CD RECEIVER

KDC-MP732

SERVICE MANUAL

KENWOOD

Kenwood Corporation

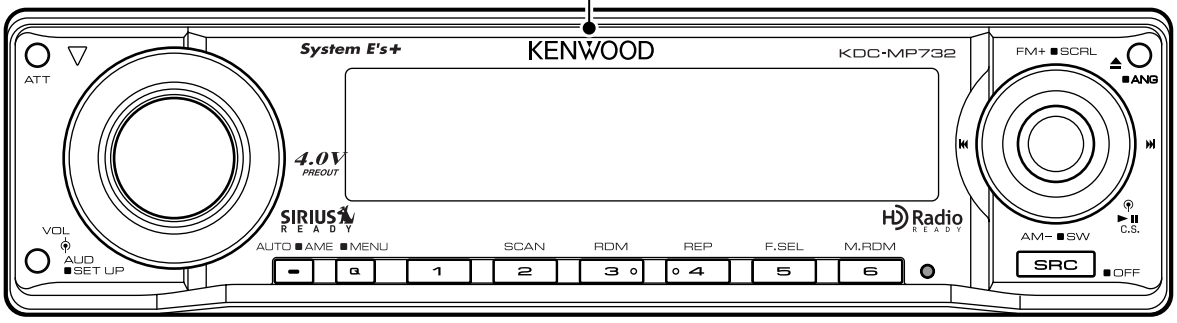
B53-0362-00 (N) 589

CD MECHANISM EXTENSIONCORD (24P) : **W05-0934-00**

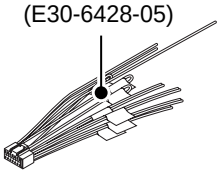
TDF PANEL INFORMATION

MODEL	TDF PANEL No.	TDF NAME
KDC-MP732	Y33-2430-61	TDF-MP67D

Panel assy
(A64-3732-02)



DC cord
(E30-6428-05)

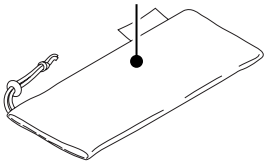


Remote controller assy
(A70-2067-15)

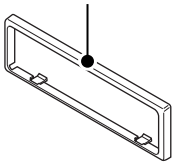
RC-527

SIZE AA BATTERY
(Not supplied)

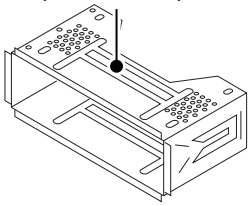
Carrying case
(W01-1661-05)



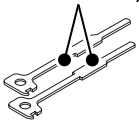
Escutcheon
(B07-3126-01)



Mounting hardware assy
(J21-9716-03)



Lever
(D10-4589-04) x2

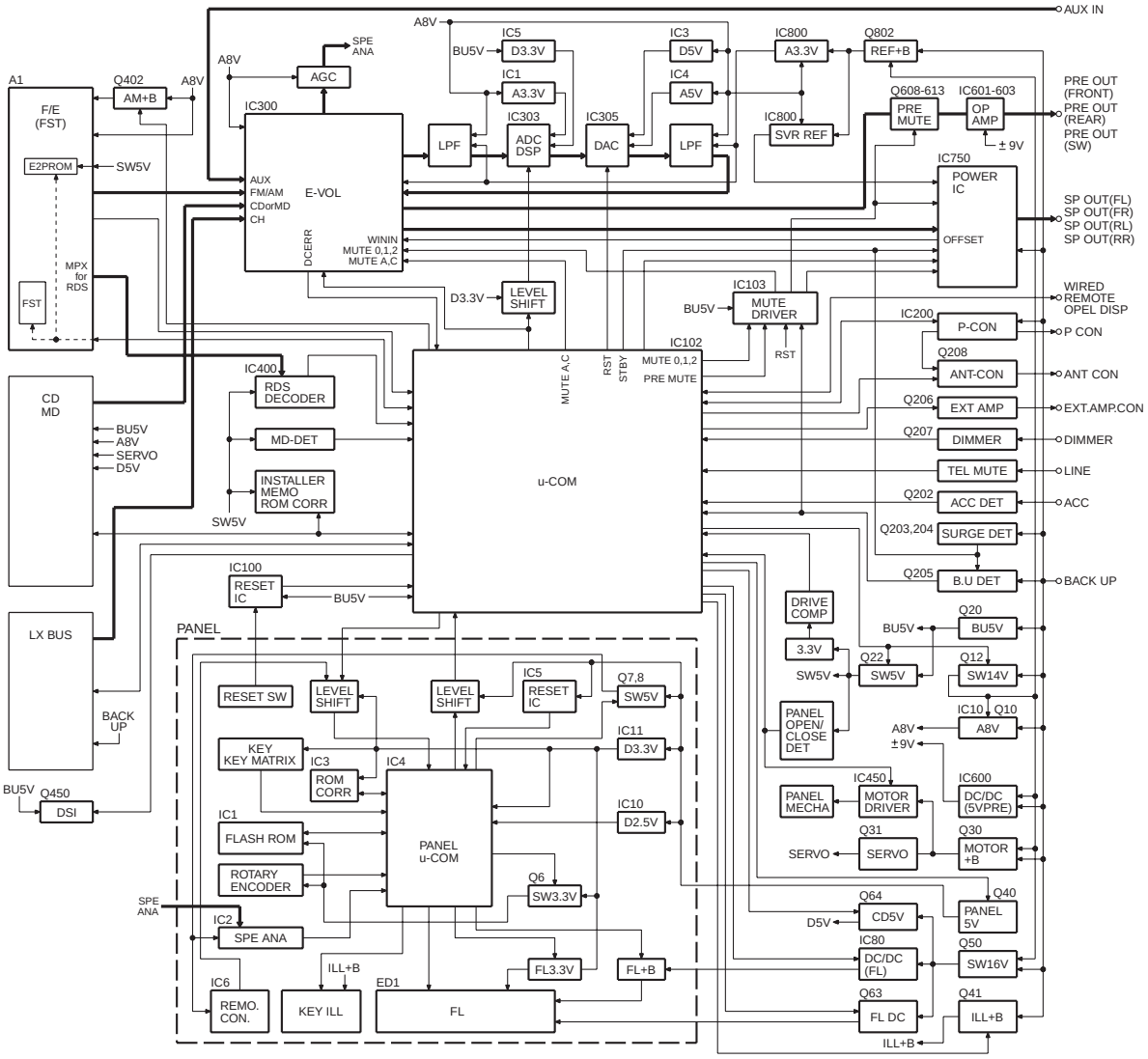


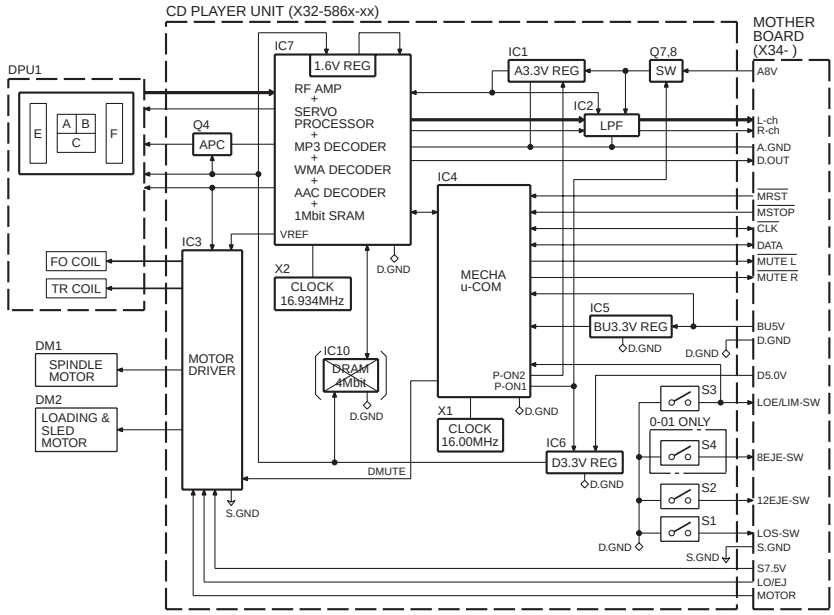
Screw set
(N99-1758-05)

Tapping screw
(N09-6280-05)

This product uses Lead Free solder.

BLOCK DIAGRAM





COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-3730-11)

<table>
<tr><th>Ref. No.</th><th>Application / Function</th><th>Operation / Condition / Compatibility</th></tr>
<tr><td>IC10</td><td>Audio 8V Ref Power Supply</td><td>Output 1.27V.</td></tr>
<tr><td>IC60</td><td>Switching Regulator Controller</td><td>Power Supply for VFD & Mecha digital.
CH1 : VFD (4.7V)
CH2 : Mecha digital (DXM-680x : 4V , Other : 5V)</td></tr>
<tr><td>IC80</td><td>Switching Regulator</td><td>Power supply for VFD. (57V)</td></tr>
<tr><td>IC100</td><td>Reset IC</td><td>“L” when detection voltage goes below 3.6V or less.</td></tr>
<tr><td>IC102</td><td>System μ-com</td><td>Controls FM/AM tuner, the changer, CD/MD mechanism,
Panel, volume and tone.</td></tr>
<tr><td>IC103</td><td>Muting logic IC</td><td>Controls logic for muting.</td></tr>
<tr><td>IC104</td><td>EEPROM</td><td>For installer’s memory</td></tr>
<tr><td>IC200</td><td>Power Control IC</td><td>Power control switch</td></tr>
<tr><td>IC300</td><td>Eelectrical Volume & Source Selecter</td><td>Controls the source, volume, and tone.</td></tr>
<tr><td>IC450</td><td>Panel mecha motor driver</td><td>Panel mecha control
<table>
<tr><th>IN1</th><th>IN2</th><th>Panel mecha</th></tr>
<tr><td>L</td><td>L</td><td>WAIT</td></tr>
<tr><td>L</td><td>H</td><td>OPEN</td></tr>
<tr><td>H</td><td>L</td><td>CLOSE</td></tr>
<tr><td>H</td><td>H</td><td>STOP</td></tr>
</table></td></tr>
<tr><td>IC451</td><td>G-Analyzer</td><td>Analog gravity sensor.</td></tr>
<tr><td>IC600</td><td>±9V AVR</td><td>Power supply for 5V Pre Out OP-AMP.</td></tr>
<tr><td>IC601~603</td><td>5V Pre-out AMP</td><td>Output buffer and gain control.</td></tr>
<tr><td>IC750</td><td>Power IC</td><td>Amplifies the front L/R and the rear L/R to 50W maximum.</td></tr>
<tr><td>IC800</td><td>Audio3.3V Ref Supply
SVR6.8V Ref Supply</td><td>Audio 3.3V Ref supply to electrical volume and all low pass filters.
SVR6.8V Ref supply to power IC.</td></tr>
<tr><td>Q10,11</td><td>Audio8V AVR</td><td>When Q11’ 2in goes Hi, A8V AVR outputs 8.0V.</td></tr>
<tr><td>Q12</td><td>SW14V</td><td>When Q12’ 2pin goes Hi, SW14V outputs 14V.</td></tr>
<tr><td>Q20,21</td><td>B.U.5V AVR</td><td>While BU is applied, BU5V AVR outputs +5V.</td></tr>
<tr><td>Q22,23</td><td>SW5V</td><td>When Q23’ base goes Hi, SW5V outputs +5V.</td></tr>
<tr><td>Q30,32</td><td>Moter+B AVR (Panel Mecha)</td><td>When Q9’ base goes Hi, Moter+B AVR outputs 7.5V.</td></tr>
<tr><td>Q31,33</td><td>Servo+B AVR</td><td>When Q33’ base goes Hi, Servo+B AVR outputs 8.5V.</td></tr>
<tr><td>Q40,42,45</td><td>Panel5V AVR</td><td>When Q42’ 2pin goes Hi, anel5V AVR outputs 5V.</td></tr>
<tr><td>Q41,43,44</td><td>Illumination AVR</td><td>When Q43’ 2pin goes Hi, Ill AVR outputs 10.5V.</td></tr>
<tr><td>Q50~52</td><td>SW16V (Surge Protection)</td><td>When Q51’ 2pin goes Hi, SW16V outputs 13V.</td></tr>
<tr><td>Q60</td><td>VFD (4.7V) AVR SW</td><td>When base goes Hi, VFD AVR off.</td></tr>
<tr><td>Q61</td><td>Switching Regulator frequency control SW (IC60)</td><td>
<table>
<tr><th>1pin \ 2pin</th><th>L</th><th>H</th></tr>
<tr><td>L</td><td>400kHz</td><td>600kHz</td></tr>
<tr><td>H</td><td>650kHz</td><td>850kHz</td></tr>
</table></td></tr>
<tr><td>Q62</td><td>Mecha digital AVR SW</td><td>When base goes Hi, Mecha digital AVR off.
∗DXM-680x : 4V, Other : 5V</td></tr>
</table>

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q63	VFD (4.7V) AVR Switching Power Driver	This FET is governed by IC60. Frequency is decided at Q61.
Q64	Mecha digital AVR Power Driver	This FET is governed by IC60. Frequency is fixed 400kHz.
Q80,81	VFD (57V) AVR SW	When Q81' base goes Hi, VFD (57V) AVR outputs 57V.
Q91	Panel5V Discharge SW	When Q91' base goes Hi, Panel5V is discharged.
Q100,101	Panel Detect SW	When Q100' base goes Lo, panel is detected.
Q200,201	Pre-out mute driver	When a base gose Lo, mute driver is turned on.
Q202	Acc Detect SW	When Q202' base gose Hi, Acc voltage is detected.
Q204	Surge Detect SW	When Q204' base goes Hi, IC750 is changed into a standby state.
Q205	B.U Detected SW	When Q35' base gose Hi, B.U voltage is detected.
Q207	Small-lamp Detect SW	When Q207' base goes Hi, Small-lamp is detected.
Q208,209	Power Antenna SW	When Q206' base goes Hi, power antenna switch outputs 14V.
Q300	DSP mute SW	When base goes Lo, DSP is set to mute.
Q402,403	AM+B SW	When Q403' base gose Hi, AM+B is outputs.
Q450	DSI Driver	DSI lights when the base is "L". DSI turns off when the base is "H". DSI turns on and off when panel is taken off.
Q600~602	Pre-Amp +9V AVR	Q600 and 602 works as a differential amplifier, Q601 works as a driver and +9.4V is supplied to OP Amp for Pre-out.
Q603~605	Pre-Amp -9V AVR	Q603 and 605 works as a differential amplifier, Q604 works as a driver and -9.1V is supplied to OP Amp for Pre-out.
Q606,607	AUDIO 10.5V AVR	When Q606' base goes Hi, AVR outputs 10.5V.
Q608~613	Pre-out mute SW	When a base gose Hi, Pre-out is set to mute.
Q800,802	REF+B AVR	When Q800' base goes Hi, AVR outputs 13V.
Q801	SVR6.8V Ref Supply AGC Controller	When the voltage of B.U voltage falls, a return is hung and an output is reduced.

● SWITCH UNIT (X16-3540-10)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	ROM IC FLASH ROM IC	Graphics data included
IC4	PANEL μ-COM	
IC5	RESET IC	When panel is attached, IC5 active
IC6	REMOTE CONTROL IC	Remote control receiver
IC7	BUFFER IC	It is change into 3.3V from 5V
IC8	BUFFER IC	It is change into 5V from 3.3V
IC9	BUFFER IC	For Control ED1
IC10	2.5V REGULATOR	The power supply For 2.5V
IC11	3.3V REGULATOR	The power supply For 3.3V
Q1	TRIANGLE GREEN LED SW	Triangle green LED is lighting when Q1's base level goes "H"

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q2	TRIANGLE RED LED SW	Triangle red LED is lighting when Q2's base level goes "H"
Q3	BLUE LED SW	Blue LED are lighting when Q3's base level goes "H"
Q4	GREEN LED SW	Green LED are lighting when Q4's base level goes "H"
Q5	RED LED SW	Red LED are lighting when Q5's base level goes "H"
Q6	SW3.3V SW	SW3.3V the power supply of IC1, 3 is turned on when Q6's base level goes "L"
Q7,8	SW5V SW	SW5V the power supply of IC2, 6 is turned on when Q8's base level goes "H"
Q9,10	FL3.3V SW	FL+3.3V (VDD1) is turned on when Q9's base level goes "H"
Q12	FL BLK SW	ED1 is lighted on when Q7's base level goes "H"
Q11,13	FL+B SW	FL+B (VDD2) is turned on when Q11's base level goes "H"

● CD PLAYER UNIT (X32-5860-00)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	A3.3V regulator	Power supply for audio 3.3V
IC2	Ope amp for low-pass filter	
IC3	4ch BTL driver	Driving spindle motor and loading/ejection operation
IC4	Mechanism μ-com	
IC5	BU 3.3V regulator	Power supply for backup 3.3V
IC6	D3.3V regulator	Digital 3.3V power supply
IC7	Audio DAC built-in servo DSP	MP3, WMA, and AAC compatible
IC11	Buffer IC	Level shift
Q1	A3.3V discharge circuit	
Q4	Current amp	Adjusts current to be sent to laser
Q5,6	SW 5V	
Q7,8	SW 8V	
D1	For current amp	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM MICROCOMPUTER : 30625MGPA78GP (X34 : IC102)

Pin No.	Pin Name	I/O	Function	Processing Operation
1	VREF	-	Analog reference voltage	
2	AVCC	-		
3	LX DATA S	I	Data from slave unit	
4	LX DATA M	O	Data to slave unit	
5	LX CLK	I/O	LX-BUS clock	
6	WIRED REMO	I	External display remoter controller	
7	LX MUTE	I	Mute request from slave unit	H : MUTE ON, L : MUTE OFF
8	AUD SDA	O	E-VOL data	SPI communication
9	AUD SEL	O	E-VOL control	SPI communication
10	AUD SCL	O	E-VOL clock	SPI communication
10	DSP_SCL	O	DSP clock output terminal	SPI communication
11	$\overline{\text{DAC RST}}$	O	DAC reset	L : DAC RESET
11	NC	O	Not used	L-output for models without DSP
12	NC	-	Not used	
13	BYTE	-	GND	
14	CNVSS	-		
15	XCIN	I	Clock	32,768kHz
16	XCOUT	I	Clock	32,768kHz
17	$\overline{\text{RESET}}$	I	Reset	
18	XOUT	-	Clock	12MHz
19	VSS	-	GND	
20	XIN	-	Clock	12MHz
21	VCC1	-		
22	NMI	I	Not used	
23	PANEL DET	I	Panel detection	H : No panel, L : Panel exists
24	RDS CLK	I	RDS decoder clock	
24	NC	O	Not used	L-output for models without RDS/RBDS
25	LX REQ S	I	Communication request from slave unit	
26	PON AM	I/O	AM power supply control	AM in operation : H, AM not in operation : HI-Z
27	LX REQ M	O	Communication request to slave unit	
28	TUN IFC OUT	I	Front-end IFC out	H : Station exists, L : No station
29	NC	O	Not used	
30	RDS AFS M	I/O	Time constant switching when noise detected	Refer to Truth Value Table ④
30	NC	O	Not used	L-output for models without RDS/RBDS
31	RDS QUAL	I	RDS decoder QUAL	
31	NC	O	Not used	L-output for models without RDS/RBDS
32	RDS DATA	I	RDS decoder DATA	
32	NC	O	Not used	L-output for models without RDS/RBDS
33	PWIC BEEP	O	Beep	
34	TUN SCL	I/O	Front-end I2C clock	
35	TUN SDA	I/O	Front-end I2C data	
36	SYS DATA	O	Inside-panel communication data	MAX 500kbps

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
37	VCC1	-		
38	PAN DATA	I	Inside-panel communication data	MAX 500kbps
39	VSS	-		
40	SYS REQ	O	Communication request from system μ-com	
41	PAN REQ	I	Communication request from panel	
42	SDA	I/O	I2C data input output	
43	SCL	I/O	I2C clock input output	
44	PON PANEL	I/O	Panel 5V control	ON : H (Momentary power down/Panel detached) 11 Minutes after ACC OFF : Hi-Z
45	DSI	I/O	DSI control	
46~49	NC	-	Not used.	
50	PM MOT1	O	Panel motor control 1	Refer to Truth Value Table ②
51	PM MOT2	O	Panel motor control 2	Refer to Truth Value Table ②
52	EPM	I	Flash EPM	
53	PM OPEN	I	Panel full open detection	Refer to Truth Value Table ③
54~56	NC	-	Not used	
57	P5V DIS	I/O	Panel 5V discharge control	H : Discharge, Other : Hi-Z
58	PM CLOSE	I	Panel mechanism close detection	Refer to Truth Value Table ③
59	ROMCOR DET	I	E2PROM write request	H : Write
60	PM DET	I	Panel mechanism detection	H : Function check in progress
61	SC CON	O	Inside-panel communication (Chip enable when flash)	POWER OFF, ACC OFF : L
62	NC	-	Not used	
63	TUN TYPE1	I	Destination setting 1	TUN TYPE1 : L, TUN TYPE2 : L Refer to Truth Value Table ⑤
64	TUN TYPE2	I	Destination setting 2	TUN TYPE1 : L, TUN TYPE2 : L Refer to Truth Value Table ⑤
65,66	NC	-	Not used	
67	CD DISC12 SW	I	12cm CD detection	
67	NC	O	Not used when MD	Output L fixed when MD
68	CD LOS SW	I	CD loading detection	
68	MD_LOS_EJE_SW	I	MD DISC position detection terminal	
69	CD MUTE R	I	CD mute (Rch) request	L : Rch mute request
69	NC	O	Not used when MD	Output L fixed when MD
70	CD MUTE L	I	CD mute (Lch) request	L : Lch mute request
70	MD_MUTE	I	MD MUTE request terminal	L : MUTE request
71	$\overline{\text{CD MRST}}$	O	CD mechanism microcomputer reset	L : Reset, H : Normal
71	$\overline{\text{MD\_MRST}}$	O	MD mechanism μ-com RST terminal	H : Normal, L : RESET
72	$\overline{\text{CD MSTOP}}$	O	CD mechanism microcomputer stop	L : Mechanism microcomputer stop, H : Mechanism microcomputer in operation
72	$\overline{\text{MD\_MSTOP}}$	O	MD mechanism μ-com stop terminal	H : Mechanism μ-com in operation, L : Mechanism μ-com stop
73	CD_DISC8_SW	I	CD disc detection terminal (8cm) (J only)	
73	NC	-	Not used	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
74	CD LOE LIM SW	I	CD detection (Chucking SW)	H : Loading complete, L : No disc
74	MD_LOE_LIM_SW	I	MD detection terminal (chucking SW)	H : Loading completed, L : No disc
75	CD LOEJ	I/O	CD motor control	Refer to Truth Value Table ①
75	MD_LOEJ	I/O	MD motor control terminal	Refer to Truth Value Table ①
76	CD MOTOR	O	CD motor control	Refer to Truth Value Table ①
76	MD_MOTOR	O	MD motor control terminal	Refer to Truth Value Table ①
77	PON ILLUMI	I/O	Key illumination power supply control	ON : H, OFF : Hi-Z
78	PON CD	I/O	CD/WMA power supply control	At time of CD source: H, Other than CD : Hi-Z
78	PON_MD	I/O	MD servo power supply control terminal	H : When MD mechanism in operation, Hi-Z : When other than MD source
79	PON	O	Power supply control	POWER ON : H, POWER OFF : L
80	PON FL+B	O	Fruorescent indicator tube bias power supply control	POWER ON : H, POWER OFF or display black out : L
81	$\overline{\text{PON FDC}}$	I/O	Fruorescent indicator tube filament power supply control	POWER ON : L, POWER OFF or display black out : Hi-Z
82	F SEL1	O	SW-Reg frequency switching	
83	F SEL2	O	SW-Reg frequency switching	
84	DIAG	I/O	P-CON excess current surveillance	
85	VCC2	-		
86	EXT AMP CON	I/O	External amplifier control	
86	NC	O	Not used	Fixed to L-output for models without EXT_AMP
87	VSS	-		
88~91	TYPE 1~TYPE4	I	Destination switching	Refer to Truth Value Table ⑥
92	NC	-	Not used	
93	OEM DISP DATA	I/O	External display DATA	External display
93	NC	O	Not used with DISP OUT	Output L fixed
94	OEM DISP CLK	I/O	External display CLK	External display
94	NC	O	Not used with DISP OUT	Output L fixed
95	OEM DISP CE	I/O	External display control request	External display
95	NC	O	Not used with DISP OUT	Output L fixed
96	NC	-	Not used.	
97	P CON	O	External amplifier control	POWER ON : H, POWER OFF or STANDBY : L
98	NC	-	Not used.	
99	ANT CONT	O	Power antenna control	TUNER ON : H
100	$\overline{\text{ILLUMI DET}}$	I	Dimmer illumination detection	L : ON, H : OFF
101	$\overline{\text{BU DET}}$	I	Momentary power down detection	BU : L, No BU or momentary power down : H
102	$\overline{\text{ACC DET}}$	I	ACC power supply detection	ACC ON : L, ACC OFF : H
103	(PWIC SVR)	O	SVR discharge circuit	H : 5 seconds after POWER OFF and momentary power down, Then : L
104	$\overline{\text{PWIC MUTE}}$	O	Power IC mute	L : When STANDBY source or momentary power down, L : When TEL MUTE
105	PWIC STBY	O	Power IC standby control	POWER ON : H, POWER OFF : L
106	LX CON	O	Start up request to slave unit	H : SLAVE UNIT ON, L : SLAVE UNIT OFF

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
107	$\overline{\text{MUTE PRE R}}$	O	Rch pre-out mute	L : When "MUTE PRE R" is "L" or at momentary power down, H : Only when 2-zone
107	NC	O	Not used when MD	Output L fixed
108	$\overline{\text{CD MUTE PRE L}}$	O	Lch pre-out mute	L : When "MUTE PRE L" is "L" or at momentary power down, H : Only when 2-zone
108	$\overline{\text{MUTE\_PRE}}$	O	PRE_OUT MUTE (MD)	L : When at momentary power down
109	$\overline{\text{MUTE 0}}$	O	E-VOL front mute	ON : L, OFF : H
110	$\overline{\text{MUTE 1}}$	O	E-VOL rear mute	ON : L, OFF : H
111	$\overline{\text{MUTE 2}}$	O	E-VOL sub mute	ON : L, OFF : H
112	NC	O	Not used	
113	$\overline{\text{DSP MUTE}}$	I/O	DSP mute	ON : L, OFF : Hi-Z
113	NC	O	Not used when without DSP	Output L fixed
114	$\overline{\text{MUTE C}}$	O	E-VOL AFS mute	ON : L, OFF : H
114	NC	O	Not used (in other than when the destination is E)	Output L fixed
115	$\overline{\text{DSP INIT RST}}$	O	DSP initial reset	L : Reset, H : Reset release
115	NC	O	Not used when without DSP	Output L fixed
116	$\overline{\text{DSP S RST}}$	O	DSP system reset	L : Reset, H : Reset release
116	NC	O	Not used when without DSP	Output L fixed
117	$\overline{\text{DSP RQ}}$	O	Request to DSP	L : Request
117	NC	O	Not used when without DSP	Output L fixed
118	$\overline{\text{DSP CS}}$	O	DSP chip select	L : Select
118	NC	O	Not used when without DSP	Output L fixed
119	NC (GTEST)	O	Not used	
120	LINE MUTE	I	Line mute detect	TEL MUTE : 1V or less, NAVI MUTE : 1V or less, 2.5V or more
121	$\overline{\text{MD DET}}$	I	For a terminal of MD receiver	
121	NC	O	Not used when CD	Output L fixed
122	$\overline{\text{PWIC DC DET}}$	I	DC offset error detect	
123	LX RST	O	Hard reset to slave unit	H : Reset, L : Normal
124	G Y OUT	I	Analog Y gravity detect	
124	NC	O	Not used when without G sensor	Output L fixed
125	G X OUT	I	Analog X gravity detect	
125	NC	O	Not used when without G sensor	Output L fixed
126	RDS NOISE	I	FM noise detection	
127	AVSS	-		
128	TUN SMETER	I	S-meter input	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Truth Value Table

