

JVC

SERVICE MANUAL

CD RECEIVER

KD-GS727 C/J

This Service manual have not Instructions and Location of Main Parts, Block Diagram. These item should be used in conjunction with service manual for KD-GS720C/J (Issue No. 49406).

Area Suffix

C Canada
J U.S.A.

Contents

1.Safety Precautions.....	Page 2	6.Wiring Connections.....	18
2.Removal of Main parts.....	3	7.Standard Schematic Diagram.....	19
3.Main Adjustment.....	9	8.Location of P.C.Board Parts.....	21
4.Main IC's General Discription.....	12	9.Electrical Parts	24
5. Analytic Drawing and Parts List.....	14	10.Packing	30

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 performing repair of this system.

2. Removal of Main Parts

■ Detaching the front panel unit

(See Fig.2-1)

Slide the Release switch in the direction of arrow to detach the front panel unit.

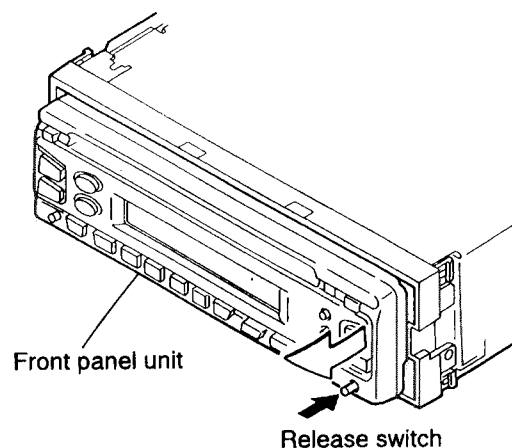


Fig.2-1

■ Removing the front chassis

(See Fig.2-2)

1. Remove two ribs in the right side of unit and pull the front chassis forward to remove it.
2. Remove two ribs in the left side of unit and pull the front chassis forward to remove it.

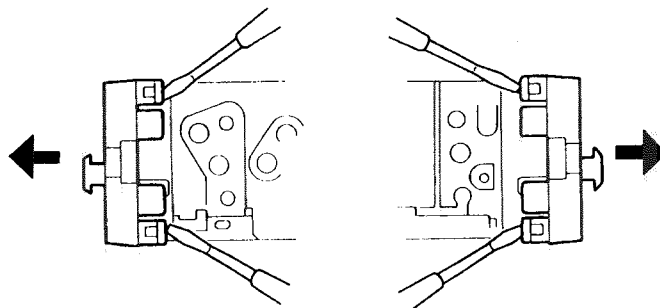


Fig.2-2

■ Removing the heat sink (See Fig.2-3)

1. Turn the left side unit.
2. Remove three screws ① retaining the heat sink.

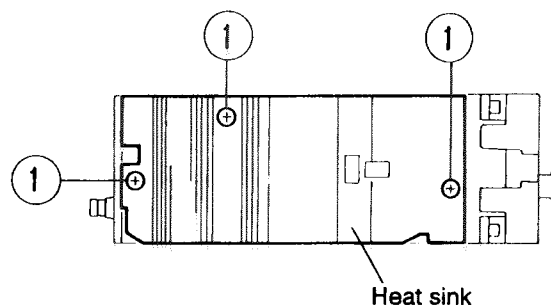


Fig.2-3

■ Removing the bottom cover

(See Fig.2-4)

Turn the unit upside down then insert and turn the screw driver to remove the bottom cover.

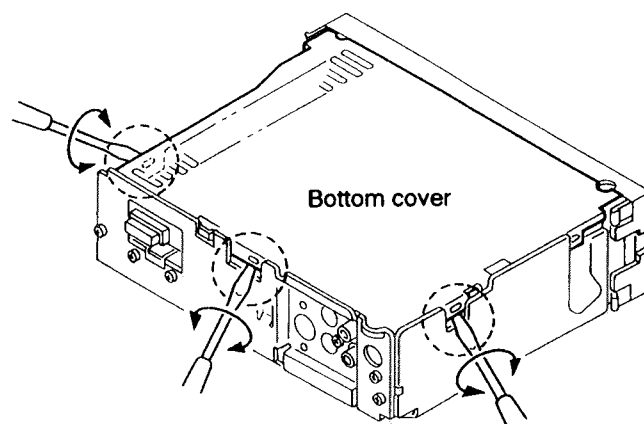


Fig.2-4

■ Removing the main board

(See Fig.2-5,2-6)

1. Remove two screws ② retaining the main board.
2. Turn the back side unit.
3. Remove three screws ③ retaining the rear bracket.
4. Lift up the main board to remove it, at this time remove the connectors CN501 and CN502 connecting the main board and CD mechanism assembly.

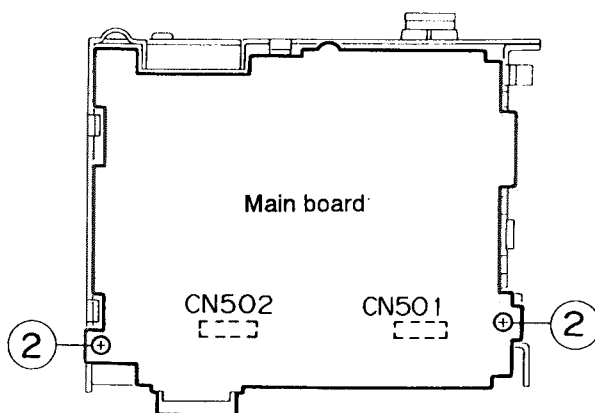


Fig.2-5

■ Removing the CD mechanism assembly

(See Fig.2-7)

Remove three screws ④ retaining the CD mechanism assembly from the top cover.

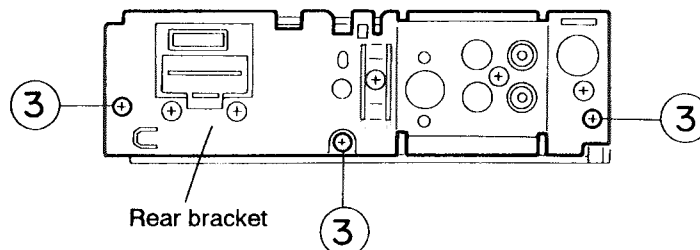


Fig.2-6

■ Removing the operation switch board

(See Fig.2-8,2-9)

1. Turn the front panel unit upside down then.
2. Remove four screws ⑤ retaining the rear cover.
3. Take the operation switch board off on the front panel.

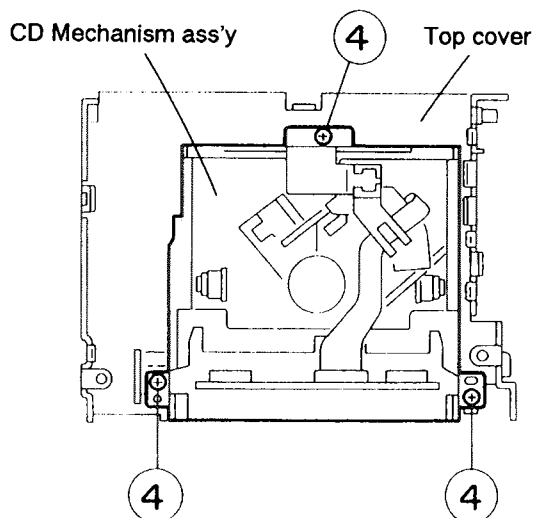


Fig.2-7

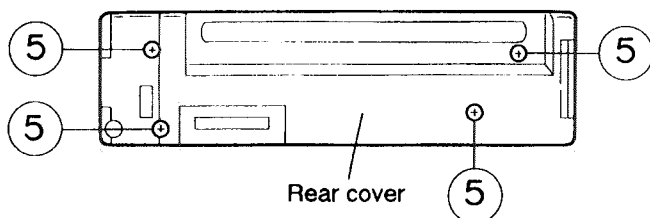


Fig.2-8

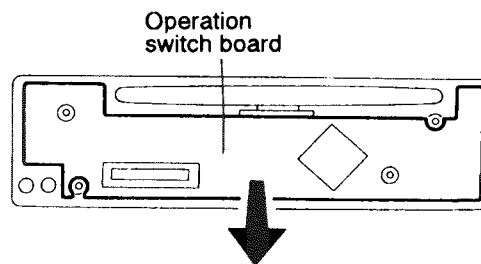


Fig.2-9

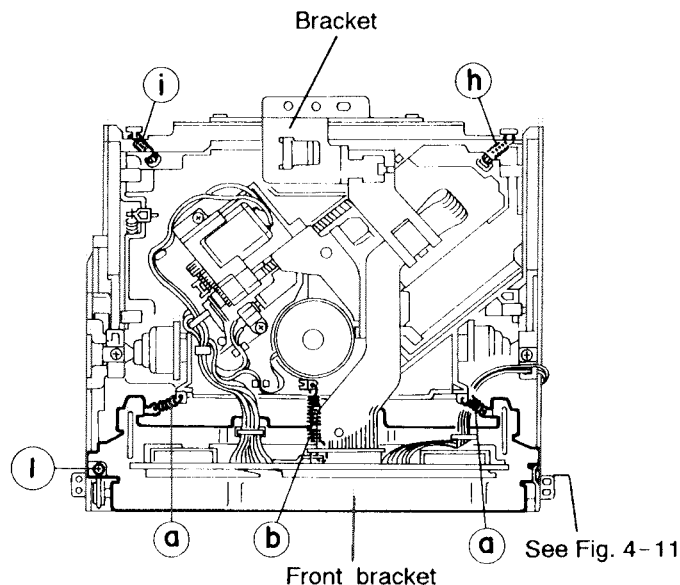


Fig.2-10

《CD Mechanism Section》

■ Removing the CD mechanism control P. C. board

1. Remove the bottom cover (See "Removing the bottom cover").
2. Remove the front panel assembly (See "Removing the front panel assembly").
3. Remove the main amplifier P. C. board assembly (See "Removing the main amplifier P. C. board assembly").
4. Remove the CD mechanism assembly (See "Removing the CD mechanism assembly").
5. Remove the three springs ③ and ④ from behind the CD mechanism assembly (See Fig.2-10).
6. Disconnect the flexible wire connected to the connector on the CD mechanism control P. C. board (See Fig.2-11).

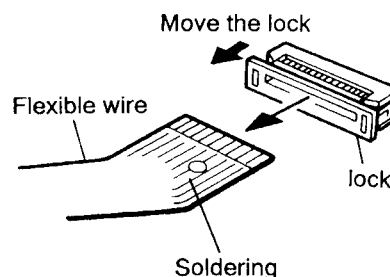


Fig.2-11

CAUTION: Whenever the flexible wire is disconnected, be sure to remove the soldering in advance as shown in Fig. 2-11. Otherwise, the CD mechanism assembly can possibly be damaged.

7. Remove the two screws ① retaining the front bracket for fixing the CD mechanism control P. C. board (See Fig.2-10).

CAUTION: Remove the front bracket from the frame while expanding both sides of the frame as shown in Fig. 2-13.

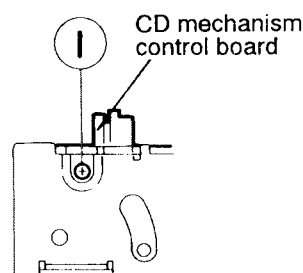


Fig.2-12

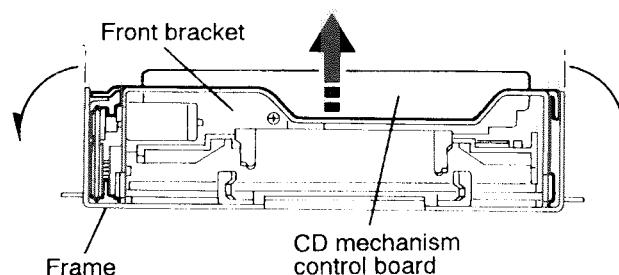


Fig.2-13

8. Remove the one screw ② retaining the CD mechanism control P. C. board (See Fig.2-14).

9. After disengaging the engagement between the notch section ㉔ and frame, remove the CD mechanism control P. C. board successively from ① through to ③ in the arrow direction as shown in Fig. 2-14.

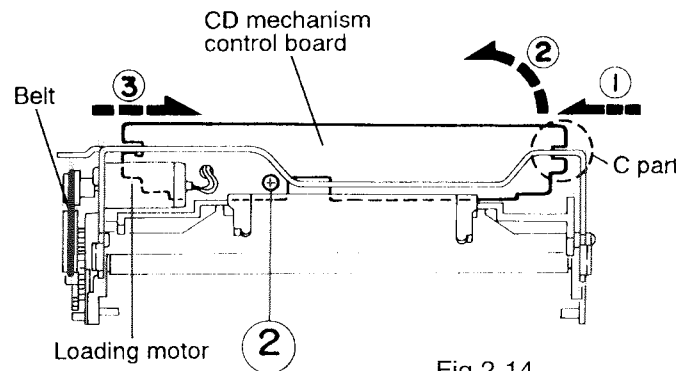


Fig.2-14

■ Removing the loading motor

1. Remove the belt from the loading motor (See Fig.2-14 and 2-15).
2. Remove the one screw ③ retaining the loading motor (See Fig.2-15).

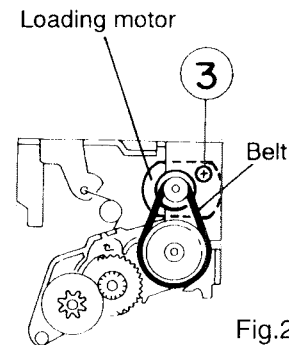


Fig.2-15

■ Removing the CD mechanism assembly

1. Remove the two screws ④ retaining the bracket for fixing the damper (See Fig.2-16).
2. While shifting the fix plates on the right and left sides respectively to the arrow direction, lower the entire CD mechanism. When the shafts (㉔, ㉕, ㉖ and ㉗) on both the right and left sides have been set free as shown in Figs. 2- 17 and 2- 18, then the assembly can be removed easily. Remove the two screws ⑤ retaining the rear damper bracket to make it easier to remove the damper from the rear damper bracket (See Figs, 2- 10, 2- 17 and 2- 18).
3. Remove the two springs ㉘ and ㉙ as shown in Fig. 2- 10, 16.
4. While removing the right and left sides of the rear damper brackets and dampers while expanding both sides of the CD mechanism, disassemble the entire CD mechanism.

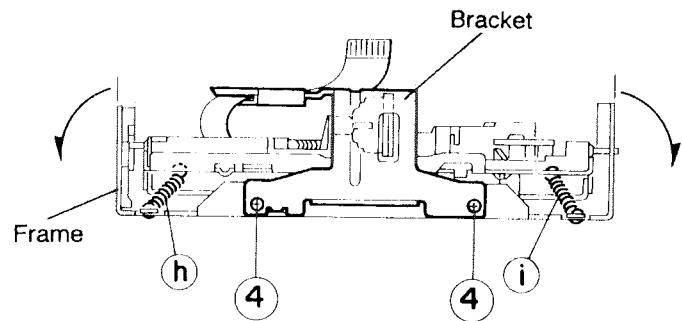


Fig.2-16

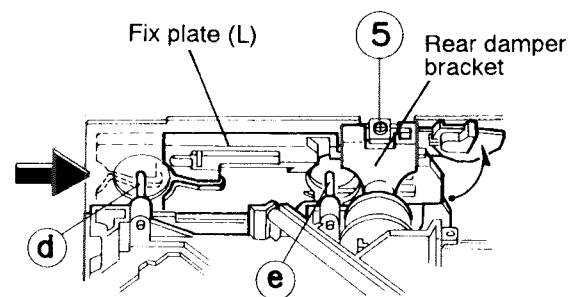


Fig.2-17

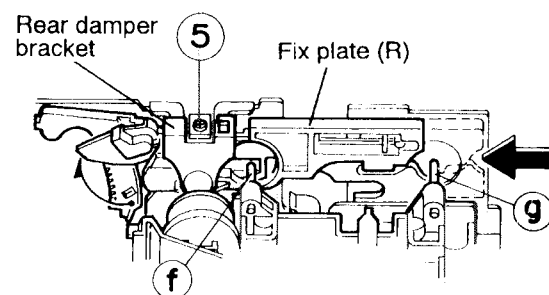


Fig.2-18

5. While turning the pickup gear in the arrow direction as shown in Fig. 2-20, shift the entire pickup unit.
6. Remove the three screws ⑥ retaining the feed motor assembly and take out this motor assembly (See Fig.2-19).
7. While pressing and expanding the spring section ① holding the FD screw in the arrow direction, remove the FD screw and dismount the pickup unit (See Fig.2-21).
8. By removing the two screws ⑦ retaining the pickup unit, dismount the nut push spring plate and pickup mount nut (See Fig.2-22).
9. Remove the FD screw from the pickup unit (See Fig.2-22).

