

CD RECEIVER

KDC-W8534/W8534Y KDC-X790 SERVICE MANUAL

KENWOOD

Kenwood Corporation

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B53-0361-00 (N) 825

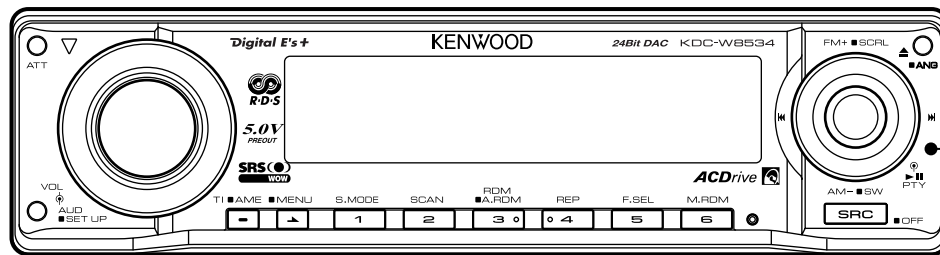
A unique identification number (Unique ID) is given to each unit, which is imprinted on the CD mechanism assembly. If and when the mechanism assembly or Flash ROM (IC17) on the mechanism board is replaced, it is necessary to write the Unique ID. For details, refer to "How to Write the Unique ID" on Page 24.

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

TDF PANEL INFORMATION

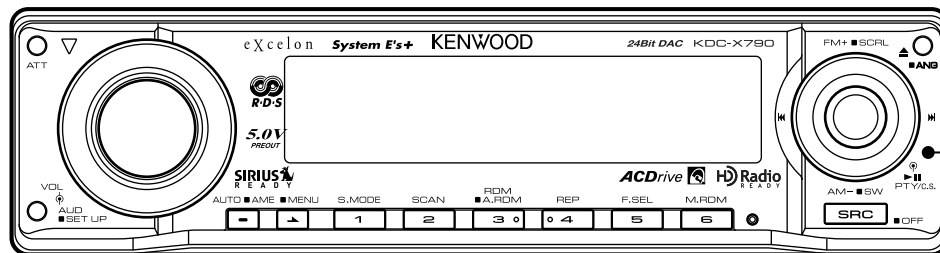
MODEL	TDF PANEL No.	TDF NAME
KDC-W8534/W8534Y	Y33-2430-63	TDF-W8534
KDC-X790	Y33-2430-60	TDF-67DX

KDC-W8534
KDC-W8534Y
(E type)



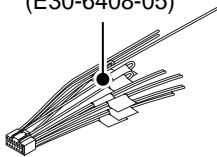
Panel assy
(A64-3734-02)

KDC-X790
(K type)

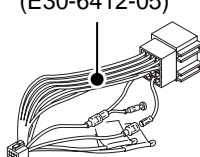


Panel assy
(A64-3730-02)

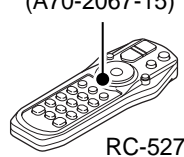
DC cord (K type)
(E30-6408-05)



DC cord (E type)
(E30-6412-05)



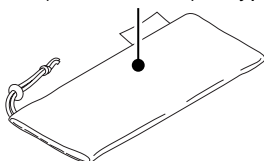
Remote controller assy
(A70-2067-15)



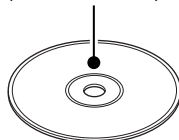
SIZE AA BATTERY
(Not supplied)



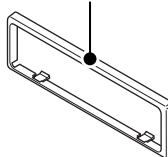
Carrying case
(W01-1661-05): E type
(W01-1664-05): K type



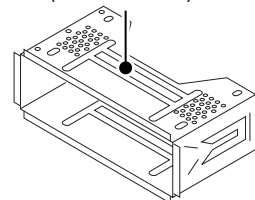
Compact disc
(W01-1647-15): E type
(W01-1643-25): K type



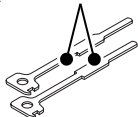
Escutcheon
(B07-3125-01)



