L 1	QQL231K-4R7Y	INDUCTOR				R 151	NRSA02J-103X	MG RESISTOR		
	L 701	QQL231K-470Y	INDUCTOR				R 152	NRSA02J-223X	MG RESISTOR		
	L 961	QQR0528-002	CHOKO COIL				R 153	NRSA02J-472X	MG RESISTOR		
	Q 1	DTC114EKA-X	TR				R 201	NRSA02J-153X	MG RESISTOR		
	Q 2	DTC114EKA-X	TR				R 203	NRSA02J-101X	MG RESISTOR		
	Q 3	2SC2412K/R/-X	TRANSISTOR				R 204	NRSA02J-334X	MG RESISTOR		
	Q 4	DTA114EKA-X	DIGITAL.TRANSIS				R 212	NRSA02J-223X	MG RESISTOR		
	Q 5	2SA1037AK/RS/-X	TRANSISTOR				R 213	NRSA02J-222X	MG RESISTOR		
	Q 6	2SA1037AK/RS/-X	TRANSISTOR				R 232	NRSA02J-222X	MG RESISTOR		
	Q 7	2SC3661-X	TRANSISTOR				R 235	NRSA02J-101X	MG RESISTOR		
	Q 10	2SC3661-X	TRANSISTOR				R 236	NRSA02J-102X	MG RESISTOR		
	Q 11	2SC2412K/R/-X	TRANSISTOR				R 241	NRSA02J-153X	MG RESISTOR		
	Q 12	2SC2412K/R/-X	TRANSISTOR				R 242	NRSA02J-153X	MG RESISTOR		
	Q 131	2SC2412K/R/-X	TRANSISTOR				R 243	NRSA02J-393X	MG RESISTOR		
	Q 151	2SC2412K/R/-X	TRANSISTOR				R 244	NRSA02J-393X	MG RESISTOR		
	Q 231	2SC2412K/R/-X	TRANSISTOR				R 251	NRSA02J-103X	MG RESISTOR		
	Q 251	2SC2412K/R/-X	TRANSISTOR				R 252	NRSA02J-223X	MG RESISTOR		
	Q 301	2SD601A/R/-X	TRANSISTOR	SQ USE			R 253	NRSA02J-472X	MG RESISTOR		
	Q 302	2SD601A/R/-X	TRANSISTOR	SQ USE			R 301	NRSA02J-473X	MG RESISTOR	SQ USE	
	Q 701	2SC2412K/R/-X	TRANSISTOR				R 302	NRSA02J-473X	MG RESISTOR	SQ USE	
	Q 951	DTA114EKA-X	DIGITAL.TRANSIS				R 303	NRSA02J-103X	MG RESISTOR	SQ USE	
	Q 959	DTC114EKA-X	TR				R 304	NRSA02J-222X	MG RESISTOR	SQ USE	
	Q 960	2SA1037AK/RS/-X	TRANSISTOR				R 305	NRSA02J-153X	MG RESISTOR	SQ USE	
	Q 961	2SA1037AK/RS/-X	TRANSISTOR				R 306	NRSA02J-471X	MG RESISTOR	SQ USE	
	Q 962	2SB1322/RS-T	TRANSISTOR				R 307	NRSA02J-103X	MG RESISTOR	SQ USE	
	Q 963	2SA1037AK/RS/-X	TRANSISTOR				R 701	NRSA02J-271X	MG RESISTOR		
	Q 964	DTC114EKA-X	TR				R 702	NRS181J-271X	MG RESISTOR		
	Q 965	DTC114EKA-X	TR				R 703	NRS181J-271X	MG RESISTOR		
	Q 966	DTC114EKA-X	TR				R 704	NRSA02J-271X	MG RESISTOR		
	Q 967	2SA1037AK/RS/-X	TRANSISTOR				R 705	NRSA02J-103X	MG RESISTOR		
	Q 978	DTC114EKA-X	TR				R 706	NRSA02J-473X	MG RESISTOR		
	Q 979	DTA114EKA-X	DIGITAL.TRANSIS				R 708	NRSA02J-104X	MG RESISTOR		
	Q 980	DTC114EKA-X	TR				R 709	NRSA02J-104X	MG RESISTOR		
	Q 981	DTA114EKA-X	DIGITAL.TRANSIS				R 710	NRS181J-472X	MG RESISTOR		
	R 3	NRSA02J-472X	MG RESISTOR				R 711	NRSA02J-391X	MG RESISTOR		
	R 4	NRSA02J-473X	MG RESISTOR				R 712	NRS181J-103X	MG RESISTOR		
	R 5	NRSA02J-332X	MG RESISTOR				R 713	NRSA02J-103X	MG RESISTOR		
	R 7	NRSA02J-473X	MG RESISTOR				R 715	NRS181J-103X	MG RESISTOR		
	R 8	NRSA02J-472X	MG RESISTOR				R 716	NRS181J-103X	MG RESISTOR		
	R 9	NRSA02J-102X	MG RESISTOR				R 717	NRS181J-103X	MG RESISTOR		
	R 10	NRSA02J-392X	MG RESISTOR				R 718	NRS181J-472X	MG RESISTOR		
	R 12	NRSA02J-102X	MG RESISTOR				R 719	NRSA02J-472X	MG RESISTOR		
	R 14	NRS181J-471X	MG RESISTOR				R 720	NRSA02J-472X	MG RESISTOR		
	R 24	NRSA02J-102X	MG RESISTOR				R 721	NRS181J-472X	MG RESISTOR		
	R 25	NRSA02J-102X	MG RESISTOR				R 722	NRSA02J-472X	MG RESISTOR		
	R 26	NRSA02J-103X	MG RESISTOR				R 723	NRS181J-472X	MG RESISTOR		
	R 27	NRSA02J-102X	MG RESISTOR				R 724	NRS181J-472X	MG RESISTOR		
	R 29	NRSA02J-152X	MG RESISTOR				R 725	NRS181J-472X	MG RESISTOR		