① CD MOTOR / CD LOEJ

	CD MOTOR	CD LOEJ
Standby	L	L
Eject	H	H
Load	H	L
Brake	H	Hi-Z

② PANEL MOTOR

	OPEN	CLOSE	STOP	WAIT
PM MOT1	L	H	H	L
PM MOT2	H	L	H	L

③ PANEL MECHA

	FULL OPEN	FULL CLOSE	OTHER
PM OPEN	H	L	L
PM CLOSE	H	L	H

④ RDS AFS

	RDS AFS M	RDS AFS L	Condition
AFS LOW	L	L	No sound output with AF search
AFS MID	L	Hi-Z	Sound output with AF search
AFS HIGH	Hi-Z	Hi-Z	Normal reception

⑤ TUN TYPE setting

	TYPE1	TYPE2
Kenwood brand model	L	L
Setting for OEM1	L	H
Setting for OEM2	H	L
Setting for OEM3	H	H

⑥ TYPE setting

Destination	DSP	TYPE4	TYPE3	TYPE2	TYPE1
KDC-X790		0	1	1	0
KDC-MP732		0	1	0	1
KDC-MP8533		0	1	1	1
KDC-W8534	○	1	0	0	0
KDC-W8534Y	○	1	0	0	1

● PANEL MICROCOMPUTER : 703134GJ013-A (X16 : IC4)

Pin No.	Pin Name	I/O	Function	Processing Operation
1~7	D14~D8	I/O	Data input/output	
8	3.3VDD	-		3.3V
9	VSS	-		Connect to GND
10~17	D7~D0	I/O	Data input/output	
18	FLGCP1	O	FL harmony control	Lighting timing (brightness harmony) is controlled with pulse interval. GCP=FLGCP1+FLGCP2
19	NC	-	Not used	
20	SYS REQ	I	System μ-com communication request	H : Data communication
21	SC CON	I	System μ-com communication/Panel operation control	H : Panel operation
22	FL BK	O	Fruorescent indicator blackout control	H : Fruorescent indicator turned on, L : turned off
23	2.5VDD	-		2.5V
24	VSS	-		Connect to GND
25	NC	-	Not used	
26,27	$\overline{KS1}$, $\overline{KS2}$	I/O	Key scan	L : Output, Hi-Z : Switching
28,29	TD0, TD1	-	Not used	
30,31	$\overline{KS3}$, $\overline{KS4}$	I/O	Key scan	L : Output, Hi-Z : Switching
32	TRST	I		Pull down

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
33	$\overline{\text{ROTARY CCW}}$	I	Rotary A	1-pulse/2-click, 15-pulse/360°
34	$\overline{\text{ROTARY CW}}$	I	Rotary B	1-pulse/2-click, 15-pulse/360°
35,36	TMS, TCM	-	Not used	
37	3.3VDD	-		3.3V
38	EVSS	-		Connect to GND
39	$\overline{\text{KS5}}$	I/O	Key scan	L : Output, Hi-Z : Switching
40~42	$\overline{\text{KR1}}$, $\overline{\text{KR2}}$, $\overline{\text{KR3}}$	I	Key return	
43	FLGCP2	O	Fruorescent indicator harmony control	Lighting timing (brightness harmony) is controlled with pulse interval. GCP=FLGCP1+FLGCP2
44	PAN REQ	O	Panel communication request	H : Data communication in progress
45	$\overline{\text{SYS DATA}}$	I	Data reception from system μ-com	UART communication 500kbps
46	$\overline{\text{PAN DATA}}$	O	Data transmission from panel	UART communication 500kbps
47	$\overline{\text{FL CLK}}$	O	Fruorescent indicator serial communication reference clock	Reference clock 4.125MHz
48	$\overline{\text{KR4 INT}}$	I	Key return	Interruption possible
49	$\overline{\text{FL DATA1}}$	O	Fruorescent indicator serial control data	
50	$\overline{\text{CLK IN3}}$	I	Serial synchronization clock	Synchronized to Fruorescent indicator CLK
51	FL EL	O	Fruorescent indicator skip shift control	H or Hi-Z : Odd number skip, L : Even number skip
52	$\overline{\text{FL DATA2}}$	O	Fruorescent indicator serial control data	
53	$\overline{\text{CLK IN2}}$	I	Serial synchronization clock	Synchronized to Fruorescent indicator CLK
54	FL LAT	O	Fruorescent indicator latch control	
55	$\overline{\text{FL DATA3}}$	O	Fruorescent indicator serial control data	
56	3.3VDD	-		3.3V
57,58	X2,X1	I	Clock	6.6MHz
59	CVSS	-		Connect to GND
60	CKSEL	-		Connect to GND
61	PSEL	-		Connect to VDD
62	2.5VDD	-		2.5V
63	VSS	-		Connect to GND
64	MODE0	-		Connect to GND
65	MODE1	-		Pull down
66	$\overline{\text{PAN RST}}$	I	Input from reset IC	
67	AVDD1	I	D/A conversion reference voltage	Connect to D3.3V
68,69	NC	-		Pull down
70,71	AVSS1,AVSS0	-	D/A conversion reference GND	
72	AVDD0	-	A/D conversion reference voltage	Connect to D3.3V
73	WAVE IN	I	Voice input	AD read
74	F01	I	BPF (63Hz)	AD read
75	F02	I	BPF (150Hz)	AD read
76	F03	I	BPF (330Hz)	AD read
77	F04	I	BPF (1kHz)	AD read
78	F05	I	BPF (3.3kHz)	AD read
79	F06	I	BPF (10kHz)	AD read
80	NC	-		Pull down

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
81	2.5VDD	-		2.5V
82	VSS	-		Connect to GND
83	NC	-	Not used	
84	TYPE	I	Whether there is customizing or not designation setting	H : Flash ROM (This model), L : Mask ROM (Other model)
85	NC (VREFCON)	O	Not used	
86	$\overline{\text{REMO}}$	I	Remote controller signal	Detection with pulse width
87	PON FL+B	O	Fruorescent indicator bias power supply switch	H : ON, L : OFF
88	PON FLVDD	I/O	Fruorescent indicator logic section power supply switch	H : ON, Hi-Z : OFF
89	PON 5V	I/O	5V power supply switch	Remote controller IC / Space analyzer IC power supply H : ON, Hi-Z : OFF
90~93	NC	-	Not used	
94	$\overline{\text{WE}}$	I/O	Memory data write permission	L : Write, H : Wait SW3.3V start up : Hi-Z
95	$\overline{\text{OE}}$	I/O	Memory data transmission permission	L : Data transmission, H : Wait SW3.3V start up : Hi-Z
96,97	NC	-	Not used	
98	3.3VDD	-		3.3V
99	VSS	-		Connect to GND
100	FROMCHK	-	Not used	
101	$\overline{\text{CE}}$	I/O	Memory operation permission	L : Operation, H : Wait SW3.3V start up : Hi-Z
102~104	NC	-	Not used	
105	$\overline{\text{ROMCOR SCL}}$	-	For ROM correction	
106	$\overline{\text{ROMCOR SDA}}$	-	For ROM correction	
107	NC (SEL E2P)	-	Not used	
108	PON TRI GREEN	I/O	Triangle green light ON switch	H : Light ON, Hi-Z : Light OFF, When blackout : Light ON
109	PON TRI RED	I/O	Triangle red light ON switch	H : Light ON, Hi-Z : Light OFF
110	PON BLUE	I/O	Blue sub-illumination light ON switch	H : Light ON, Hi-Z : Light OFF
111	SA RST	O	Spectrum analyzer IC reset	H : Reset (1.8V or higher), L : Normal
112	3.3VDD	-		3.3V
113	EVSS	-		Connect to GND
114	PON GREEN	I/O	Green key illumination light ON switch	H : Light ON, Hi-Z : Light OFF
115	PON RED	I/O	Red illumination light ON switch	H : Light ON, Hi-Z : Light OFF
116	$\overline{\text{PON SW3V}}$	I/O	Rotary encoder power supply	L : ON, Hi-Z : OFF
117	NC	O	Not used	
118~123	A21~A16	O	Address output	
124	2.5VDD	-		2.5V
125	VSS	-		Connect to GND
126~133	A15~A8	O	Address output	
134	3.3VDD	-		3.3V
135	EVSS	-		Connect to GND
136~142	A7~A1	O	Address output	
143	NC	-	Not used	
144	D15	I/O	Data input/output	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● MECHANISM MICROCOMPUTER : 703030BYGCJ21A (X32 : IC4)

Pin No.	Pin Name	I/O	Application	Processing Operation Description	Remarks
1	NC	-	Not used.	Low-fixed	
2	E2P SCL	I/O	Rom correction E2P I2C clock		
3~5	NC	-	Not used.	Low-fixed	
6	VDD	-	5V electric potential		
7	GND	-	GND electric potential		
8,9	NC	-	Not used.	Low-fixed	
10,11	PON1,PON2	O	Power ON/OFF control	H : ON, L : OFF	
12	LOE/LIM SW	I	Down-limit SW detection	L : Lim detection	
13	DAC MUTE	O	DAC MUTE control	H : MUTE ON, L : MUTE OFF	Used with DXM-6680W (X32-586). With DXM-6580W (X32-574), open and L-fixed.
14	DAC RST	O	DAC RESET	H : NORMAL, L : RESET	Used with DXM-6680W (X32-586). With DXM-6580W (X32-574), open and L-fixed.
15	EMPH	O	External DAC Emphasis control	H : Emphasis ON, L : Emphasis OFF	Used with DXM-6680W (X32-586). With DXM-6580W (X32-574), open and L-fixed.
16,17	NC	-	Not used.	Low-fixed	
18	IC/Vpp	-	Write voltage (FLASH)	L : Normal operation, H : In writing.	
19	MUTE L	O	Lch audio MUTE control	L : MUTE ON, H : MUTE OFF	
20	MUTE R	O	Rch audio MUTE control	L : MUTE ON, H : MUTE OFF	
21	TYPE	I	DAC switching	H : DSP built-in DAC used, L : DSP built-in DAC Not used.	H : DXM-6580W (X32-574), L : DXM-6680W (X32-586)
22	TEST O 1	O	TEST MODE O 1	(Not used.)	
23	TEST O 2	O	TEST MODE O 2	(Not used.)	
24	TEST O 3	O	TEST MODE O 3	(Not used.)	
25	TEST O 4	O	TEST MODE O 4	(Not used.)	
26	NC	-	Not used.	Low-fixed	
27	WAIT	I	Wait control signal detection		
28~30	NC	-	Not used.	Low-fixed	
31	RESET	I	Reset detection	H : NORMAL, L : RESET	
32	XT1	I	Not used.		
33	XT2	-	Not used.		
34	REGC	-			
35	X2	-			
36	X1	I			
37	Vss	-	GND electric potential		
38	VDD	-	5V electric potential		
39	NC	-	NC	Output stopped in standby	3.3V driven
40	WRL	I	Multiplex WRITE signal		3.3V driven

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description	Remarks
41,42	NC	-	Not used.	Low-fixed	3.3V driven
43	RD	O	Multiplex RD signal		3.3V driven
44	ASTB	O	Multiplex ASTB signal		3.3V driven
45	NC	-	Not used.	Low-fixed	3.3V driven
46	NC	-	Not used.	Low-fixed	3.3V driven
47~54	AD0~AD7	I/O	Multiplex address/data		3.3V driven
55	BVdd	-	BUS interface power supply		
56	BVss	-	BUS interface GND		
57~61	AB8~AB12	I/O	Multiplex data/address		3.3V driven
62~65	NC	-	Not used.	Low-fixed	3.3V driven
66	CS	O	Chip select control	H : OFF, L : ON	3.3V driven
67	DSP RESET	O	DSP reset control	H : NORMAL, L : RESET	3.3V driven
68~70	NC	-	Not used.	Low-fixed	3.3V driven
71	Avdd	-			
72	Avss	-			
73	Avref	I	A/D port reference voltage input		
74	NC	-	Not used.	Low-fixed	
75	RAMSEL	I	With DRAM/No DRAM switching for different models	H : With DRAM, L : No DRAM	
76	RZM	I	0bit MUTE detection	H : ≥1.7V, L : <1.7V	
77	LZM	I	0bit MUTE detection	H : ≥1.7V, L : <1.7V	
78	AAC	I	AAC compatibility switching	H : AAC non-compatible, L : AAC compatible	AAC non-compatible mode has priority for both hardware and software.
79	ASEL	I	Audio output polarity switching	H : Reverse output, L : Non-reverse output	
80	E2P WR	I	E2PROM write switching	H : E2PROM WRITE, L : NORMAL	
81	TEST I 0	I	TEST MODE I 0	(Not used.)	
82	TEST I 1	I	TEST MODE I 1	(Not used.)	
83	TEST I 2	I	TEST MODE I 2	(Not used.)	
84	TEST I 3	I	TEST MODE I 3	(Not used.)	
85,86	NC	-	Not used.	Low-fixed	
87	MSTOP	I	Standby restart interruption	H : STOP release, L : STOP	
88	INTSV	I	Interruption from servo IC	H : Interruption	
89~92	NC	-	Not used.	Low-fixed	
93	D-MUTE	O	Driver MUTE	H : OFF, L : ON	
94	SYS SDA	I/O	System μ-com I2C data		Flash write port (SI0)
95	NC	-	Not used.	Low-fixed	Flash write port (SO0)
96	SYS SCL	I/O	System μ-com I2C clock		Flash write port (SCK0)
97~99	NC	-	Not used.	Low-fixed	
100	E2P SDA	I/O	ROM correction E2P I2C data		

TEST MODE

● How to enter the test mode

In order to enter the test mode, reset the unit while simultaneously pressing down [1] and [3] keys.
(While "----" is being displayed, power can be ON for 30 minutes.)

● How to clear the test mode

The test mode is cleared in case of any of the following events: resetting, momentary power down, Acc OFF, Power OFF and removal of the panel.

● Initial conditions of the test mode

- Source is STANDBY.
- Displays lights are all turned on.
- The volume is at –10dB (The display is 30).
- Loudness (LOUD) is OFF.
- CRSC is OFF, regardless of whether there are switching functions or not.
- SYSTEM Q is NATURAL (=FLAT).
- BEEP will sound anytime with a less than 1 second push.
- Auxiliary (AUX) is ON.
- DISPLAY TYPE is TYPE D.
- The Multi-function Key System are source dependent systems. (TUNER → Preset, CD / CD-CH → Scan, etc.)
- Display of TUNER sources will be as follows :
  European Models : Upper Display=PS/frequency, Middle Display=spectrum analyzer, Lower Display=multi-function
  Other Models : Upper Display=SNPS, Middle Display =spectrum analyzer, Lower Display=multi-function
- CD source display will be as follows :
  All Models : Upper Display=P-TIME, Middle Display= spectrum analyzer, Lower Display=multi-function

● RDS automatic measurement

Conventionally, the PS display has been visually checked on the production line. This will be replaced by a new processing. The PS data will be received and the PS contents is to be verified as "RDS_TEST". When this is verified, the P-CON terminal is forced to go OFF. (In this case, " _ " means blank.)
→ This will be a dedicated test mode processing.
On the P-CON, when power is turned off once and, then, turned on again, (Power OFF → ON) the unit will be restarted.

● Special display when set to TUNER

When in TUNER mode, if any of the following displays appear, there is an abnormality with the front end.

- "TNE2P_NG" : Front-end E2PROM values are still default (not determined).
- "TNCON_NG" : In this condition, the communication with the front-end is not possible.

● Forced switching of K3I

In TUNER FM mode, each time [6] key is pressed, the functions move in the following cycle :
AUTO → forced WIDE → forced MIDDLE → force NARROW → AUTO
The initial condition is AUTO and the displays below will appear.

- AUTO : FMA
- Forced MIDDLE : FMM
- Forced WIDE : FMW
- Forced NARROW : FMN

● CD receiver test mode specifications

- Jumps are made to the following tracks by pressing the [►►I] key.
  ∗ KDC-W8534/W8534Y
  No. 9 → No. 15 → No. 10 → No. 11 → No. 12 → No. 13 → No. 22 → No. 14 → No. 9 → No. 11 → No. 9 (Returns to the beginning)
  ∗ KDC-X790/MP732/MP8533
  No.9 → No.15 → No.10 → No.11 → No.12 → No.13 → No.22 → No.14 → No.9 (Returns to the beginning)
  It must be noted, however, that when paying MP3 / WMA / AAC disk, which contain 8 files or less, the first track and the following tracks are played in order.
- When [I◄◄] key is pressed, it goes down by 1 track.
- When a CD is used as a source, by pressing [1] key for less than 1 second, a jump to the Track No. 28 is made.
- When a CD is used as a source, by pressing [2] key for less than 1 second, a jump to the Track No. 14 is made.
- When a CD is used as a source, by pressing [3] key for less than 1 second, a display of CD mechanism model name and its version is made. When the pressing of [3] key for less than 1 second is made for the second time, the normal display is resumed. (Time code display)
- While in CD source, use [5] key to switch between DSP Through and DSP Bypass. (In models with DSP)
  The multi-function key [5] indicates Through, and **5** indicates Bypass.
- When a CD is used as a source, by pressing [6] key for less than 1 second, a jump to the Track No. 15 is made. At the same time, the volume value is set to 27 (5V PRE).

TEST MODE

● Audio adjust mode

Model with DSP (KDC-W8534/W8534Y)

- By pressing [AUD] key for less than 1 second, the Audio Adjust mode is entered.
- As with the [AUD] key, [*] key on the remote controller can be used to enter the Audio Adjust mode.
- As for the adjustment items, items for both the AUDIO FUNCTION MODE and SETUP MODE are included.
- By pressing [AUD] or [FM] key briefly, switch the item to be adjusted in the following order. (only in forward rotation)
- The initial item will be Fader and the next is Balance. (After Balance, it will be arbitrary.)
- With the remote controller, continuous forwarding is prohibited.
- Using the VOL knob and [I◄◄] / [►►I] key, the Fader is to be adjusted to the following 3 levels : R15 ↔ 0 ↔ F15 (The default value : 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Balance is to be adjusted to the following 3 levels : L15 ↔ 0 ↔ R15 (The default value : 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Volume Offset is to be adjusted to the following 2 levels : –8 ↔ 0 (The default value : 0)

Model with no DSP (KDC-X790/MP732/MP8533)

- By pressing [AUD] key for less than 1 second, the audio adjustment mode can be entered.
- Using the remote controller [*] key and [AUD] key, the audio adjustment mode can be entered.
- Adjustment items of both the AUDIO FUNCTION MODE and SETUP MODE are included.
- By pressing [AUD] or [FM] key briefly, switch the item to be adjusted in the following order. (only in forward rotation)
- The initial item will be Fader, which is followed by : Balance → Bass Level → Middle Level → Treble Level → HPF Front → HPF Rear → LPF Sub Woofer (After this, it will be arbitrary)
- With the remote controller, continuous forwarding is prohibited.
- Using the VOL knob and [I◄◄] / [►►I] key, the Fader can be adjusted in 3 steps : R15 ↔ 0 ↔ F15 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Balance can be adjusted in 3 steps : L15 ↔ 0 ↔ R15 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Bass / Middle / Treble Level can be adjusted in 3 steps : –8 ↔ 0 ↔ +8 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Sub Woofer Level can be adjusted in 3 steps : –15 ↔ 0 ↔ +15 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Volume Offset can be adjusted in 2 steps : –8 ↔ 0 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the HPF Front / Rear can be adjusted in 2 steps : Through ↔ 180Hz (or 220Hz) (The initial value is Through)
- Using the VOL knob and [I◄◄] / [►►I] key, the LPF Sub Woofer can be adjusted in 2 steps : 60Hz (or 50Hz) ↔ Through (The initial value is Through)
- Using the VOL knob and [I◄◄] / [►►I] key, the Volume Offset can be adjusted in 2 steps : –8 ↔ 0 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Loudness ON/OFF can be adjusted in 2 steps : OFF ↔ ON (The initial value is OFF)
- Using the VOL knob and [I◄◄] / [►►I] key, 2-Zone ON/OFF can be adjusted in 2 steps : OFF ↔ ON (The initial value is OFF)
- Bass f / Bass Q / Bass EXT / Middle f / Middle Q / Treble f do no appear in audio adjustments.

● MENU items

- Push the [⏎] (NEXT) key for at least 1 second to enter the MENU.
- The [DNPP/SBF] and [DIRECT] keys on the remote controller can also be used to enter the MENU.
- With the remote controller, continuous forwarding is prohibited.
- When a CD is used as a source, the default item will be the ACD F/W Version.
  (DXM-6800 mechanism equipped model : KDC-W8534/W8534Y, KDC-X790)

● 2-ZONE (Dual Zone) items

- When using sources other than the STANDBY source, using a short-press on [AUTO] or [TI] key, 2-ZONE ON/OFF is achieved.

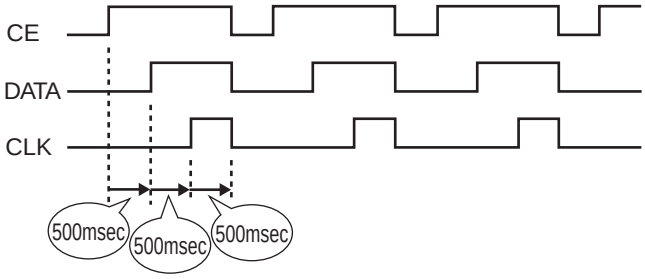
● Backup current measurement

When reset in Acc OFF (Back Up ON) condition, MUTE terminal goes off after 2 seconds, instead of 15 seconds. (During this time, the CD mechanism does not function.)

TEST MODE

● OPEL communication items

During the test mode, OPEL communication line outputs the following (At every 500msec, the output condition of the communication line will be switched.)



● G sensor display items

When source is STANDBY, by short-pressing [ATT] key, the display is switched to analogy meter display, in which vertical G and horizontal G are displayed.

● Special display when all lights are on

When all lights are on with the STANDBY source, the following displays are made when the keys shown below are pressed.

[1] key	Version display (Display) C0507WE__SYS1. 23 (Display) STYPE : x__PAN1.11 (Display) PTYPE : x__MEM3.21 ∗ STYPE indicates system μ-com destination, and PTYPE indicates panel μ-com destination, and show real-time condition of the destination terminal (“x” is displayed in hexadecimals.)
[2] key	Serial number display (8 digits) (Display) SNo_XXXXXXXX
[3] key	Key pressed briefly : Power ON time is displayed. During Power On time display, by pressing for at least 2 seconds, the Power ON time is cleared. (Display) PonTim_0Hxx_ (00~50 is displayed for “xx”. When less than 1 hour, displayed by increments of 10 minutes.) xxxxx (00001~10922 is displayed for “xxxxxx”.) MAX 10922 (times)
[4] key	Key pressed briefly : CD operation time is displayed. During CD operation time display, by pressing for at least 2 seconds, CD operation time is cleared. (Display) CDTim_0Hxx_ (00~50 is displayed for “xx”. When less than 1 hour, displayed by increments of 10 minutes.) xxxxx (00001~10922 is displayed for “xxxxxx”.) MAX 10922 (times)
[5] key	Key pressed briefly : CD EJECT number is displayed. During CD EJECT number display, by pressing for at least 2 seconds, CD EJECT number display is cleared. (Display) EjeCnt_xxxxx MAX 65535 (times)
[6] key	Key pressed briefly : PANEL Open/close number is displayed. (*1) During PANEL Open/close number display, by pressing for at least 2 seconds, PANEL Open/close numbers is cleared. (Display) PnCnt_xxxxx MAX 65535 (times)
[FM] key	ROM correction version display (Display) SYS_ROM_R123 (Display) PAN_ROM_R123 When E2PROM is not installed : ROM_ERR_ When un-written : ROM_R – – – When data is incompatible : ROM_R ∗ ∗ ∗
[▶▶I] key	AUDIO data default value setting (Display) AUDIO_INIT
[I◀◀] key	Key pressed briefly : Forced Power OFF data displayed. While the forced power OFF data is displayed, press and hold for 2 seconds to clear the data. (Display) POFF_ - - - (No Forced Power OFF) SEC (Forced Power OFF because of missing Security Code) PNL (Forced Power OFF because of system μ-com panel communication error)
[▶II] key	Key pressed briefly : CD information display mode ON/OFF While in CD information display mode, press and hold for 2 seconds to clear all CD information. ∗ Please refer to the table below.

(*1) : 1 count is made when the panel opens to full or when a disc is loaded.

TEST MODE

	Displays I2C communication status and CD mechanism error log (Display) I2C_●●_____ (Display) ERR_1-▲▲, 2-▲▲, 3-▲▲ "OK" or "NG" is displayed for "●●". / "--" or an error code is displayed for "▲▲".
	Displays CD loading error data. (Display) Load_Error____ (Display) __ (1) xx__ (2) xx (number of times is displayed for "xx") MAX 99 (times) Disk detection switch ON/OFF is monitored, and when the loading operation is not completed within the specified time length, or when E-99 mechanism error occurred, record which SW signal had an error. ∗Refer to the note at the end of [CD LOAD error detection].
[AM] key ↑	Displays CD ejection error data. (Display) Eject_Error___ (Display) __ (1) xx__ (2) xx (Display) __ (3) xx__ (4) xx (number of times is displayed for "xx") MAX 99 (times) Disk detection SW ON/OFF is monitored, and when the ejection operation is not completed within the specified time length, or when E-99 mechanism error occurred, record which SW signal had an error. ∗Refer to [CD EJECT error detection]'s note.
↓ [FM] key	Displays CD time code count error data (missing count). (Display) Count_Lose (Display) __CDDA_ : xx (Display) __CDROM : xx (number of times is displayed for "xx") MAX 99 (times) Monitor time code continuity. Record the number of times when discontinuity occurred as error data. Record the data of compressed audio and CD-DA played separately.
	Displays CD time code count error data (count not updated). (Display) Count_Stay (Display) __CDDA_ : xx (Display) __CDROM : xx (number of times is displayed for "xx") MAX 99 (times) When the time code is not renewed for 2 or more seconds, record the number of times occurred as error data (skipped sound).