Mounting hardware assy
(J21-9716-03)



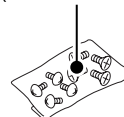
Lever
(D10-4589-04) x2



Antenna adaptor (E type)
(T90-0523-05)



Screw set (K type)
(N99-1758-05)



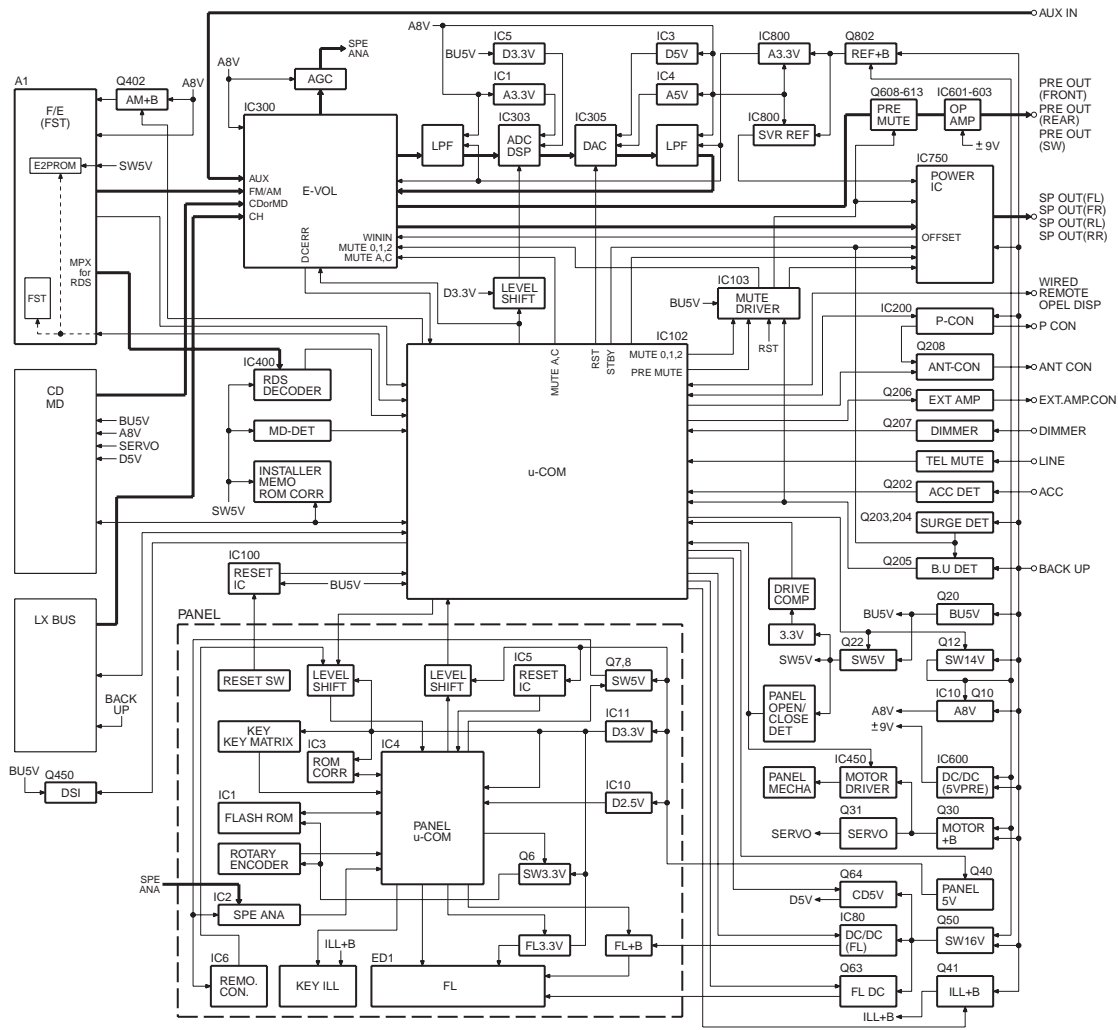
Tapping screw
(N09-6280-05)