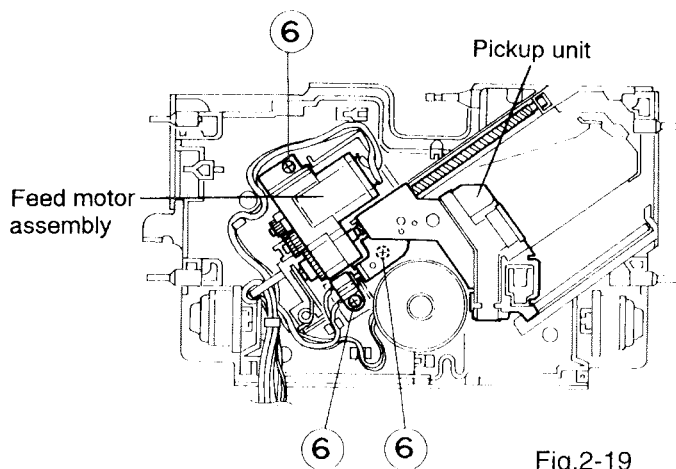


Fig.2-19

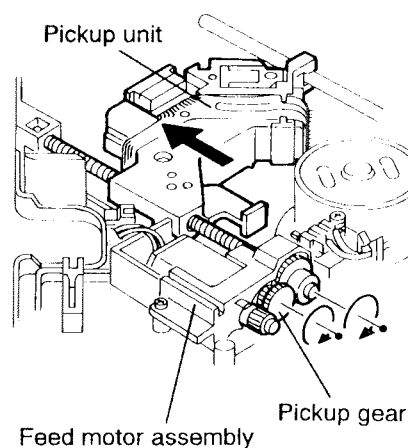


Fig.2-20

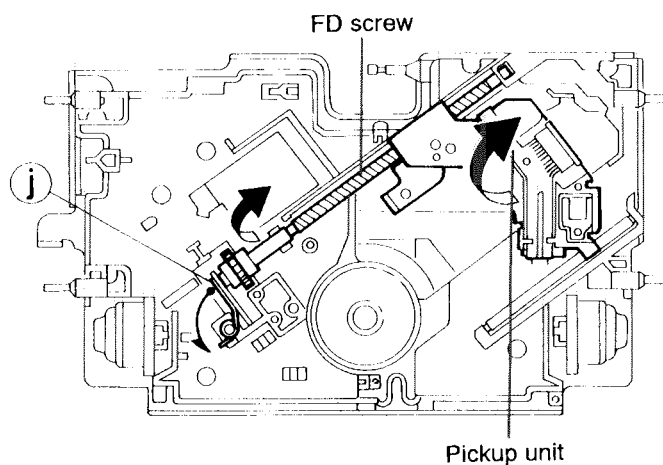


Fig.2-21

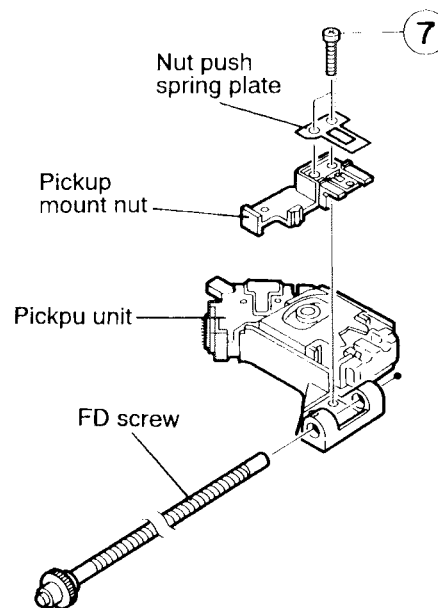


Fig.2-22

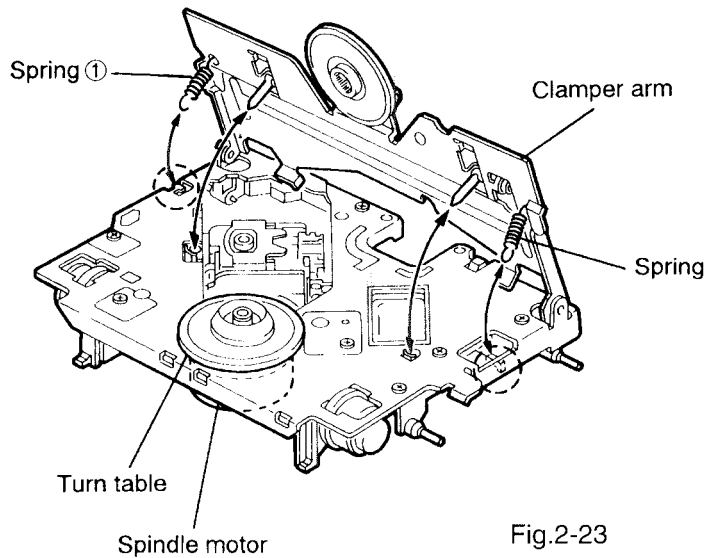


Fig.2-23

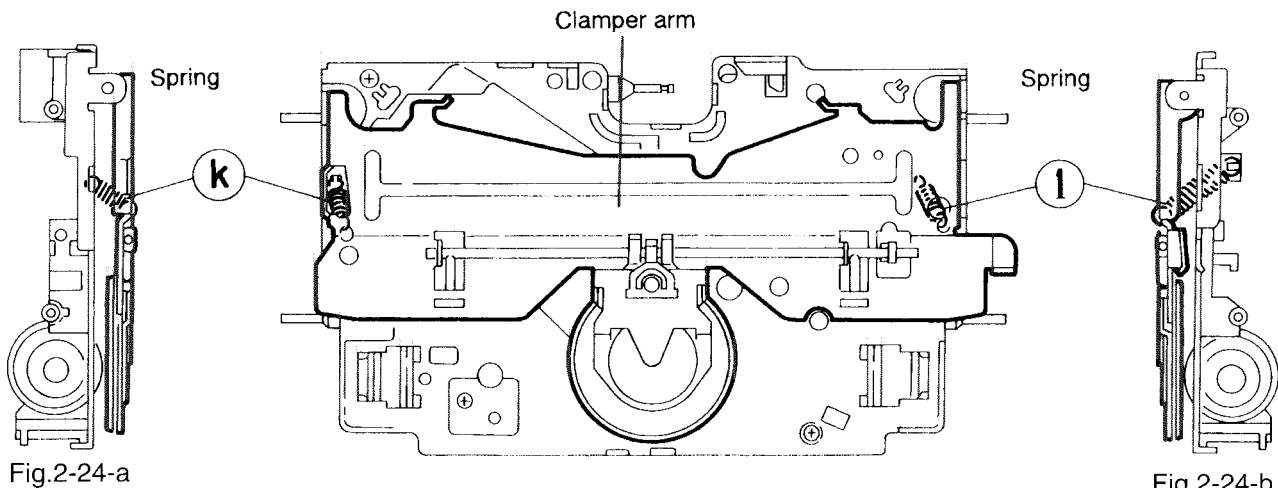


Fig.2-24-a

Fig.2-24

Fig.2-24-b

■ Removing the spindle motor

1. After turning back the CD mechanism to initial position, remove the two springs ④ and ① on both the right and left sides of the clamper arm (See Figs. 2 - 23 and 2 - 24).
2. While turning the turntable, remove the two screws ⑧ retaining the spindle motor and take out the spindle motor (See Fig. 2 - 25).

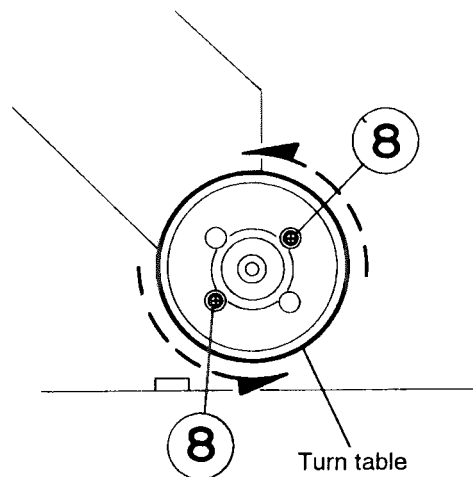


Fig.2-25

3.Main Adjustment

■ Test Instruments required for adjustment

1. Digital oscilloscope(100 MHz)
2. AM Standard signal generator
3. FM Standard signal generator
4. Stereo modulator
5. Electric voltmeter
6. Digital tester
7. Tracking offset meter
8. Test Disc..... JVC : CTS - 1000
9. Extension cable for check EXT - GS001 - 16P
EXT - GS001 - 15P
EXT - GS001 - 10P

■ Standard measuring conditions

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

● Standard volume position

Balance and Bass & Treble volume : Indication "0".

Loudness : Off

Setting of reference frequency of SSG

AM mode : 600kHz/62dB, INT/400Hz, 30% modulation

signal on

FM mode : 97.9MHz/66dB/INT/400Hz/22.5kHz deviation

pilot 7.5kHz dev.

Output level..... 0dB(1 μ V, 50 Ω /open terminal)

Dummy load

Exclusive dummy load should be used for AM, and FM. For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

■ How to connection the extension cables for adjusting

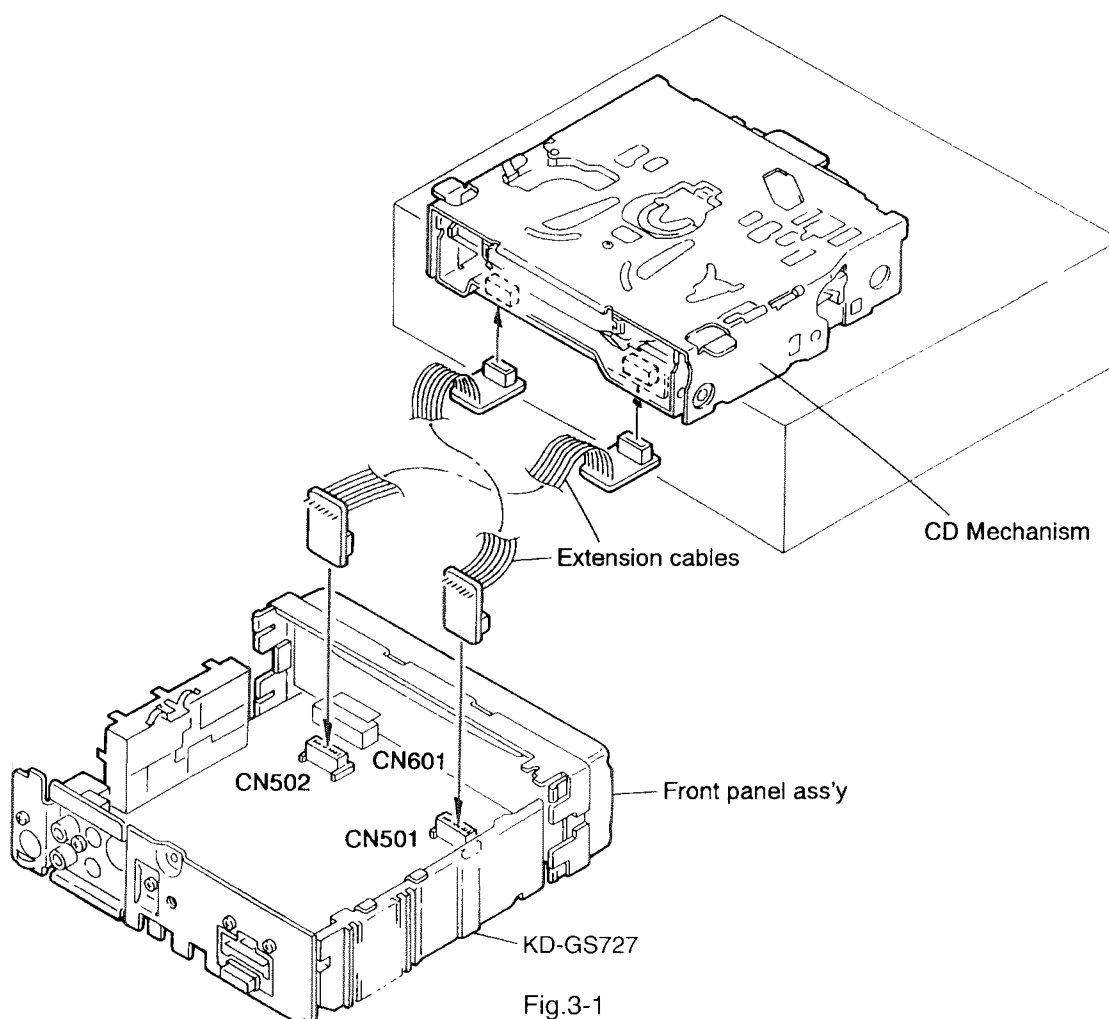
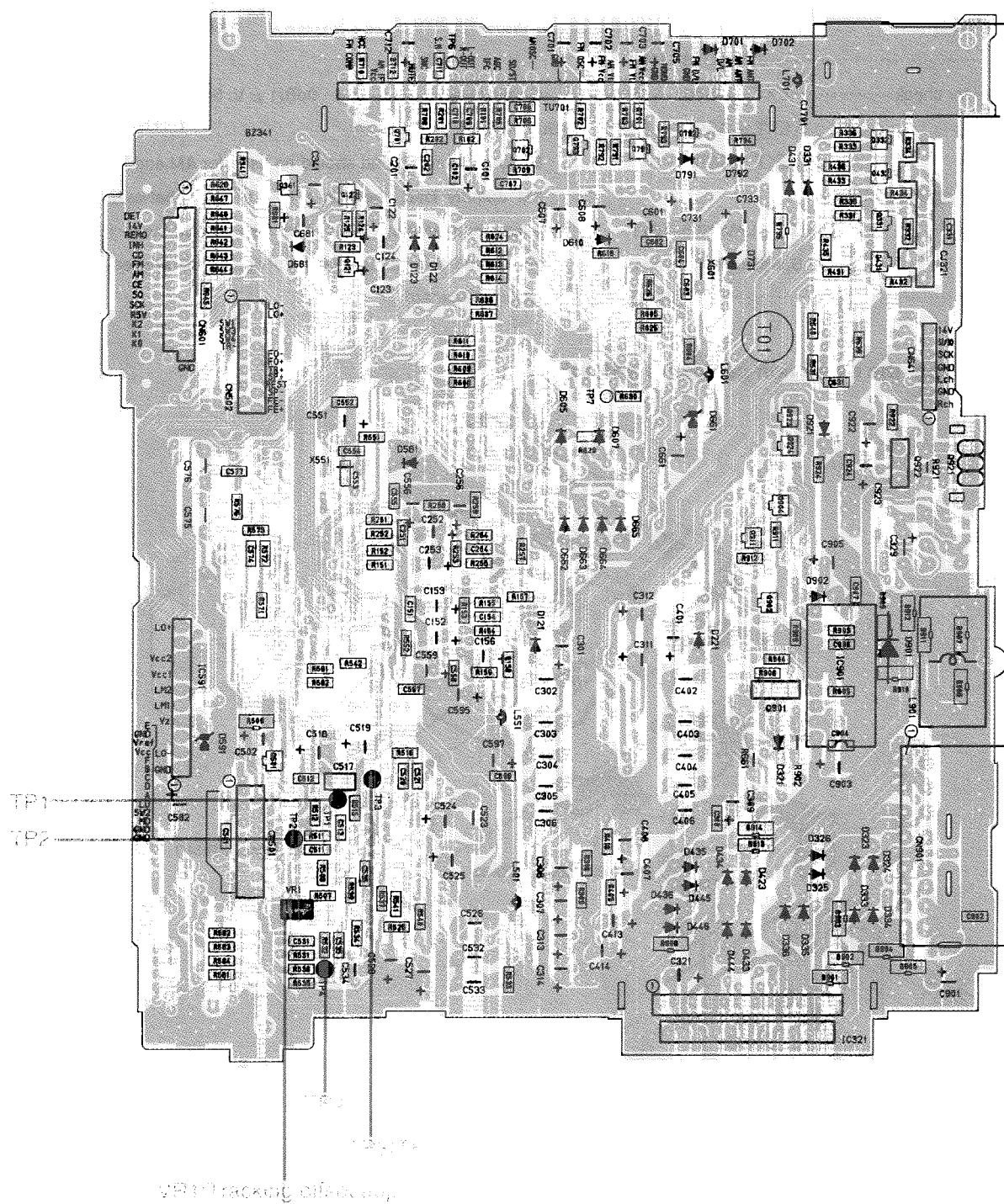
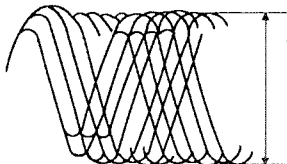
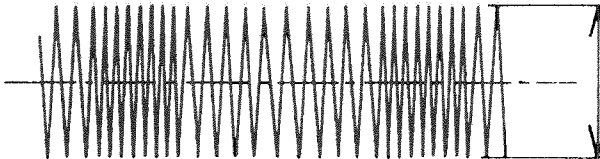


Fig.3-1

■ Arrangement of Adjusting & Test Points (Main Board : Solder side)



■ CD Section

Item	Conditions	Adjustment and Confirmation	Standard Value	Adjusting
1. Jitter check	Measuring instruction :Jitter meter Oscilloscope Test point : TP1 :TP2 (VREF)	1. Connect to the jitter meter between TP1 and TP2 (VREF). 2. When the test disc (Track 1)is played, confirm that the meter reading is less than 26n - sec	less than 26n - sec	—
2. RF level (eye-pattern) check	Measuring instruction Oscilloscope Test point : TP1 :TP2 (VREF)	1. Connect to the oscilloscope between TP1 and TP2 (VREF). 2. When the test disc (Track 1)is played, confirm that peak-to-peak value of eye-pattern waveform is within 0.85~1.75V	Within 0.85~1.75V	
Eye - pattern waveform  The maximum value of this waveform should be in the range of specifications and the waveform should be clear				
3. Tracking offset adjustment	Measuring instruction :Oscilloscope Test point TP2 Oscilloscope ground side (VREF level) TP3 Oscilloscope hot side Note 1 Oscilloscope input should be DC coupled. Note 2 Adjust VR501 so that the waveform becomes vertically symmetrical to the reference voltage of servo.	Adjustment procedure 1. Connect to the oscilloscope between TP2 (VREF) and TP3 (TE) . 2. Play back the disc(Track 1). 3. Turn on the short switch.(Shot circuit between TP2 (VREF) and TP4 during test disc play.) 4. Since the waveform of tracking error signal. displayed by the oscilloscope goes up and down when VR501 has been adjusted. Adjust VR501 so becomes a reference $0 \pm 20\text{m}$ voltage value of servo (VREF).	Adjust the center of waveform amplitude to the reference 1.5 ± 0.3 voltage Note3. VREF: Ground level on the oscilloscope	VR501
Tracking offset waveform  Set the P-P center of the DC level to zero.				
4. Line out level check	Measuring point :Line out	2. When the test disc (Track 1)is played, confirm that line out level is $1.5 \pm 0.3\text{V}$.	$1.5 \pm 0.3\text{V}$	—