● Initializing AUDIO-related value setting

During STANDBY sourcing, by pressing [▶▶I] key for less than 1 second, AUDIO setting values are returned to the default values.

● Flash ROM check (for graphic data)

1. In order to prevent the Flash ROM (4M) equipped models to be installed with the Mask ROM (2M) panel, and to prevent the Mask ROM (2M) equipped models to be installed with the Flash ROM (4M) panels, with the STANDBY sources during the test mode, the following display will be made according to the system μ-com and panel combination.
   - Flash ROM (4M) equipped model and Flash ROM (4M) panel
     All lights turned on – – – OK!
   - Mask ROM (2M) equipped model and Mask ROM (2M) panel
     All lights turned on – – – OK!
   - Flash ROM (4M) equipped model and Mask ROM (2M) panel
     "M4P2" – – – NG!
   - Mask ROM (2M) equipped model and Flash ROM (4M) panel
     "M2P4" – – – NG!

   ∗ Flash ROM (4M) : KDC-W8534/W8534Y,KDC-X790 (X16 IC1)
   Mask ROM (2M) : KDC-MP732,KDC-MP8533 (X16 IC1)
2. When entering the test mode, the manufacture code of the Flash ROM (4M) is read and when it is normal, FROMCHK of the 100th terminal (Panel μ-com) repeats Hi → Low → Hi · · ·. If the reading is abnormal, "Low" is output.
   If the manufacture code is normal, by pressing [AM] key for less than 1 second, the connection checks on all terminal is started. If the connections are normal, the FROMCHK terminal stops the Hi → Low → Hi · · · repeating and outputs "Hi". If the reading is abnormal, "Low" is output.
3. If the [AM] key is pressed for 2 seconds while all lights are on, Flash ROM (4M) data is initialized.
   While the deletion is executed, "Data_Erase...." is displayed.
   Note : Do not touch any key white this is in progress.
   When erasing is complete, "Erase_OK!!" is displayed.
   If "Erase_NG!!!!!!" is displayed, it was not possible to erase the data on the Flash ROM (4M).
   In this case, pressing [AM] key for at least 1 second again. If it is the same, then there is an abnormality with the Flash ROM.

TEST MODE

● Other

- At Power ON, “CODE_OFF”, “CODE_ON” displays will not be made.
- When sourcing STANDBY, by pressing [AUTO] or [TI] key for less than 1 second, GREEN/RED of the key illumination is switched.
  When doing this, the triangle illumination GREEN/RED is switched along with the key illumination.
- When staring up in the test mode, LINE MUTE prohibition time is set to 1 second instead of 10 seconds.
- While in the test mode, even when a DC offset error is detected, the detection information will not be written to the E2PROM.
- While in the test mode, even after an elapse of pre-set time, the backup memory items will not be written to the E2PROM.
- Information Clear mode for Test Mode, backup/installer memory, and CD mechanism error log.
  In the DC offset error detection information clear mode, DEMO mode operation will not be conducted.
  Also, in the above mode, the menu of the STANDBY source will not display DEMO ON/OFF switching items.
- While in the test mode, and at the same time, PM_DET of the 60th terminal (System μ-com) is H, the following will apply to the EJECT key, regardless of whether a disc is in the unit or not.
  Panel full OPEN/CLOSE is conducted with a push for less than 1 second. (Protection time : 3 seconds)
  As far as this item is concerned, eject will be achieved by for at least 1 second push on the EJECT key.

● Clearing backup/installer memory and CD mechanism information, and service information. Clearing E2PROM data.

Backup/installer memory X34-IC104 (E2PROM) “AUDIO_E2P”
CD mechanism information and service information: TUNER F/E (E2PROM) “CD_E2P___”

1. While pressing and holding the [⏥] (NEXT) key and the [ATT] key, reset-start to start backup/installer, memory data, and CD mechanism and service information initialization.
   (While “----” is being displayed, power can be ON for 30 minutes.)
   [CD mechanism information]
   - Displays I2C communication condition
   - Displays CD mechanism error log
   - Displays CD loading error data.
   - Displays CD ejection error data.
   - Displays CD time code error count data (missing count).
   - Displays CD time code error count data (count not updated).

   [Service Information]
   - Displays power ON time is displayed.
   - Displays CD operation time.
   - Displays number of CD EJECT times.
   - Displays number of times panel was opened/closed.
   - Displays forced Power OFF data.
2. After the initialization process is completed, the following is displayed.
   When the initialization is completed normally, the following is displayed.

   ```
   CD_E2P___:○
   AUDIO_E2P:○
   ```

   When there was an error (or errors) and the initialization is not completed normally, the following is displayed.
   When backup/installer memory initialization is NG.

   ```
   CD_E2P___:○
   AUDIO_E2P:×
   ```

   When CD mechanism information / service information initialization NG.

   ```
   CD_E2P___:×
   AUDIO_E2P:○
   ```

   When all initialization NG.

   ```
   CD_E2P___:×
   AUDIO_E2P:×
   ```

   Restore the NGs and initialize again.
3. While in this mode, even after an elapse of a pre-set time, no backup memory items will be written to the E2PROM.
4. This mode is released by resetting. (What was on the last screen will not be retained.)

● Clearing DC offset error detection information (E2PROM (F/E) data clear)

1. While simultaneously pressing down on [3] and [6] keys, reset the unit to enter the DC offset error display mode.
   (While “----” is being displayed, power can be ON for 30 minutes.)
2. During STANDBY sourcing, the current DC offset error conditions will be displayed.
   When error detected : “DC_ERR”
   When error not detected : “DC_OK”
3. While the error conditions are being displayed, press [AUTO]

TEST MODE

key for less than 1 second to clear the detection information. (E2PROM clear)

4. DC offset error display mode is released by resetting. (What was on the last screen will not be retained.)

● FM/AM channel space switching

From the Power OFF condition, while pressing [1] and [5] keys down simultaneously, press the [SRC] key and turn power ON.

● Security

• Forced Power ON mode

While "– – – –" is being displayed, by resetting while pressing [⏢] (NEXT) key and [4] key simultaneously, it is possible to turn the power ON for 30 minutes only.

• Method of clearing the programmable security code

1. While "– – – –" is being displayed, press [▶▶I] key for at least 3 seconds while pressing [AUTO] key.
   This makes "– – – –" display disappear.
2. Using the remote controller, input "KCAR".
   Press the remote control [5] key 2 times, display "K", and press the [▶▶I] key.
   Press the remote control [2] key 3 times, display "C", and press the [▶▶I] key.
   Press the remote control [2] key once, display "A", and press the [▶▶I] key.
   Press the remote control [7] key 2 times, display "R", and press the [▶▶I] key.
3. The security is released and the unit enters the STANDBY mode.
4. If a wrong code is input, the unit goes into the Code Request mode.

DC OFFSET ERROR

● Purpose

Prevent customers' vehicle speakers damages, burnouts, and smoking.

Avoid the connected speakers to be burned out, damaged, or to smoke when DC occurs between the audio power amp. + and - outputs.

● Processing after detection

1. System status
- At the detection of DC error, error data is to be saved immediately (E2PROM error log save area).
- Display the error message on the display. The system shall maintain the current condition, including the operation. Shut down audio system power supply. Set Mute to ON.
- Although switching between Power OFF and ON (ACC, BU, and Key operation) is valid, switching from Off to ON shall be error until the μ-com is reset.

∗ While power-on, even if the IC2VI DCErr output terminal logic recovered to normal level value, the error condition shall continue.

- Prohibit to save the backup/installer memory to E2PROM (nonvolatile memory).

2. Controlling μ-com terminal
- Set Mute for all channels including for pre-out.
- Turn off power IC control system power supply. (Set AMP-Standby function to valid)
- Set P-Con output to OFF (Logic by which external AMP unit is turned off).

∗ The purpose is to shut down audio output. Basically, the logic sets the audio output system signal line when in Standby source.

3. Key specification
- No specific limitation (Normal operation).

DC OFFSET ERROR

4. Display specification
- Display the “PROTECT” string and blink all characters at 1Hz.

∗ Use the indication below with the highest priority (error message), and maintain the error message even when the source is changed.

Display Example

● Cancel Condition

- Press the Reset terminal on the main body. or set Backup to OFF (Unplug and plug back in the DC connector).
  The history is maintained (E2PROM data is saved).

● Note while in test mode

- While in test mode, even if DC leak is detected, it is not written into E2PROM.
  When an error is detected, the display is enabled.

● Other

- Function for checking and clearing data in E2PROM by a given key shall be included.
  (Used at production dpt. and service center, etc.)

CD LOAD ERROR DETECTION

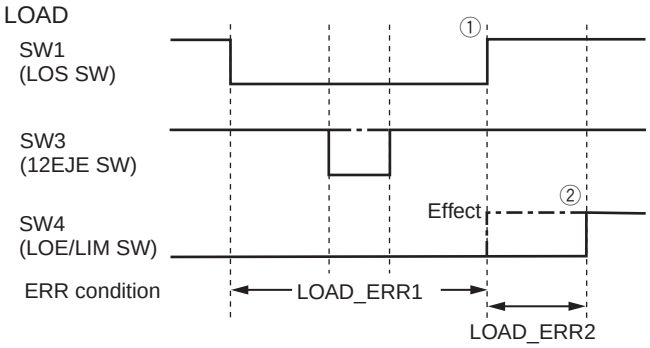
● Overview

Record the number of times when mechanism error (SW error) occurred at CD LOAD.
LOAD error recording shall be done in 2 patterns, by the SW status illustrated below.
LOAD error is established when LOAD operation is not completed after LOAD operation is started before the protect timer count is completed.
Clearing of record is done in the following situations:

1) After reset is cancelled, when reading EEPROM, the code is NG.
2) While in test mode, the specified key (Play/Pause key pressed for 2 seconds) input.
3) When in EEPROM all-clear initialization mode (refer to the test mode specification document)

- Display is shown on the test mode specification document.
- Number of times with error(s) is 99 at MAX.
- Not recorded in test mode [1+3 keys].

● Operation



∗ Trigger for starting the sequence: detecting the inserted disc with SW 1 and 3 LOW edge.
(As an exception, protect LOAD when EJECT error)

① If the protect timer was counted up before the LOS (SW1) up edge detection, it is recorded as LOAD_ERR1.
② If the protect timer was counted up after the LOS (SW1) up edge detection, before the LOE/LIM (SW4) up edge detection, it is recorded as LOAD_ERR2

∗ When DISC was inserted briefly but pulled out immediately (DISC is detected but not inserted), it is considered as an error.

Special case: Even if LOS (SW1) up edge is not detected, if LOE/LIM (SW4) up edge is detected, it is still recorded as LOAD_ERR1. Also, if SW4 up edge is detected, the motor is stopped.

CD EJECT ERROR DETECTION

● Overview

Record the number of times when mechanism error (SW error) occurred at CD EJECT.

EJECT error recording shall be done in 4 patterns, by the SW status illustrated below (3 patterns in models other than TYPE-J).

EJECT error is established when EJECT operation is not completed after EJECT operation is started before the protect timer count is completed (False EJECT, or ejection with no CD, is considered as exception and is not recorded).

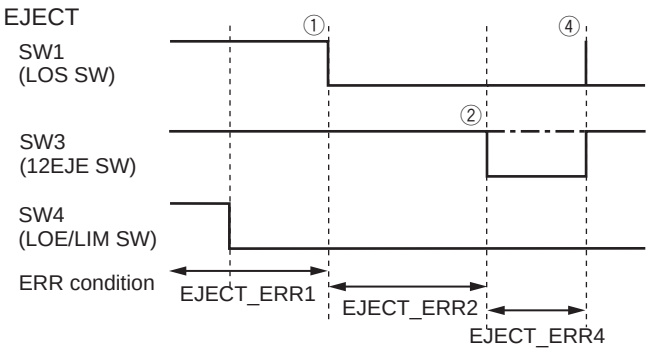
(False EJECT is determined when: while chucking is not done, and when SW status is determined as NO DISC.)

Clearing of record is done in the following situations :

1) After reset is cancelled, when reading EEPROM, the code is NG.
2) While in test mode, the specified key (Play/Pause key pressed for 2 seconds) is input.
3) When in EEPROM all-clear initialization mode (refer to the test mode specification document).

- Indication is shown on the test mode specification document.
- Number of times with error(s) is 99 times at MAX.
- Not recorded in test mode [1+3 keys].
- When EJECT was error, re-try 3 times, and count each error while re-try as 1 error.

● Operation



＊ Trigger for starting the sequence: detecting DISC ejection by EJECT key. (As an exception, protect EJECT when LOAD error)

① If the protect timer was counted up before the LOS (SW1) down edge detection, it is recorded as EJECT_ERR1.

② If the protect timer was counted up after LOS (SW1) down edge before the 8EJE (SW2) down edge detection, it is recorded as EJECT_ERR2. [12EJE down edge detection in models other than TYPE-J]

③ If the protect timer was counted up after LOS (SW1) down edge before the 12EJE (SW3) down edge detection, it is recorded as EJECT_ERR3. (TYPE-J only)

④ If the protect timer was counted up after LOS (SW1)/8EJE (SW2)/12EJE (SW3) down edge before the down edge detection of any of these, it is recorded as EJECT_ERR4.

＊ When EJECT is started, if not chucking, it is not counted as EJECT error (considered as false EJECT). However, EJECT when SW change is detected.

INSTALLER MEMORY SPECIFICATIONS

At specialists (or specialty stores), when the installer sends the vehicle back to the user, they may make the store-recommended audio configuration.
When the user changes the setting values, when the backup power supply was taken out at times of battery change or when the reset button was pressed, to make it possible to recall the setting values, the store-recommended configuration values can be saved into E2PROM.
The specification detail defer in “with-DSP model” and in “without-DSP model”.

[Models without DSP]

- Calling and saving the configuration is done by the MENU.
- Items to be saved are Bass, Middle, Treble, X’ over, and Sub Woofer Level (Refer to the separate document for more detail). Only one setting can be saved for each item (Bass/Middle/Treble settings can be changed for each source, but only one setting can be saved as the installer memory specification, and the source in which the saving operation was carried out is saved as such).
- The contents read out by the call key shall be reflected only to the current source at the time → EQ curve is “USER” (Bass/Middle/Treble settings can be changed for each source, but not reflected to Bass/Middle/Treble settings of sources other than where the calling operation was carried out).
- When the backup power supply was taken out at times of battery change or when the reset button was pressed, as the initial setting values of Bass, Middle, Treble, X' over, and Sub Woofer Level, the saved memory is reflected.
  (Bass/Middle/Treble setting initial setting value memory is reflected in all sources.)
  [**NOTE**] By such, EQ curve initial setting shall always be “USER” (NOT “NATURAL” or “FLAT”).

BACKUP MEMORY SPECIFICATIONS

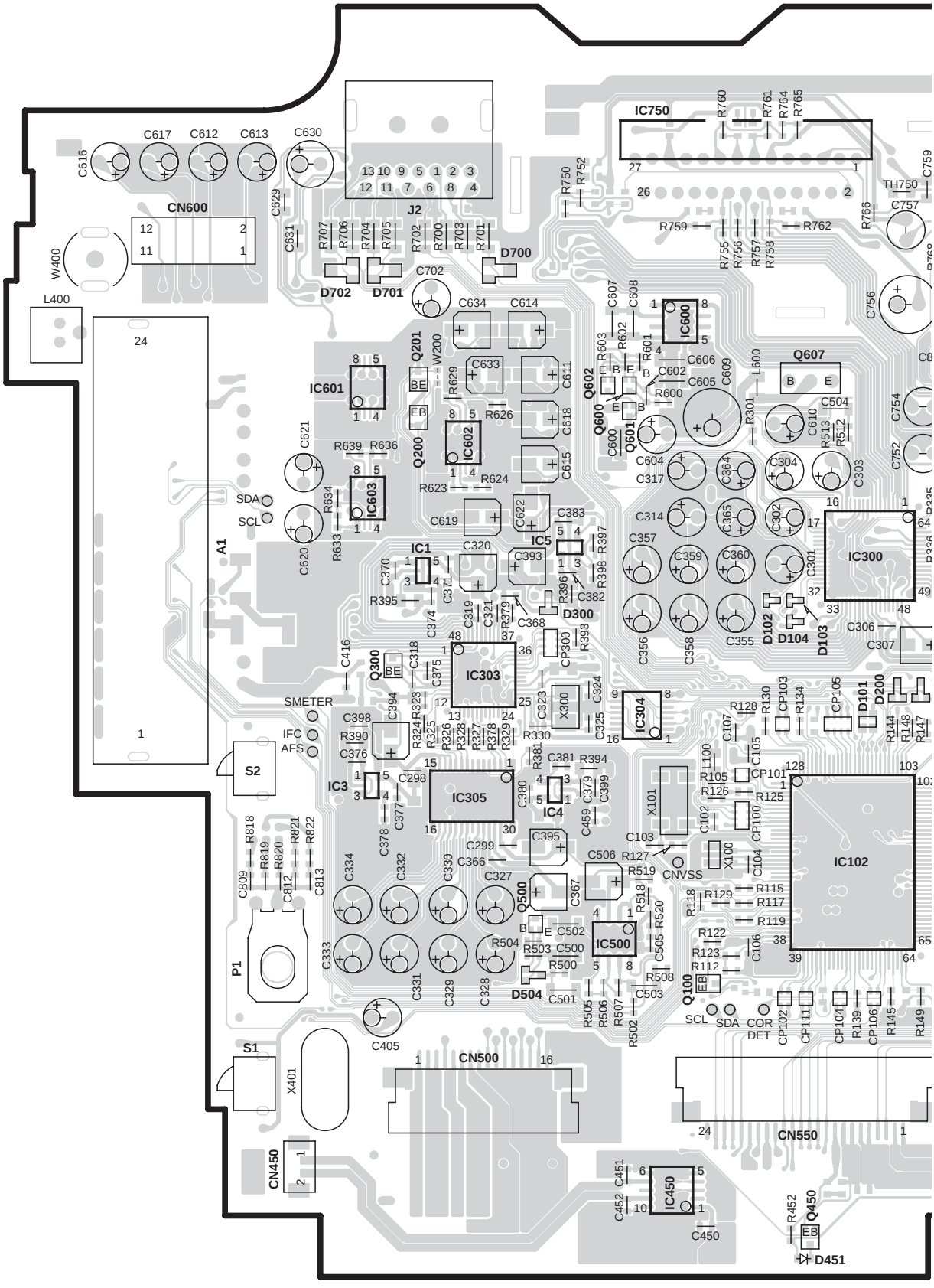
Settings by the user other than the installer memory items are saved into the E2PROM, and when the backup power supply was taken out at times of battery change or when the reset button was pressed, it is made possible to recall the setting values saved.

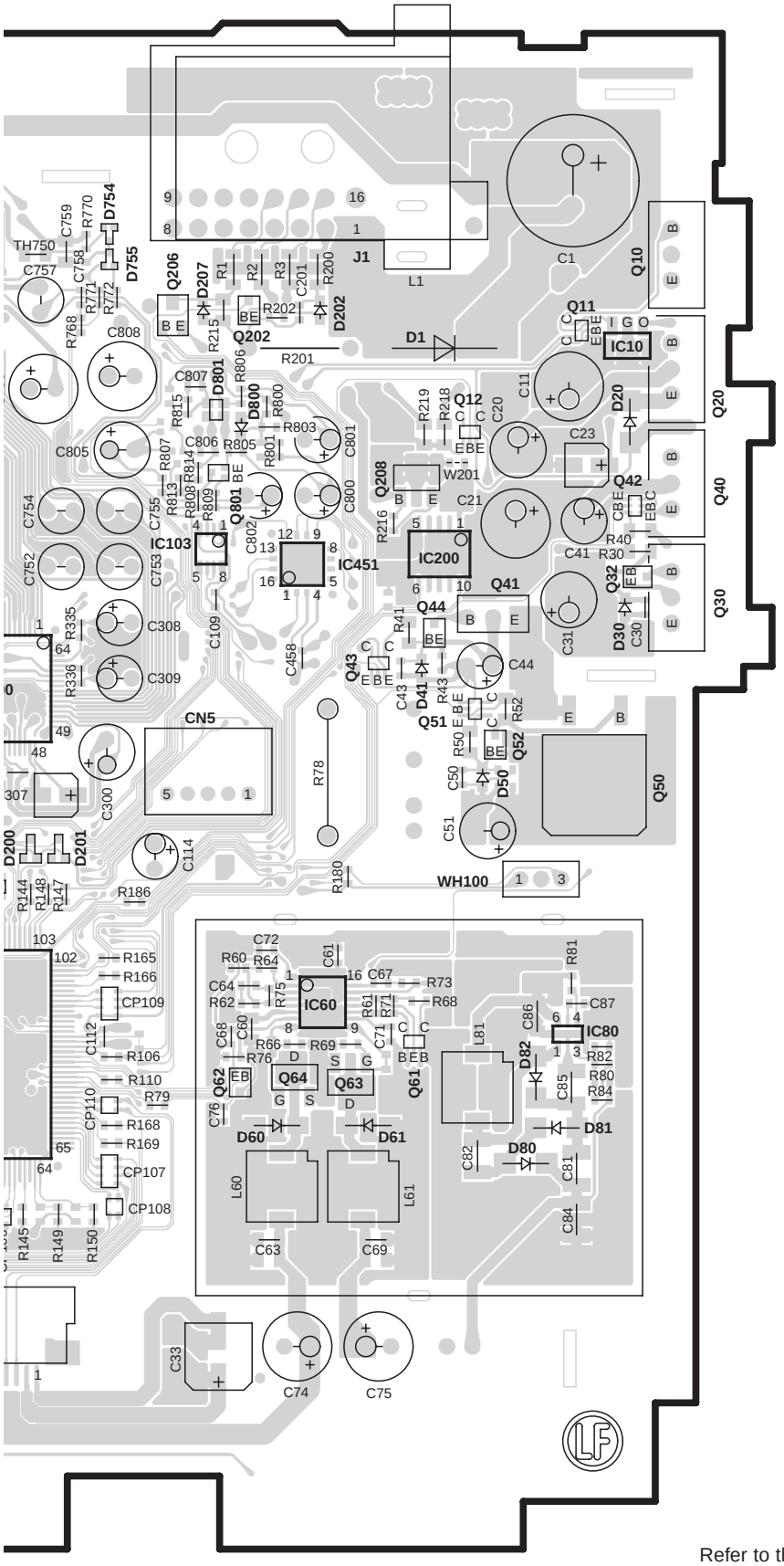
- While Power ON, the memory is saved and accumulated at a certain interval (temporary).
- Items to be saved into the memory are: Volume Offset (for all sources) and preset frequencies (FM/AM all bands x 6 channels).
- When the backup power supply was taken out at times of battery change or when the reset button was pressed, as the initial setting values of Volume Offset (for all sources) and preset frequencies (FM/AM all bands x 6 channels), the saved memory is reflected.
- In models which includes span-switching, when span is switched, TUNER-preset frequencies are set back to the default values.

KDC-MP732

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT
X34-3730-11 (J76-0053-22)





X34-3730-11

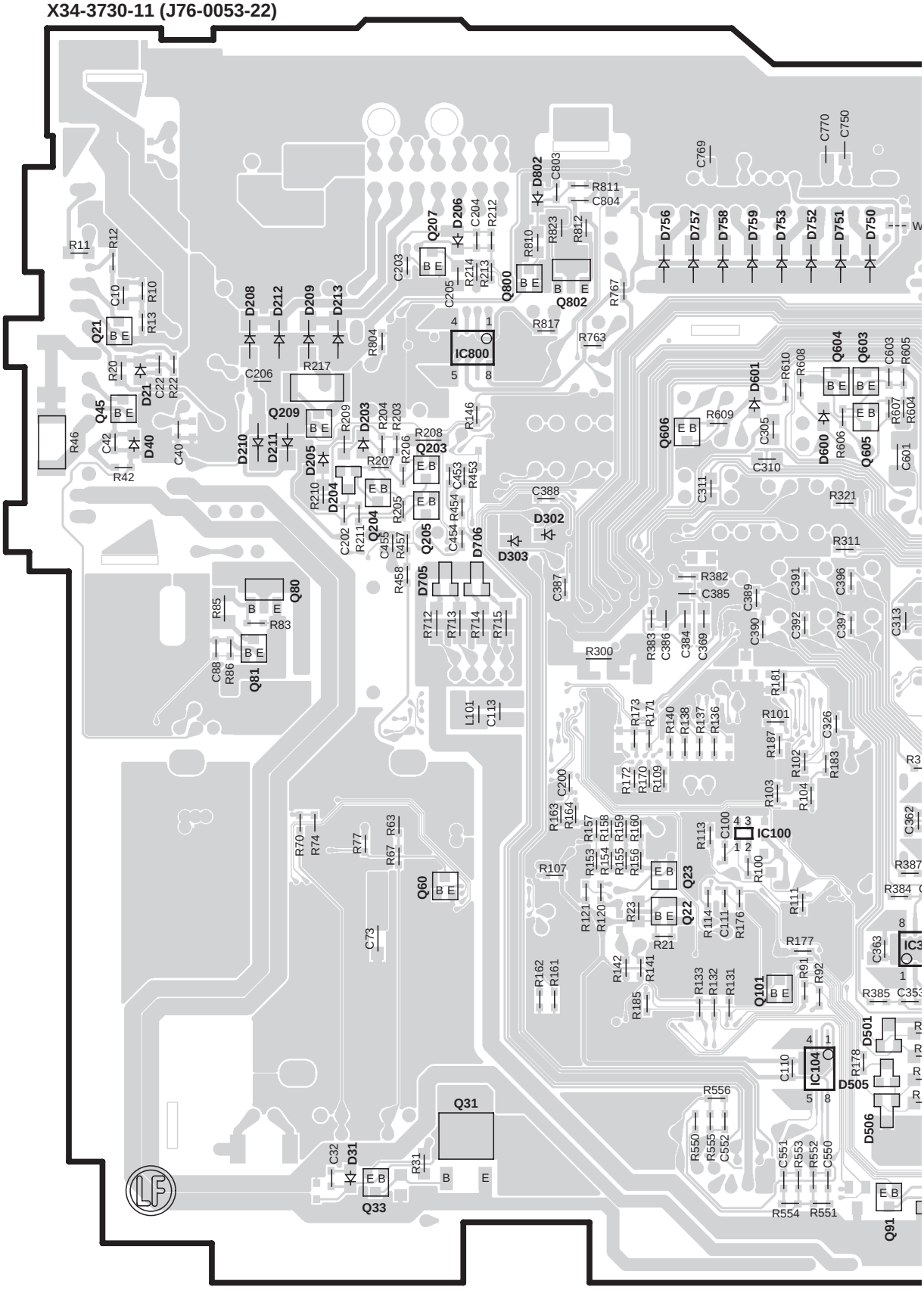
Ref. No.	Address	Ref. No.	Address
IC10	3H	Q42	3H
IC60	5G	Q43	4G
IC80	5H	Q44	4G
IC102	5E	Q50	4H
IC103	3F	Q51	4H
IC200	3G	Q52	4G
IC300	4E	Q61	5G
IC450	7D	Q62	5F
IC451	3G	Q63	5G
IC600	3D	Q64	5G
IC601	3C	Q100	6D
IC602	3C	Q200	3C
IC603	4C	Q201	3C
IC750	2D	Q202	3F
Q10	2H	Q208	3G
Q11	2H	Q450	7E
Q12	3G	Q600	3D
Q20	3H	Q601	3D
Q30	4H	Q602	3D
Q32	3H	Q607	3E
Q40	3H	Q801	3F
Q41	3G		