■ Electrical parts list(Main board)

Block No. 01

△	Item	Parts number	Parts name	Remarks	Area
	R 726	NRS181J-472X	MG RESISTOR		
	R 727	NRSA02J-472X	MG RESISTOR		
	R 733	NRS181J-472X	MG RESISTOR		
	R 734	NRSA02J-472X	MG RESISTOR		
	R 736	NRSA02J-103X	MG RESISTOR		
	R 737	NRSA02J-473X	MG RESISTOR		
	R 738	NRSA02J-473X	MG RESISTOR		
	R 740	NRSA02J-473X	MG RESISTOR		
	R 743	NRSA02J-103X	MG RESISTOR	SQ USE	
	R 746	NRSA02J-473X	MG RESISTOR		
	R 748	NRSA02J-473X	MG RESISTOR	INTI. RES.	
	R 750	NRSA02J-473X	MG RESISTOR	INTI. RES.	
	R 751	NRSA02J-104X	MG RESISTOR		
	R 752	NRSA02J-334X	MG RESISTOR		
	R 753	NRSA02J-223X	MG RESISTOR		
	R 754	NRSA02J-101X	MG RESISTOR		
	R 755	NRSA02J-103X	MG RESISTOR		
	R 756	NRSA02J-104X	MG RESISTOR		
	R 757	NRSA02J-104X	MG RESISTOR		
	R 758	NRSA02J-101X	MG RESISTOR		
	R 759	NRSA02J-334X	MG RESISTOR		
	R 761	NRSA02J-222X	MG RESISTOR		
	R 762	NRSA02J-222X	MG RESISTOR		
	R 763	NRSA02J-222X	MG RESISTOR		
	R 773	NRSA02J-473X	MG RESISTOR		
	R 901	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
	R 911	NRSA02J-271X	MG RESISTOR		
	R 912	NRSA02J-271X	MG RESISTOR		
	R 913	NRS181J-100X	MG RESISTOR		
	R 941	NRSA02J-473X	MG RESISTOR		
	R 959	NRSA02J-222X	MG RESISTOR		
	R 960	NRSA02J-273X	MG RESISTOR		
	R 961	QRE141J-470Y	C RESISTOR	47 5% 1/4W	
	R 962	NRSA02J-682X	MG RESISTOR		
	R 963	NRS181J-123X	MG RESISTOR		
	R 966	NRSA02J-473X	MG RESISTOR		
	R 967	NRSA02J-222X	MG RESISTOR		
	R 969	NRS181J-222X	MG RESISTOR		
	R 970	NRS181J-473X	MG RESISTOR		
	R 974	NRSA02J-123X	MG RESISTOR		
	R 975	NRSA02J-243X	MG RESISTOR		
	R 977	NRS181J-181X	MG RESISTOR		
	R 978	NRSA02J-473X	MG RESISTOR		
	R 979	NRSA02J-473X	MG RESISTOR		
	R 980	NRSA02J-102X	MG RESISTOR		
	TU 1	QAU0156-002	TUNER		
	X 701	QAX0406-002Z	CRYSTAL		
	X 761	QAX0263-001Z	CRYSTAL		