4.Main IC's General Discription

■ IC301: TEA6320T (E. VOLUME)

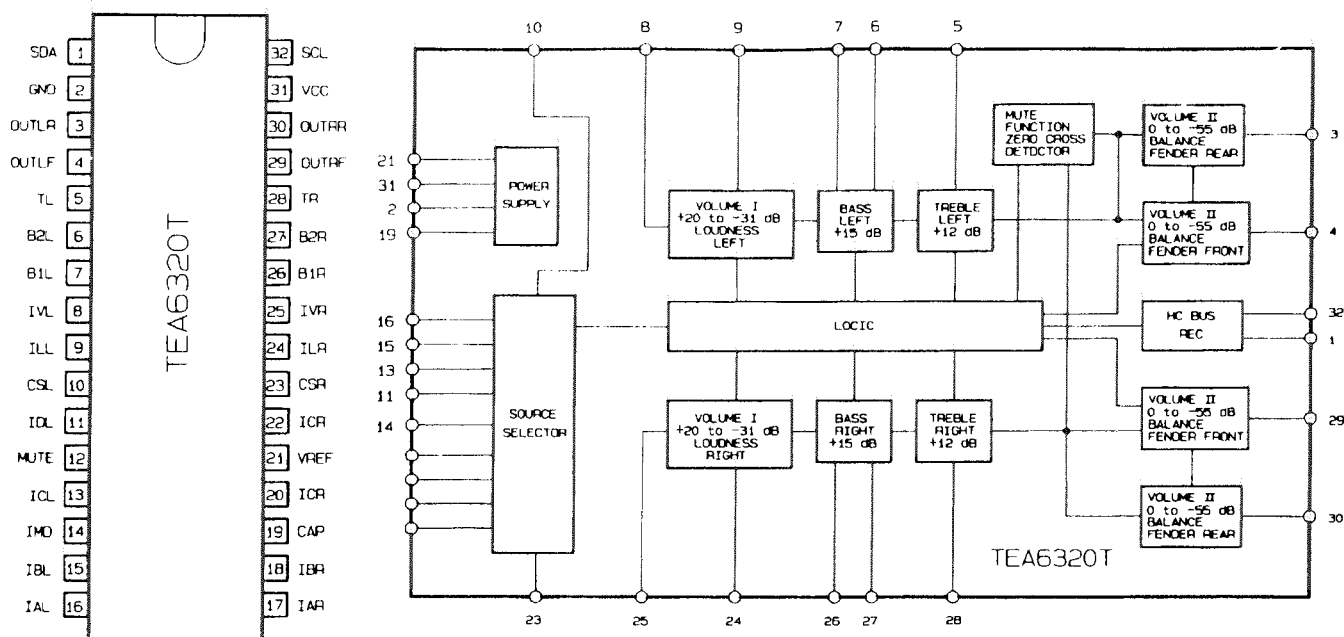


Fig.4-1

■ IC901: TDA3603P (REGULATOR)

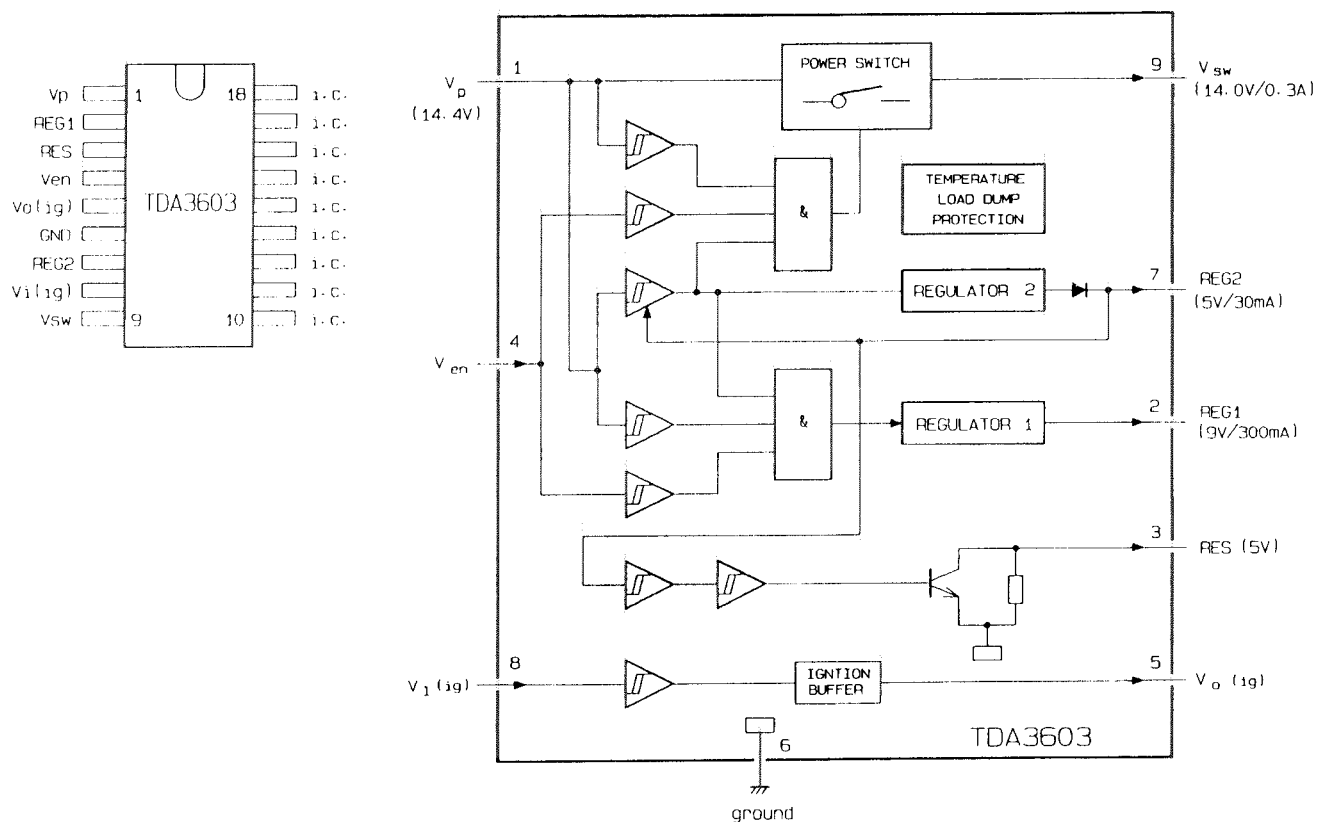


Fig.4-2

■ IC601 : LC72366 (CPU) Terminal's Function Table

Pin No.	Symbol	I/O	Function
1	XIN		4.5MHz crystal oscillator connection pin.
2	TEST2		Ground
3	J BUS SI	I/O	Changer data input for information
4	J BUS SO	I/O	Changer data output for information
5	J BUS SCK	I/O	Changer clock in/output for information
6	TELMUTE		Non connection
7	E.VOL ACKIN	I/O	Electrical volume for ACKinput
8	E.VOL SO	I/O	Electrical volume for data output
9	E.VOL SCK	I/O	Electrical volume for clock output
10	LCD CE	I/O	Chip enable signal output for LCD driver
11	REST SW	I/O	Rest switch for traverse mecha
12	LCD SO	I/O	Data output for LCD driver
13	LCD SCK	I/O	Clock output for LCD driver
14	MECHA SW4	I/O	8cm disk eject position (Detect switch input), 8cm loading wait timing start
15	NC		Non connection
16	BUCK	0	Communication clock output
17	CCE	0	Communication chip enable output
18	LM0	0	Loading motor control signal output (FWD)
19	LM1	0	Loading motor control signal output (REV)
20	CDREMOTE	0	Non connection
21	NC	0	Non connection
22	TUNER REMOTE	0	Antenna remote control output
23	J BU I/OCONT	0	In output selector for communication buffer output
24	KS2	0	Initial setting output pin 2
25	KS1	0	Initial setting output pin 1
26	KS0	0	Initial setting output pin 0
27	SD/ST	I	Station detector input, ST input
28	K2	I	Initial setting input pin 2
29	K1	I	Initial setting input pin 1
30	K0	I	Initial setting input pin 0
31	Vdd		Power source pin
32	MECHA SW2	I/O	Detect switch for 12cm disc input
33	IFREQ/AGC	0	IF count request output
34	NC		Non connection
35	NC		Non connection
36	NC		Non connection
37	BEEP LEVEL		Non connection
38	FM ILLUMI	0	Function illumination selector output (FM)
39	AM ILLUMI	0	Function illumination selector output (AM)
40	NC		Non connection

Pin No.	Symbol	I/O	Function
41	CD ON	0	CD power control signal output
42	BAND	0	FM/AM band selector signal output
43	POWER CONT	0	Power source IC control output
44	BEEP	0	Tach tone output
45	DETACH	I/O	Remove the front panel detecting input
46	POWER SAVE2	I/O	Power save 2 detecting input
47	MECHA SW1	I/O	Disc in detecting switch input 8cm disc detecting switch input
48	MECHA SW3	I/O	Disc existence detecting switch input Loading finishing detecting switch input
49	BUS3	I/O	CD LSI communication Bus line
50	BUS2	I/O	CD LSI communication Bus line
51	BUS1	I/O	CD LSI communication Bus line
52	BUS0	I/O	CD LSI communication Bus line
53	SYSTEM RESET	I/O	Microcomputer reset input
54	MONO	I/O	Monoral control signal output
55	OPTICAL REMOCON	I/O	Optical remote control signal input
56	J BUSINT	I/O	Cut into J bus input
57	NC		Non connection
58	NC		Non connection
59	CDLSI RESET	0	CD system reset signal output
60	MUTE	0	Voice mute control signal output
61	KEY0	I	Key AD input pin 0
62	KEY1	I	Key AD input pin 1
63	KEY2	I	Key AD input pin 2
64	A/D KEYSEL	I	Key mode selector AD
65	LEVEL IND	I	Level meter AD input pin
66	SM	I	S. meter input
67	POWER SAVE1		Power save1 detecting input
68	SNS		Power reduction sens pin
69	NC		Non connection
70	AM/FM IFCONT		AM/FM IF count signal input
71	NC		Non connection
72	NC		Non connection
73	Vdd		Power source pin
74	AMOSC		AM local oscillator signal input
75	FMOSC		FM local oscillator signal input
76	GND		Ground
77	NC		Non connection
78	ERROR OUT		PLL error signal output
79	GND		Test pin (To ground)
80	XOUT		4.5MHz crystal oscillator connection pin. (Out)