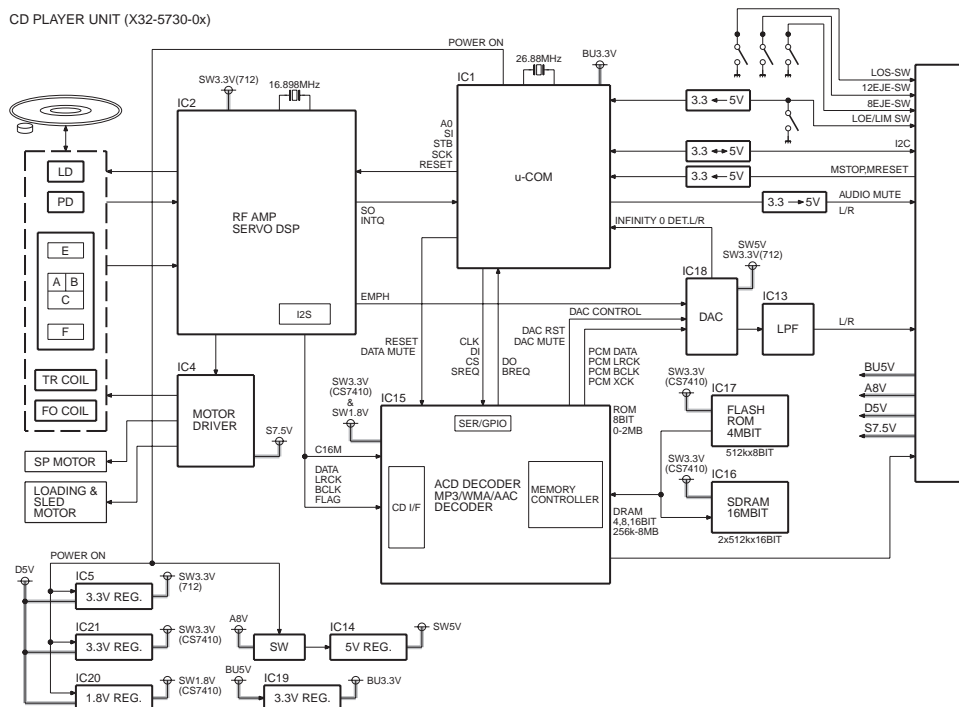
This product uses Lead Free solder.



BLOCK DIAGRAM



CD PLAYER UNIT (X32-5730-0x)



COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-3730-12/4242-7x)