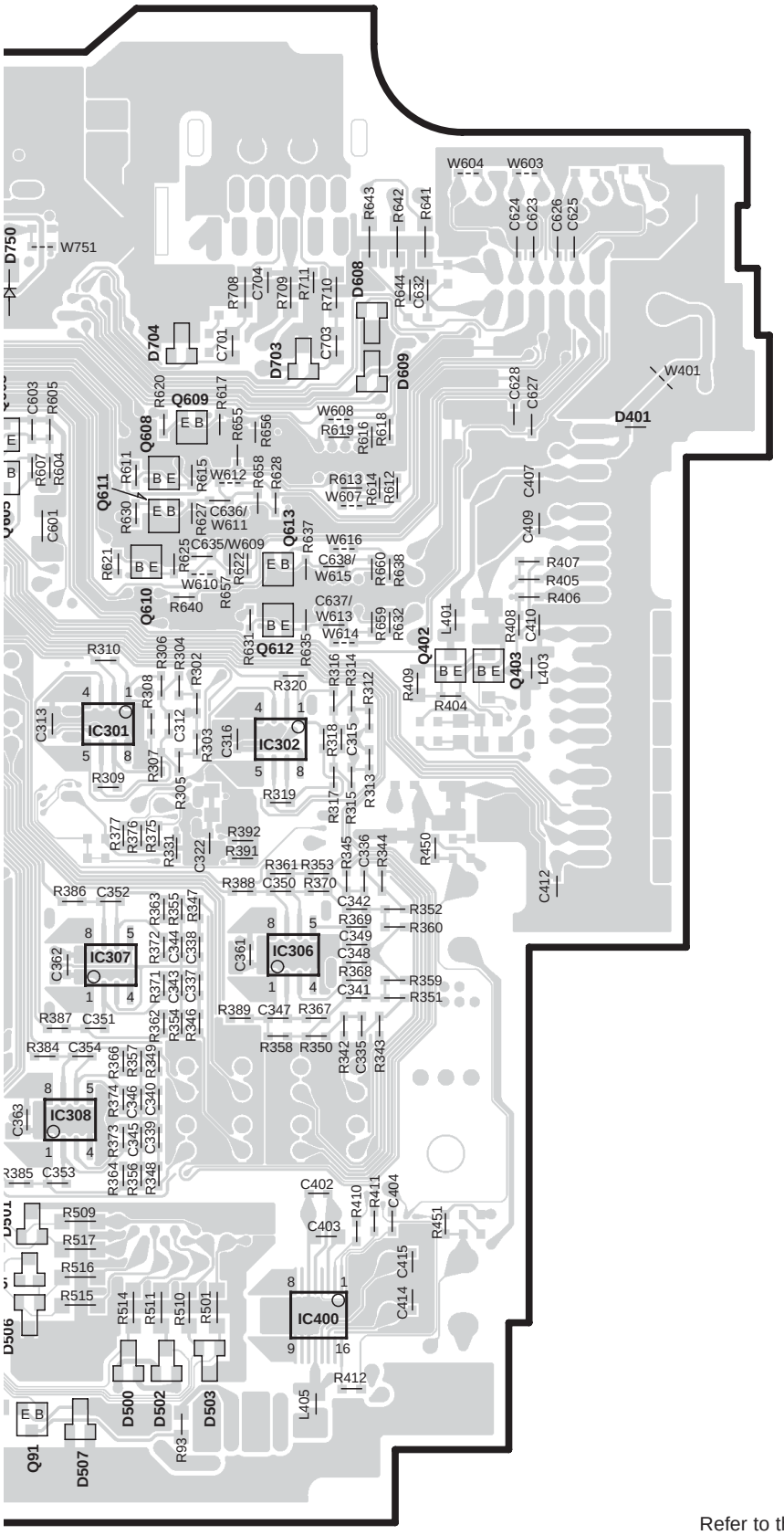
Refer to the schematic diagram for the values of resistors and capacitors.

KDC-MP732

PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT
X34-3730-11 (J76-0053-22)





X34-3730-11

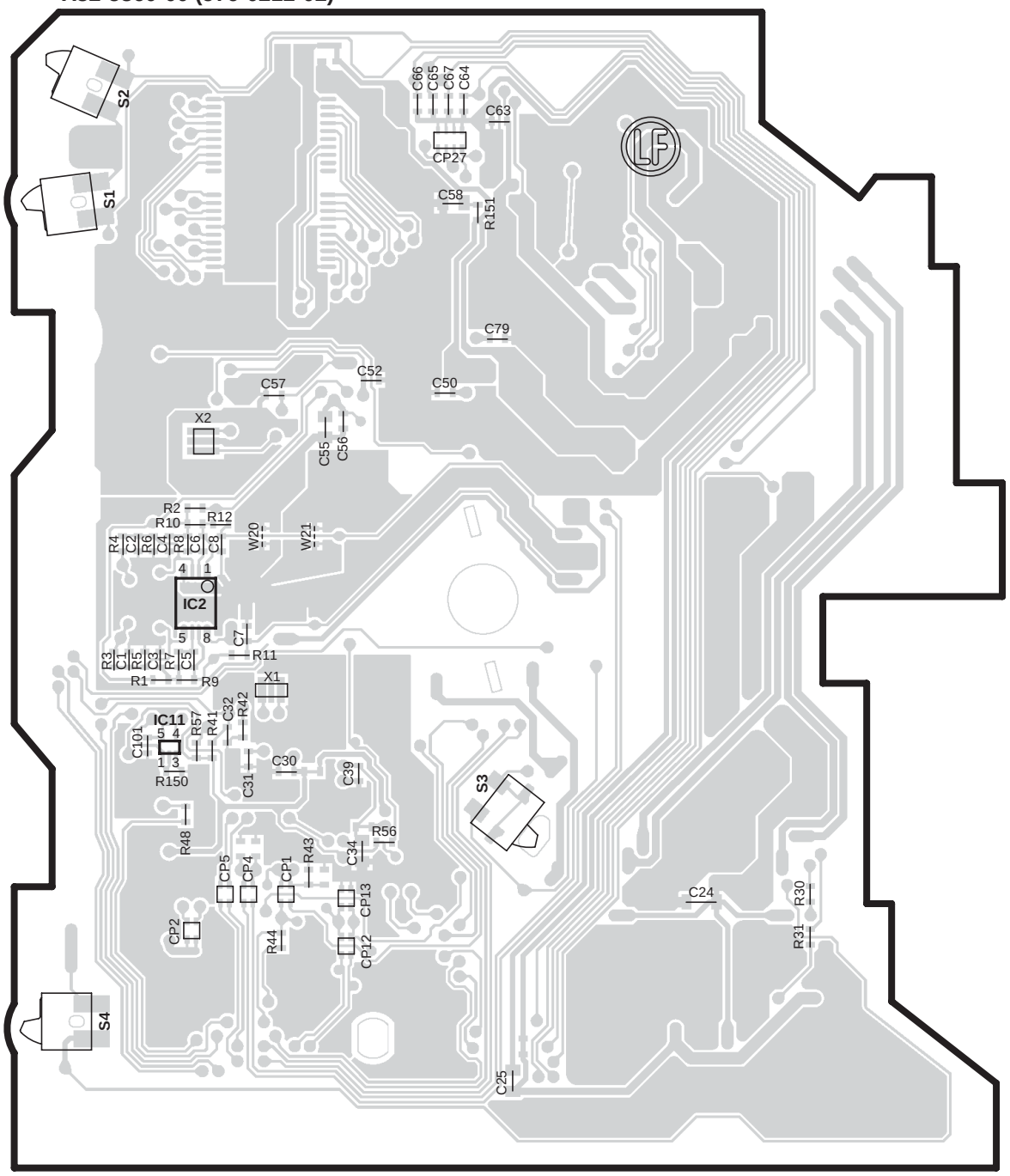
Ref. No.	Address
IC100	5O
IC104	6O
IC800	3M
Q21	3L
Q22	5N
Q23	5N
Q31	6M
Q33	7M
Q45	3L
Q60	5M
Q80	4M
Q81	4L
Q91	7O
Q101	6O
Q204	4M
Q205	4M
Q207	2M
Q209	3M
Q402	4Q
Q403	4Q
Q603	3O
Q604	3O
Q605	3O
Q606	3N
Q608	3P
Q609	3P
Q610	4P
Q611	3P
Q612	4P
Q613	3Q
Q800	3N
Q802	3N

Refer to the schematic diagram for the values of resistors and capacitors.

KDC-MP732

PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT
X32-5860-00 (J76-0212-02)



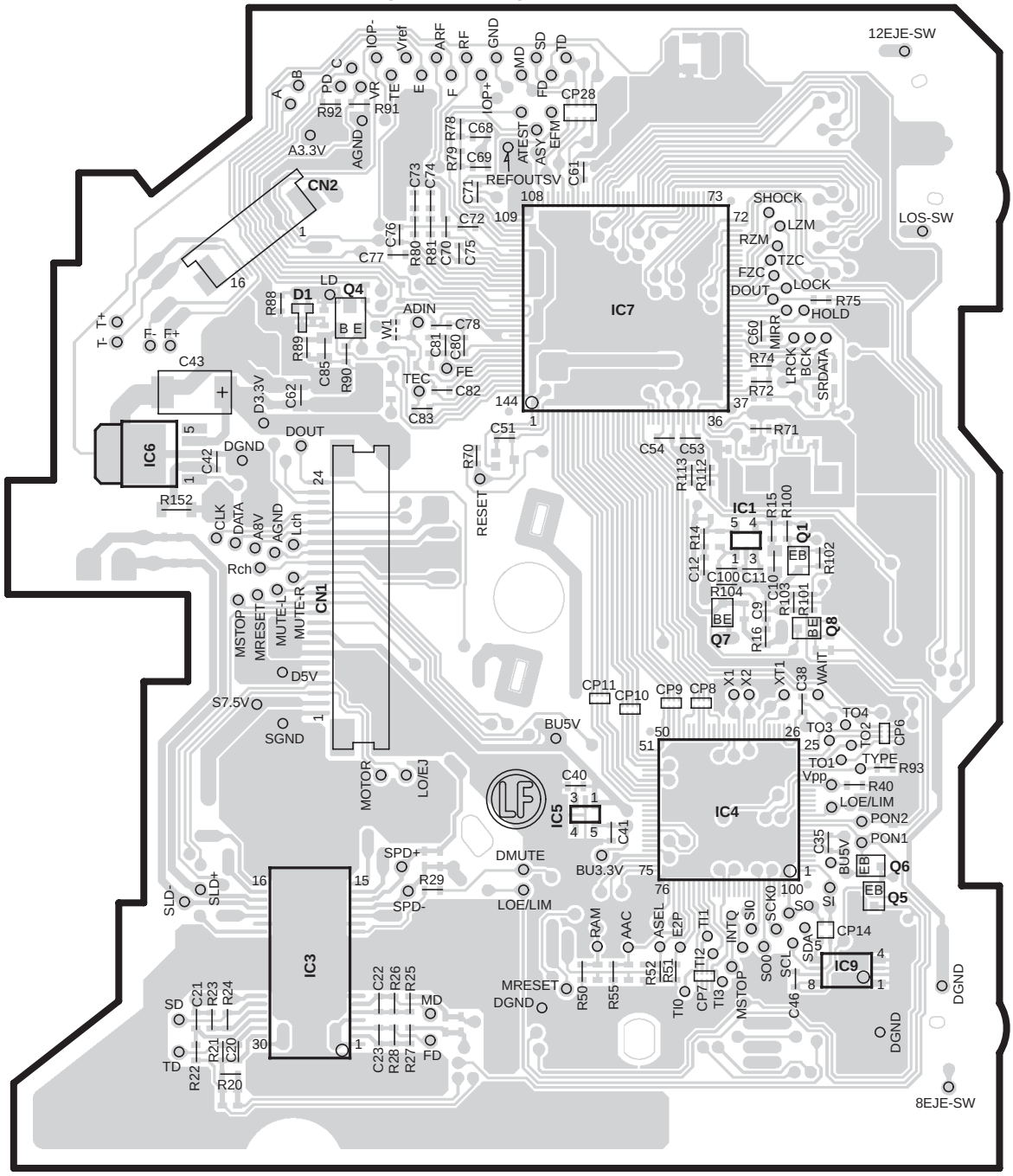
X32-5860-00

Ref. No.	Address
IC2	4V
IC11	4V

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

CD PLAYER UNIT
X32-5860-00 (J76-0212-02)



X32-5860-00

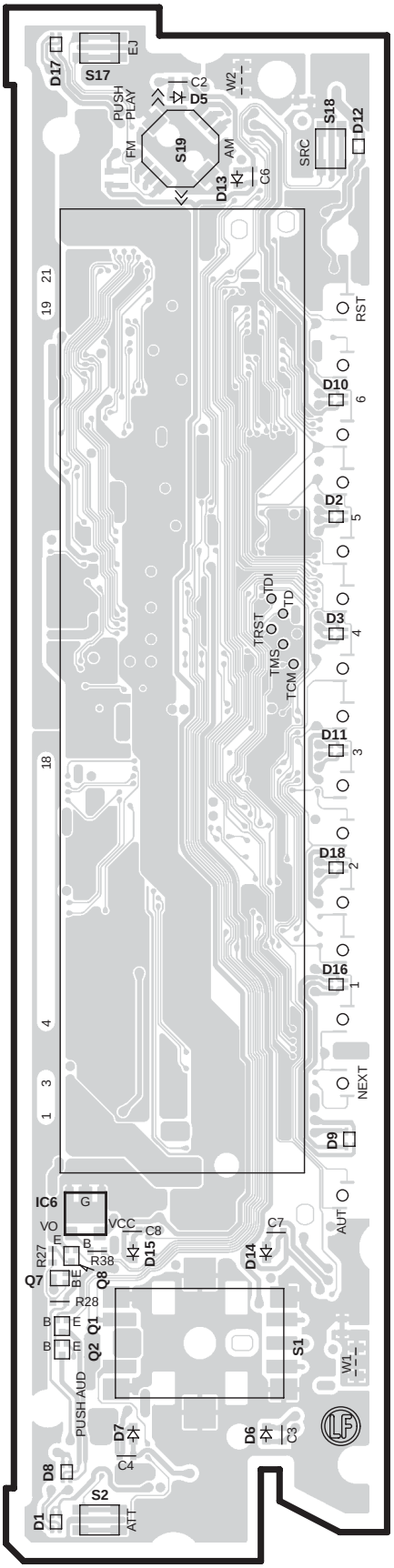
Ref. No.	Address	Ref. No.	Address
IC1	3AC	Q1	4AC
IC3	5AA	Q4	3AA
IC4	5AC	Q5	5AC
IC5	5AB	Q6	5AC
IC6	3Z	Q7	4AC
IC7	3AB	Q8	4AC
IC9	5AC		

Refer to the schematic diagram for the values of resistors and capacitors.

KDC-MP732

PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT
X16-3540-10 (J76-0054-22)

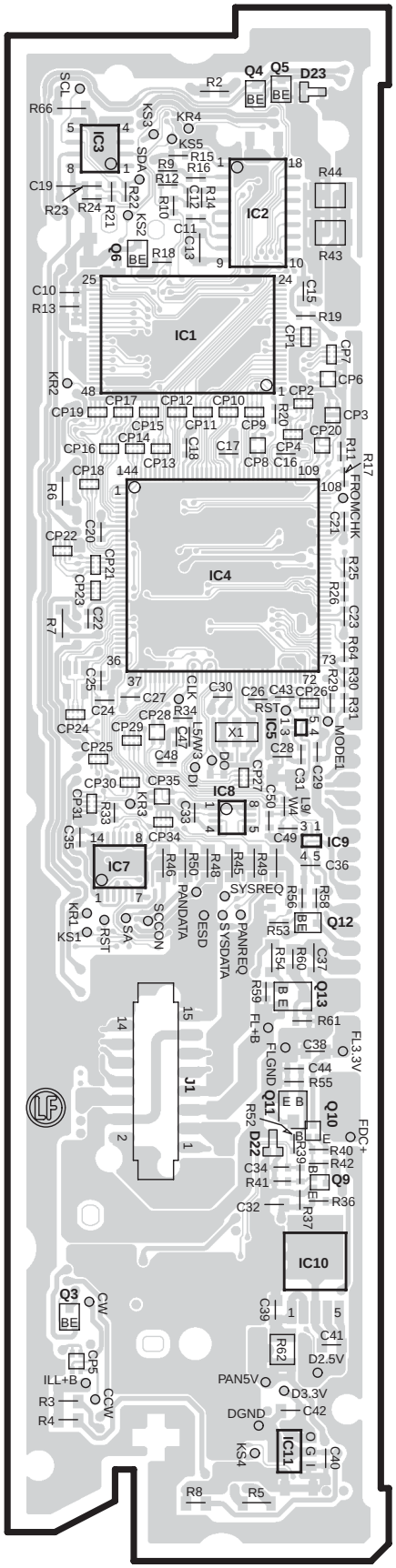


X16-3540-10

Ref. No.	Address
IC6	6AE
Q1	6AE
Q2	6AE
Q7	6AE
Q8	6AE

(FOIL SIDE VIEW)

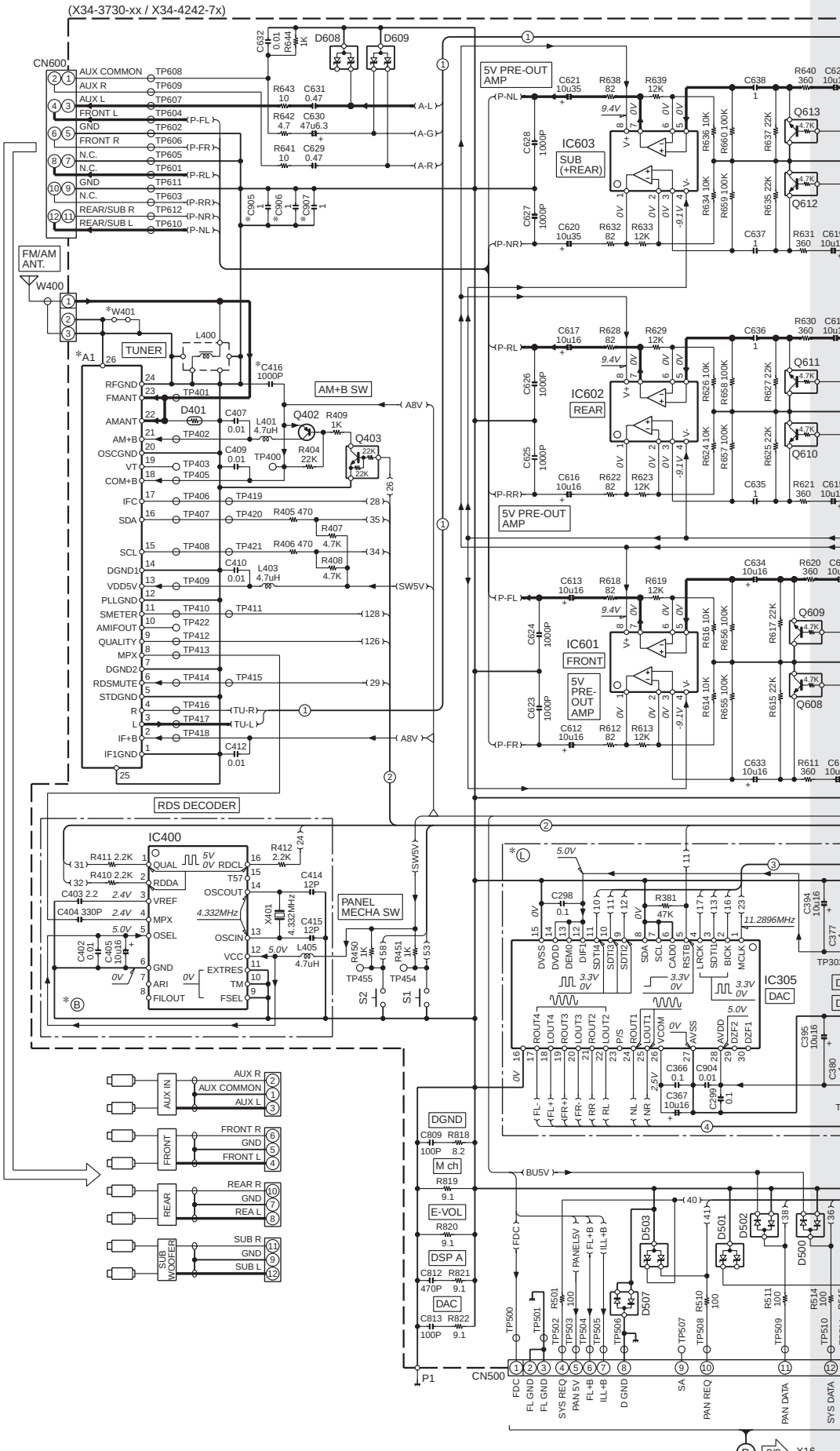
SWITCH UNIT
X16-3540-10 (J76-0054-22)



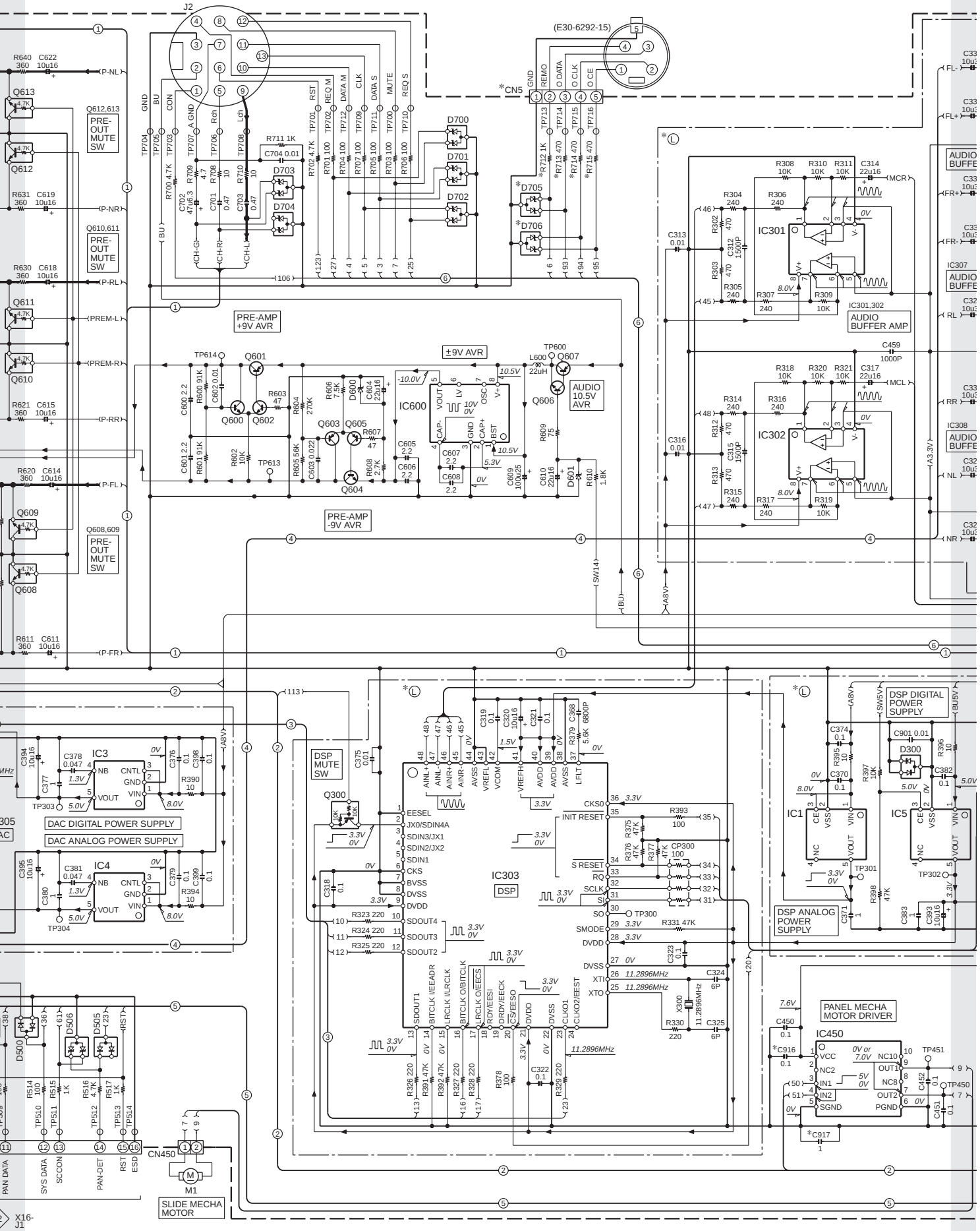
X16-3540-10

Ref. No.	Address
IC1	3AH
IC4	4AH
IC5	4AH
IC7	5AH
IC8	4AH
IC9	4AI
IC10	6AH
IC11	7AH
Q3	6AH
Q4	2AH
Q5	2AH
Q6	2AH
Q9	6AI
Q10	5AI
Q11	5AH
Q12	5AI
Q13	5AI

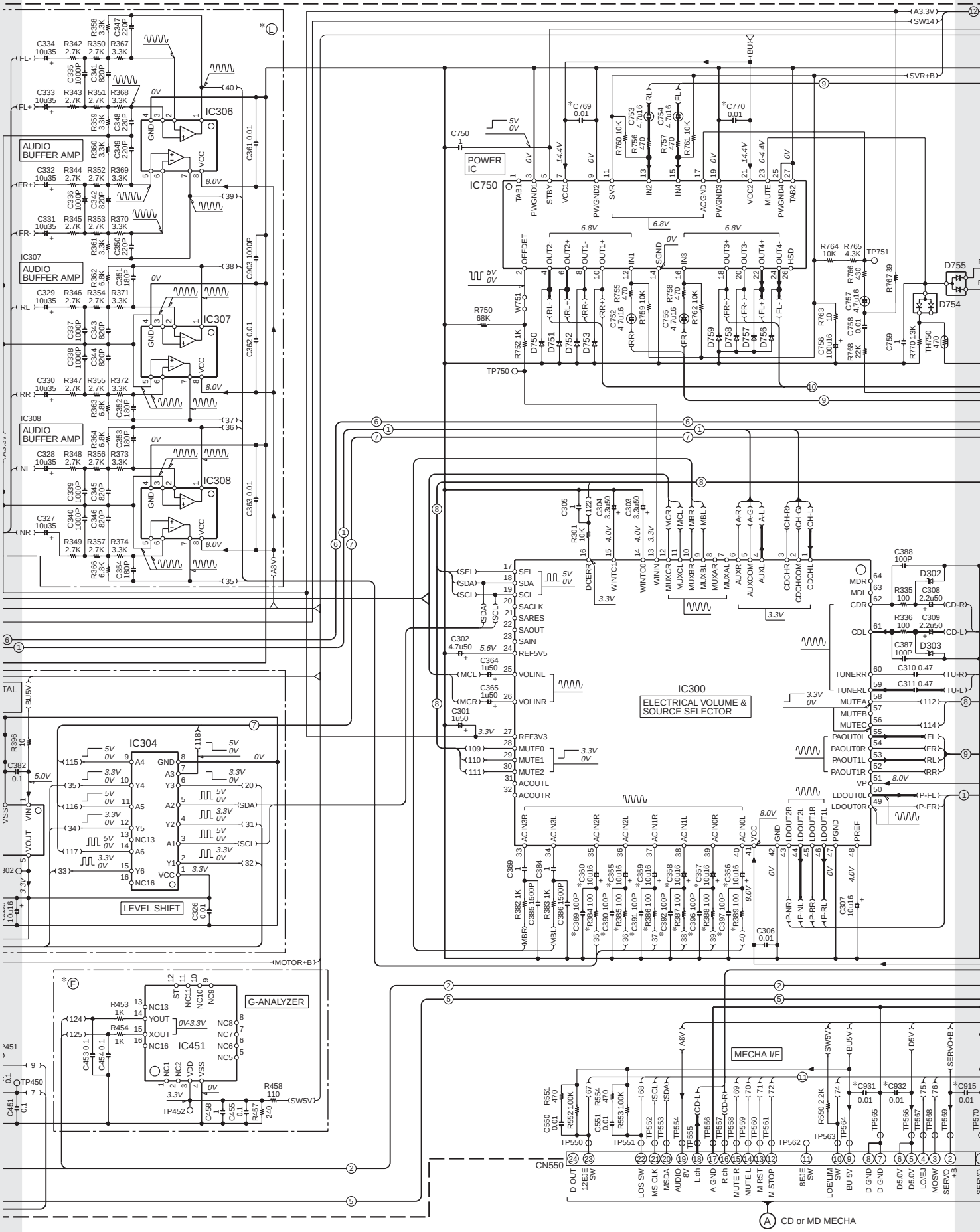
Refer to the schematic diagram for the values of resistors and capacitors.