5.Analytic Drawing and Parts Lis

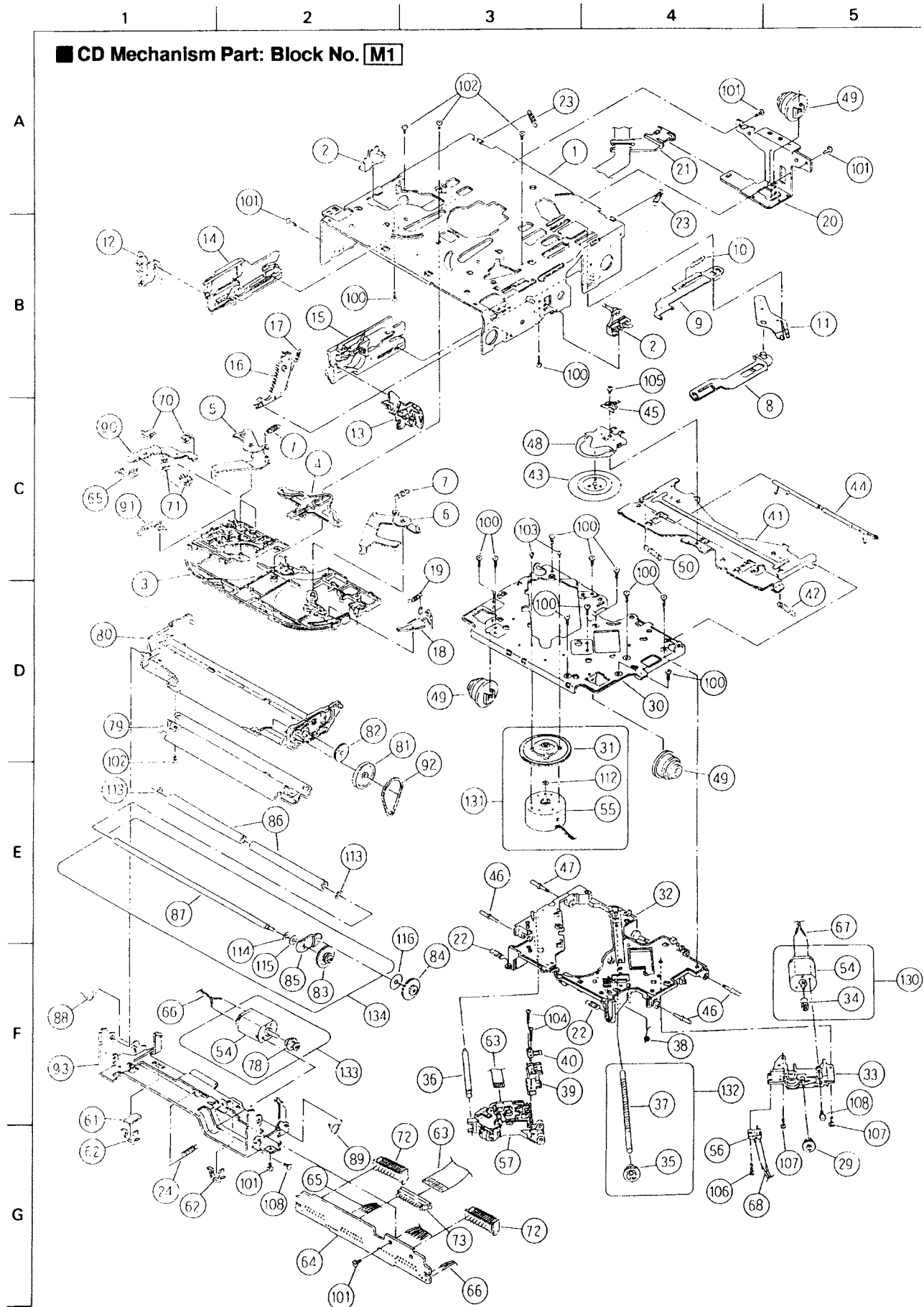


Fig.5-1

■ CD Mechanism Part List

 BLOCK NO. M1MM111

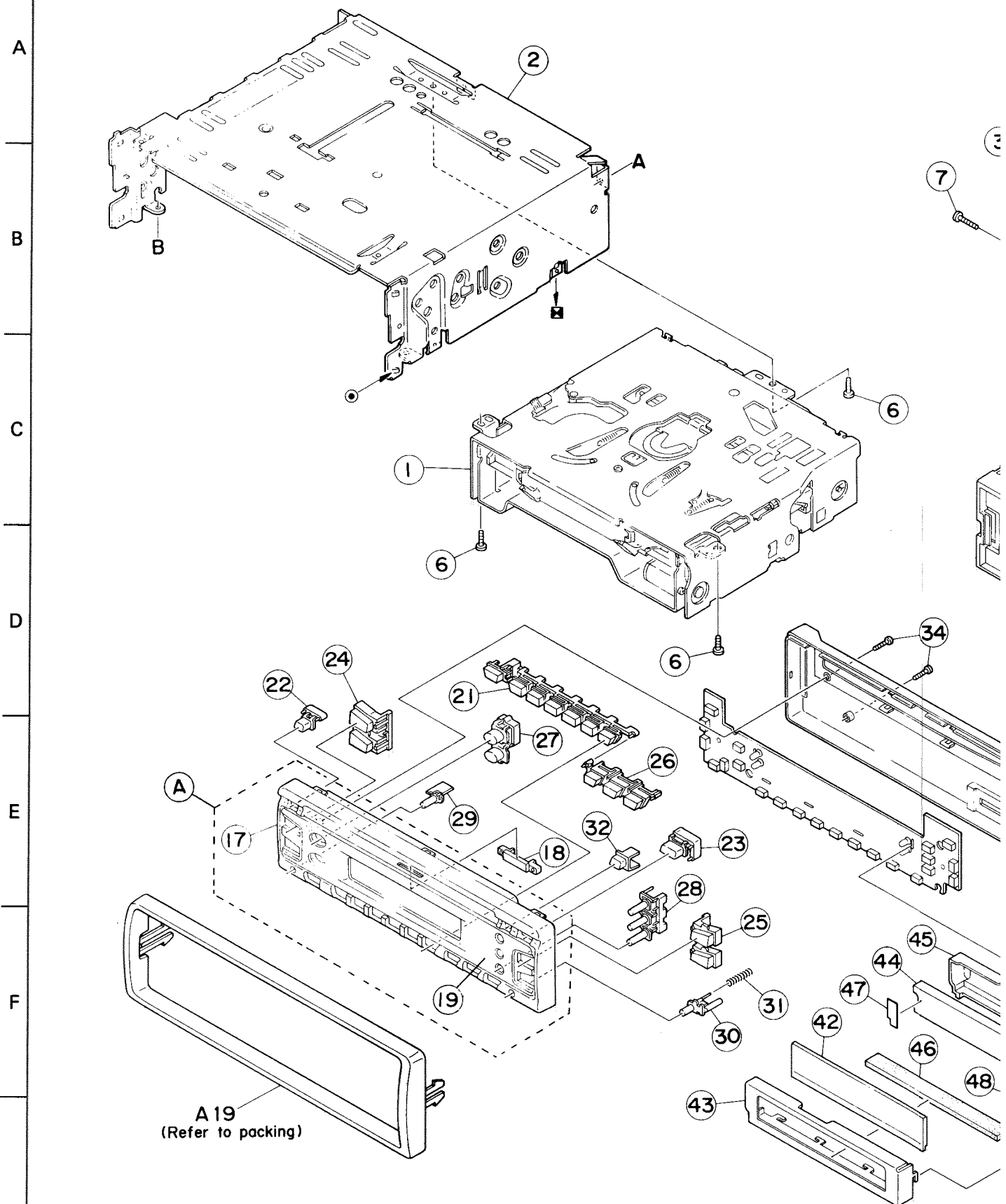
△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	30310101T	FRAME		1		
	2	30310103T	DANPER PIN		2		
	3	30310107T	UPPER PL		1		
	4	30310108T	SEL STOP PL		1		
	5	30310109T	SEL ARM (L)		1		
	6	30310110T	SEL ARM (R)		1		
	7	30310111T	S ARM SPRING		2		
	8	30310112T	TRIG LVR		1		
	9	30310114T	TRIG PL		1		
	10	30310115T	TRIG PL SPRING		1		
	11	30310116T	TRIG ARM		1		
	12	30310117T	FIX ARM (L)		1		
	13	30310118T	FIX ARM (R)		1		
	14	30310119T	FIX PL (L)		1		
	15	30310120T	FIX PL (R)		1		
	16	30310121T	LDG GR (6)		1		
	17	30310122T	LDG GR (6)SP		1		
	18	30310124T	S.L ARM		1		
	19	30310125T	S.L ARM SPRING		1		
	20	30310126T	REAR DAM BKT(J)		1		
	21	30310127T	FPC GUIDE		1		
	22	30310128T	HUNG UP SP (F)		2		
	23	30310129T	HUNG UP SP (R)		2		
	24	30310130T	LEVEL SP		1		
	29	30300510T	PU GEAR(B)		1		
	30	30310501T	TTB		1		
	31	-----	TURN TABLE		1		
	32	30310503T	FMB		1		
	33	30310504T	FD GR BKT		1		
	34	-----	FD GR (A)		1		
	35	-----	FD GR (C)		1		
	36	30310508T	PU SHAFT		1		
	37	-----	FD SCREW		1		
	38	30310510T	THRUST SPR		1		
	39	30310511T	PU M NUT		1		
	40	30310512T	NUT PUSH SPR PL		1		
	41	30310513T	CLP ARM		1		
	42	30310514T	CLP ARM SPRING		1		
	43	30310515T	CLAMPER		1		
	46	30310521T	LOCK PIN		3		
	47	30310522T	LOCK PIN BL		1		
	48	30310523T	CLAMPER PLATE		1		
	49	30310524T	DAMPER (J)		3		
	50	30310525T	CLP ARM SPR (L)		1		
	54	-----	FEED MOTOR	FF030PK-09210	1		
	55	-----	FEED MOTOR	FF030PK-09210	1		
	56	64180404T	SPINDLE MOTOR	RF300CA-11440D	1		
	57	OPTIMA-610MZ	DET SW	ESE11HS2	1		
	61	11050210T	CD.PICK UNIT		1		
	62	19501403T	FELT		1		
	63	19501403T	WIRE CLUMPER		2		
	64	30311001T	PICK UP FPC		1		
	65	30311002T	CONNECTER PCB(J		1		
	65	30311003T	WIRE (5P)		1		

BLOCK NO. M1MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
66	30311005T	WIRE (LD)		1		
67	30311006T	WIRE (FD)		1		
68	30311007T	WIRE (RS)		1		
70	64180402T	DET SWITCH	ESE22MH1	2		
71	64180403T	DET SWITCH	ESE22MH3	2		
72	68150230T	CONNECTOR	TKC-F14P-K3	2		
73	68170222T	CONNECTOR	6208010117	1		
78	-----	LDG PULLEY		1		
79	30311105T	SOPPORT PL		1		
80	30311108T	GR MT BLK		1		
81	30311109T	LDG GR (2)		1		
82	30311110T	LDG GR (3)		1		
83	-----	LDG GR (4)		1		
84	30311112T	LDG GR (5)		1		
85	-----	LDG GR ARM		1		
86	30311114T	LDG ROLLER		2		
87	-----	LDG RLR SFT		1		
88	30311118T	L.P SP (L)		1		
89	30311119T	L.P SP (R)		1		
90	30311123T	SW PCB		1		
91	30311124T	SW ACTR		1		
92	30311129T	LDG BELT		1		
93	30311130T	FRONT BRKT (J)		1		
100	9C0620503T	C B TAP SCREW	M2X5	11		
101	9C2020401T	C SCREW TS.G	M2X4	5		
102	9C4320403T	C B TAP SCREW	M2X4	4		
103	9C0117223T	SCREW	M1.7X2.2	2		
104	9C0117703T	C SCREW	M1.7X7	2		
105	9C4220201T	C TAP SCREW S3	M2X2	1		
106	9C4420003T	C TAP SCREW B3	M2X10	1		
107	9C4420503T	C TAP SCREW B3	M2X5	2		
108	9P0220031T	TAMS SCREW	M2X4	2		
112	-----	P W	2X3.5X0.25	1		
113	9W0125090T	P W	3.1X5.4X0.25	2		
114	-----	WAVE WASHER		1		
115	-----	LUMILAR W	2.5X6X0.1	1		
116	9W0735080T	LUMILAR W	2.3X9.8X0.35	1		
130	303105301T	FFED MO ASSY	NO.34,54	1		
131	303105302T	SPINDLE MO ASSY	NO.31,55,112	1		
132	303105303T	FEED SCREW ASSY	NO.35,37	1		
133	303111301T	LDG MOTOR ASSY	NO.54,78	1		
134	303111302T	RDG RLR SFT ASY	NO.83,85,87 114,115	1 1		

1 2 3 4 5

■ Enclosure Assembly Part: Block No. **M2**



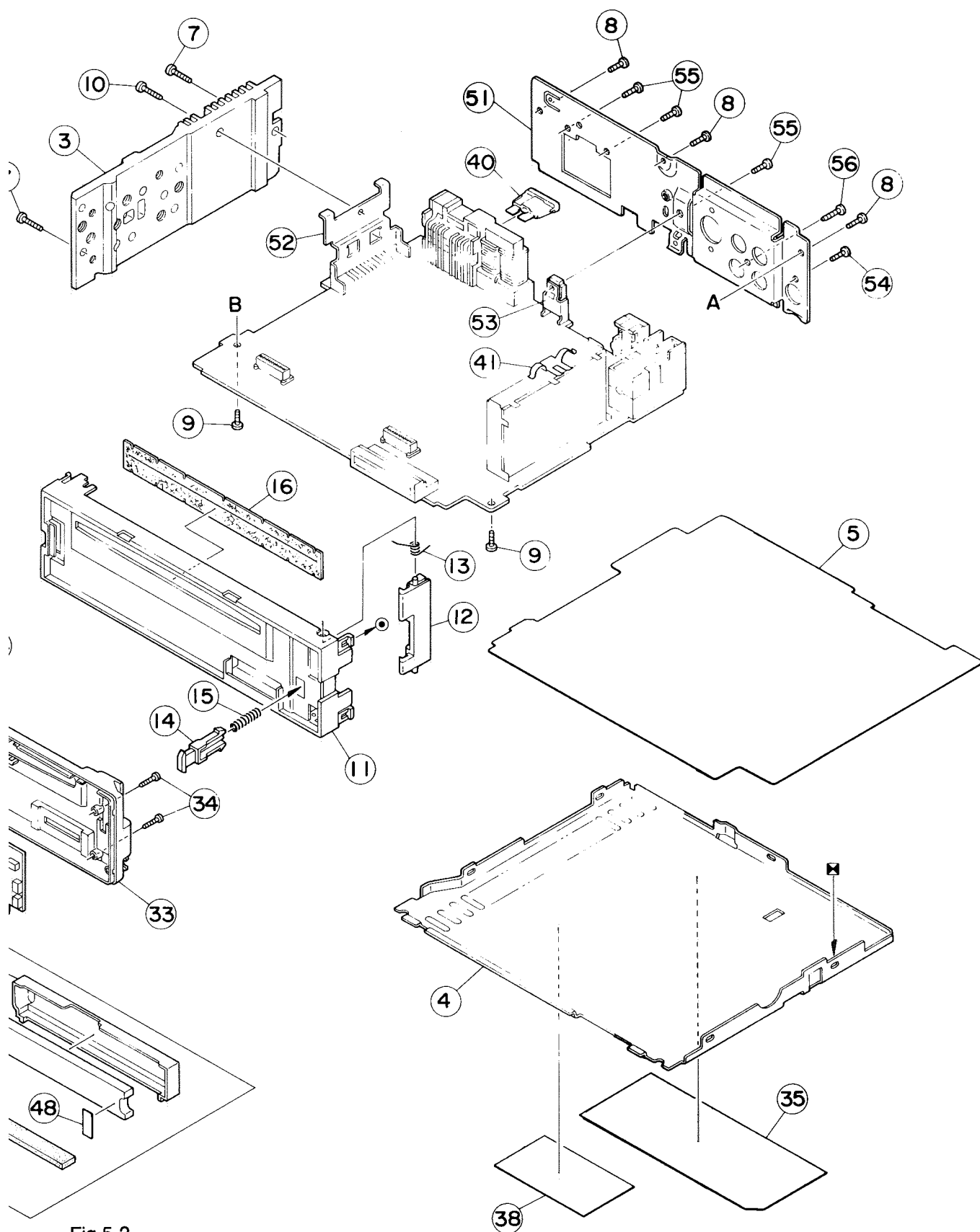


Fig.5-2

■ Enclosure Assembly Parts List

BLOCK NO. M2MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	A	ZCKDGS727J-NPA	NOSE PIECE ASSY	NO.17,19	1		
	1	-----	GS929 CD MECHA		1		
	2	FSJC1029-001	TOP CHASSIS		1		
	3	FSMH3001-001	HEAT SINK		1		
	4	FSKM3007-001	BOTTOM COVER		1		
	5	FSMA3004-001	INSULATOR		1		
	6	SDST2604Z	SCREW	CHASSIS+CD MECH	3		
	7	SDST2608Z	SCREW	CHASSIS+SIDE PA	2		
	8	SDST2606Z	SCREW	CHASSIS+REAR BK	3		
	9	SDST2606Z	SCREW	CHASSIS+MAIN PW	2		
	10	SDST2608Z	SCREW	SIDE PANEL+IC B	1		
	11	FSJC2010-001	FRONT CHASSIS		1		
	12	FSKS3004-001	LOCK LEVER		1		
	13	FSKW4005-003	TORSION SPRING		1		
	14	FSXP3026-001	RLS KNOB		1		
	15	FSKW3002-004	COMPRESS SPRING		1		
	16	FSPK3009-001	BLIND		1		
	17	FSJC1027-001	FRONT PANEL		1		
	18	FSJK3007-001	LIGHT LENS		1		
	19	FSJD2022-00B	FINDER		1		
	21	FSXP2022-001	PRESET BUTTON	1/2/3/4/5/6	1		
	22	FSXP3033-001	POWER BUTTON		1		
	23	FSXP3034-001	EJECT BUTTON		1		
	24	FSXP3036-001	+/- BUTTON		1		
	25	FSXP3037-001	UP DOWN BUTTON		1		
	26	FSXP2023-004	D.FUNC BUTTON		1		
	27	FSXP3038-003	SND/C. BUTTON		1		
	28	FSXP3039-001	PUSH BUTTON		1		
	29	FSXP4001-001	DISPLAY BUTTON		1		
	30	FSXP3035-001	DETACH BUTTON		1		
	31	FSKW3002-008	COMP.SPRING	FOR DETACH BUTT	1		
	32	FSJK4007-001	REMOTE LENS		1		
	33	FSJC1028-001	REAR COVER		1		
	34	VKZ4777-001	MINI SCREW	FRONT+REAR	4		
	35	VYN3782-S001	NAME PLATE		1		
	37	VND3115-001	LABEL		1		
	38	VND4922-001	CAUTION LABEL		1		
	40	QMFZ021-100-J1	FUSE		1		
	41	VMA4652-001	EARTH PLATE		1		
	42	QLD0002-001	LCD		1		
	43	FSYH3011-001	LCD CASE		1		
	44	VJK3680-001	LCD LENS		1		
	45	VKS3750-002	LENS CASE		1		
	46	VMZ0149-001	LCD CONNECTOR		1		
	47	VYTT689-001	BLIND(L)		1		
	48	VYTT690-001	BLIND(R)		1		
	51	FSKM3008-001	REAR BRACKET		1		
	52	FSKL4013-001	IC BRACKET		1		
	53	VKL7059-002	TR BRACKET		1		
	54	SDST2606Z	SCREW	FOR ANTENNA	1		
	55	SDSP2606Z	SCREW	FOR IC BRACKET	3		
	56	SDSF3006Z	SCREW	FOR JACK BRACKE	1		