■ Electrical parts list(LCD&key control board) Block No. 02

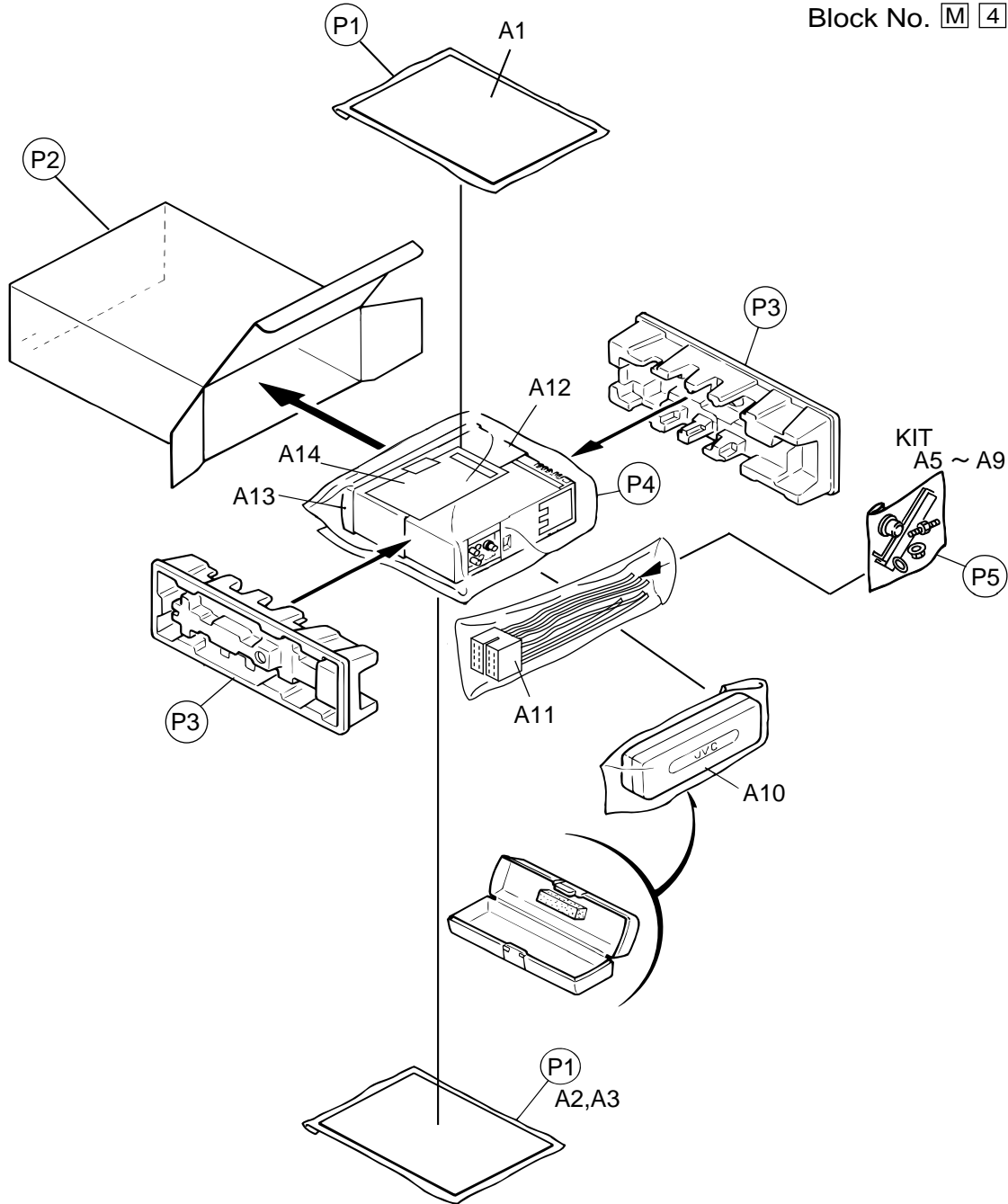
△	Item	Parts number	Parts name	Remarks	Area
	C 651	NCB21EK-103X	C CAPACITOR		
	C 652	NBE20JM-475X	TS E CAPACITOR		
	C 653	NCB21HK-681X	C CAPACITOR		
	CP701	VMC0335-001	CONNECTOR		
	D 601	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 601	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 602	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 602	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 603	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 603	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 604	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 604	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 605	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 605	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 608	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 609	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 609	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 610	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 610	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 611	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 611	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 612	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 612	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 613	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 613	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 614	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 614	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 