Ref. No.	Application / Function	Operation / Condition / Compatibility															
IC1	DSP Analog Power Supply	Output 3.3V.															
IC3	DAC Digital Power Supply	Output 5.0V.															
IC4	DAC Analog Power Supply	Output 5.0V.															
IC5	DSP Digital Power Supply	Output 3.3V.															
IC10	Audio 8V Ref Power Supply	Output 1.27V.															
IC60	Switching Regulator Controller	Power Supply for VFD & Mecha digital. CH1 : VFD (4.7V) CH2 : Mecha digital (DXM-680x : 4V , Other : 5V)															
IC80	Switching Regulator	Power supply for VFD. (57V)															
IC100	Reset IC	"L" when detection voltage goes below 3.6V or less.															
IC102	System μ -com	Controls FM/AM tuner, the changer, CD/MD mechanism, Panel, volume and tone.															
IC103	Muting logic IC	Controls logic for muting.															
IC104	EEPROM	For instraller's memory															
IC200	Power Control IC	Power control switch															
IC300	Eelectrical Volume & Source Selecter	Controls the source, volume, and tone.															
IC301,302	Audio buffer AMP	Low pass filter for DSP input.															
IC303	DSP	Digital signal processer.															
IC304	Buffer IC	It changes into 3.3V from 5.0V.															
IC305	DAC	Digital to Analog converter.															
IC306~308	Audio buffer AMP	Low pass filter for DAC output.															
IC400	RDS decoder																
IC450	Panel mecha motor driver	Panel mecha control <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>IN1</th> <th>IN2</th> <th>Panel mecha</th> </tr> </thead> <tbody> <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> </tbody> </table>	IN1	IN2	Panel mecha	L	L	WAIT	L	H	OPEN	H	L	CLOSE	H	H	STOP
IN1	IN2	Panel mecha															
L	L	WAIT															
L	H	OPEN															
H	L	CLOSE															
H	H	STOP															
IC451	G-Analyzer	Analog gravity sensor.															
IC600	\pm 9V AVR	Power supply for 5V Pre Out OP-AMP.															
IC601~603	5V Pre-out AMP	Output buffer and gain control.															
IC750	Power IC	Amplifies the front L/R and the rear L/R to 50W maximum.															
IC800	Audio3.3V Ref Supply SVR6.8V Ref Supply	Audio 3.3V Ref supply to electrical volume and all low pass filters. SVR6.8V Ref supply to power IC.															
Q10,11	Audio8V AVR	When Q11' 2in goes Hi, A8V AVR outputs 8.0V.															
Q12	SW14V	When Q12' 2pin goes Hi, SW14V outputs 14V.															
Q20,21	B.U.5V AVR	While BU is applied, BU5V AVR outputs +5V.															
Q22,23	SW5V	When Q23' base goes Hi, SW5V outputs +5V.															
Q30,32	Moter+B AVR (Panel Mecha)	When Q9' base goes Hi, Moter+B AVR outputs 7.5V.															
Q31,33	Servo+B AVR	When Q33' base goes Hi, Servo+B AVR outputs 8.5V.															
Q40,42,45	Panel5V AVR	When Q42' 2pin goes Hi, anel5V AVR outputs 5V.															

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility									
Q41,43,44	Illumination AVR	When Q43' 2pin goes Hi, Ill AVR outputs 10.5V.									
Q50~52	SW16V (Surge Protection)	When Q51' 2pin goes Hi, SW16V outputs 13V.									
Q60	VFD (4.7V) AVR SW	When base goes Hi, VFD AVR off.									
Q61	Switching Regulator frequency control SW (IC60)	<table border="1"> <tr> <td>1pin \ 2pin</td> <td>L</td> <td>H</td> </tr> <tr> <td>L</td> <td>400kHz</td> <td>600kHz</td> </tr> <tr> <td>H</td> <td>650kHz</td> <td>850kHz</td> </tr> </table>	1pin \ 2pin	L	H	L	400kHz	600kHz	H	650kHz	850kHz
1pin \ 2pin	L	H									
L	400kHz	600kHz									
H	650kHz	850kHz									
Q62	Mecha digital AVR SW	When base goes Hi, Mecha digital AVR off. *DXM-680x : 4V, Other : 5V									
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.									
Q206	Ext Amp Control Buffer	It is buffer for IC102 output.									
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.									

COMPONENTS DESCRIPTION

● SWITCH UNIT (X16-354x-xx)

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"
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 (X32-5730-0x)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	μ -com for mechanism control	
IC2	LSI for CD signal processing +RF AMP	
IC4	BTL driver	SP,SL (including LO/EJ) motor and PU actuator
IC5	SW3.3V regulator	3.3V power supply for IC2, PU, and IC18 digital section
IC13	Audio active filter	Secondary LPF
IC14	A5V regulator	5V power supply for DAC
IC15	Compacted audio decoding DSP	AC drive decoder,MP3/WMA/AAC decoder
IC16	Compacted audio expanding SDRAM	
IC17	Decoder software, unique ID storage flash ROM	
IC18	Audio external 24-bit D-A converter	
IC19	BU3.3V regulator	3.3V power supply for μ -com
IC20	1.8V regulator	1.8V power supply for core section of IC15
IC21	Decoder/SDRAM/Flash ROM 3.3V regulator	3.3V power supply for port section of IC15, IC16 and IC17
Q1,4	Level shift (3.3V-5V) FET	