6.Wiring Connections

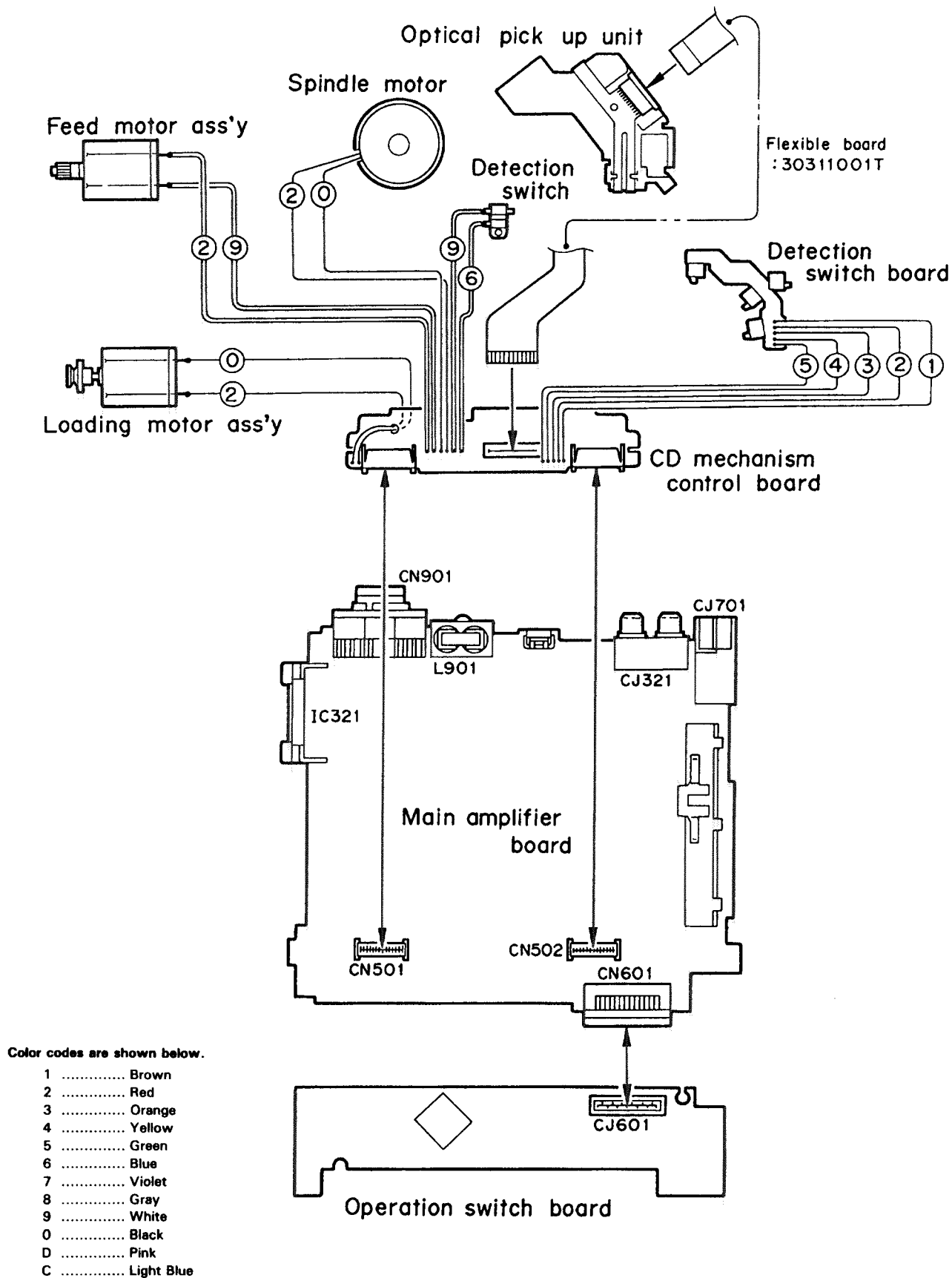


Fig.6-1

7. Standard Schematic Diagram

■ CD Servo Control & LCD Operation Switch Circuit: VDH3774-001CV

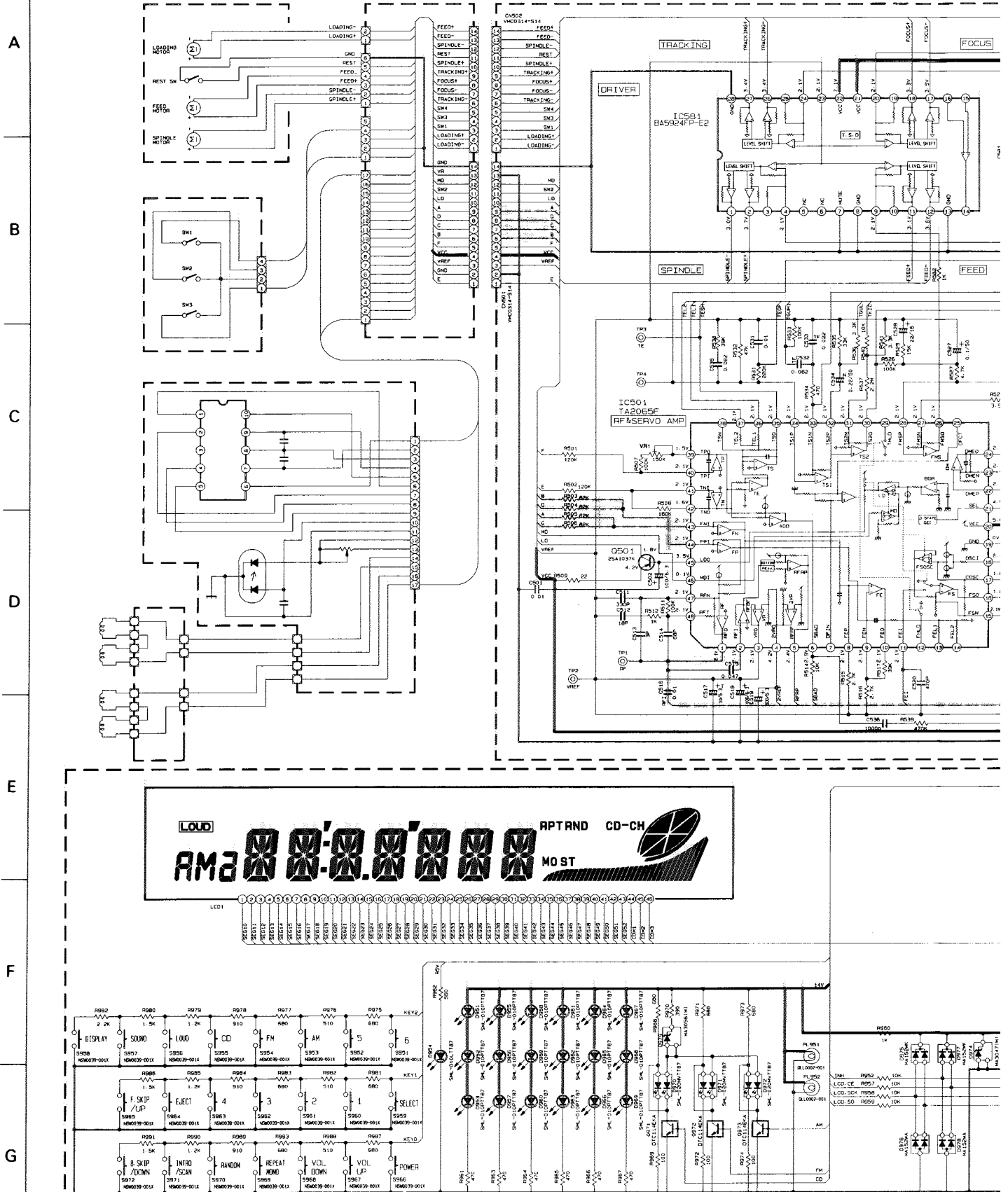


Fig.7-1

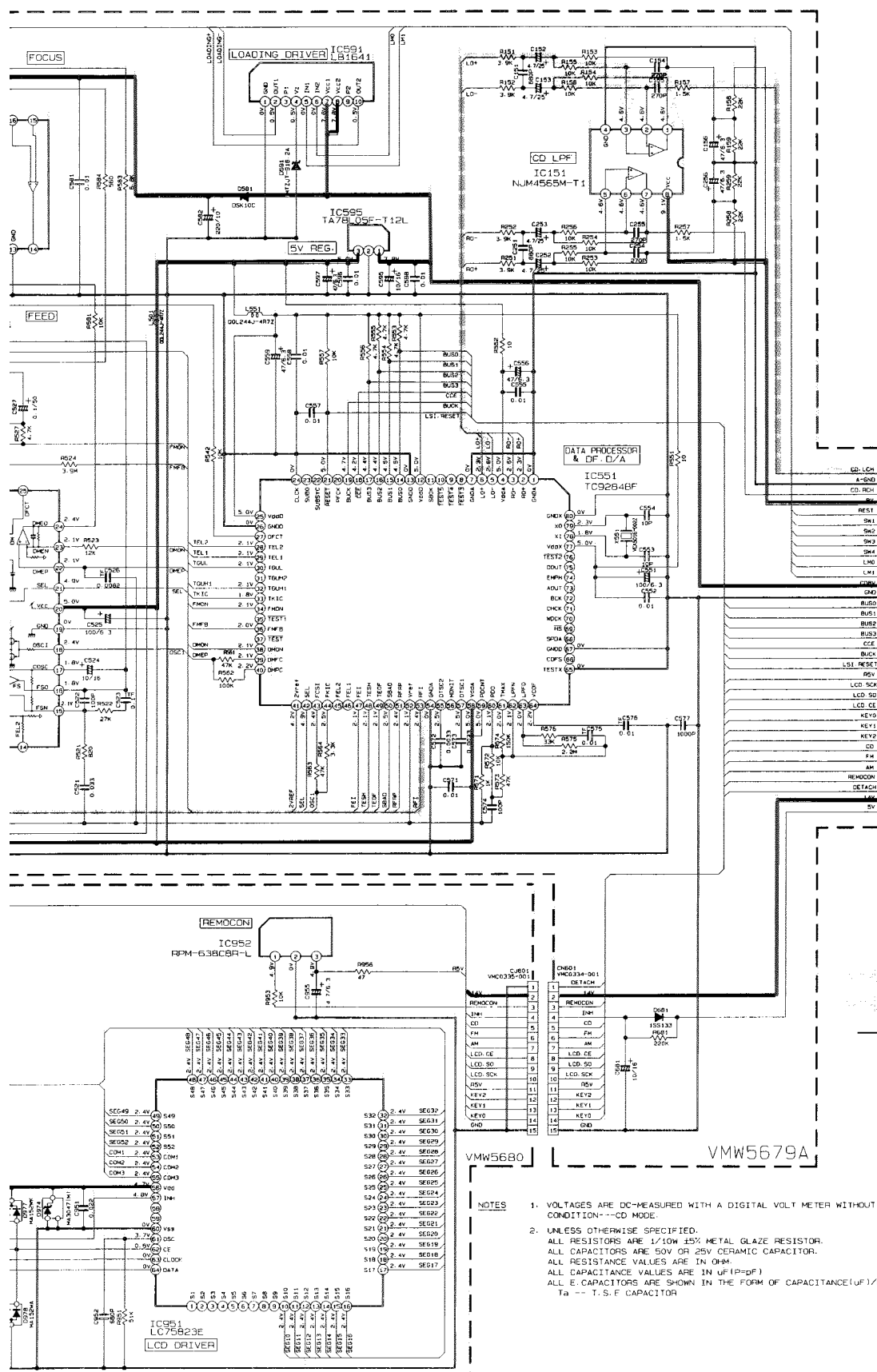
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Receiver & Power Amplifier Circuit : VDH3782-001AV

A

B

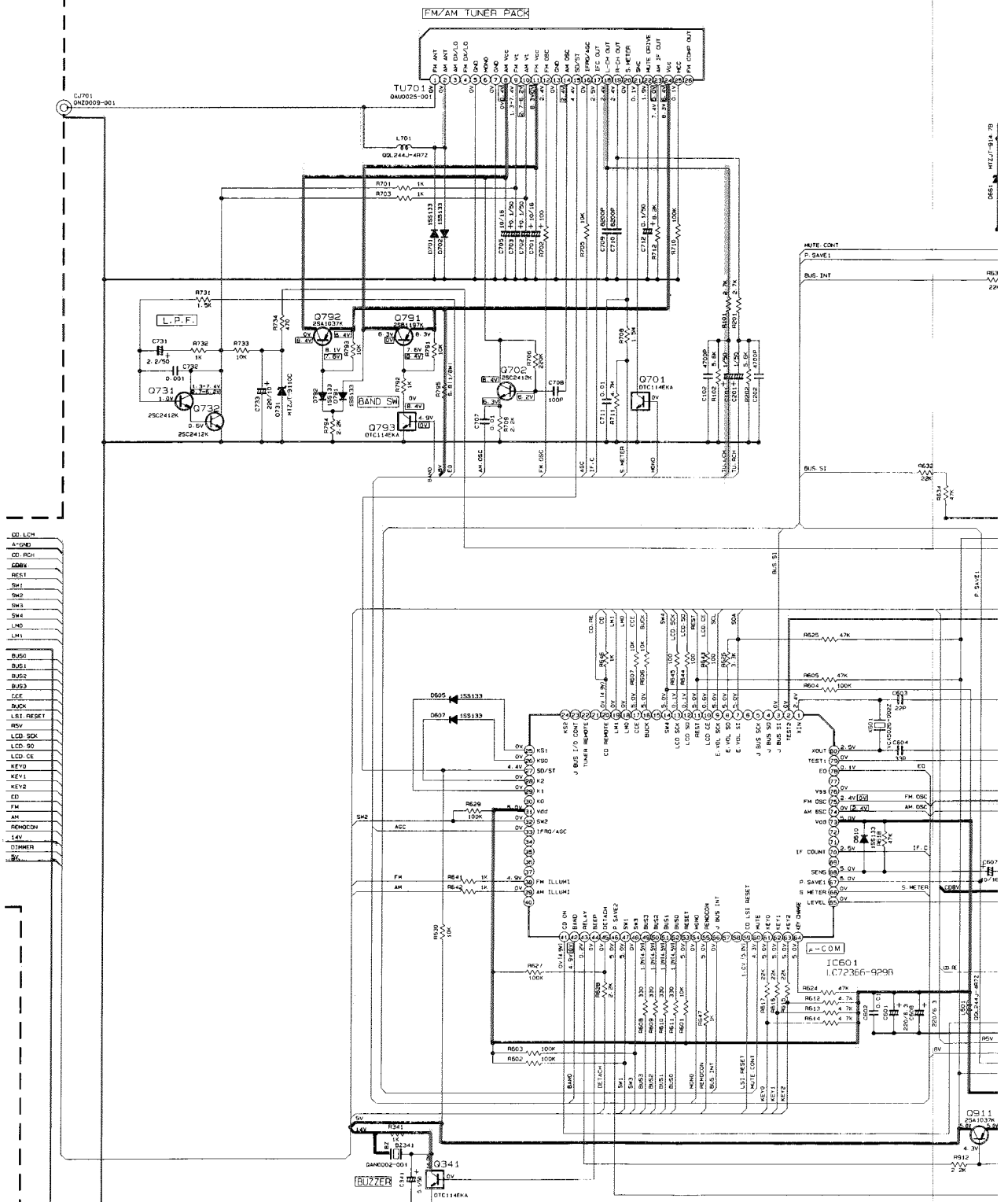
C

D

E

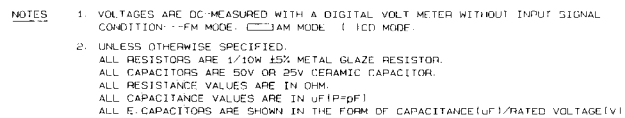
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G



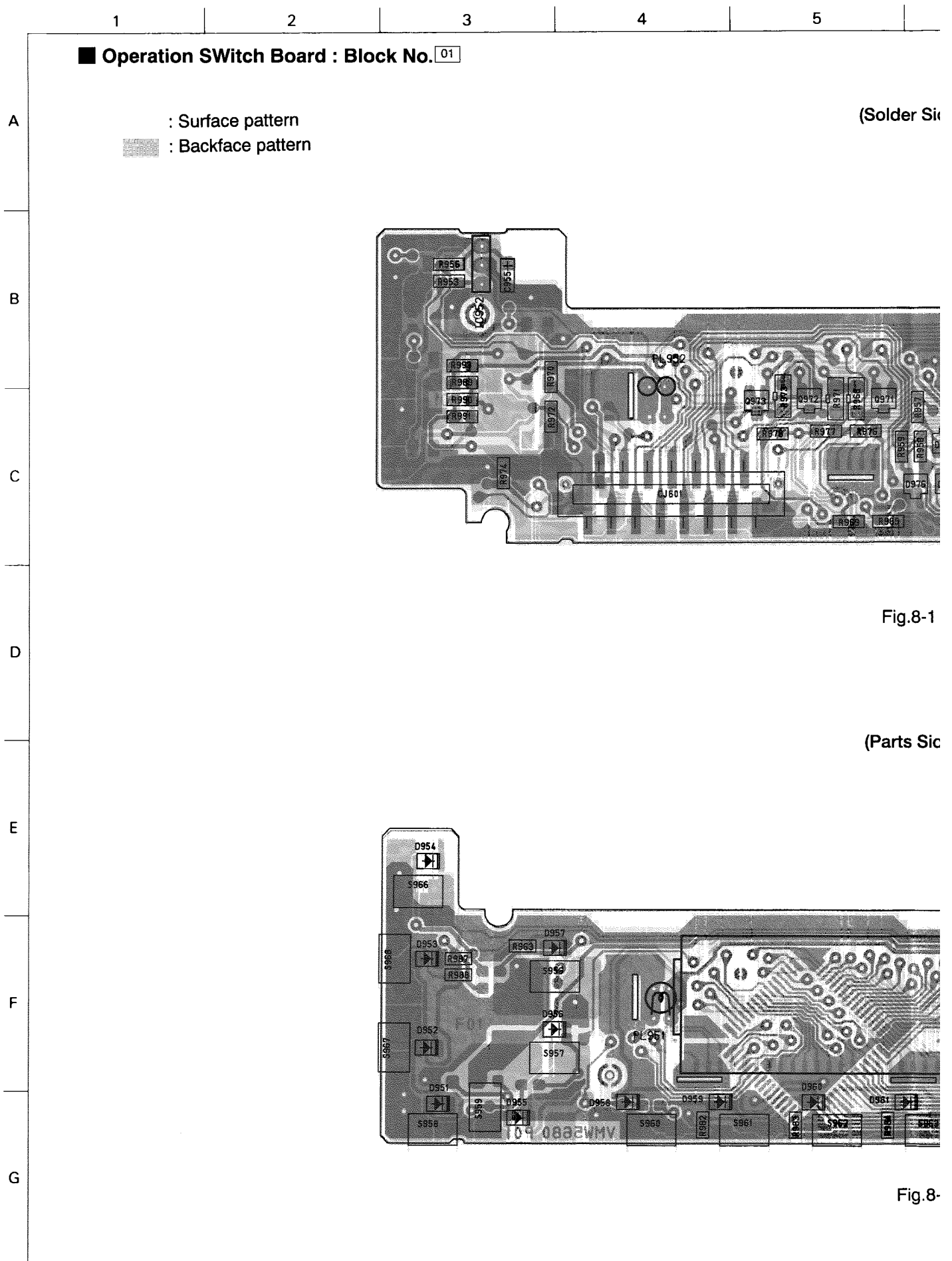
NOTES 1.
2.