615	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 615	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 616	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 616	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 618	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 618	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 619	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 619	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 620	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 620	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 621	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 621	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 622	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 622	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 623	SML-310LT/MN-X	L.E.D.		
	D 624	LNJ308G81/1-3/X	L.E.D.	KS-FX463R	
	D 624	SML-310DT/KL-X	L.E.D.	KS-FX460R	
	D 654	MA152WK-X	SI DIODE		
	IC651	LC75823W	IC		
	PL601	QLL0092-001	PILOT LAMP	KS-FX463R	
	PL601	QLL0076-001	PILOT LAMP	KS-FX460R	
	PL603	QLL0076-001	PILOT LAMP	KS-FX460R	
	PL603	QLL0092-001	PILOT LAMP	KS-FX463R	
	R 601	NRSA02J-561X	MG RESISTOR		
	R 602	NRSA02J-821X	MG RESISTOR		
	R 603	NRSA02J-122X	MG RESISTOR		
	R 604	NRSA02J-182X	MG RESISTOR		
	R 605	NRSA02J-272X	MG RESISTOR		
	R 606	NRSA02J-561X	MG RESISTOR		
	R 607	NRSA02J-821X	MG RESISTOR		
	R 608	NRSA02J-122X	MG RESISTOR		
	R 609	NRSA02J-182X	MG RESISTOR		
	R 610	NRSA02J-272X	MG RESISTOR		
	R 611	NRSA02J-392X	MG RESISTOR		
	R 612	NRSA02J-561X	MG RESISTOR		
	R 613	NRSA02J-821X	MG RESISTOR		