(X34-3730-xx / X34-4242-7x)
CN600
AUX COMMON
AUX R
AUX L
FRONT L
GND
FRONT R
N.C.
N.C.
GND
N.C.
REAR/SUB R
REAR/SUB L
FM/AM ANT.
W400
TUNER
IC603
SUB (+REAR)
IC602
REAR
IC601
FRONT
5V PRE-OUT AMP
AM+B SW
RDS DECODER
IC400
PANEL MECHA SW
IC305
DAC
M ch
E-VOL
DSP A
AUX IN
FRONT
REAR
SUB WOOFER
CN500
P1
X16-J1

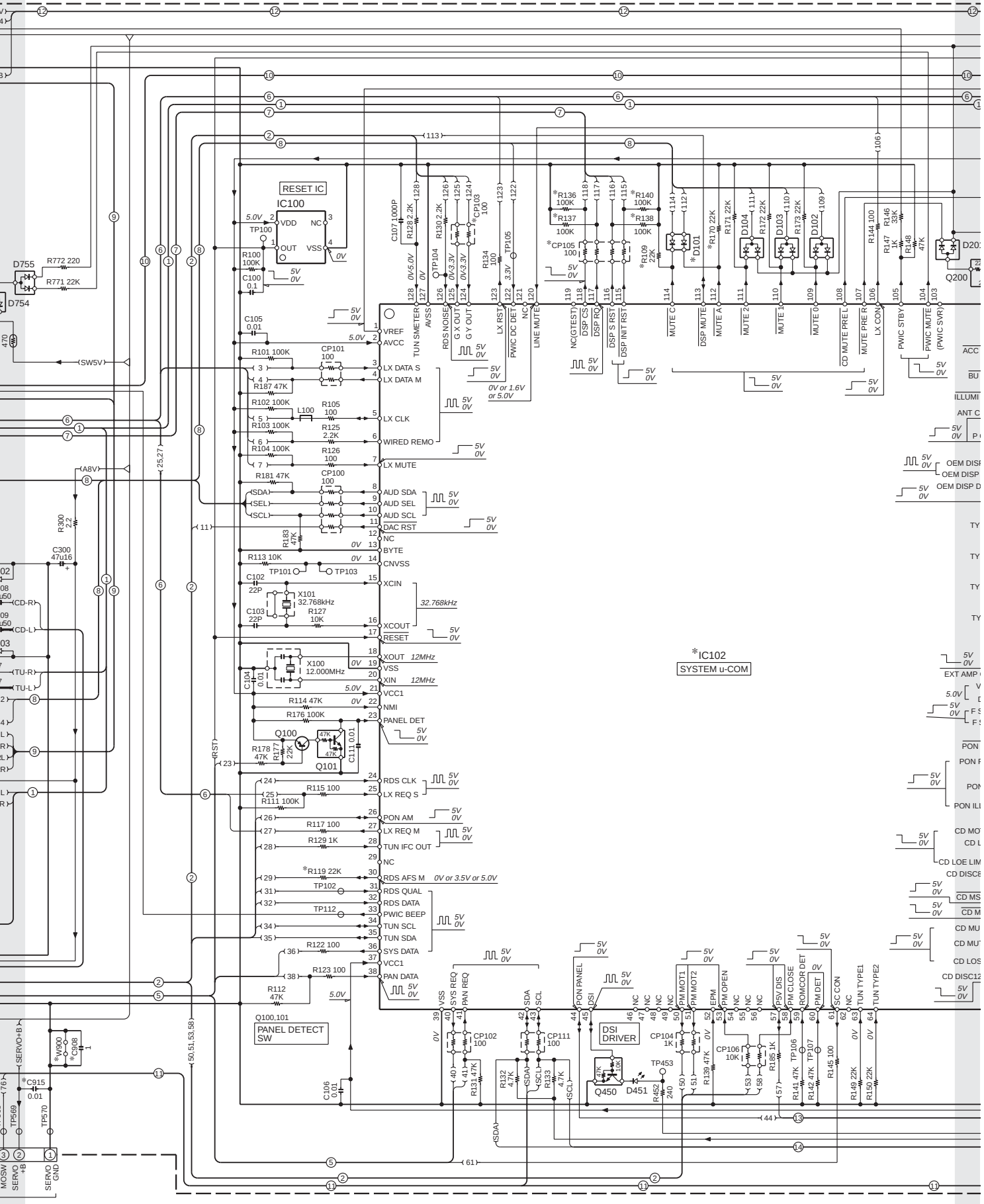
KDC-MP732


J2
(E30-6292-15)
*CN5
PRE-OUT MUTE SW
PRE-AMP +9V AVR
±9V AVR
PRE-AMP -9V AVR
IC600
IC301
IC302
IC301,302 AUDIO BUFFER AMP
AUDIO 10.5V AVR
DAC DIGITAL POWER SUPPLY
DAC ANALOG POWER SUPPLY
DSP MUTE SW
IC303 DSP
DSP DIGITAL POWER SUPPLY
DSP ANALOG POWER SUPPLY
PANEL MECHA MOTOR DRIVER
IC450
SLIDE MECHA MOTOR
CN450
SYS DATA
SCCON
PAN-DET
RST
ESD
PAN DATA

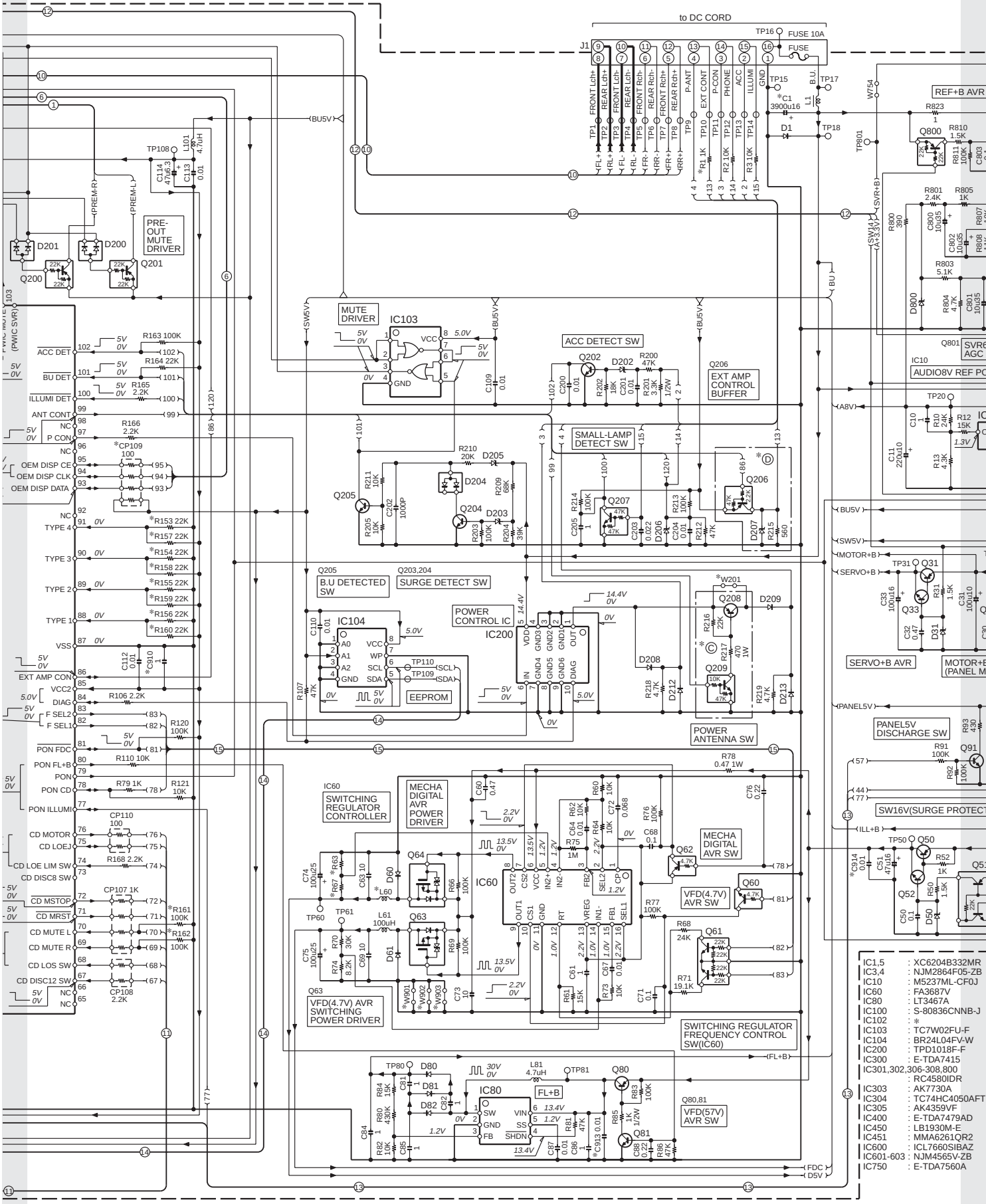
KDC-MP732


IC306
IC307
IC308
AUDIO BUFFER AMP
IC750
POWER IC
IC300
ELECTRICAL VOLUME & SOURCE SELECTOR
IC304
LEVEL SHIFT
IC451
G-ANALYZER
MECHA I/F
CN550
CD or MD MECHA

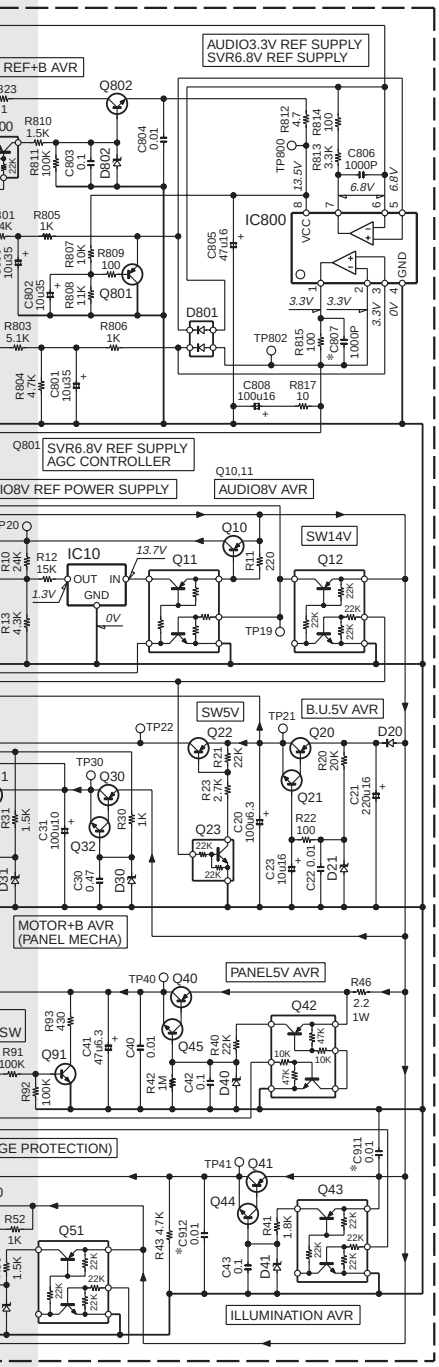
KDC-MP732


RESET IC
IC100
*IC102
SYSTEM u-COM
PANEL DETECT SW
Q100,101
DSI DRIVER
RESET
VDD
NC
OUT
VSS
VREF
AVCC
LX DATA S
LX DATA M
LX CLK
WIRED REMO
LX MUTE
AUD SDA
AUD SEL
AUD SCL
DAC RST
BYTE
CNVSS
XCIN
XCOUT
XOUT
VSS
XIN
VCC1
NMI
PANEL DET
RDS CLK
LX REQ S
PON AM
LX REQ M
TUN IFC OUT
RDS AFS M
RDS QUAL
RDS DATA
PWIC BEEP
TUN SCL
TUN SDA
SYS DATA
PAN DATA
SYS REQ
PAN REQ
PON PANEL
DSI
PM MOT1
PM MOT2
EPM
PM OPEN
PSV DIS
PM CLOSE
ROMCOR DET
PM DET
SC CON
TUN TYPE1
TUN TYPE2
TUN SMETER
RDS NOISE
G X OUT
G Y OUT
LX RST
PWIC DC DET
LINE MUTE
NC(GTEST)
DSP CS
DSP RQ
DSP S RST
DSP INIT RST
MUTE C
DSP MUTE
MUTE A
MUTE 2
MUTE 1
MUTE 0
CD MUTE PRE L
MUTE PRE R
LX CON
PWIC STBY
PWIC MUTE
(PWIC SVR)
D755
D754
Q200
D101
D104
D103
D102
D201
SERVO+B
SERVO +B
SERVO GND
MOSW

KDC-MP732


to DC CORD
FUSE 10A
FUSE
PRE-OUT MUTE DRIVER
MUTE DRIVER
IC103
ACC DETECT SW
EXT AMP CONTROL BUFFER
SMALL-LAMP DETECT SW
B.U DETECTED SW
SURGE DETECT SW
POWER CONTROL IC
IC200
IC104
EEPROM
POWER ANTENNA SW
SWITCHING REGULATOR CONTROLLER
MECHA DIGITAL AVR POWER DRIVER
MECHA DIGITAL AVR SW
VFD(4.7V) AVR SW
VFD(4.7V) AVR SWITCHING POWER DRIVER
SWITCHING REGULATOR FREQUENCY CONTROL SW(IC60)
IC80
VFD(57V) AVR SW
REF+B AVR
AUDIO8V REF PO
SERVO+B AVR
PANEL5V DISCHARGE SW
SW16V(SURGE PROTECT
IC1,5 : XC6204B332MR
IC3,4 : NJM2864F05-ZB
IC10 : M5237ML-CF0J
IC60 : FA3687V
IC80 : LT3467A
IC100 : S-80836CNNB-J
IC102 : *
IC103 : TC7W02FU-F
IC104 : BR24L04FV-W
IC200 : TPD1018F-F
IC300 : E-TDA7415
IC301,302,306-308,800 : RC4580IDR
IC303 : AK7730A
IC304 : TC74HC4050AFT
IC305 : AK4359VF
IC400 : E-TDA7479AD
IC450 : LB1930M-E
IC451 : MMA6261QR2
IC600 : ICL7660SIBAZ
IC601-603 : NJM4565V-ZB
IC750 : E-TDA7560A

KDC-MP732



MODEL NAME	DESTI-NATION	UNIT No.	Ⓐ	Ⓒ	Ⓓ	Ⓕ	Ⓛ	A1	C1	C355-363,389-392, 396,397,416,769,770, 905-908,910-917,931,932	C807	CN5	CP103	CP105	CP109	D101, 706	D705	IC102	L60	R1	R63	R67	R109,136-138, 140,157,170, 394-399	R153	R119, R154	R155	R156	R158	R159	R160	R161, 162	R712-715	W201,401, 900-903
KDC-MP732	K	X34-3730-11	—	YES	—	YES	—	X86-3840-11	C90-6744-05	—	YES	—	YES	—	YES	—	—	30625MGPA78GP	100uH	YES	9.1K	33K	—	YES	—	—	—	—	—	—	YES	YES
KDC-X790	K	X34-3730-12	YES	YES	YES	YES	—	X86-3840-11	C90-6784-05	—	YES	YES	YES	—	YES	—	—	30625MGPA78GP	68uH	YES	10K	27K	—	YES	—	—	—	—	—	—	YES	YES
KDC-MP8533	M	X34-3730-21	—	YES	YES	YES	—	X86-3840-11	C90-6744-05	—	YES	—	—	—	—	—	—	30625MGPA78GP	100uH	YES	9.1K	33K	—	YES	—	—	—	—	—	—	—	—
KDC-W6534	E1	X34-4242-70	YES	—	YES	—	YES	X86-3842-70	C90-6744-05	YES	—	YES	—	YES	YES	YES	YES	30625MWPA79GP	68uH	YES	10K	27K	—	YES	—	—	—	—	—	—	YES	YES
KDC-W6534Y	E2	X34-4242-71	YES	—	YES	—	YES	X86-3842-70	C90-6744-05	YES	—	YES	—	YES	YES	YES	YES	30625MWPA79GP	68uH	YES	10K	27K	—	YES	—	—	—	—	—	—	YES	YES

204B332MR
2864F05-ZB
37ML-CF0J
687V
67A
836CNNB-J
W02FU-F
4L04FV-W
1018F-F
0A7415
08,800
580IDR
730A
4HC4050AFT
359VF
0A7479AD
930M-E
A6261QR2
660SIBAZ
4565V-ZB
0A7560A

Q10,20,30,40 : 2SB1565
Q11,12,43,51 : UMC2N
Q21,45,91 : 2SD2351(W)
Q22 : 2SA1577
Q23,403 : DTC124EUA
Q31 : 2SB1184
Q32,33,44,52,81,202,204, 205,604,606 : 2SC4081
Q41,607 : 2SB1443
Q42 : UMD12N
Q50 : 2SB1449(R)-E
Q60,608-613 : DTC143TUA
Q61 : UMG2N
Q62 : DTA143TUA
Q63,64 : 2SJ484-E
Q80 : 2SB1188(R)
Q100,603,605 : 2SA1576A
Q101,207 : DTC144EUA
Q200,201,800 : DTA124EUA
Q206 : DTA123JK
Q208 : 2SB1188(Q,R)
Q209,450 : DTC114YUA
Q300 : DTA114EUA
Q402 : 2SB1689
Q600,602 : 2SC4617
Q601,801 : 2SA1774
Q802 : 2SC2873-F

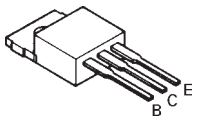
D1 : S2V60*A
D20 : RB160L-40
D21,40,302,303,600 : UDZS5.6B
D30 : HZU9.1(B1)-E
D31 : UDZS8.2B
D41 : 02DZ11F-Y
D50 : HZU16(B1)-E
D60,61 : SFPB-54VNF
D80-82 : RB060L-40
D101,801 : DA227
D102-104,754,755 : DAP222
D200,201,204,505 : DAP202U
D202 : 02DZ6.2F-Y
D203,205,800 : UDZS6.8B
D206 : UDZS4.7B
D207 : 02DZ5.6F-Y
D208,209,212,213,750-753, 756-759 : 1SR154-400

D300 : DA204U
D401 : IMSA-6801-E
D451 : B30-1567-05
D500,502,507 : DA204K
D501,503,506, 700-702,705,706 : STZ6.2N
D601 : UDZS11B
D608,609,703,704 : STZ6.8N
D802 : UDZS16B

SIGNAL LINE
GND LINE
+B LINE
−B LINE

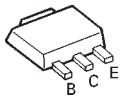
KDC- MP732 (1/2)