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q3,5,6	Level shift (3.3V-5V) transistor with 2 elements	
Q7	Level shift (3.3V-5V) transistor	
Q8	APC (Auto Power Control) transistor	
Q9,10	Transistor for preceding beam delaying SW during non-search	
Q11	A5V power supply constant circuit FET	
Q12,13	SW8V SW transistor	
Q14,15	SDRAM 3.3V power supply SW transistor	SDRAM power supply is turned off when /CSRST is "L".
D2	UPD63712GC built-in resetting terminal static protection diode	
D3	Protection diode for pick-up laser diode	
D4,D5	Diode for securing audio L-R reference voltage	
D6	Diode for control terminal's "L" confirmation for IC20 and IC21	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM MICROCOMPUTER : 30625MGPA78GP/30625MWPA79GP (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	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	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
14	CNVSS	-		
15	XCIN	I	Clock	32,768kHz
16	XCOU	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
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	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
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	
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	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
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
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

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
117	DSP RQ	O	Request to DSP	L : Request
117	NC	O	Not used when without DSP	Output L fixed
118	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	MD DET	I	For a terminal of MD receiver	
121	NC	O	Not used when CD	Output L fixed
122	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	

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

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

② PANEL MOTOR

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

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

③ PANEL MECHA

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

MICROCOMPUTER'S TERMINAL DESCRIPTION

● 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
33	$\overline{ROTARY CCW}$	I	Rotary A	1-pulse/2-click, 15-pulse/360°
34	$\overline{ROTARY CW}$	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	$\overline{KS5}$	I/O	Key scan	L : Output, Hi-Z : Switching
40~42	$\overline{KR1}$, $\overline{KR2}$, $\overline{KR3}$	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	$\overline{SYS DATA}$	I	Data reception from system μ -com	UART communication 500kbps
46	$\overline{PAN DATA}$	O	Data transmission from panel	UART communication 500kbps
47	$\overline{FL CLK}$	O	Fruorescent indicator serial communication reference clock	Reference clock 4.125MHz
48	$\overline{KR4 INT}$	I	Key return	Interruption possible
49	$\overline{FL DATA1}$	O	Fruorescent indicator serial control data	
50	$\overline{CLK IN3}$	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	$\overline{FL DATA2}$	O	Fruorescent indicator serial control data	
53	$\overline{CLK IN2}$	I	Serial synchronization clock	Synchronized to Fruorescent indicator CLK
54	FL LAT	O	Fruorescent indicator latch control	
55	$\overline{FL DATA3}$	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

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
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
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	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

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Function	Processing Operation
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	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	

● MECHANISM MICROCOMPUTER : 91CU27UG5UR8 (X32-573 : IC1)

Pin No.	Pin Name	I/O	Application	Processing Operation Description
1	VREFL	I	ADC reference power supply input terminal (L)	GND
2	DMUTE	O	Driver MUTE	L : STOP, H : MUTE OFF
3	CSRST	O	(Decoder) Resetting control	L : RESET, H : NORMAL
4	NC	O	Not used.	Open output L-fixed
5	LZM	I	0bit MUTE detection (Lch)	L : MUTE OFF, H : MUTE ON
6	RZM	I	0bit MUTE detection (Rch)	L : MUTE OFF, H : MUTE ON
7	BREQ	I	(Decoder) BREQ signal input	
8	DSPINT	I	(DSP) interruption signal input	H : Interruption
9	SREQ	O	(Decoder) SREQ signal output	
10	NC	O	Not used.	Open output L-fixed
11	S_DATA	O	(Decoder) Data output for serial data	
12	B_DATA	I	(Decoder) Data input for serial data	
13	CLK	O	(Decoder) Clock output for serial data	
14	DSPTXD1	O	(DSP) Data output for serial data	
15	DSPRXD1	I	(DSP) Data input for serial data	
16	DSPSCLK1	O	(DSP) Clock output for serial data	
17	AM0	-	ROM mode selection terminal	H : NORMAL, L : External ROM mode
18	DVCC	-	BU3.3V	
19	X2	O	Oscillator connection 26.88MHz	
20	DVSS	-	GND	
21	X1	I	Oscillator connection 26.88MHz	
22	AM1	-	H-fixed	
23	RESET	I	Reset detection	L : RESET H : NORMAL