Fig.7-2



VMW5679A

8. Location of P.C. Board Parts



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der Side)

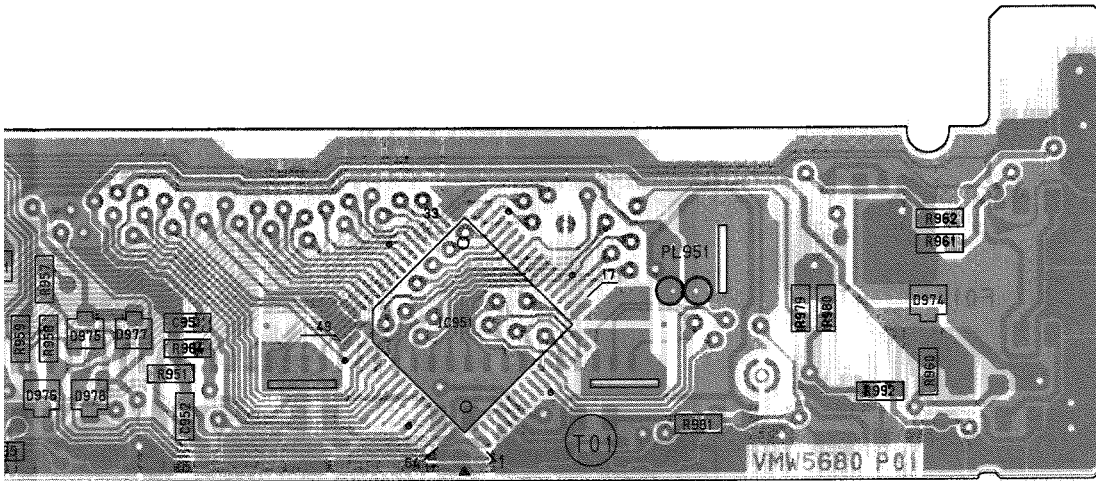


Fig.8-1

rts Side)

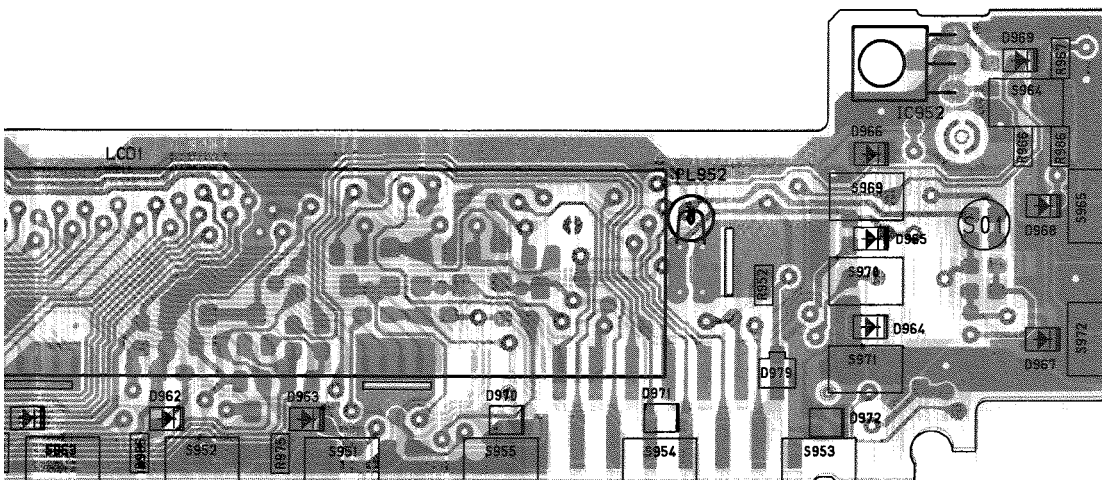


Fig.8-2

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Main Board : Block No. 02

(Solder Side)

A

■ : Surface pattern
 ■ : Backface pattern

B

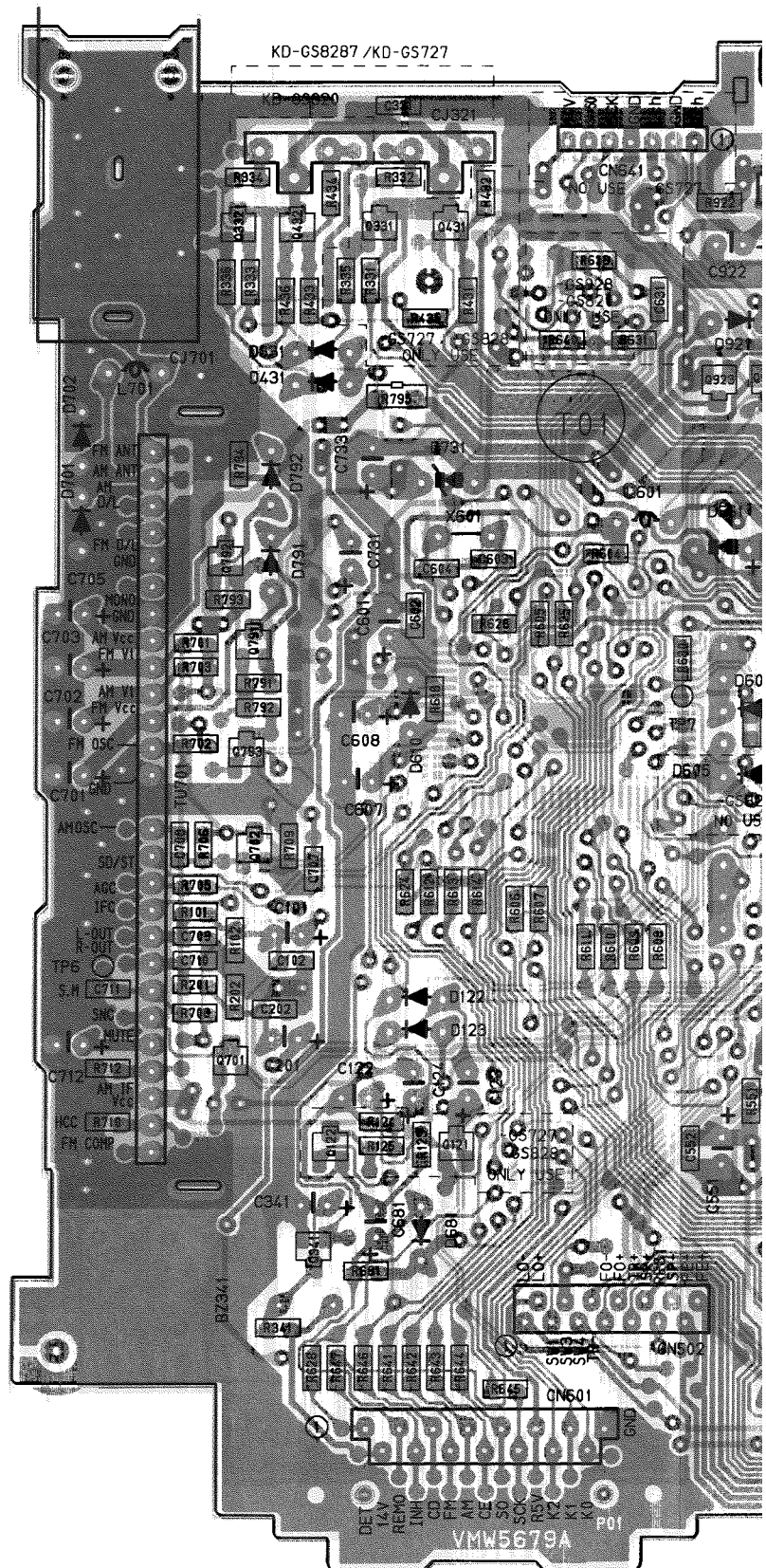
C

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er Side)

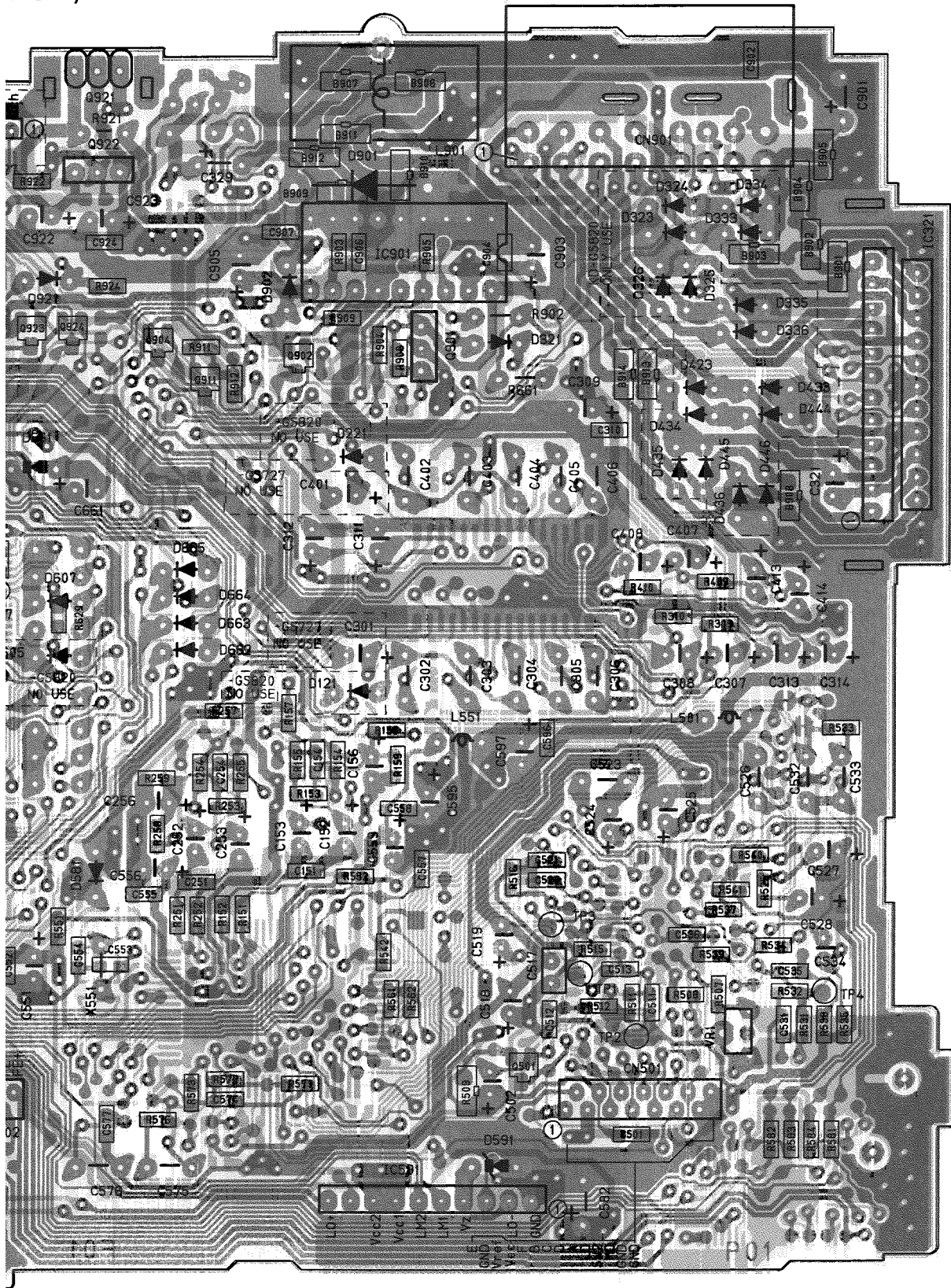
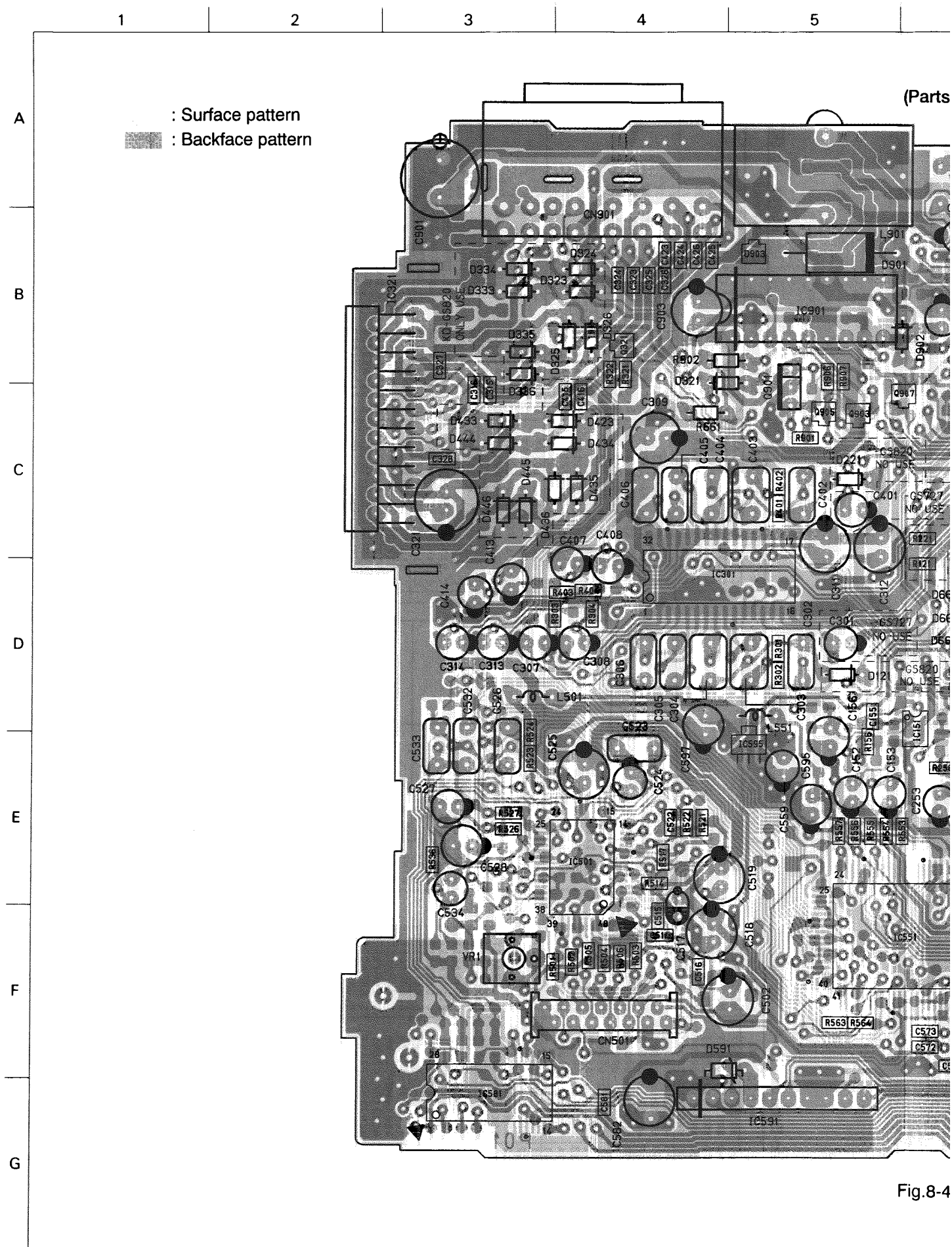


Fig.8-3



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KD-GS8287 /KD-GS727

KD-GS820

(Parts Side)