△	Item	Parts number	Parts name	Remarks	Area
	R 614	NRSA02J-122X	MG RESISTOR		
	R 615	NRSA02J-182X	MG RESISTOR		
	R 616	NRSA02J-272X	MG RESISTOR		
	R 617	NRSA02J-392X	MG RESISTOR		
	R 621	NRSA02J-332X	MG RESISTOR		
	R 622	NRSA02J-332X	MG RESISTOR		
	R 623	NRSA02J-332X	MG RESISTOR		
	R 632	NRSA02J-821X	MG RESISTOR		
	R 633	NRSA02J-821X	MG RESISTOR		
	R 640	NRSA02J-331X	MG RESISTOR		
	R 641	NRSA02J-331X	MG RESISTOR		
	R 642	NRSA02J-821X	MG RESISTOR		
	R 644	NRSA02J-821X	MG RESISTOR		
	R 646	NRSA02J-821X	MG RESISTOR		
	R 648	NRSA02J-821X	MG RESISTOR		
	R 650	NRSA02J-511X	MG RESISTOR		
	R 651	NRSA02J-511X	MG RESISTOR		
	R 661	NRSA02J-152X	MG RESISTOR		
	R 662	NRSA02J-473X	MG RESISTOR		
	R 663	NRSA02J-154X	MG RESISTOR		
	S 601	NSW0066-001X	TACT SWITCH		
	S 602	NSW0066-001X	TACT SWITCH		
	S 603	NSW0066-001X	TACT SWITCH		
	S 604	NSW0066-001X	TACT SWITCH		
	S 605	NSW0066-001X	TACT SWITCH		
	S 606	NSW0066-001X	TACT SWITCH		
	S 607	NSW0066-001X	TACT SWITCH		
	S 608	NSW0066-001X	TACT SWITCH		
	S 609	NSW0066-001X	TACT SWITCH		
	S 610	NSW0066-001X	TACT SWITCH		
	S 611	NSW0066-001X	TACT SWITCH		
	S 612	NSW0066-001X	TACT SWITCH		
	S 613	NSW0066-001X	TACT SWITCH		
	S 614	NSW0066-001X	TACT SWITCH		
	S 615	NSW0066-001X	TACT SWITCH		
	S 616	NSW0066-001X	TACT SWITCH		
	S 617	NSW0066-001X	TACT SWITCH		
	S 618	NSW0066-001X	TACT SWITCH		
	S 619	NSW0066-001X	TACT SWITCH		
	S 620	NSW0066-001X	TACT SWITCH		

Packing materials and accessories parts list

Block No. M 3 M M

Block No. M 4 M M



SCREW KIT



A5 Plug Nut



A8 Washer



A6 Mount Bolt

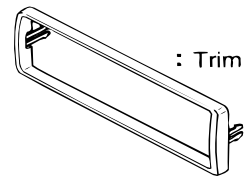


A9 Hook



A7 Lock Nut

A13



: Trim Plate

■ Parts list(Packing)

Block No. M3MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	FSPG4002-001	POLY BAG	2	INST.BOOK	
	P 2	GE30123-025A	PACKING CASE	1	KS-FX460R	
		GE30123-026A	PACKING CASE	1	KS-FX463R	
	P 3	FSPH1018-002	PAPER CUSHION	2	LEFT/RIGHT SIDE	
	P 4	QPC03004315P	POLY BAG	1		
	P 5	QPA00801205	POLY BAG	1	W.CARD	

■ Parts list(Accessories)

Block No. M4MM

△	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	GET0039-001A	INST.BOOK	1	ENG FRE GER DUT	
	A 2	GET0039-002A	INST.BOOK	1	SPA ITA SWE FIN	
	A 3	GET0039-003A	INSTALL MANUAL	1	ENG FRE GER	
		GET0039-005A	INSTALL MANUAL	1	SWE FIN	
		GET0039-004A	INSTALL MANUAL	1	DUT SPA ITA	
	A 4	BT-54013-1	WARRANTY CARD	1		
	A 5	VKZ4027-202	PLUG NUT	1		
	A 6	VKH4871-001SS	MOUNT BOLT	1		
	A 7	VKZ4328-001	LOCK NUT	1	FOR M5	
	A 8	WNS5000Z	WASHER	1		
	A 9	FSKL4010-002	HOOK	2		
	A 10	FSJB3002-30C	HARD CASE	1		
	A 11	QAM0175-001	POWER CORD	1		
	A 12	FSKM2004-202	MOUNTING SLEEVE	1		
	A 13	FSJD2034-001	TRIM PLATE	1		
	A 14	LV40978-001A	CAUTION SHEET	1		
	K I T	KDGS717K-SCREW1	SCREW PARTS KIT	1	A5-A9	