2SB1565

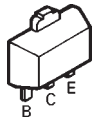


DTC114YUA
DTC143TUA
DTC143ZE
2SA1576A
2SC2713-F
2SC4617

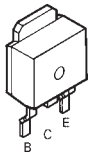
2SB1188



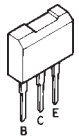
2SC2873-F



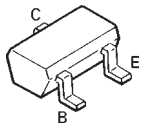
2SB1184



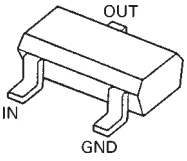
2SB1443



2SA1774
2SC4081

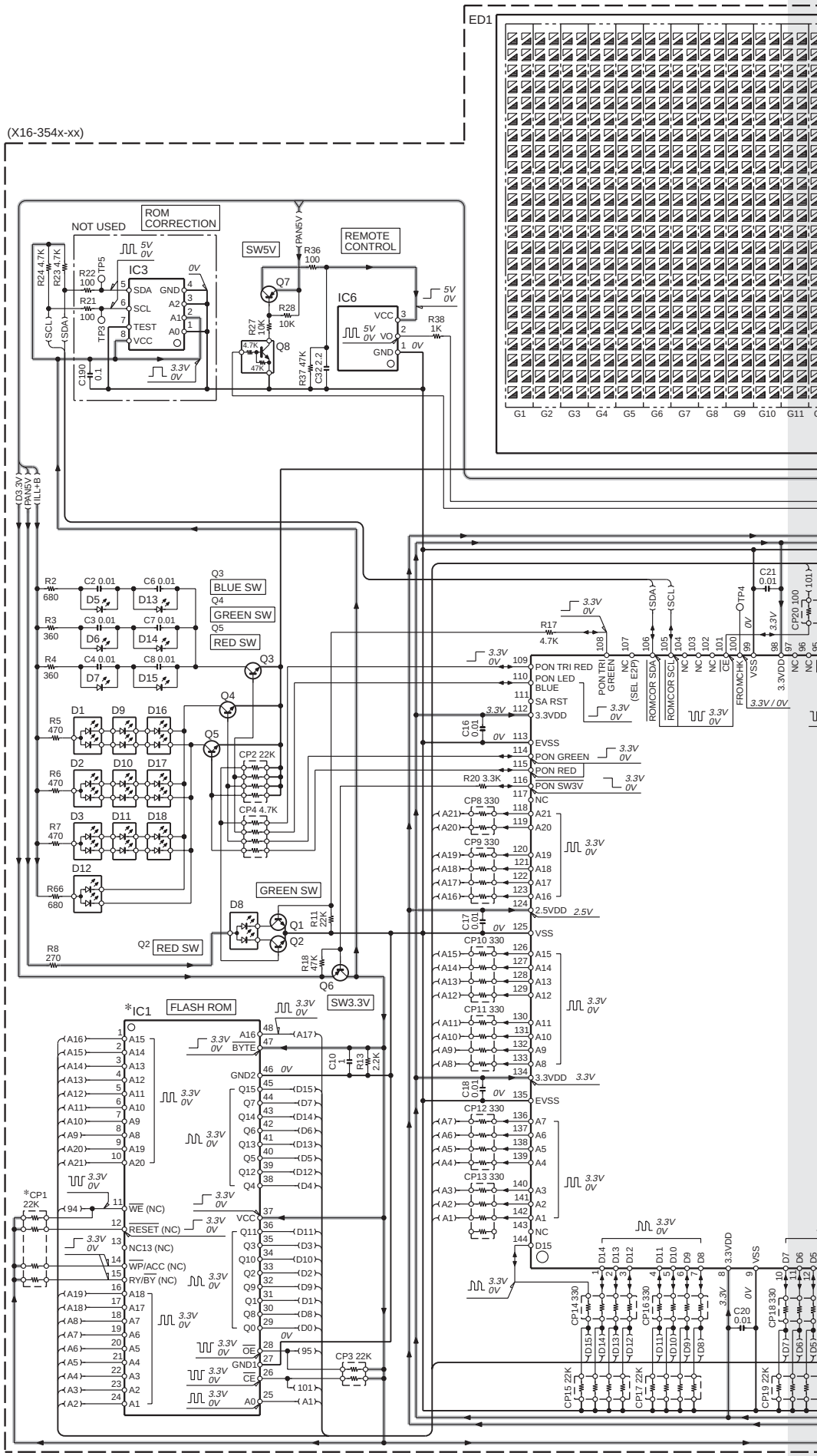


DTA124EUA
DTA143TUA
DTC124EUA
DTC144EUA

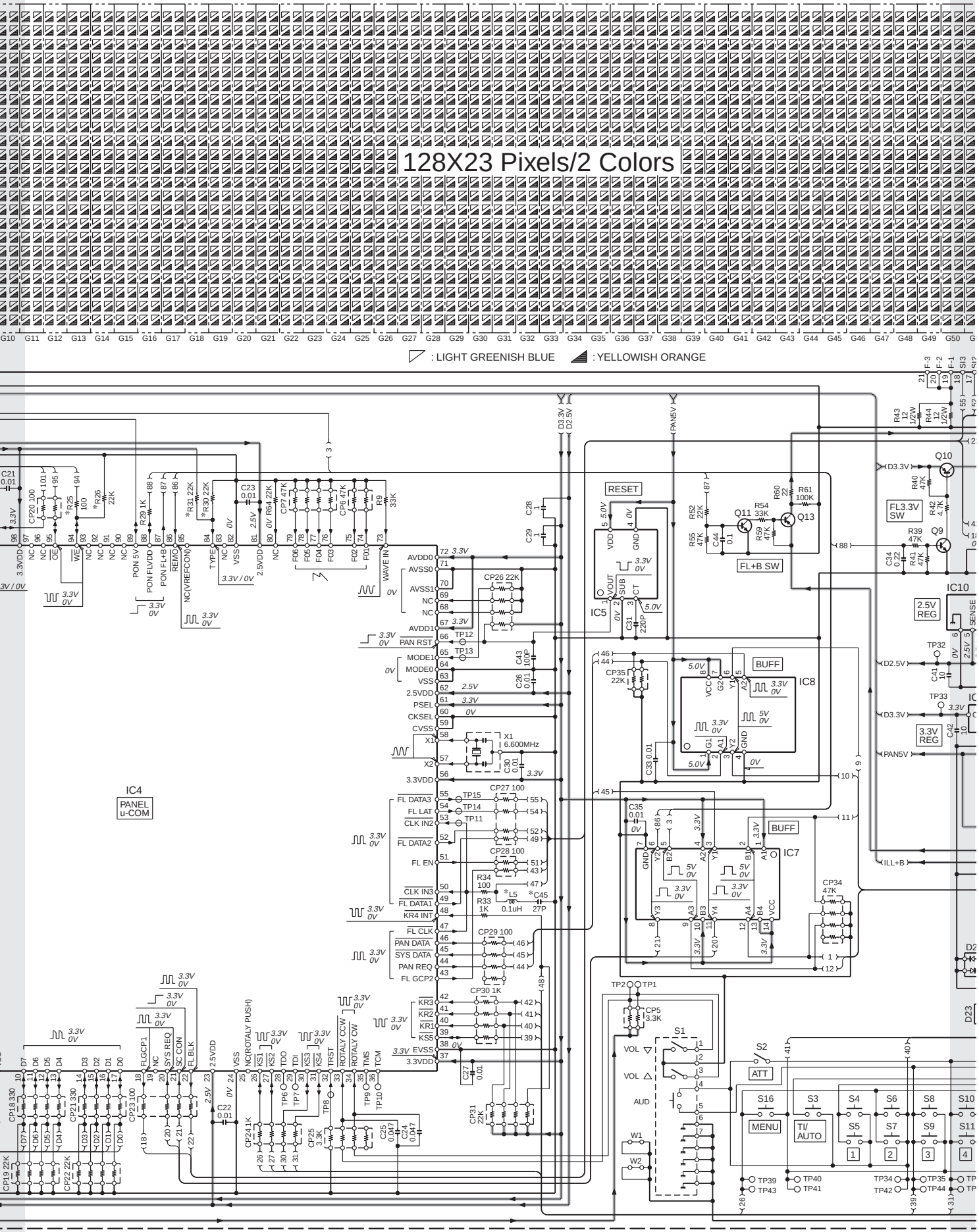


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

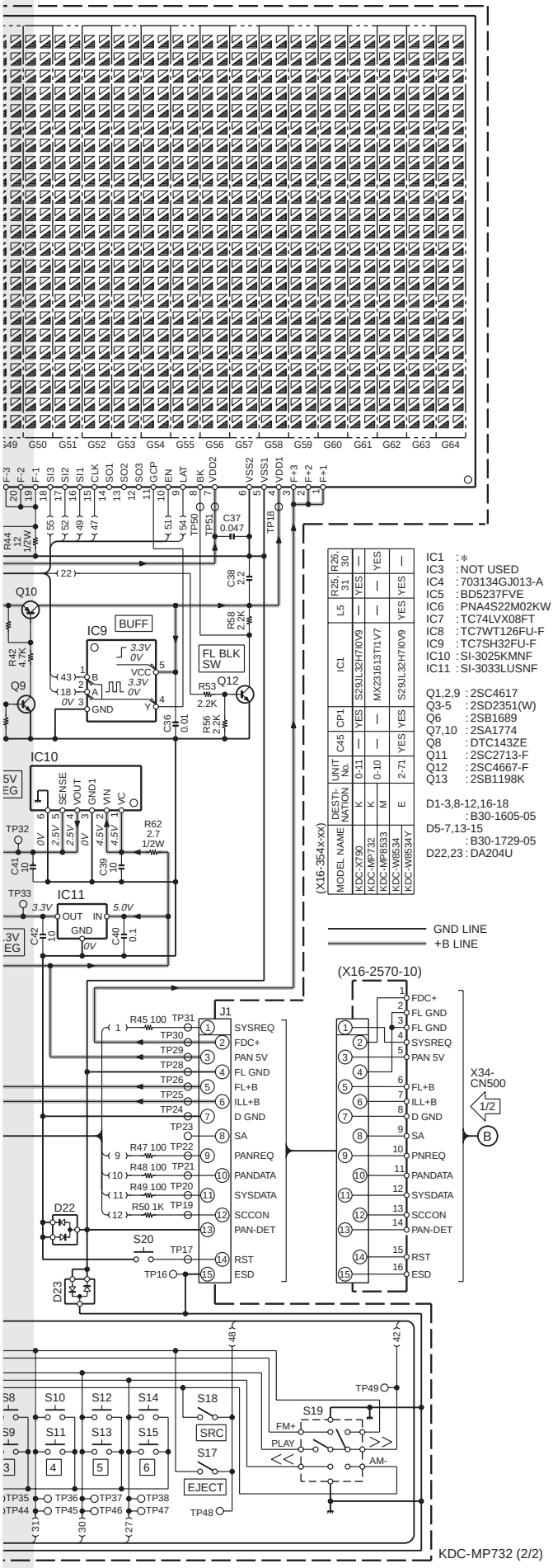
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.


ED1
(X16-354x-xx)
ROM CORRECTION
NOT USED
IC3
SDA
SCL
TEST
VCC
GND
A2
A1
A0
SW5V
REMOTE CONTROL
IC6
Q7
Q8
R28 10K
R36 100
R38 1K
BLUE SW
GREEN SW
RED SW
D1 D9 D16
D2 D10 D17
D3 D11 D18
D12
D4 D13
D5 D14
D6 D15
D7
D8
Q1
Q2
Q3
Q4
Q5
Q6
CP2 22K
CP4 4.7K
CP8 330
CP9 330
CP10 330
CP11 330
CP12 330
CP13 330
CP14 330
CP16 330
CP18 330
CP15 22K
CP17 22K
CP19 22K
CP3 22K
*CP1 22K
*IC1
FLASH ROM
SW3.3V
PON TRI RED
PON LED BLUE
SA RST
3.3VDD
EVSS
PON GREEN
PON RED
PON SW3V
2.5VDD
ROMCOR SDA
ROMCOR SCL
FROMCHK
WE (NC)
RESET (NC)
NC13 (NC)
WP/ACC (NC)
RY/BY (NC)
BYTE
OE
CE

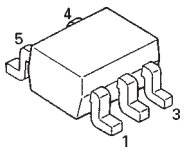
KDC-MP732


128X23 Pixels/2 Colors
: LIGHT GREENISH BLUE
: YELLOWISH ORANGE
IC4
PANEL
u-COM
IC5
IC7
IC8
IC10
RESET
FL+B SW
FL3.3V SW
2.5V REG
3.3V REG
BUFF
ATT
MENU
TI/ AUTO
X1 6.600MHz

KDC-MP732

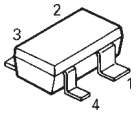


UMC2N

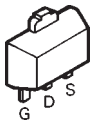


DAP202U
DA204K
DA204U

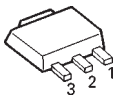
DA227



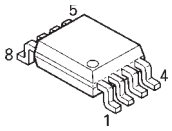
2SJ484-E



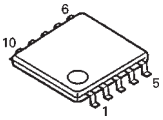
M5237ML-CF0J



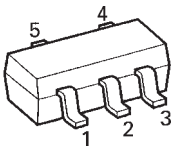
NJM4580V-ZB



LB1930M-E



TC7SH32FU-F



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KDC-MP732

IC1 : TAR5S33-F
IC2 : NJM4580V-ZB
IC3 : BA5824FP
IC4 : 703030BYGCJ21A
IC5 : XC6219B332MR
IC6 : BA33BC0WFP
IC7 : UPD63763CGJ
IC9 : BR24L02FV-W
IC11 : TC7SET32FU-F

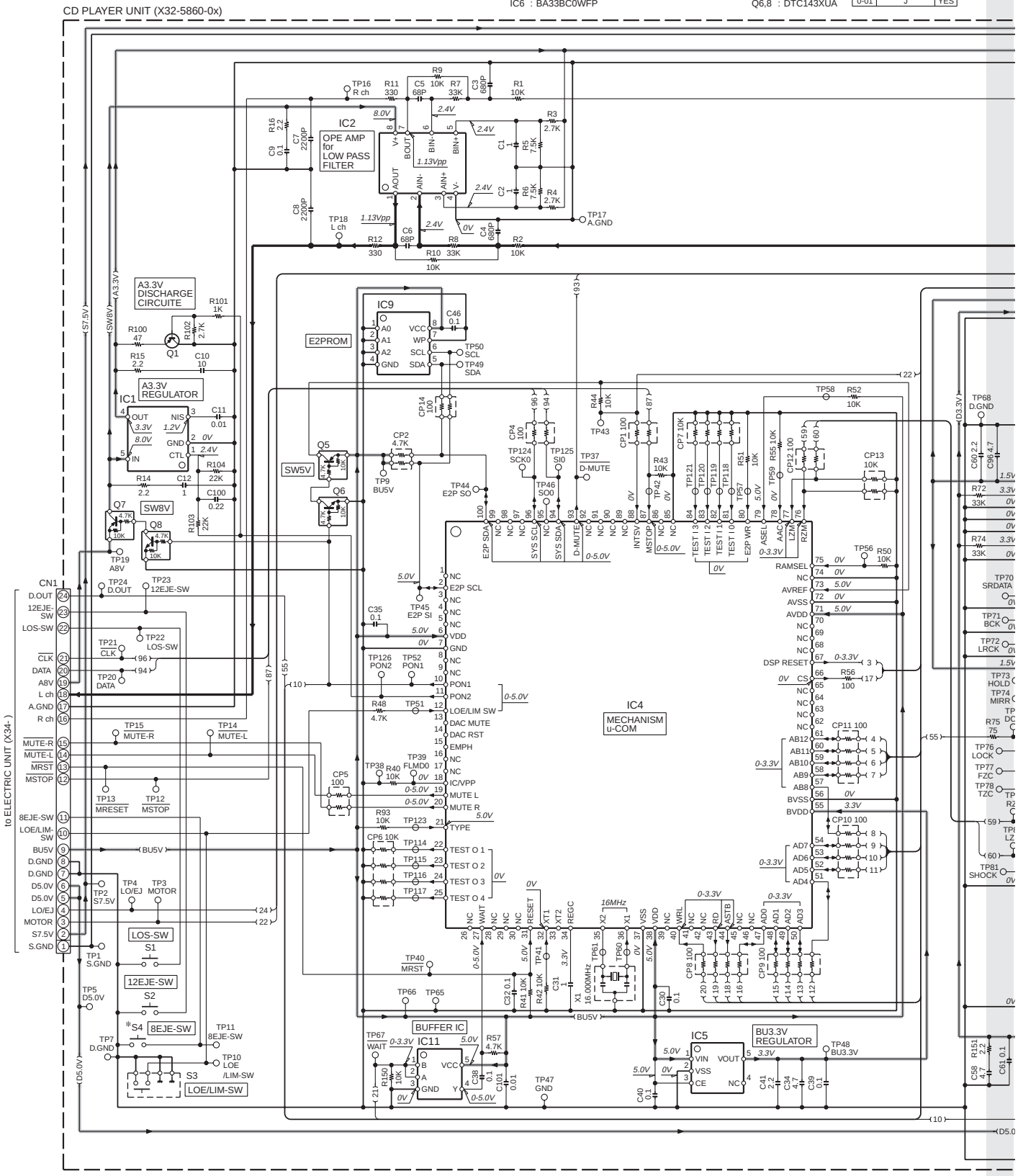
D1 : DAP202U

Q1 : 2SA1576A
Q4 : 2SB0970
Q5,7 : DTA143XUA
Q6,8 : DTC143XUA

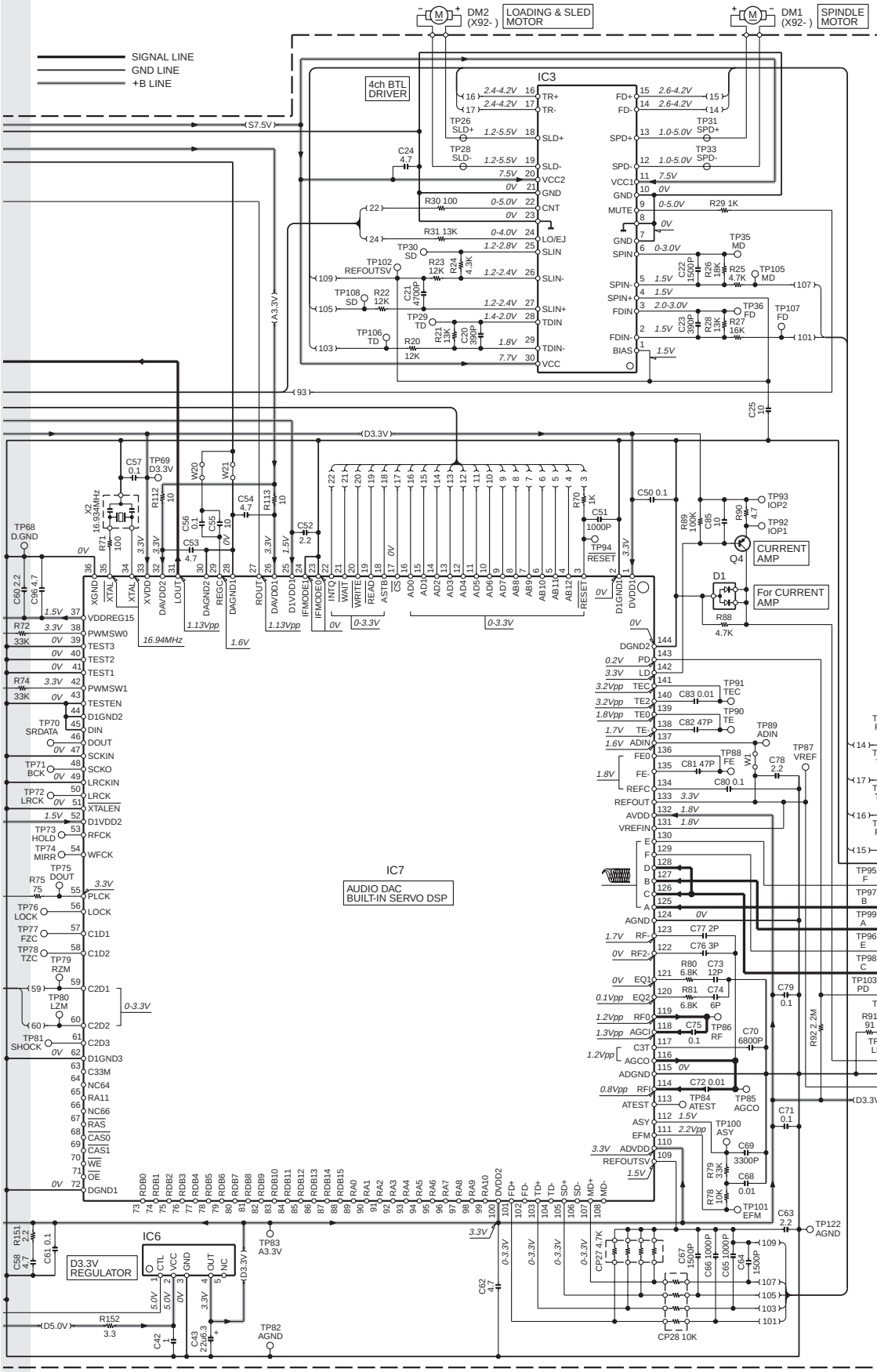
(X32-586x-xx)

UNIT No.	DESTINATION	S4
0-00	K/M/E	—
0-02		—
0-01	J	YES

CD PLAYER UNIT (X32-5860-0x)



KDC-MP732

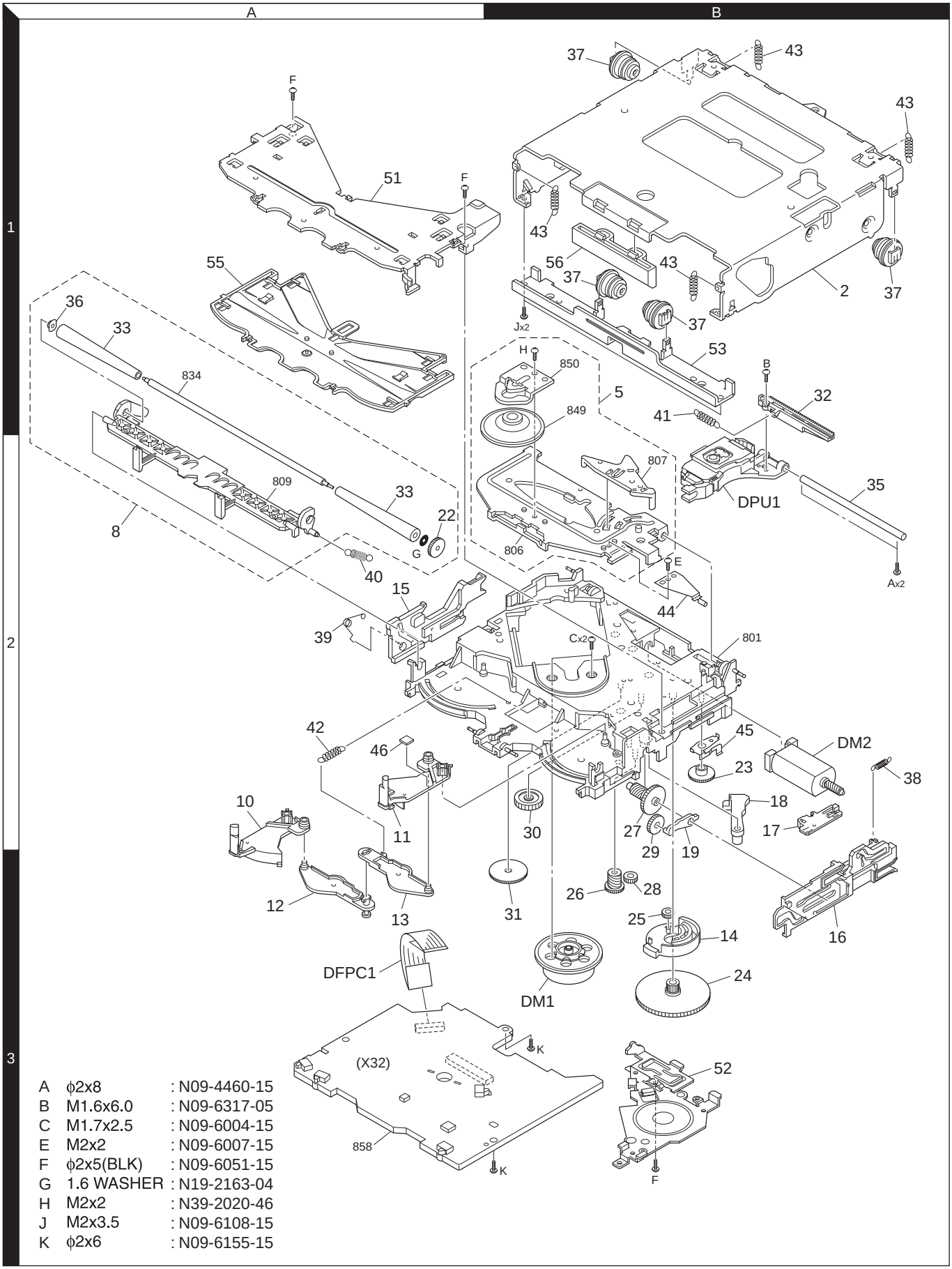


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/ and units.

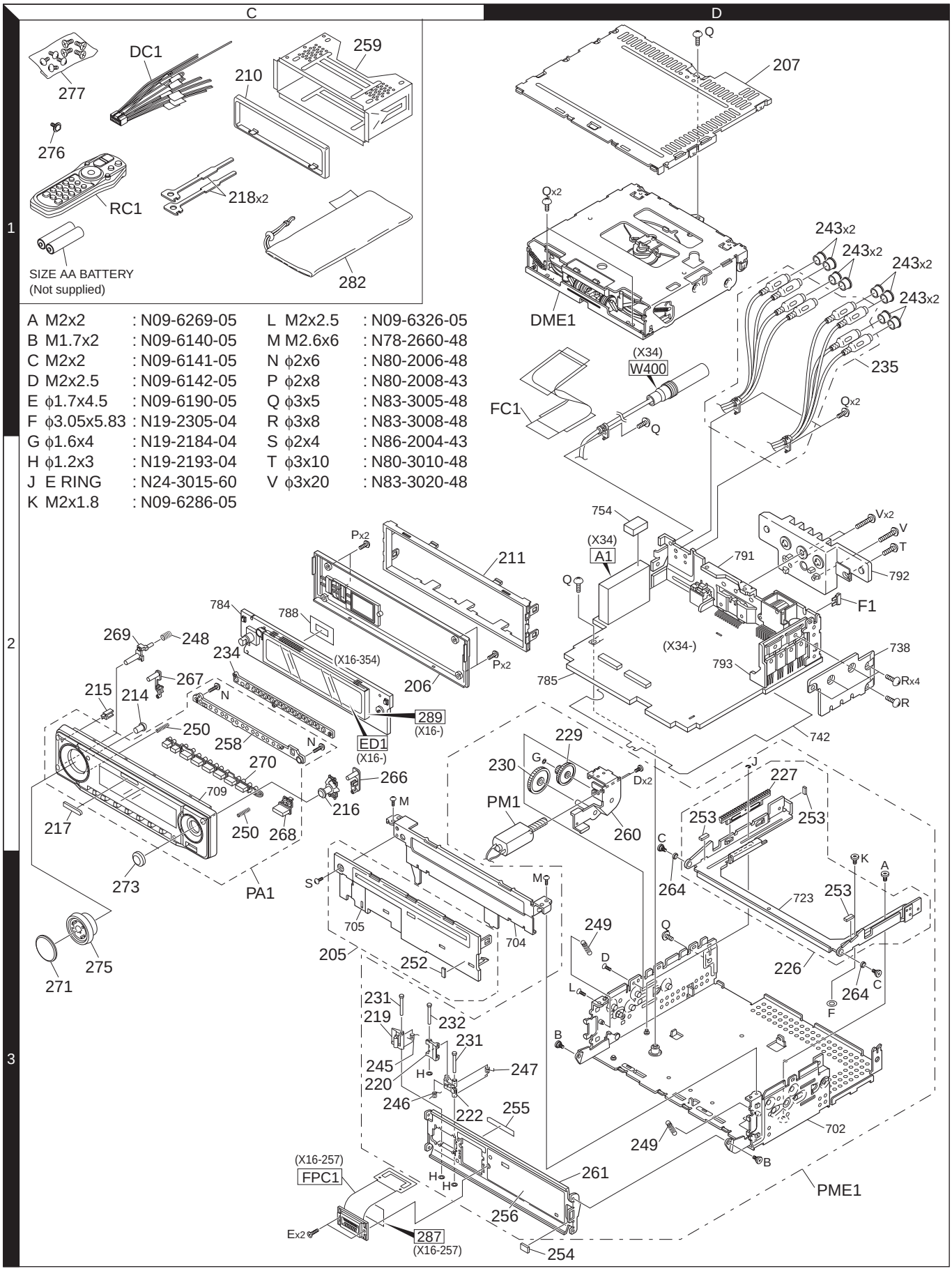
EXPLODED VIEW (CD MECHANISM)



A	ϕ2x8	:	N09-4460-15
B	M1.6x6.0	:	N09-6317-05
C	M1.7x2.5	:	N09-6004-15
E	M2x2	:	N09-6007-15
F	ϕ2x5(BLK)	:	N09-6051-15
G	1.6 WASHER	:	N19-2163-04
H	M2x2	:	N39-2020-46
J	M2x3.5	:	N09-6108-15
K	ϕ2x6	:	N09-6155-15

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT)



A M2x2	: N09-6269-05	L M2x2.5	: N09-6326-05
B M1.7x2	: N09-6140-05	M M2.6x6	: N78-2660-48
C M2x2	: N09-6141-05	N ϕ2x6	: N80-2006-48
D M2x2.5	: N09-6142-05	P ϕ2x8	: N80-2008-43
E ϕ1.7x4.5	: N09-6190-05	Q ϕ3x5	: N83-3005-48
F ϕ3.05x5.83	: N19-2305-04	R ϕ3x8	: N83-3008-48
G ϕ1.6x4	: N19-2184-04	S ϕ2x4	: N86-2004-43
H ϕ1.2x3	: N19-2193-04	T ϕ3x10	: N80-3010-48
J E RING	: N24-3015-60	V ϕ3x20	: N83-3020-48
K M2x1.8	: N09-6286-05		

Parts with the exploded numbers larger than 700 are not supplied.