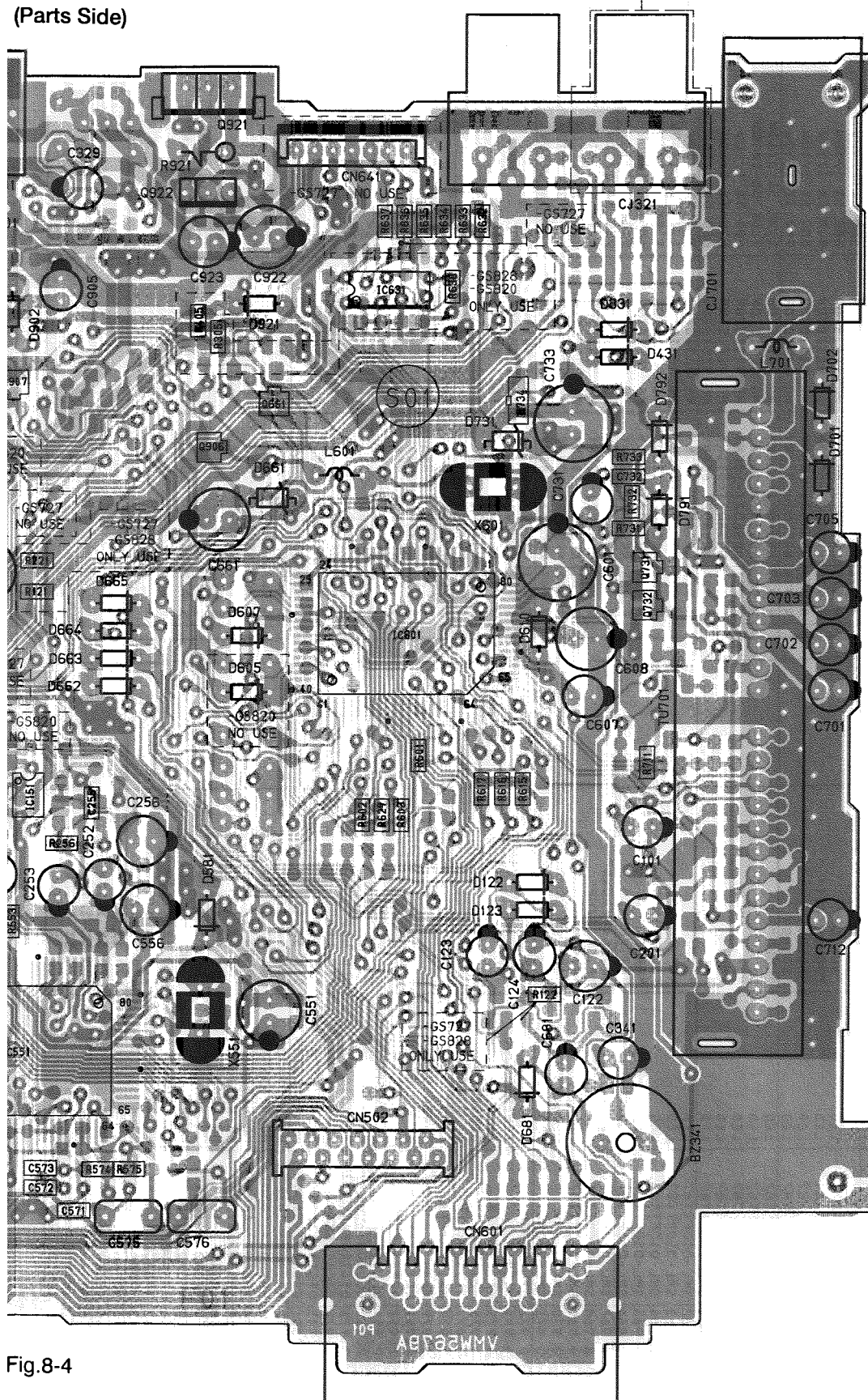


Fig.8-4

9.Electrical Parts List

Operation Switch

BLOCK NO. 01				BLOCK NO. 01			
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	REF.	PARTS NO.	PARTS NAME
C 931	NC821HK-223AY	C CAPACITOR	.022MF 10% 50V		R 969	NRS02J-101NY	MG RESISTOR
C 932	NC821HJ-681AY	C CAPACITOR	680PF 5% 50V		R 970	NRS02J-391NY	MG RESISTOR
C 935	NEF20JM-475RY	TS.E.CAPACITOR	4.7MF 20% 6.3V		R 971	NRS181J-681NY	MG RESISTOR
CJ601	VMC0335-001	CONNECTOR			R 972	NRS02J-101NY	MG RESISTOR
D 931	SML-010PTT87	LED	"DISPLAY"		R 973	NRS181J-681NY	MG RESISTOR
D 932	SML-010PTT87	LED	"VOL.DOWN"		R 974	NRS02J-101NY	MG RESISTOR
D 933	SML-010PTT87	LED	"VOL.UP"		R 975	NRS02J-681NY	MG RESISTOR
D 934	SML-010LT87	LED	"POWER/ATT"		R 976	NRS02J-511NY	MG RESISTOR
D 935	SML-010PTT87	LED	"SELECT"		R 977	NRS02J-681NY	MG RESISTOR
D 936	SML-010PTT87	LED	"SOUND"		R 978	NRS02J-911NY	MG RESISTOR
D 937	SML-010PTT87	LED	"LOUD"		R 979	NRS02J-122NY	MG RESISTOR
D 938	SML-010PTT87	LED	"1"		R 980	NRS02J-152NY	MG RESISTOR
D 939	SML-010PTT87	LED	"2"		R 981	NRS02J-681NY	MG RESISTOR
D 940	SML-010PTT87	LED	"3"		R 982	NRS02J-511NY	MG RESISTOR
D 941	SML-010PTT87	LED	"6"		R 983	NRS02J-681NY	MG RESISTOR
D 942	SML-010PTT87	LED	"5"		R 984	NRS02J-911NY	MG RESISTOR
D 943	SML-010PTT87	LED	"4"		R 985	NRS02J-122NY	MG RESISTOR
D 944	SML-010PTT87	LED	"SCAN/INT"		R 986	NRS02J-152NY	MG RESISTOR
D 945	SML-010PTT87	LED	"RND"		R 987	NRS02J-681NY	MG RESISTOR
D 946	SML-010PTT87	LED	"RPT/MONO"		R 988	NRS02J-511NY	MG RESISTOR
D 947	SML-010PTT87	LED	"B.SKIP/DOWN"		R 989	NRS02J-911NY	MG RESISTOR
D 948	SML-010PTT87	LED	"F.SKIP/UP"		R 990	NRS02J-122NY	MG RESISTOR
D 949	SML-010PTT87	LED	"EJECT"		R 991	NRS02J-152NY	MG RESISTOR
D 970	SML-020MV	LED	"CD"		R 992	NRS02J-222NY	MG RESISTOR
D 971	SML-020MV	LED	"FM"		R 993	NRS02J-681NY	MG RESISTOR
D 972	MA3047	ZENER DIODE	"AM"		S 951	NSW0039-001X	TACT SWITCH
D 973	MA152WK-TX	SI DIODE			S 952	NSW0039-001X	TACT SWITCH
D 974	MA152WA-TX	DIODE			S 953	NSW0039-001X	TACT SWITCH
D 975	MA152WK-TX	SI DIODE			S 954	NSW0039-001X	TACT SWITCH
D 976	MA152WA-TX	DIODE			S 955	NSW0039-001X	TACT SWITCH
D 977	MA152WK-TX	SI DIODE			S 956	NSW0039-001X	TACT SWITCH
D 978	MA152WA-TX	DIODE			S 957	NSW0039-001X	TACT SWITCH
D 979	MA3056	ZENER DIODE			S 958	NSW0039-001X	TACT SWITCH
IC951	LC75823E	IC			S 959	NSW0039-001X	TACT SWITCH
IC952	RPM-638C8R-L	IC			S 960	NSW0039-001X	TACT SWITCH
PL951	QLL0002-001	LAMP			S 961	NSW0039-001X	TACT SWITCH
PL952	QLL0002-001	LAMP			S 962	NSW0039-001X	TACT SWITCH
Q 971	DTC114EKA-X	TRANSISTOR	"CD LED"		S 963	NSW0039-001X	TACT SWITCH
Q 972	DTC114EKA-X	TRANSISTOR	"FM LED"		S 964	NSW0039-001X	TACT SWITCH
Q 973	DTC114EKA-X	TRANSISTOR	"AM LED"		S 965	NSW0039-001X	TACT SWITCH
R 951	NRS02J-513NY	MG RESISTOR	51K 5% 1/10W		S 966	NSW0039-001X	TACT SWITCH
R 952	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W		S 967	NSW0039-001X	TACT SWITCH
R 953	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W		S 968	NSW0039-001X	TACT SWITCH
R 954	NRS02J-470NY	MG RESISTOR	47 5% 1/10W		S 969	NSW0039-001X	TACT SWITCH
R 955	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W		S 970	NSW0039-001X	TACT SWITCH
R 956	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W		S 971	NSW0039-001X	TACT SWITCH
R 957	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W		S 972	NSW0039-001X	TACT SWITCH
R 958	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W				
R 959	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W				
R 960	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W				
R 961	NRS02J-471NY	MG RESISTOR	470 5% 1/10W				
R 962	NRS02J-471NY	MG RESISTOR	470 5% 1/10W				
R 963	NRS02J-471NY	MG RESISTOR	470 5% 1/10W				
R 964	NRS02J-471NY	MG RESISTOR	470 5% 1/10W				
R 965	NRS02J-471NY	MG RESISTOR	470 5% 1/10W				
R 966	NRS02J-471NY	MG RESISTOR	470 5% 1/10W				
R 967	NRS02J-471NY	MG RESISTOR	470 5% 1/10W				
R 968	NRS181J-681NY	MG RESISTOR	680 5% 1/8W				

BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 969	NRS02J-101NY	MG RESISTOR	100 5% 1/10W	
R 970	NRS02J-391NY	MG RESISTOR	390 5% 1/10W	
R 971	NRS181J-681NY	MG RESISTOR	680 5% 1/8W	
R 972	NRS02J-101NY	MG RESISTOR	100 5% 1/10W	
R 973	NRS181J-681NY	MG RESISTOR	680 5% 1/8W	
R 974	NRS02J-101NY	MG RESISTOR	100 5% 1/10W	
R 975	NRS02J-681NY	MG RESISTOR	680 5% 1/10W	
R 976	NRS02J-511NY	MG RESISTOR	510 5% 1/10W	
R 977	NRS02J-681NY	MG RESISTOR	680 5% 1/10W	
R 978	NRS02J-911NY	MG RESISTOR	910 5% 1/10W	
R 979	NRS02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
R 980	NRS02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 981	NRS02J-681NY	MG RESISTOR	680 5% 1/10W	
R 982	NRS02J-511NY	MG RESISTOR	510 5% 1/10W	
R 983	NRS02J-681NY	MG RESISTOR	680 5% 1/10W	
R 984	NRS02J-911NY	MG RESISTOR	910 5% 1/10W	
R 985	NRS02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
R 986	NRS02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 987	NRS02J-681NY	MG RESISTOR	680 5% 1/10W	
R 988	NRS02J-511NY	MG RESISTOR	510 5% 1/10W	
R 989	NRS02J-911NY	MG RESISTOR	910 5% 1/10W	
R 990	NRS02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
R 991	NRS02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 992	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 993	NRS02J-681NY	MG RESISTOR	680 5% 1/10W	
S 951	NSW0039-001X	TACT SWITCH	"6"	
S 952	NSW0039-001X	TACT SWITCH	"5"	
S 953	NSW0039-001X	TACT SWITCH	"AM"	
S 954	NSW0039-001X	TACT SWITCH	"FM"	
S 955	NSW0039-001X	TACT SWITCH	"CD"	
S 956	NSW0039-001X	TACT SWITCH	"LOUD"	
S 957	NSW0039-001X	TACT SWITCH	"SOUND"	
S 958	NSW0039-001X	TACT SWITCH	"DISPLAY"	
S 959	NSW0039-001X	TACT SWITCH	"SELECT"	
S 960	NSW0039-001X	TACT SWITCH	"1"	
S 961	NSW0039-001X	TACT SWITCH	"2"	
S 962	NSW0039-001X	TACT SWITCH	"3"	
S 963	NSW0039-001X	TACT SWITCH	"4"	
S 964	NSW0039-001X	TACT SWITCH	"EJECT"	
S 965	NSW0039-001X	TACT SWITCH	"F.SKIP"	
S 966	NSW0039-001X	TACT SWITCH	"POWER"	
S 967	NSW0039-001X	TACT SWITCH	"VOL.UP"	
S 968	NSW0039-001X	TACT SWITCH	"VOL.DOWN"	
S 969	NSW0039-001X	TACT SWITCH	"RPT/MONO"	
S 970	NSW0039-001X	TACT SWITCH	"RND"	
S 971	NSW0039-001X	TACT SWITCH	"SCAN/INT"	
S 972	NSW0039-001X	TACT SWITCH	"B.SKIP/DOWN"	

BLOCK NO. 021111

A	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
B	901	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	902	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	903	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	904	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	905	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	906	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	907	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	908	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	909	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	910	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	911	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	912	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	913	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	914	NRS181J-ORONY	MG RESISTOR	5% 1/8W	
B	9341	QAN0002-001	BUZZER		
C	101	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
C	102	NCB21HK-472AY	C CAPACITOR	4700PF 10% 50V	
C	122	QERF0JM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
C	123	QEK41HM-474	E.CAPACITOR	-47MF 20% 50V	
C	124	QERF1HM-224ZN	E.CAPACITOR	-22MF 20% 50V	
C	151	NC521HJ-221AY	C CAPACITOR	220PF 5% 50V	
C	152	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
C	153	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
C	154	NC521HJ-820AY	C CAPACITOR	82PF 5% 50V	
C	155	NC521HJ-820AY	C CAPACITOR	82PF 5% 50V	
C	156	QEKFOJM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
C	201	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
C	202	NCB21HK-472AY	C CAPACITOR	4700PF 10% 50V	
C	251	NC521HJ-221AY	C CAPACITOR	220PF 5% 50V	
C	252	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
C	253	QEK41EM-475	E.CAPACITOR	4.7MF 20% 25V	
C	254	NC521HJ-820AY	C CAPACITOR	82PF 5% 50V	
C	255	NC521HJ-820AY	C CAPACITOR	82PF 5% 50V	
C	256	QEKFOJM-476ZN	E.CAPACITOR	47MF 20% 6.3V	
C	302	FLA1HJ-822ZM	M.CAPACITOR	8200PF 5% 50V	
C	303	QV41HJ-224	FILM CAPACITOR	-22MF 5% 50V	
C	304	QV41HJ-224	FILM CAPACITOR	-22MF 5% 50V	
C	305	QV41HJ-335	FILM CAPACITOR	-033MF 5% 50V	
C	306	FLA1HJ-562ZM	M.CAPACITOR	5600PF 5% 50V	
C	307	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
C	308	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
C	309	QEKF1AM-107ZN	E.CAPACITOR	100MF 20% 10V	
C	310	NCB21HK-103AY	C CAPACITOR	-010MF 10% 50V	
C	311	QEKF1AM-107ZN	E.CAPACITOR	100MF 20% 10V	
C	312	QEK41EM-476	E.CAPACITOR	47MF 20% 16V	
C	313	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
C	314	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
C	315	NC521HJ-221AY	C CAPACITOR	220PF 5% 50V	
C	316	NC521HJ-221AY	C CAPACITOR	220PF 5% 50V	
C	321	QERF1CM-107ZM	E.CAPACITOR	100MF 20% 16V	
C	323	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C	324	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C	325	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C	326	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C	327	NFR21HK-473AY	C CAPACITOR	-047MF 10% 25V	

[illegible]

REF.	PARTS NO.	PARTS NAME	REMARKS	SUPPLX
C 328	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
C 331	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
C 331	QERF1HM-104ZN	E CAPACITOR	.10MF 20% 50V	
C 402	QFLA1HJ-822ZM	M.CAPACITOR	8200PF 5% 50V	
C 403	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
C 404	QFV41HJ-224	FILM CAPACITOR	.22MF 5% 50V	
C 405	QFV41HJ-333	FILM CAPACITOR	.033MF 5% 50V	
C 406	QFLA1HJ-562ZM	M.CAPACITOR	5600PF 5% 50V	
C 407	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
C 408	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
C 413	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
C 414	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
C 415	NC521HJ-221AY	C CAPACITOR	220PF 5% 50V	
C 416	NC521HJ-221AY	C CAPACITOR	220PF 5% 50V	
C 423	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C 424	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C 425	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C 426	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C 501	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 502	QER40JM-107	E.CAPACITOR	100MF 20% 6.3V	
C 511	NCT21CH-331AY	C.CAPACITOR	330PF +50:-10%	
C 512	NCT21CH-180AY	C CAPACITOR	18PF +50:-10% 1	
C 513	NCT21CH-3R0AY	C CAPACITOR	3.0PF +50:-10%	
C 514	NCT21CH-680AY	C CAPACITOR	68PF +50:-10% 1	
C 515	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
C 516	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 517	QEE40JM-106B	TS.E. CAPACITOR	10MF 20% 6.3V	
C 518	QEKFOJM-107Z	E CAPACITOR	100MF 20% 6.3V	
C 519	QEKFOJM-107Z	E CAPACITOR	100MF 20% 6.3V	
C 520	NC521HJ-471AY	C CAPACITOR	470PF 5% 50V	
C 521	NCB21HK-333AY	C CAPACITOR	.033MF 10% 25V	
C 522	NC521HJ-101AY	C CAPACITOR	100PF 5% 50V	
C 523	QFV41HJ-104ZM	FILM CAPACITOR	.10MF 5% 50V	
C 524	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
C 525	QEKFOJM-107Z	E CAPACITOR	100MF 20% 6.3V	
C 526	QFLA1HJ-822ZM	M.CAPACITOR	8200PF 5% 50V	
C 527	QERF1HM-104ZN	E.CAPACITOR	.10MF 20% 50V	
C 528	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	
C 531	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 532	QFV41HJ-823	FILM CAPACITOR	.082MF 5% 50V	
C 533	QFV81HJ-223	FILM CAPACITOR	.022MF 5% 50V	
C 534	QEPJ1HM-224ZM	NP E CAPACITOR	.22MF 20% 50V	
C 535	NCB21EK-823AY	C CAPACITOR	.082MF 10% 25V	
C 536	NC521HJ-102AY	C CAPACITOR	1000PF 5% 50V	
C 551	QEKFOJM-107Z	E CAPACITOR	100MF 20% 6.3V	
C 552	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 553	NCT21CH-100AY	C CAPACITOR	10PF +50:-10% 1	
C 554	NCT21CH-100AY	C CAPACITOR	10PF +50:-10% 1	
C 555	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 556	QEKFOJM-476Z	E.CAPACITOR	47MF 20% 6.3V	
C 557	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 558	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 559	QEKFOJM-476Z	E.CAPACITOR	47MF 20% 6.3V	
C 571	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 572	NCB21HK-332AY	C CAPACITOR	330PF 10% 50V	

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
D 591	MTZJT-916.2A	ZENER DIODE		
D 605	1SS133T-91	SI DIODE	INTRO/METER	
D 607	1SS133T-91	SI DIODE	BEEP	
D 610	1SS133T-91	SI DIODE		
D 661	MTZJ-4.7B	ZENER DIODE		
D 662	1SS133T-91	SI DIODE		
D 663	1SS133T-91	SI DIODE		
D 664	1SS133T-91	SI DIODE		
D 665	1SS133T-91	SI DIODE		
D 681	1SS133T-91	SI DIODE		
D 701	1SS133T-91	SI DIODE		
D 702	1SS133T-91	SI DIODE		
D 731	MTZJT-9110C	ZENER DIODE		
D 791	1SS133T-91	SI DIODE		
D 792	1SS133T-91	SI DIODE		
D 901	1N5401TU-15	DIODE		
D 902	DSK10C-E	DIODE		
D 903	MA152WK-TX	SI DIODE		
D 921	1SS133T-91	SI DIODE		
IC151	NJM4565M	IC		
IC301	TEA6320T	IC		
IC321	TDAB568Q	IC		
IC501	TA2065F	IC		
IC551	TC9284BF	IC		
IC581	BA5924FP-E2	IC		
IC591	LB1641	IC		
IC595	TA78LO5F-T12L	IC		
IC601	LC72366-9298	IC		
IC901	TD3603P	IC		
L 501	QBL244J-4R7Z	INDUCTOR		
L 531	QBL244J-4R7Z	INDUCTOR		
L 601	QBL244J-4R7Z	INDUCTOR		
L 701	QBL244J-4R7Z	INDUCTOR		
L 901	WTC2BAS-20A	CHOKE COIL		
Q 121	2SC2412KK1	TRANSISTOR		
Q 122	DTC114EKA-X	TRANSISTOR		
Q 321	DTC114EKA-X	TRANSISTOR		
Q 331	2SD601A(R)	TRANSISTOR		
Q 332	2SD601A(R)	TRANSISTOR		
Q 341	DTC114EKA-X	TR		
Q 431	2SD601A(R)	TRANSISTOR		
Q 432	2SD601A(R)	TRANSISTOR		
Q 501	2SA1037K(R)	TRANSISTOR		
Q 661	DTA114EKA-X	TRANSISTOR		
Q 701	DTC114EKA-X	TRANSISTOR		
Q 702	2SC2412KK1	TRANSISTOR		
Q 731	2SC2412KK1	TRANSISTOR		
Q 732	2SC2412KK1	TRANSISTOR		
Q 791	2SB1197K(Q,R)-X	TRANSISTOR		
Q 792	2SA1037K(R)	TRANSISTOR		
Q 793	DTC114EKA-X	TRANSISTOR		
Q 901	2SB132(RS)	TRANSISTOR		
Q 902	DTA144EKA-X	TRANSISTOR		
Q 903	2SC2412KK1	TRANSISTOR		
Q 904	DTA114EKA-X	TRANSISTOR		