KDC-MP732

PARTS LIST

✻ New parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination
KDC-MP732					
205	3C		A22-3023-22	SUB PANEL ASSY	
206	2C		A46-1817-01	REAR COVER	
207	1D		A52-0845-12	TOP PLATE	
PA1	3C	✻	A64-3732-02	PANEL ASSY	
PME1	3D		A10-5205-22	CHASSIS ASSY	
RC1	1C		A70-2067-15	REMOTE CONTROLLER ASSY (RC-527)	
-			B46-0681-04	ID CARD	
-			B46-0682-00	WARRANTY CARD	
-			B58-1426-04	CAUTION CARD	
-		✻	B64-3301-00	INSTRUCTION MANUAL (ENGLISH)	
-		✻	B64-3302-00	INSTRUCTION MANUAL (FRENCHV)	
-		✻	B64-3303-00	INSTRUCTION MANUAL (SPANISH)	
210	1C		B07-3126-01	ESCUTCHEON	
211	2C		B07-3095-02	ESCUTCHEON	
214	2C	✻	B10-4837-04	FRONT GLASS (RC-SENSOR)	
215	2C	✻	B19-2359-04	LIGHTING BOARD	
216	2C	✻	B19-2360-03	LIGHTING BOARD (JOG-BASE)	
217	2C		B43-1518-04	BADGE	
218	1C		D10-4589-04	LEVER	
219	3C		D10-4805-03	LEVER	
220	3C		D10-4806-03	LEVER	
222	3C		D10-4807-13	LEVER	
226	3D		D10-4875-13	SLIDER ASSY	
227	2D		D13-2318-13	RACK (GEAR)	
229	2D		D13-2320-04	GEAR	
230	2D		D13-2321-04	GEAR	
231	3C		D21-2442-04	SHAFT	
232	3C		D21-2443-04	SHAFT	
234	2C		E29-2026-03	CONDUCTIVE RUBBER	
235	1D		E30-6436-05	CORD WITH PINPLUG	
⚠ DC1	1C		E30-6428-05	DC CORD	
FC1	1D		E39-0736-05	FLAT CABLE (24P)	
243	1D		F29-0626-04	INSULATING COVER	
⚠ F1	2D		F52-0023-05	FUSE (MINI BLADE TYPE) 10A	
245	3C		G01-3210-04	TORSION COIL SPRING	
246	3C		G01-3211-04	TORSION COIL SPRING	
247	3D		G01-3212-04	TORSION COIL SPRING	
248	2C		G01-3213-04	COMPRESSION SPRING	
249	3D		G01-3215-04	EXTENSION SPRING	
250	2C	✻	G01-3291-04	COMPRESSION SPRING	
252	3C		G11-3594-04	CUSHION	
253	2D		G11-3646-04	CUSHION	
254	3D	✻	G16-1606-04	SHEET	
255	3D		G16-1482-14	SHEET	
256	3D		G16-1483-04	SHEET	
-			H10-4925-02	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-		✻	H54-3653-03	ITEM CARTON CASE	
258	2C		J19-7053-02	HOLDER	
259	1C		J21-9716-03	MOUNTING HARDWARE ASSY	
260	2D		J22-0114-03	MOUNTING HARDWARE ASSY	
261	3D		J22-0263-02	MOUNTING HARDWARE	
264	3D		J31-1062-04	COLLAR	
266	2C	✻	K24-4429-03	PUSH KNOB (EJECT)	
267	2C	✻	K24-4432-03	PUSH KNOB (ATT)	
268	2C		K24-4292-03	PUSH KNOB (SRC)	
269	2C	✻	K24-4435-03	PUSH KNOB (RELEASE)	
270	2C	✻	K25-1780-02	PUSH KNOB (PRESET)	
271	3C		K28-0103-03	KEY TOP (VOL)	
273	3C		K28-0106-03	KEY TOP (CONTROL)	
275	3C	✻	K29-7194-03	KNOB (VOL)	
276	1C		N09-6280-05	TAPPING SCREW	
277	1C		N99-1758-05	SCREW SET	
A	3D		N09-6269-05	STEPPED SCREW (M2X2)	
B	3D		N09-6140-05	STEPPED SCREW (M1.7X2)	
C	3D		N09-6141-05	STEPPED SCREW (M2X2)	
D	3D		N09-6142-05	MACHINE SCREW (M2X2.5)	
E	3C		N09-6190-05	TAPPING SCREW (1.7X4.5)	
F	3D		N19-2305-04	FLAT WASHER (3.05X5.83)	
G	2D		N19-2184-04	FLAT WASHER (1.6X4.0)	
H	3C		N19-2193-04	FLAT WASHER (1.2X3)	
J	2D		N24-3015-60	E TYPE RETAINING RING	
K	2D		N09-6286-05	STEPPED SCREW (M2X1.8)	
L	3D		N09-6326-05	MACHINE SCREW (M2X2.5)	
M	2C		N78-2660-48	PAN HEAD TAPTITE SCREW	
N	2C		N80-2006-48	PAN HEAD TAPTITE SCREW	
P	2C		N80-2008-43	PAN HEAD TAPTITE SCREW	
Q	1D		N83-3005-48	PAN HEAD TAPTITE SCREW	
R	2D		N83-3008-48	PAN HEAD TAPTITE SCREW	
S	3C		N86-2004-43	BINDING HEAD TAPTITE SCREW	
PM1	2D		T42-1086-14	MOTOR ASSY	
282	1C		W01-1661-05	CARRYING CASE	
DME1	1D		X92-5470-00	CD MECHANISM ASSY (DXM-6680W)	
SUB-CIRCUIT UNIT (X16-2570-10)					
J1		✻	E58-1038-05	RECTANGULAR RECEPTACLE	
287	3C		F20-2284-14	INSULATING SHEET	
FPC1	3C		J86-0003-05	FPC (LEAD FREE)	
SWITCH UNIT (X16-3540-10)					
D1-3			B30-1605-05	LED (2COLOR PG/RED)	
D5-7			B30-1729-05	LED (1608,BLUE)	
D8-12			B30-1605-05	LED (2COLOR PG/RED)	
D13-15			B30-1729-05	LED (1608,BLUE)	
D16-18			B30-1605-05	LED (2COLOR PG/RED)	
C2-4			CK73GB1H103K	CHIP C 0.010UF K	
C6-8			CK73GB1H103K	CHIP C 0.010UF K	
C10			CK73GB1A105K	CHIP C 1.0UF K	
C16-18			CK73GB1H103K	CHIP C 0.010UF K	
C20-23			CK73GB1H103K	CHIP C 0.010UF K	
C24,25			CK73GB1H473K	CHIP C 0.047UF K	

(North America)

⚠ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-3540-10)

Ref. No.	Add	New	Parts No.	Description	Destination
C26,27			CK73GB1H103K	CHIP C 0.010UF K	
C28,29			CK73GB1A105K	CHIP C 1.0UF K	
C30			CK73GB1H103K	CHIP C 0.010UF K	
C31			CC73GCH1H221J	CHIP C 220PF J	
C32			CK73FB1A225K	CHIP C 2.2UF K	
C33			CK73GB1H103K	CHIP C 0.010UF K	
C34			CK73GB1C224K	CHIP C 0.22UF K	
C35,36			CK73GB1H103K	CHIP C 0.010UF K	
C37			C93-1217-05	CHIP C 0.047UF 100WV	
C38			CK73FB1A225K	CHIP C 2.2UF K	
C39			CK73FB0J106K	CHIP C 10UF K	
C40			CK73GB1H104K	CHIP C 0.10UF K	
C41,42			CK73FB0J106K	CHIP C 10UF K	
C43			CC73GCH1H101J	CHIP C 100PF J	
C44			CK73GB1H104K	CHIP C 0.10UF K	
J1			E59-0846-05	RECTANGULAR PLUG	
289	2C		J19-7054-03	HOLDER	
X1			L78-1208-05	RESONATOR (6.6M)	
CP2			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP3			RK74GA1J223J	CHIP-COM 22K J 1/16W	
CP4			RK74HB1J472J	CHIP-COM 4.7K J 1/16W	
CP5			RK74GA1J332J	CHIP-COM 3.3K J 1/16W	
CP6			RK74GA1J473J	CHIP-COM 47K J 1/16W	
CP7			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP8			RK74GA1J331J	CHIP-COM 330 J 1/16W	
CP9-14			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP15			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP16			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP17			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP18			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP19			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP20			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP21			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP22			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP23			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP24			RK74HB1J102J	CHIP-COM 1.0K J 1/16W	
CP25			RK74HB1J332J	CHIP-COM 3.3K J 1/16W	
CP26			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP27			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP28			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP29			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP30			RK74HB1J102J	CHIP-COM 1.0K J 1/16W	
CP31			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP34			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP35			RK74GA1J223J	CHIP-COM 22K J 1/16W	
R2			RK73FB2B681J	CHIP R 680 J 1/8W	
R3,4			RK73FB2B361J	CHIP R 360 J 1/8W	
R5-7			RK73EB2E471J	CHIP R 470 J 1/4W	
R8			RK73FB2B271J	CHIP R 270 J 1/8W	
R9			RK73GB2A333J	CHIP R 33K J 1/10W	
R11			RK73GB2A223J	CHIP R 22K J 1/10W	
R13			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R17			RK73GB2A472J	CHIP R 4.7K J 1/10W	

Ref. No.	Add	New	Parts No.	Description	Destination
R18			RK73GB2A473J	CHIP R 47K J 1/10W	
R20			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R23,24			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R26			RK73GB2A223J	CHIP R 22K J 1/10W	
R27,28			RK73GB2A103J	CHIP R 10K J 1/10W	
R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R30			RK73GB2A223J	CHIP R 22K J 1/10W	
R33			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R34			RK73GB2A101J	CHIP R 100 J 1/10W	
R36			RK73GB2A101J	CHIP R 100 J 1/10W	
R37			RK73GB2A473J	CHIP R 47K J 1/10W	
R38			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R39-41			RK73GB2A473J	CHIP R 47K J 1/10W	
R42			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R43,44			RK73PB2H120J	CHIP R 12 J 1/2W	
R45			RK73EB2E101J	CHIP R 100 J 1/4W	
R47-49			RK73EB2E101J	CHIP R 100 J 1/4W	
R50			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R52			RK73GB2A223J	CHIP R 22K J 1/10W	
R53			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R54			RK73EB2E333J	CHIP R 33K J 1/4W	
R55			RK73GB2A473J	CHIP R 47K J 1/10W	
R56			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R58			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R59			RK73GB2A473J	CHIP R 47K J 1/10W	
R60			RK73FB2B220J	CHIP R 22 J 1/8W	
R61			RK73GB2A104J	CHIP R 100K J 1/10W	
R62			RK73PB2H2R7J	CHIP R 2.7 J 1/2W	
R64			RK73GB2A223J	CHIP R 22K J 1/10W	
R66			RK73EB2E821J	CHIP R 820 J 1/4W	
W1,2			R92-2053-05	CHIP R 0 OHM J 1/8W	
S2			S70-0901-05	TACT SWITCH	
S17,18			S70-0901-05	TACT SWITCH	
S19		✻	S70-0941-05	TACT SWITCH	
S1			T99-0456-15	ROTARY ENCODER	
D22,23			DA204U	DIODE	
ED1		✻	JN12823AB	FLUORESCENT INDICATOR TUBE	
IC1		✻	MX231613TI1V7	ROM IC	
IC4		✻	703134GJ013-A	MICROCONTROLLER IC	
IC5			BD5237FVE	ANALOGUE IC	
IC6			PNA4S22M02KW	ANALOGUE IC	
IC7			TC74LVX08FT	MOS-IC	
IC8			TC7WT126FU-F	MOS-IC	
IC9			TC7SH32FU-F	MOS-IC	
IC10			SI-3025KMNF	ANALOGUE IC	
IC11			SI-3033LUSNF	ANALOGUE IC	
Q1,2			2SC4617	TRANSISTOR	
Q3-5			2SD2351(W)	TRANSISTOR	
Q6			2SB1689	TRANSISTOR	
Q7			2SA1774	TRANSISTOR	
Q8			DTC143ZE	DIGITAL TRANSISTOR	
Q9			2SC4617	TRANSISTOR	
Q10			2SA1774	TRANSISTOR	

(North America)

⚠ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-3540-10)

Ref. No.	Add	New	Parts No.	Description			Destination
Q11			2SC2713-F	TRANSISTOR			
Q12			2SC4667-F	TRANSISTOR			
Q13			2SB1198K	TRANSISTOR			
CD PLAYER UNIT (X32-5860-00)							
C1,2			CK73GB1A105K	CHIP C	1.0UF	K	
C3,4			CC73GCH1H681J	CHIP C	680PF	J	
C5,6			CC73GCH1H680J	CHIP C	68PF	J	
C7,8			CK73GB1H222K	CHIP C	2200PF	K	
C9			CK73GB1H104K	CHIP C	0.10UF	K	
C10			CK73FB0J106K	CHIP C	10UF	K	
C11			CK73GB1H103K	CHIP C	0.010UF	K	
C12			CK73GB1A105K	CHIP C	1.0UF	K	
C20			CC73GCH1H391J	CHIP C	390PF	J	
C21			CK73GB1H472K	CHIP C	4700PF	K	
C22			CK73GB1H152K	CHIP C	1500PF	K	
C23			CC73GCH1H391J	CHIP C	390PF	J	
C24			CK73EB1A475K	CHIP C	4.7UF	K	
C25			CK73FB0J106K	CHIP C	10UF	K	
C30			CK73GB1H104K	CHIP C	0.10UF	K	
C31			CK73GB1A105K	CHIP C	1.0UF	K	
C32			CK73GB1H104K	CHIP C	0.10UF	K	
C34			CK73FB0J475K	CHIP C	4.7UF	K	
C35			CK73GB1H104K	CHIP C	0.10UF	K	
C38-40			CK73GB1H104K	CHIP C	0.10UF	K	
C41			CK73GB0J225K	CHIP C	2.2UF	K	
C42			CK73GB1A105K	CHIP C	1.0UF	K	
C43			C92-1792-05	ELECTRO	22UF	6.3WV	
C46			CK73GB1H104K	CHIP C	0.10UF	K	
C50			CK73GB1H104K	CHIP C	0.10UF	K	
C51			CK73GB1H102K	CHIP C	1000PF	K	
C52			CK73GB0J225K	CHIP C	2.2UF	K	
C53,54			CK73GB0J475K	CHIP C	4.7UF	K	
C55			CK73FB0J106K	CHIP C	10UF	K	
C56,57			CK73GB1H104K	CHIP C	0.10UF	K	
C58			CK73FB0J475K	CHIP C	4.7UF	K	
C60			CK73GB0J225K	CHIP C	2.2UF	K	
C61			CK73GB1H104K	CHIP C	0.10UF	K	
C62			CK73FB0J475K	CHIP C	4.7UF	K	
C63			CK73GB0J225K	CHIP C	2.2UF	K	
C64			CK73GB1H152K	CHIP C	1500PF	K	
C65,66			CK73GB1H102K	CHIP C	1000PF	K	
C67			CK73GB1H152K	CHIP C	1500PF	K	
C68			CK73GB1H103K	CHIP C	0.010UF	K	
C69			CK73GB1H332K	CHIP C	3300PF	K	
C70			CK73GB1H682K	CHIP C	6800PF	K	
C71			CK73GB1H104K	CHIP C	0.10UF	K	
C72			CK73GB1H103K	CHIP C	0.010UF	K	
C73			CC73GCH1H120J	CHIP C	12PF	J	
C74			CC73GCH1H060D	CHIP C	6.0PF	D	
C75			CK73GB1H104K	CHIP C	0.10UF	K	
C76			CC73GCH1H030C	CHIP C	3.0PF	C	
C77			CC73GCH1H020C	CHIP C	2.0PF	C	
C78			CK73GB0J225K	CHIP C	2.2UF	K	
C79,80			CK73GB1H104K	CHIP C	0.10UF	K	

Ref. No.	Add	New	Parts No.	Description				Destination
C81,82			CC73GCH1H470J	CHIP C	47PF	J		
C83			CK73GB1H103K	CHIP C	0.010UF	K		
C85			CK73FB0J106K	CHIP C	10UF	K		
C96			CK73GB0J475K	CHIP C	4.7UF	K		
C100			CK73GB1C224K	CHIP C	0.22UF	K		
C101			CK73GB1H103K	CHIP C	0.010UF	K		
CN1			E41-2083-15	FLAT CABLE CONNECTOR				
CN2			E41-2297-05	FLAT CABLE CONNECTOR				
X1			L78-0862-05	RESONATOR (16.00MHZ)				
X2			L78-0851-05	RESONATOR (16.93MHZ)				
CP1			RK74GA1J101J	CHIP-COM	100	J	1/16W	
CP2			RK74GA1J472J	CHIP-COM	4.7K	J	1/16W	
CP4,5			RK74GA1J101J	CHIP-COM	100	J	1/16W	
CP6,7			RK74HB1J103J	CHIP-COM	10K	J	1/16W	
CP8-11			RK74HB1J101J	CHIP-COM	100	J	1/16W	
CP12			RK74GA1J101J	CHIP-COM	100	J	1/16W	
CP13			RK74GA1J103J	CHIP-COM	10K	J	1/16W	
CP14			RK74GA1J101J	CHIP-COM	100	J	1/16W	
CP27			RK74GB1J472J	CHIP-COM	4.7K	J	1/16W	
CP28			RK74GB1J103J	CHIP-COM	10K	J	1/16W	
R1,2			RK73GH2A103D	CHIP R	10K	D	1/10W	
R3,4			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R5,6			RK73GB2A752J	CHIP R	7.5K	J	1/10W	
R7,8			RK73GB2A333J	CHIP R	33K	J	1/10W	
R9,10			RK73GH2A103D	CHIP R	10K	D	1/10W	
R11,12			RK73GB2A331J	CHIP R	330	J	1/10W	
R14-16			RK73GB2A2R2J	CHIP R	2.2	J	1/10W	
R20			RK73GB2A123J	CHIP R	12K	J	1/10W	
R21			RK73GB2A133J	CHIP R	13K	J	1/10W	
R22,23			RK73GB2A123J	CHIP R	12K	J	1/10W	
R24			RK73GB2A432J	CHIP R	4.3K	J	1/10W	
R25			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R26			RK73GB2A183J	CHIP R	18K	J	1/10W	
R27			RK73GB2A163J	CHIP R	16K	J	1/10W	
R28			RK73GB2A133J	CHIP R	13K	J	1/10W	
R29			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R30			RK73GB2A101J	CHIP R	100	J	1/10W	
R31			RK73GB2A133J	CHIP R	13K	J	1/10W	
R40-44			RK73GB2A103J	CHIP R	10K	J	1/10W	
R48			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R50-52			RK73GB2A103J	CHIP R	10K	J	1/10W	
R55			RK73GB2A103J	CHIP R	10K	J	1/10W	
R56			RK73GB2A101J	CHIP R	100	J	1/10W	
R57			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R70			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R71			RK73GB2A101J	CHIP R	100	J	1/10W	
R72			RK73GB2A333J	CHIP R	33K	J	1/10W	
R74			RK73GB2A333J	CHIP R	33K	J	1/10W	
R75			RK73GB2A750J	CHIP R	75	J	1/10W	
R78			RK73GB2A103J	CHIP R	10K	J	1/10W	
R79			RK73GB2A333J	CHIP R	33K	J	1/10W	
R80,81			RK73GB2A682J	CHIP R	6.8K	J	1/10W	
R88			RK73GB2A472J	CHIP R	4.7K	J	1/10W	

(North America)

⚠ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5860-00)

Ref. No.	Add	New	Parts No.	Description	Destination
R89			RK73GB2A104J	CHIP R 100K J 1/10W	
R90			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R91			RK73GB2A910J	CHIP R 91 J 1/10W	
R92			RK73GB2A225J	CHIP R 2.2M J 1/10W	
R93			RK73GB2A103J	CHIP R 10K J 1/10W	
R100			RK73GB2A470J	CHIP R 47 J 1/10W	
R101			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R102			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R103,104			RK73GB2A223J	CHIP R 22K J 1/10W	
R112,113			RK73GB2A100J	CHIP R 10 J 1/10W	
R150			RK73GB2A103J	CHIP R 10K J 1/10W	
R151			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R152			RK73EB2E3R3J	CHIP R 3.3 J 1/4W	
W1			R92-1252-05	CHIP R 0 OHM J 1/16W	
W20,21			R92-1252-05	CHIP R 0 OHM J 1/16W	
S1,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	
D1			DAP202U	DIODE	
IC1			TAR5S33-F	ANALOGUE IC	
IC2			NJM4580V-ZB	ANALOGUE IC	
IC3			BA5824FP	ANALOGUE IC	
IC4			703030BYGCJ21A	MICROCONTROLLER IC	
IC5			XC6219B332MR	ANALOGUE IC	
IC6			BA33BC0WFP	ANALOGUE IC	
IC7			UPD63763CGJ	MOS-IC	
IC9			BR24L02FV-W	ROM IC	
IC11			TC7SET32FU-F	MOS-IC	
Q1			2SA1576A	TRANSISTOR	
Q4			2SB0970	TRANSISTOR	
Q5			DTA143XUA	DIGITAL TRANSISTOR	
Q6			DTC143XUA	DIGITAL TRANSISTOR	
Q7			DTA143XUA	DIGITAL TRANSISTOR	
Q8			DTC143XUA	DIGITAL TRANSISTOR	

ELECTRIC UNIT (X34-3730-11)

Ref. No.	Add	New	Parts No.	Description	Destination
D451			B30-1567-05	LED (1608,RED)	
C1			C90-6744-05	ELECTRO 3900UF 16WV	
C10			CK73FB1C105K	CHIP C 1.0UF K	
C11			CD04AY1A221M	ELECTRO 220UF 10WV	
C20			CD04BA0J101M	ELECTRO 100UF 6.3WV	
C21			C90-5692-05	ELECTRO 220UF 16WV	
C22			CK73GB1H103K	CHIP C 0.010UF K	
C23			CE32CL1C100M	CHIP EL 10UF 16WV	
C30			CK73GB1A474K	CHIP C 0.47UF K	
C31			CD04AY1A101M	ELECTRO 100UF 10WV	
C32			CK73GB1A474K	CHIP C 0.47UF K	
C33			CE32BJ1C101M	CHIP EL 100UF 16WV	
C40			CK73GB1H103K	CHIP C 0.010UF K	
C41			CD04BA0J470M	ELECTRO 47UF 6.3WV	
C42,43			CK73GB1H104K	CHIP C 0.10UF K	
C50			CK73GB1H104K	CHIP C 0.10UF K	
C51			CD04AS1C470M	ELECTRO 47UF 16WV	
C60			CK73FB1E474K	CHIP C 0.47UF K	
C61			CK73GB1A105K	CHIP C 1.0UF K	
C63			CK73FB0J106K	CHIP C 10UF K	
C64			CK73GB1H103K	CHIP C 0.010UF K	
C67			CK73GB1H103K	CHIP C 0.010UF K	
C68			CK73GB1H104K	CHIP C 0.10UF K	
C69			CK73FB0J106K	CHIP C 10UF K	
C71			CK73GB1H104K	CHIP C 0.10UF K	
C72			CK73GB1H683K	CHIP C 0.068UF K	
C73			CK73EB1C106K	CHIP C 10UF K	
C74			CD04BK1E101M	ELECTRO 100UF 25WV	
C75			CD04BF1E101M	ELECTRO 100UF 25WV	
C76			CK73GB1C224K	CHIP C 0.22UF K	
C81			C93-1382-05	CHIP C 1UF K	
C82			C93-1381-05	CHIP C 1UF K	
C84			C93-1381-05	CHIP C 1UF K	
C85			C93-1382-05	CHIP C 1UF K	
C86			CK73EB1E105K	CHIP C 1.0UF K	
C87			CK73GB1H103K	CHIP C 0.010UF K	
C88			CK73GB1C224K	CHIP C 0.22UF K	
C100			CK73GB1H104K	CHIP C 0.10UF K	
C102,103			CC73GCH1H220J	CHIP C 22PF J	
C104-106			CK73GB1H103K	CHIP C 0.010UF K	
C107			CK73GB1H102K	CHIP C 1000PF K	
C109-113			CK73GB1H103K	CHIP C 0.010UF K	
C114			CD04AS0J470M	ELECTRO 47UF 6.3WV	
C200,201			CK73GB1H103K	CHIP C 0.010UF K	
C202			CK73GB1H102K	CHIP C 1000PF K	
C203			CK73GB1H223K	CHIP C 0.022UF K	
C204			CK73GB1H103K	CHIP C 0.010UF K	
C205			CK73FB1C105K	CHIP C 1.0UF K	
C300			CD04AS1C470M	ELECTRO 47UF 16WV	
C301			CD04AT1H010M	ELECTRO 1UF 50WV	
C302			CD04AS1H4R7M	ELECTRO 4.7UF 50WV	
C303,304			CD04AS1H3R3M	ELECTRO 3.3UF 50WV	
C305			CK73FB1C105K	CHIP C 1.0UF K	
C306			CK73GB1H103K	CHIP C 0.010UF K	
C307			CE32CL1C100M	CHIP EL 10UF 16WV	
C308,309			CD04AS1H2R2M	ELECTRO 2.2UF 50WV	
C310,311			CK73FB1E474K	CHIP C 0.47UF K	
C364,365			CD04AS1H010M	ELECTRO 1UF 50WV	
C369			CK73FB1C105K	CHIP C 1.0UF K	
C384			CK73FB1C105K	CHIP C 1.0UF K	
C385,386			CK73GB1H152K	CHIP C 1500PF K	
C387,388			CC73GCH1H101J	CHIP C 100PF J	
C407			CK73GB1H103K	CHIP C 0.010UF K	
C409,410			CK73GB1H103K	CHIP C 0.010UF K	
C412			CK73GB1H103K	CHIP C 0.010UF K	
C450-455			CK73GB1H104K	CHIP C 0.10UF K	
C458			CK73GB1A105K	CHIP C 1.0UF K	
C550,551			CK73GB1H103K	CHIP C 0.010UF K	
C600,601			CK73EB1E225K	CHIP C 2.2UF K	
C602			CK73GB1H103K	CHIP C 0.010UF K	
C603			CK73GB1H223K	CHIP C 0.022UF K	
C604			CD04AS1C220M	ELECTRO 22UF 16WV	
C605-608			CK73EB1E225K	CHIP C 2.2UF K	
C609			CD04BF1E101M	ELECTRO 100UF 25WV	

(North America)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-11)