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 573	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
C 574	NS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
C 575	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
C 576	QFV71HJ-103	FILM CAPACITOR	.010MF 5% 50V	
C 577	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
C 581	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 582	QET41AM-227	E.CAPACITOR	220MF 20% 10V	
C 595	QET41AM-106	E.CAPACITOR	10MF 20% 16V	
C 596	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 597	QEK40JM-476Z	E.CAPACITOR	47MF 20% 6.3V	
C 601	QEK40JM-227	E.CAPACITOR	220MF 20% 6.3V	
C 602	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 603	NCB21HK-103AY	C CAPACITOR	22PF +50%:-10% 1	
C 604	NCB21HK-103AY	C CAPACITOR	33PF +50%:-10% 1	
C 607	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
C 608	QEK40JM-227	E.CAPACITOR	220MF 20% 6.3V	
C 681	QEK41CM-107ZN	E.CAPACITOR	100MF 20% 10V	
C 681	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
C 701	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
C 702	QEK41CM-104	E.CAPACITOR	.10MF 20% 50V	
C 703	QEK41CM-104	E.CAPACITOR	.10MF 20% 50V	
C 704	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
C 705	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
C 707	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 708	NS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
C 709	NCB21HK-822AY	C CAPACITOR	8200PF 10% 50V	
C 710	NCB21HK-822AY	C CAPACITOR	8200PF 10% 50V	
C 711	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 712	QEK41CM-104	E.CAPACITOR	.10MF 20% 50V	
C 731	QEK41CM-225	E.CAPACITOR	2.2MF 20% 50V	
C 732	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
C 733	QERF1AM-227ZM	E.CAPACITOR	220MF 20% 10V	
C 901	QEZ0337-228	E CAPACITOR	2200MF	
C 902	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 903	QEK41CM-476	E.CAPACITOR	47MF 20% 16V	
C 904	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C 905	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
C 906	NCB21HK-104	C CAPACITOR	.10MF 10% 25V	
C 907	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
C 923	QEK41CM-226	E.CAPACITOR	22MF 20% 16V	
C 924	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
CJ321	VMJ3023-101	PIN JACK		
CJ701	GN70009-001	CAR ANT JACK		
CN501	VMC0314-S14	CONNECTOR		
CN502	VMC0314-S14	CONNECTOR		
CN601	VMC0334-001	CONNECTOR		
CN901	GN70002-001	16P CONNECTOR		
D 121	1SS133T-91	SI DIODE		
D 122	1SS133T-91	SI DIODE		
D 221	1SS133T-91	SI DIODE		
D 321	1SS133T-91	SI DIODE		
D 331	1SS133T-91	SI DIODE		
D 431	1SS133T-91	SI DIODE		
D 581	DSK10C-E	DIODE		

BLOCK NO. 02111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
Q 905	DT114EKA-X	TRANSISTOR		
Q 906	DTA114EKA-X	TRANSISTOR		
Q 907	DT114EKA-X	TRANSISTOR		
Q 911	2SA1037K(R)	TRANSISTOR		
Q 921	2SB941A(P-0)	TRANSISTOR		
Q 922	2SD1994A(R-5)TA	TRANSISTOR		
Q 923	DTA114EKA-X	TRANSISTOR		
Q 924	DT114EKA-X	TRANSISTOR		
R 101	NRS02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
R 102	NRS02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
R 121	NRS02J-274NY	MG RESISTOR	270K 5% 1/10W	
R 122	NRS02J-183NY	MG RESISTOR	18K 5% 1/10W	
R 123	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 124	NRS02J-473NY	MG RESISTOR	4.7M 5% 1/10W	
R 125	NRS02J-184NY	MG RESISTOR	180K 5% 1/10W	
R 151	NRS02J-393NY	MG RESISTOR	39K 5% 1/10W	
R 152	NRS02J-393NY	MG RESISTOR	39K 5% 1/10W	
R 153	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 154	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 155	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 156	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 157	NRS02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 158	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 159	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 201	NRS02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
R 202	NRS02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
R 221	NRS02J-274NY	MG RESISTOR	270K 5% 1/10W	
R 251	NRS02J-393NY	MG RESISTOR	39K 5% 1/10W	
R 252	NRS02J-393NY	MG RESISTOR	39K 5% 1/10W	
R 253	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 254	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 255	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 256	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 257	NRS02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R 258	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 259	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 301	NRS02J-183NY	MG RESISTOR	18K 5% 1/10W	
R 302	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 303	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 304	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 309	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 310	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 321	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 322	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 331	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 332	NRS02J-101NY	MG RESISTOR	100 5% 1/10W	
R 333	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 334	NRS02J-101NY	MG RESISTOR	100 5% 1/10W	
R 335	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 336	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 401	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 402	NRS02J-183NY	MG RESISTOR	18K 5% 1/10W	
R 403	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 404	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	

BLOCK NO. 02111111

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 409	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 410	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R 431	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 432	NRS02J-101NY	MG RESISTOR	100 5% 1/10W	
R 433	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 434	NRS02J-101NY	MG RESISTOR	100 5% 1/10W	
R 435	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 436	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 501	NRS02J-124NY	MG RESISTOR	120K 5% 1/10W	
R 502	NRS02J-124NY	MG RESISTOR	120K 5% 1/10W	
R 503	NRS02J-823NY	MG RESISTOR	82K 5% 1/10W	
R 504	NRS02J-823NY	MG RESISTOR	82K 5% 1/10W	
R 505	NRS02J-823NY	MG RESISTOR	82K 5% 1/10W	
R 506	NRS02J-823NY	MG RESISTOR	82K 5% 1/10W	
R 507	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 508	NRS02J-184NY	MG RESISTOR	180K 5% 1/10W	
R 509	NRS181J-220NY	MG RESISTOR	22 5% 1/8W	
R 511	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 512	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 514	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 515	NRS02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
R 516	NRS02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
R 517	NRS02J-393NY	MG RESISTOR	39K 5% 1/10W	
R 521	NRS02J-821NY	MG RESISTOR	820 5% 1/10W	
R 522	NRS02J-273NY	MG RESISTOR	27K 5% 1/10W	
R 523	NRS02J-123NY	MG RESISTOR	12K 5% 1/10W	
R 524	NRS02J-395NY	MG RESISTOR	3.9M 5% 1/10W	
R 525	NRS02J-153NY	MG RESISTOR	15K 5% 1/10W	
R 526	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 527	NRS02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 531	NRS02J-234NY	MG RESISTOR	230K 5% 1/10W	
R 532	NRS02J-475NY	MG RESISTOR	47K 5% 1/10W	
R 533	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 534	NRS02J-471NY	MG RESISTOR	470 5% 1/10W	
R 535	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R 536	NRS02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 537	NRS02J-225NY	MG RESISTOR	2.2M 5% 1/10W	
R 538	NRS02J-393NY	MG RESISTOR	39K 5% 1/10W	
R 539	NRS02J-474NY	MG RESISTOR	470K 5% 1/10W	
R 540	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 541	NRS02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 542	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 543	NRS02J-100NY	MG RESISTOR	10 5% 1/10W	
R 551	NRS02J-100NY	MG RESISTOR	10 5% 1/10W	
R 552	NRS02J-100NY	MG RESISTOR	10 5% 1/10W	
R 553	NRS02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 554	NRS02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 555	NRS02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 556	NRS02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R 557	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 561	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 562	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
R 563	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R 564	NRS02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 571	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R 572	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	

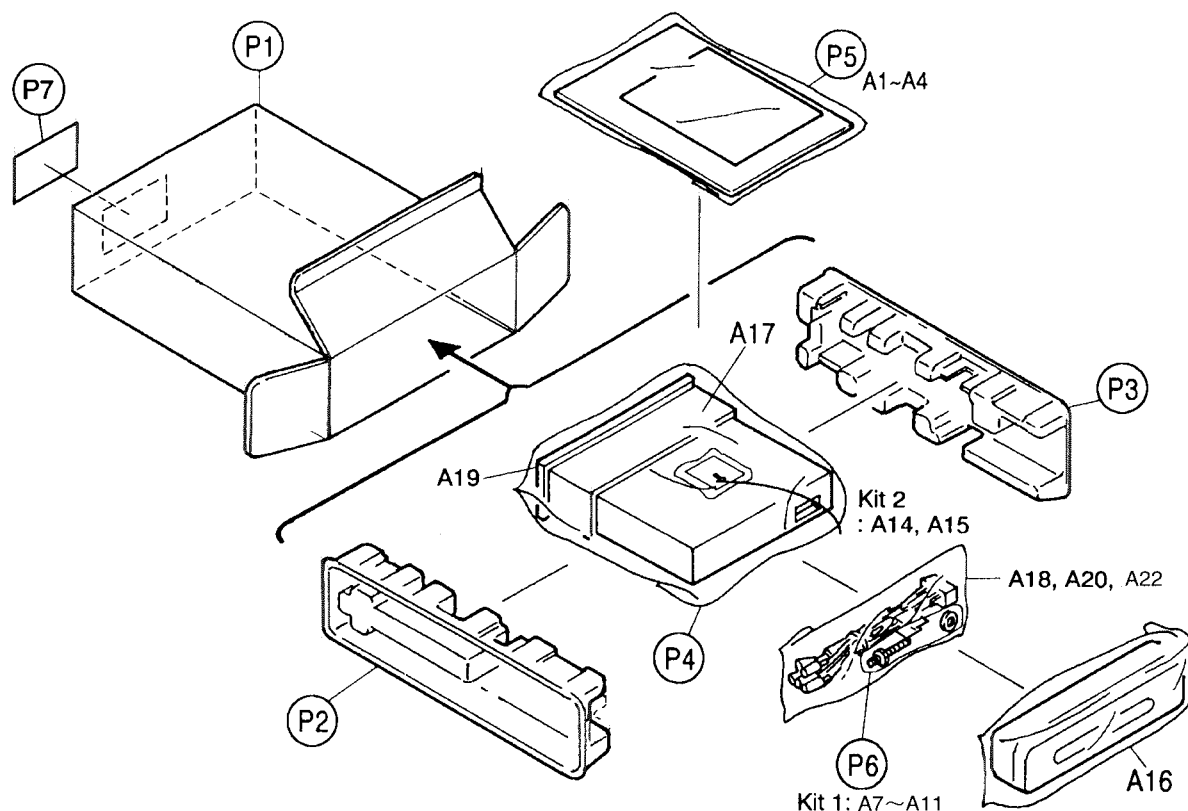
BLOCK NO. 02		BLOCK NO. 02	
REF.	PARTS NO.	PARTS NAME	SUFFIX
R 734	NRS181J-471NY	MG RESISTOR	470 5% 1/8W
R 791	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W
R 792	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
R 793	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W
R 794	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W
R 795	NRS181J-6R8NY	MG RESISTOR	6.8 5% 1/8W
R 901	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W
R 902	QRD141J-472	CARBON RESISTOR	4.7K 5% 1/4W
R 903	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W
R 904	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W
R 905	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W
R 906	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
R 907	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W
R 908	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
R 909	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
R 911	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
R 912	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W
R 921	GRX01DJ-R47X	M.F. RESISTOR	5% 1/1W
R 922	NRSA02J-100NY	MG RESISTOR	10 5% 1/10W
R 924	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W
TU701	GAUC0025-001	TUNER	
VR1	QV73523-154AZ	V.P. RESISTOR	
X 551	VCX5016-934V	CRYSTAL	
X 601	VCX5026-001Z	CRYSTAL	

BLOCK NO. 02		BLOCK NO. 02	
REF.	PARTS NO.	PARTS NAME	SUFFIX
R 573	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
R 574	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W
R 575	NRSA02J-225NY	MG RESISTOR	2.2M 5% 1/10W
R 576	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W
R 581	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W
R 582	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
R 583	NRSA02J-682NY	MG RESISTOR	6.8K 5% 1/10W
R 584	NRSA02J-561NY	MG RESISTOR	560 5% 1/10W
R 601	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W
R 602	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W
R 603	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W
R 604	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W
R 605	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
R 606	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W
R 607	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W
R 608	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W
R 609	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W
R 610	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W
P 611	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W
R 612	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W
R 613	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W
R 614	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W
R 615	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W
R 616	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W
P 617	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W
P 618	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
P 624	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
F 625	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W
R 626	NRSA02J-332NY	MG RESISTOR	3.3K 5% 1/10W
R 627	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W
R 628	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W
R 629	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W
R 630	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W
R 641	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
R 642	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
P 643	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W
P 644	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W
R 645	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W
R 646	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
R 647	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
R 661	QRD141J-472	CARBON RESISTOR	4.7K 5% 1/4W
R 681	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W
R 701	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
R 702	NRSA02J-101NY	MG RESISTOR	100 5% 1/10W
P 703	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
R 705	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W
R 706	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W
R 708	NRSA02J-155NY	MG RESISTOR	1.5M 5% 1/10W
R 709	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W
R 710	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W
R 711	NRSA02J-475NY	MG RESISTOR	4.7M 5% 1/10W
R 712	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W
P 731	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W
P 732	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W
R 733	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W

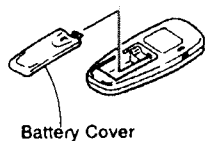
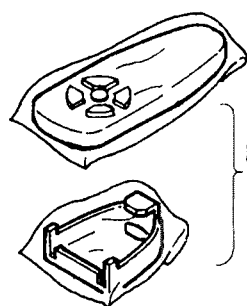
-MEMO-

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10.Packing



Accessories

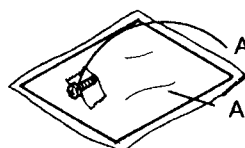


● SCREW KIT 1



1

● SCREW KIT 2



Packing Parts List

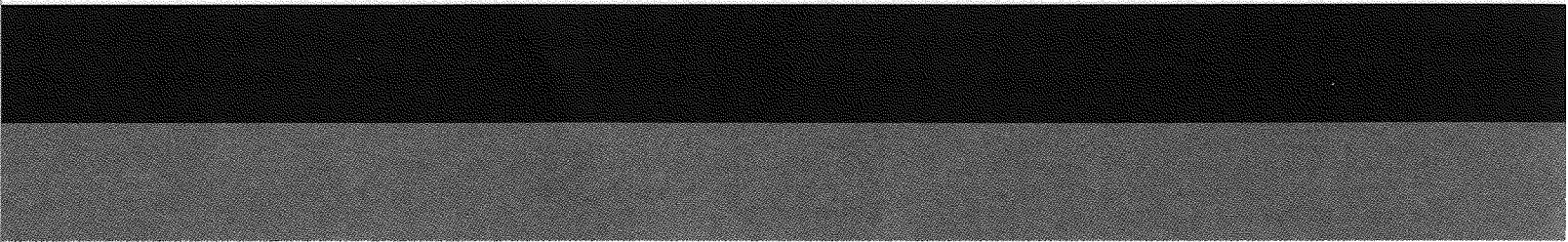
BLOCK NO. M3MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
P	1	VPC3782-S001	CARTON		1		
P	2	FSPH1010-001	PAPER CUSHION	R SIDE	1		
P	3	FSPH1009-001	PAPER CUSHION	L SIDE	1		
P	4	VPE3005-066	POLY BAG	SET	1		
P	5	QPGA017-02505	POLY BAG	INSTRUCTIONS	1		
P	6	QPGA008-01205	POLY BAG	KIT 1	1		
P	7	-----	CARTON LABEL		1		

Accessories

BLOCK NO. M4MM

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
A	1	VNN3782-631S	INSTRUCTIONS		1		
A	2	VNC2400-090	CAUTION SHEET		1		
		VNC2400-098	CAUTION SHEET		1		
A	3	BT-51009-2	WARRANTY CARD		1	J	
		BT-52001-3	WARRANTY CARD		1	C	
A	4	BT-20071B	SVC CENTER LIST		1	C	
		BT-20137	SERVICE NETWORK		1	J	
A	7	VKZ4027-002	PLUG NUT		1		
A	8	VKH4871-001	MOUNT BOLT		1		
A	9	VKZ4328-001	LOCK NUT		1		
A	10	WNS5000Z	WASHER		1		
A	11	FSKL4010-002	HOOK		2		
A	14	VKZ4777-001	MINI SCREW		1		
A	15	FSYA4001-001	SHEET		1		
A	16	FSJB3001-00A	HARD CASE		1		
A	17	FSKM2004-001	MOUNTING SLEEVE		1		
A	18	QAM0013-001	16P CORD ASS'Y		1		
A	19	FSJD2019-001	TRIM PLATE		1		
A	20	VGR0047-101	REMO-CON UNIT		1		
A	21	R03UPIT-2ST	BATTERY		1		
A	22	VYTT682-001	DOUBLE FACE		1		
KIT 1		KDGS717K-SCREW1	SCREW PARTS KIT	A7-A11	1		
KIT 2		KDGS727J-SCREW2	SCREW PARTS KIT	A14,A15	1		



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