Ref. No.	Add	New	Parts No.	Description			Destination
C610			CD04AS1C220M	ELECTRO	22UF	16WV	
C611			CE32CL1C100M	CHIP EL	10UF	16WV	
C612,613			CD04AT1C100M	ELECTRO	10UF	16WV	
C614,615			CE32CL1C100M	CHIP EL	10UF	16WV	
C616,617			CD04AT1C100M	ELECTRO	10UF	16WV	
C618,619			CE32CL1C100M	CHIP EL	10UF	16WV	
C620,621			CD04AS1V100M	ELECTRO	10UF	35WV	
C622			CE32CL1C100M	CHIP EL	10UF	16WV	
C623-628			CK73GB1H102K	CHIP C	1000PF	K	
C629			CK73FB1E474K	CHIP C	0.47UF	K	
C630			CD04AT0J470M	ELECTRO	47UF	6.3WV	
C631			CK73FB1E474K	CHIP C	0.47UF	K	
C632			CK73GB1H103K	CHIP C	0.010UF	K	
C633,634			CE32CL1C100M	CHIP EL	10UF	16WV	
C635-638			CK73GB1A105K	CHIP C	1.0UF	K	
C701			CK73FB1E474K	CHIP C	0.47UF	K	
C702			CD04AS0J470M	ELECTRO	47UF	6.3WV	
C703			CK73FB1E474K	CHIP C	0.47UF	K	
C704			CK73GB1H103K	CHIP C	0.010UF	K	
C750			CK73FB1C105K	CHIP C	1.0UF	K	
C752-755			C90-5700-05	NP-ELEC	4.7UF	16WV	
C756			CD04BA1C101M	ELECTRO	100UF	16WV	
C757			C90-6742-05	NP-ELECT	4.7UF	16WV	
C758			CK73GB1H103K	CHIP C	0.010UF	K	
C759			CK73FB1C105K	CHIP C	1.0UF	K	
C800-802			CD04AS1V100M	ELECTRO	10UF	35WV	
C803			CK73GB1H104K	CHIP C	0.10UF	K	
C804			CK73GB1H103K	CHIP C	0.010UF	K	
C805			CD04AS1C470M	ELECTRO	47UF	16WV	
C806,807			CK73GB1H102K	CHIP C	1000PF	K	
C808			CD04BA1C101M	ELECTRO	100UF	16WV	
C809			CC73GCH1H101J	CHIP C	100PF	J	
C812			CC73GCH1H471J	CHIP C	470PF	J	
C813			CC73GCH1H101J	CHIP C	100PF	J	
CN450			E41-2259-05	PIN ASSY			
CN500			E41-2344-05	FLAT CABLE CONNECTOR			
CN550			E41-2352-05	FLAT CABLE CONNECTOR			
CN600			E41-2555-05	PIN ASSY			
⚠ J1			E58-0991-05	RECTANGULAR RECEPTACLE			
J2			E56-0855-05	CYLINDRICAL RECEPTACLE			
W400			E30-6438-05	CORD WITH PLUG			
L1			L33-1988-05	CHOKE COIL ASSY			
L60,61			L33-2230-05	SMALL FIXED INDUCTOR			
L81			L33-2228-05	SMALL FIXED INDUCTOR			
L100			L92-0075-05	CHIP FERRITE			
L101			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)			
L400			L33-2260-05	CHOKE COIL			
L401			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)			
L403			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)			
L600			L41-2205-33	SMALL FIXED INDUCTOR (22U)			
X100			L78-0872-05	RESONATOR (12MHZ)			
X101			L77-2880-05	CRYSTAL RESONATOR			
Q	2D		N83-3005-48	PAN HEAD TAPTITE SCREW			
T	2D		N80-3010-48	PAN HEAD TAPTITE SCREW			
V	2D		N83-3020-48	PAN HEAD TAPTITE SCREW			
CP100			RK74GB1J101J	CHIP-COM	100	J 1/16W	
CP101-103			RK74GA1J101J	CHIP-COM	100	J 1/16W	
CP104			RK74GA1J102J	CHIP-COM	1.0K	J 1/16W	
CP106			RK74GA1J103J	CHIP-COM	10K	J 1/16W	
CP107			RK74GB1J102J	CHIP-COM	1.0K	J 1/16W	
CP108			RK74GA1J222J	CHIP-COM	2.2K	J 1/16W	
CP109			RK74GB1J101J	CHIP-COM	100	J 1/16W	
CP110,111			RK74GA1J101J	CHIP-COM	100	J 1/16W	
R2,3			RK73EB2E103J	CHIP R	10K	J 1/4W	
R10			RK73GH2A243D	CHIP R	24K	D 1/10W	
R11			RK73FB2B221J	CHIP R	220	J 1/8W	
R12			RK73GB2A153J	CHIP R	15K	J 1/10W	
R13			RK73GH2A432D	CHIP R	4.3K	D 1/10W	
R20			RK73FB2B203J	CHIP R	20K	J 1/8W	
R21			RK73GB2A223J	CHIP R	22K	J 1/10W	
R22			RK73GB2A101J	CHIP R	100	J 1/10W	
R23			RK73FB2B272J	CHIP R	2.7K	J 1/8W	
R30			RK73FB2B102J	CHIP R	1.0K	J 1/8W	
R31			RK73FB2B152J	CHIP R	1.5K	J 1/8W	
R40			RK73FB2B223J	CHIP R	22K	J 1/8W	
R41			RK73FB2B182J	CHIP R	1.8K	J 1/8W	
R42			RK73GB2A105J	CHIP R	1.0M	J 1/10W	
R43			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R46			RK73SB3A2R2J	CHIP R	2.2	J 1W	
R50			RK73FB2B152J	CHIP R	1.5K	J 1/8W	
R52			RK73FB2B102J	CHIP R	1.0K	J 1/8W	
R60			RK73GH2A103D	CHIP R	10K	D 1/10W	
R61			RN73GH1J153D	CHIP R	15K	D 1/16W	
R62			RK73GB2A103J	CHIP R	10K	J 1/10W	
R63			RK73GH2A912D	CHIP R	9.1K	D 1/10W	
R64			RK73GH2A103D	CHIP R	10K	D 1/10W	
R66			RK73GB2A104J	CHIP R	100K	J 1/10W	
R67			RK73GH2A333D	CHIP R	33K	D 1/10W	
R68			RN73GH1J243D	CHIP R	24K	D 1/16W	
R69			RK73GB2A104J	CHIP R	100K	J 1/10W	
R70			RK73GH2A303D	CHIP R	30K	D 1/10W	
R71			RN73GH1J1912D	CHIP R	19.1K	D 1/16W	
R73			RK73GB2A103J	CHIP R	10K	J 1/10W	
R74			RK73GH2A822D	CHIP R	8.2K	D 1/10W	
R75			RK73GB2A105J	CHIP R	1.0M	J 1/10W	
R76,77			RK73GB2A104J	CHIP R	100K	J 1/10W	
R78			RS14DB3AR47J	FL-PROOF RS	0.47	J 1W	
R79			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R80			RK73GH2A434D	CHIP R	430K	D 1/10W	
R81			RK73GB2A473J	CHIP R	47K	J 1/10W	
R82			RK73GH2A103D	CHIP R	10K	D 1/10W	
R83			RK73GB2A104J	CHIP R	100K	J 1/10W	
R84			RK73GH2A153D	CHIP R	15K	D 1/10W	
R85			RK73PB2H102J	CHIP R	1.0K	J 1/2W	
R86			RK73GB2A473J	CHIP R	47K	J 1/10W	
R91,92			RK73GB2A104J	CHIP R	100K	J 1/10W	
R93			RK73FB2B431J	CHIP R	430	J 1/8W	

(North America)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-11)

Ref. No.	Add	New	Parts No.	Description			Destination
R100-104			RK73GB2A104J	CHIP R	100K	J 1/10W	
R105			RK73GB2A101J	CHIP R	100	J 1/10W	
R106			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R107			RK73GB2A473J	CHIP R	47K	J 1/10W	
R110			RK73GB2A103J	CHIP R	10K	J 1/10W	
R111			RK73GB2A104J	CHIP R	100K	J 1/10W	
R112			RK73GB2A473J	CHIP R	47K	J 1/10W	
R113			RK73GB2A103J	CHIP R	10K	J 1/10W	
R114			RK73GB2A473J	CHIP R	47K	J 1/10W	
R115			RK73GB2A101J	CHIP R	100	J 1/10W	
R117			RK73GB2A101J	CHIP R	100	J 1/10W	
R120			RK73GB2A104J	CHIP R	100K	J 1/10W	
R121			RK73GB2A103J	CHIP R	10K	J 1/10W	
R122,123			RK73GB2A101J	CHIP R	100	J 1/10W	
R125			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R126			RK73GB2A101J	CHIP R	100	J 1/10W	
R127			RK73GB2A103J	CHIP R	10K	J 1/10W	
R128			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R129			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R130			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R131			RK73GB2A473J	CHIP R	47K	J 1/10W	
R132,133			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R134			RK73GB2A101J	CHIP R	100	J 1/10W	
R139			RK73GB2A473J	CHIP R	47K	J 1/10W	
R141,142			RK73GB2A473J	CHIP R	47K	J 1/10W	
R144,145			RK73GB2A101J	CHIP R	100	J 1/10W	
R146			RK73GB2A333J	CHIP R	33K	J 1/10W	
R147			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R148			RK73GB2A473J	CHIP R	47K	J 1/10W	
R149,150			RK73GB2A223J	CHIP R	22K	J 1/10W	
R153			RK73GB2A223J	CHIP R	22K	J 1/10W	
R155			RK73GB2A223J	CHIP R	22K	J 1/10W	
R158			RK73GB2A223J	CHIP R	22K	J 1/10W	
R160			RK73GB2A223J	CHIP R	22K	J 1/10W	
R161-163			RK73GB2A104J	CHIP R	100K	J 1/10W	
R164			RK73GB2A223J	CHIP R	22K	J 1/10W	
R165,166			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R168			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R171-173			RK73GB2A223J	CHIP R	22K	J 1/10W	
R176			RK73GB2A104J	CHIP R	100K	J 1/10W	
R177			RK73GB2A223J	CHIP R	22K	J 1/10W	
R178			RK73GB2A473J	CHIP R	47K	J 1/10W	
R181			RK73GB2A473J	CHIP R	47K	J 1/10W	
R183			RK73GB2A473J	CHIP R	47K	J 1/10W	
R185			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R187			RK73GB2A473J	CHIP R	47K	J 1/10W	
R200			RK73EB2E473J	CHIP R	47K	J 1/4W	
R201			RD14DB2H332J-T	SMALL-RD	3.3K	J 1/2W	
R202			RK73GB2A183J	CHIP R	18K	J 1/10W	
R203			RK73GB2A104J	CHIP R	100K	J 1/10W	
R204			RK73GB2A393J	CHIP R	39K	J 1/10W	
R205			RK73GB2A103J	CHIP R	10K	J 1/10W	
R209			RK73FB2B683J	CHIP R	68K	J 1/8W	
R210			RK73FB2B203J	CHIP R	20K	J 1/8W	
R211			RK73GB2A103J	CHIP R	10K	J 1/10W	

Ref. No.	Add	New	Parts No.	Description			Destination
R212			RK73GB2A473J	CHIP R	47K	J 1/10W	
R213,214			RK73GB2A104J	CHIP R	100K	J 1/10W	
R216			RK73GB2A223J	CHIP R	22K	J 1/10W	
R217			RK73SB3A471J	CHIP R	470	J 1W	
R218,219			RK73FB2B472J	CHIP R	4.7K	J 1/8W	
R300			RK73EB2E2R2J	CHIP R	2.2	J 1/4W	
R301			RK73GB2A103J	CHIP R	10K	J 1/10W	
R335,336			RK73GB2A101J	CHIP R	100	J 1/10W	
R382,383			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R404			RK73GB2A223J	CHIP R	22K	J 1/10W	
R405,406			RK73GB2A471J	CHIP R	470	J 1/10W	
R407,408			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R409			RK73FB2B102J	CHIP R	1.0K	J 1/8W	
R450,451			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R452			RK73GB2A241J	CHIP R	240	J 1/10W	
R453,454			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R457			RK73GH2A241D	CHIP R	240	D 1/10W	
R458			RK73GH2A111D	CHIP R	110	D 1/10W	
R501			RK73EB2E101J	CHIP R	100	J 1/4W	
R510,511			RK73EB2E101J	CHIP R	100	J 1/4W	
R514			RK73EB2E101J	CHIP R	100	J 1/4W	
R515			RK73EB2E102J	CHIP R	1.0K	J 1/4W	
R516			RK73EB2E472J	CHIP R	4.7K	J 1/4W	
R517			RK73EB2E102J	CHIP R	1.0K	J 1/4W	
R550			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R551			RK73GB2A471J	CHIP R	470	J 1/10W	
R552,553			RK73GB2A104J	CHIP R	100K	J 1/10W	
R554			RK73GB2A471J	CHIP R	470	J 1/10W	
R600,601			RK73GB2A913J	CHIP R	91K	J 1/10W	
R602			RK73GB2A103J	CHIP R	10K	J 1/10W	
R603			RK73GB2A470J	CHIP R	47	J 1/10W	
R604			RK73GB2A274J	CHIP R	270K	J 1/10W	
R605			RK73GB2A563J	CHIP R	56K	J 1/10W	
R606			RK73GB2A752J	CHIP R	7.5K	J 1/10W	
R607			RK73GB2A470J	CHIP R	47	J 1/10W	
R608			RK73GB2A272J	CHIP R	2.7K	J 1/10W	
R609			RK73GB2A750J	CHIP R	75	J 1/10W	
R610			RK73GB2A182J	CHIP R	1.8K	J 1/10W	
R611			RK73GB2A361J	CHIP R	360	J 1/10W	
R612			RK73GB2A820J	CHIP R	82	J 1/10W	
R613			RK73GB2A123J	CHIP R	12K	J 1/10W	
R614			RK73GB2A103J	CHIP R	10K	J 1/10W	
R615			RK73GB2A223J	CHIP R	22K	J 1/10W	
R616			RK73GB2A103J	CHIP R	10K	J 1/10W	
R617			RK73GB2A223J	CHIP R	22K	J 1/10W	
R618			RK73GB2A820J	CHIP R	82	J 1/10W	
R619			RK73GB2A123J	CHIP R	12K	J 1/10W	
R620,621			RK73GB2A361J	CHIP R	360	J 1/10W	
R622			RK73GB2A820J	CHIP R	82	J 1/10W	
R623			RK73GB2A123J	CHIP R	12K	J 1/10W	
R624			RK73GB2A103J	CHIP R	10K	J 1/10W	
R625			RK73GB2A223J	CHIP R	22K	J 1/10W	
R626			RK73GB2A103J	CHIP R	10K	J 1/10W	
R627			RK73GB2A223J	CHIP R	22K	J 1/10W	
R628			RK73GB2A820J	CHIP R	82	J 1/10W	

(North America)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-11)

Ref. No.	Add	New	Parts No.	Description			Destination
R629			RK73GB2A123J	CHIP R	12K	J 1/10W	
R630,631			RK73GB2A361J	CHIP R	360	J 1/10W	
R632			RK73GB2A820J	CHIP R	82	J 1/10W	
R633			RK73GB2A123J	CHIP R	12K	J 1/10W	
R634			RK73GB2A103J	CHIP R	10K	J 1/10W	
R635			RK73GB2A223J	CHIP R	22K	J 1/10W	
R636			RK73GB2A103J	CHIP R	10K	J 1/10W	
R637			RK73GB2A223J	CHIP R	22K	J 1/10W	
R638			RK73GB2A820J	CHIP R	82	J 1/10W	
R639			RK73GB2A123J	CHIP R	12K	J 1/10W	
R640			RK73GB2A361J	CHIP R	360	J 1/10W	
R641			RK73EB2E100J	CHIP R	10	J 1/4W	
R642			RK73EB2E4R7J	CHIP R	4.7	J 1/4W	
R643			RK73EB2E100J	CHIP R	10	J 1/4W	
R644			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R655-660			RK73GB2A104J	CHIP R	100K	J 1/10W	
R700			RK73EB2E472J	CHIP R	4.7K	J 1/4W	
R701			RK73EB2E101J	CHIP R	100	J 1/4W	
R702			RK73EB2E472J	CHIP R	4.7K	J 1/4W	
R703-707			RK73EB2E101J	CHIP R	100	J 1/4W	
R708			RK73EB2E100J	CHIP R	10	J 1/4W	
R709			RK73EB2E4R7J	CHIP R	4.7	J 1/4W	
R710			RK73EB2E100J	CHIP R	10	J 1/4W	
R711			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R712			RK73EB2E102J	CHIP R	1.0K	J 1/4W	
R713-715			RK73EB2E471J	CHIP R	470	J 1/4W	
R750			RK73GB2A683J	CHIP R	68K	J 1/10W	
R752			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R755-758			RK73GB2A471J	CHIP R	470	J 1/10W	
R759-762			RK73GB2A103J	CHIP R	10K	J 1/10W	
R763			RK73GB2A100J	CHIP R	10	J 1/10W	
R764			RK73GB2A103J	CHIP R	10K	J 1/10W	
R765			RK73GB2A432J	CHIP R	4.3K	J 1/10W	
R766			RK73GB2A431J	CHIP R	430	J 1/10W	
R767			RK73GB2A390J	CHIP R	39	J 1/10W	
R768			RK73GB2A223J	CHIP R	22K	J 1/10W	
R770			RK73GB2A133J	CHIP R	13K	J 1/10W	
R771			RK73GB2A223J	CHIP R	22K	J 1/10W	
R772			RK73GB2A221J	CHIP R	220	J 1/10W	
R800			RK73GB2A391J	CHIP R	390	J 1/10W	
R801			RK73GB2A242J	CHIP R	2.4K	J 1/10W	
R803			RK73GH2A512D	CHIP R	5.1K	D 1/10W	
R804			RK73GH2A472D	CHIP R	4.7K	D 1/10W	
R805,806			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R807			RK73GB2A103J	CHIP R	10K	J 1/10W	
R808			RK73GB2A113J	CHIP R	11K	J 1/10W	
R809			RK73GB2A101J	CHIP R	100	J 1/10W	
R810			RK73FB2B152J	CHIP R	1.5K	J 1/8W	
R811			RK73GB2A104J	CHIP R	100K	J 1/10W	
R812			RK73FB2B4R7J	CHIP R	4.7	J 1/8W	
R813			RK73GB2A332J	CHIP R	3.3K	J 1/10W	
R814,815			RK73GB2A101J	CHIP R	100	J 1/10W	
R817			RK73GB2A100J	CHIP R	10	J 1/10W	
R818			RK73GB2A8R2J	CHIP R	8.2	J 1/10W	
R819-822			RK73GB2A9R1J	CHIP R	9.1	J 1/10W	

Ref. No.	Add	New	Parts No.	Description			Destination
R823			RK73FB2B1R0J	CHIP R	1.0	J 1/8W	
W751			R92-1252-05	CHIP R	0 OHM	J 1/16W	
S1,2			S68-0886-05	PUSH SWITCH			
D1			S2V60✻A	DIODE			
D20			RB160L-40	DIODE			
D21			UDZS5.6B	ZENER DIODE			
D30			HZU9.1 (B1)-E	ZENER DIODE			
D31			UDZS8.2B	ZENER DIODE			
D40			UDZS5.6B	ZENER DIODE			
D41			02DZ11F-Y	ZENER DIODE			
D50			HZU16 (B1)-E	ZENER DIODE			
D60,61			SFPB-54VNF	DIODE			
D80-82			RB060L-40	DIODE			
D102-104			DAP222	DIODE			
D200,201			DAP202U	DIODE			
D202			02DZ6.2F-Y	ZENER DIODE			
D203			UDZS6.8B	ZENER DIODE			
D204			DAP202U	DIODE			
D205			UDZS6.8B	ZENER DIODE			
D206			UDZS4.7B	ZENER DIODE			
D208,209			1SR154-400	DIODE			
D212,213			1SR154-400	DIODE			
D302,303			UDZS5.6B	ZENER DIODE			
D401			IMSA-6801-E	SURGE ABSORBER			
D500			DA204K	DIODE			
D501			STZ6.2N	ZENER DIODE			
D502			DA204K	DIODE			
D503			STZ6.2N	ZENER DIODE			
D505			DAP202U	DIODE			
D506			STZ6.2N	ZENER DIODE			
D507			DA204K	DIODE			
D600			UDZS5.6B	ZENER DIODE			
D601			UDZS11B	ZENER DIODE			
D608,609			STZ6.8N	ZENER DIODE			
D700-702			STZ6.2N	ZENER DIODE			
D703,704			STZ6.8N	ZENER DIODE			
D750-753			1SR154-400	DIODE			
D754,755			DAP222	DIODE			
D756-759			1SR154-400	DIODE			
D800			UDZS6.8B	ZENER DIODE			
D801			DA227	DIODE			
D802			UDZS16B	ZENER DIODE			
IC10			M5237ML-CF0J	ANALOGUE IC			
IC60			FA3687V	ANALOGUE IC			
IC80			LT3467A	ANALOGUE IC			
IC100			S-80836CNNB-J	MOS-IC			
IC102		✻	30625MGPA78GP	MICROCONTROLLER IC			
IC103			TC7W02FU-F	MOS-IC			
IC104			BR24L04FV-W	ROM IC			
IC200			TPD1018F-F	ANALOGUE IC			
IC300			E-TDA7415	ANALOGUE IC			
IC450			LB1930M-E	ANALOGUE IC			
IC451			MMA6261QR2	ANALOGUE IC			

(North America)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-11)

Ref. No.	Add	New	Parts No.	Description	Destination
IC600			ICL7660SIBAZ	ANALOGUE IC	
IC601-603			NJM4565V-ZB	ANALOGUE IC	
IC750			E-TDA7560A	ANALOGUE IC	
IC800			RC4580IDR	ANALOGUE IC	
Q10			2SB1565	TRANSISTOR	
Q11,12			UMC2N	TRANSISTOR	
Q20			2SB1565	TRANSISTOR	
Q21			2SD2351 (W)	TRANSISTOR	
Q22			2SA1577	TRANSISTOR	
Q23			DTC124EUA	DIGITAL TRANSISTOR	
Q30			2SB1565	TRANSISTOR	
Q31			2SB1184	TRANSISTOR	
Q32,33			2SC4081	TRANSISTOR	
Q40			2SB1565	TRANSISTOR	
Q41			2SB1443	TRANSISTOR	
Q42			UMD12N	TRANSISTOR	
Q43			UMC2N	TRANSISTOR	
Q44			2SC4081	TRANSISTOR	
Q45			2SD2351 (W)	TRANSISTOR	
Q50			2SB1449 (R)-E	TRANSISTOR	
Q51			UMC2N	TRANSISTOR	
Q52			2SC4081	TRANSISTOR	
Q60			DTC143TUA	DIGITAL TRANSISTOR	
Q61			UMG2N	TRANSISTOR	
Q62			DTA143TUA	DIGITAL TRANSISTOR	
Q63,64			2SJ484-E	FET	
Q80			2SB1188 (R)	TRANSISTOR	
Q81			2SC4081	TRANSISTOR	
Q91			2SD2351 (W)	TRANSISTOR	
Q100			2SA1576A	TRANSISTOR	
Q101			DTC144EUA	DIGITAL TRANSISTOR	
Q200,201			DTA124EUA	DIGITAL TRANSISTOR	
Q202			2SC4081	TRANSISTOR	
Q204,205			2SC4081	TRANSISTOR	
Q207			DTC144EUA	DIGITAL TRANSISTOR	
Q208			2SB1188 (Q,R)	TRANSISTOR	
Q209			DTC114YUA	DIGITAL TRANSISTOR	
Q402			2SB1689	TRANSISTOR	
Q403			DTC124EUA	DIGITAL TRANSISTOR	
Q450			DTC114YUA	DIGITAL TRANSISTOR	
Q600			2SC4617	TRANSISTOR	
Q601			2SA1774	TRANSISTOR	
Q602			2SC4617	TRANSISTOR	
Q603			2SA1576A	TRANSISTOR	
Q604			2SC4081	TRANSISTOR	
Q605			2SA1576A	TRANSISTOR	
Q606			2SC4081	TRANSISTOR	
Q607			2SB1443	TRANSISTOR	
Q608-613			DTC143TUA	DIGITAL TRANSISTOR	
Q800			DTA124EUA	DIGITAL TRANSISTOR	
Q801			2SA1774	TRANSISTOR	
Q802			2SC2873-F	TRANSISTOR	
TH750			PRF21BE471QB2	POSITIVE RESISTOR	
A1	2D		X86-3840-11	FRONT-END UNIT	

Ref. No.	Add	New	Parts No.	Description	Destination
CD MECHANISM ASSY (X92-5470-00) (DXM-6680W)					
2	1B		A10-4827-32	CHASSIS	
5	1B		D10-4576-83	ARM ASSY	
8	2A		D10-4579-23	LEVER ASSY	
10	3A		D10-4581-13	ARM	
11	2A		D10-4582-13	ARM	
12	3A		D10-4583-03	ARM	
13	3A		D10-4584-03	ARM	
14	3B		D10-4585-03	ARM	
15	2A		D10-4586-13	SLIDER	
16	3B		D10-4587-52	SLIDER	
17	3B		D10-4588-13	SLIDER	
18	3B		D10-4595-04	ARM	
19	3B		D10-4596-24	ARM	
22	2A		D13-2151-04	GEAR	
23	2B		D13-2152-04	GEAR	
24	3B		D13-2153-04	GEAR	
25	3B		D13-2154-04	GEAR	
26	3B		D13-2155-04	WORM	
27	3B		D13-2156-14	GEAR	
28	3B		D13-2157-04	GEAR	
29	3B		D13-2158-04	GEAR	
30	3B		D13-2168-04	GEAR	
31	3B		D13-2171-04	GEAR	
32	1B		D13-2381-13	RACK (GEAR)	
33	2A		D14-0759-04	ROLLER	
35	2B		D21-2382-04	SHAFT	
36	1A		D23-0954-04	RETAINER	
37	1B		D39-0246-05	DAMPER	
38	2B		G01-3072-04	EXTENSION SPRING	
39	2A		G01-3073-04	TORSION COIL SPRING	
40	2A		G01-3074-04	EXTENSION SPRING	
41	1B		G01-3075-24	EXTENSION SPRING	
42	2A		G01-3076-04	EXTENSION SPRING	
43	1B		G01-3077-14	EXTENSION SPRING	
44	2B		G02-1399-04	FLAT SPRING	
45	2B		G02-1408-04	FLAT SPRING	
46	2A		G13-1258-04	CUSHION	
51	1A		J21-9676-32	MOUNTING HARDWARE	
52	3B		J21-9677-22	MOUNTING HARDWARE	
53	1B		J21-9678-13	MOUNTING HARDWARE	
55	1A		J90-1001-11	GUIDE	
56	1B		J90-1023-03	GUIDE	
DFPC1	3A		J84-0141-05	FLEXIBLE PRINTED WIRING BOARD	
A	2B		N09-4460-15	TAPTITE SCREW (T 2X8)	
B	1B		N09-6317-05	TAPTITE SCREW	
C	2B		N09-6004-05	MACHINE SCREW (M1.7X2.5)	
E	2B		N09-6007-15	MACHINE SCREW (M2X2)	
F	1A		N09-6051-15	TAPTITE SCREW (P 2X5)	
G	2A		N19-2163-04	FLAT WASHER (1.6X6X0.25)	
H	1B		N39-2020-46	PAN HEAD MACHINE SCREW	
J	1B		N09-6108-15	TAPTITE SCREW (M2X3.5)	

(North America)

⚠ Indicates safety critical components.

KDC-MP732

PARTS LIST

CD MECHANISM ASSY (X92-5470-00) (DXM-6680W)

Ref. No.	Add	New	Parts No.	Description	Destination
K	3B		N09-6155-15	SEMS (TAPTITE SCREW) (P 2X6)	
DM1	3B		T42-1066-14	DC MOTOR ASSY (SP)	
DM2	2B		T42-1067-14	DC MOTOR ASSY (LO)	
DPU1	2B		X93-2130-00	OPTICAL PICKUP ASSY	

(North America)

Ref. No.	Add	New	Parts No.	Description	Destination

⚠ Indicates safety critical components.

SPECIFICATIONS

FM

Frequency Range (Frequency step) ..... 87.9MHz~107.9MHz (200kHz)
Channel Space Selection 50k/200kHz
Usable Sensitivity (S/N : 30dB) 9.3dBf (0.8µV/75Ω)
Quieting Sensitivity (S/N : 50dB) 15.2dBf (1.6µV/75Ω)
Frequency Response (±3.0dB) ..... 30Hz~15kHz
S/N ..... 70dB (MONO)
Selectivity ..... ≧80dB (±400kHz)
Stereo Separation 40dB (1kHz)

AM

Frequency Range (Frequency step) ..... 530kHz~1700kHz (10kHz)
Channel Space Selection 9k/10kHz
Usable Sensitivity (S/N : 20dB) 28dBµ (25µv)

CD

Laser Diode ..... GaAlAs
Digital Filter (D/A) ..... 8 Times OverSampling
D/A Converter ..... 1 Bit
Spindle Speed (Audio Files) ..... 1000~400 (CLV 2times)
Wow & Flutter ..... Below Mesurable Limit
Frequency Response ..... 10~20kHz (±1dB)
Total Harmonic Distortion 0.001% (1kHz)
S/N Ratio 105dB (1kHz)
Dynamic Range 93dB
MP3 Decode ..... Compliant with MPEG-1/2 Audio Layer-3
WMA Decode ..... Compliant with WINDOWS MEDIA AUDIO
AAC Decode ..... AAC-LC ".m4a" files

Preout Level/Load-Unbalanced ..... 4000mV/10kΩ (CD/CD-CH)
Preout Impedance ..... ≦80Ω
Speaker Impedance ..... 4~8Ω

AUX Input

Frequency Response ..... 20~20kHz±1dB
Input Maximum Voltage 1200mV
Input Impedance 100kΩ

AMP

Maximum Power ..... 50w x 4
Full Bandwidth Power (at less than 1%THD) ..... 22w x 4

TONE

Bass ..... 100Hz±8dB
Middle ..... 1kHz±8dB
Treble ..... 10kHz±8dB

GENERAL

Operating voltage (11~16V allowable) 14.4V
Current Consumption 10A
Installation Size (W x H x D) ..... 182 x 53 x 155mm ..... 7-3/16inch x 2-1/16inch x 6-1/8inch
Weight ..... 1.50 kg (3.31lbs)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.