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
24,25	NC	O	Not used.	Open output L-fixed
26	NMI	I	Non-maskable interruption Not used.	
27	ALE	O	Not used.	Open output prohibited (Hi-Z)
28	DSPSTB	O	(DSP) Data strobe signal output	
29	DSPA0	O	(DSP) Command parameter identification signal output	H : Transmitting parameter, L : Transmitting command
30	DSPRST	O	(DSP) Reset control	
31	NC	O	Not used.	Open output L-fixed
32	NC	O	Not used.	Open output L-fixed
33	SEARCH	O	Search condition output	H : In search, L : Normal (x2 : L-fixed)
34	LOE/LIM_SW	I	PU LIM detection SW	H : LIM
35~39	NC	O	Not used.	Open output L-fixed
40	POND3.3	O	D3.3V POWER ON control terminal	H : POWER ON
41	NC	O	Not used.	Open output L-fixed
42	PONCS	O	CS7410-series power supply control terminal	H:POWER ON
43~47	NC	O	Not used.	Open output L-fixed
48	DATA_MUTE	O	Data output status	L : DATA output MUTE
49	NC	O	Not used.	Open output L-fixed
50	NC (BOOT)	O	Mask : Not used. (output H) / Flash (write terminal)	(Flash) L : WRITE, H : NORMAL
51~53	NC	O	Not used.	Open output L-fixed
54	MUTE L	O	Lch audio MUTE control	L : MUTE ON
55	MUTE R	O	Rch audio MUTE control	L : MUTE ON
56	NC	O	Not used.	Open output L-fixed
57	SDA	I/O	(System μ -com) I2C data	
58	SCL	I/O	(System μ -com) I2C clock	
59	MSTOP	I	Standby restart interruption	L:STOP H:STOP release
60~62	AN0~AN2	I	TEST0~TEST2	PULL DOWN
63	UNQID	I	Unique ID write permission	L : Normal, H : During service write
64	AVCC	-	ADC power supply terminal	BU3.3V

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 re-started.

● 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 [▶▶] 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 playing MP3 / WMA / AAC disk, which contain 8 files or less, the first track and the following tracks are played in order.

- When [◀◀] 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 [◀◀] / [▶▶] key, the Fader is to be adjusted to the following 3 levels : R15 ↔ 0 ↔ F15 (The default value : 0)
- Using the VOL knob and [◀◀] / [▶▶] key, the Balance is to be adjusted to the following 3 levels : L15 ↔ 0 ↔ R15 (The default value : 0)
- Using the VOL knob and [◀◀] / [▶▶] 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 [◀◀] / [▶▶] key, the Fader can be adjusted in 3 steps : R15 ↔ 0 ↔ F15 (The initial value is 0)
- Using the VOL knob and [◀◀] / [▶▶] key, the Balance can be adjusted in 3 steps : L15 ↔ 0 ↔ R15 (The initial value is 0)
- Using the VOL knob and [◀◀] / [▶▶] 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 [◀◀] / [▶▶] key, the Sub Woofer Level can be adjusted in 3 steps : -15 ↔ 0 ↔ +15 (The initial value is 0)
- Using the VOL knob and [◀◀] / [▶▶] key, the Volume Offset can be adjusted in 2 steps : -8 ↔ 0 (The initial value is 0)
- Using the VOL knob and [◀◀] / [▶▶] 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 [◀◀] / [▶▶] 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 [◀◀] / [▶▶] key, the Volume Offset can be adjusted in 2 steps : -8 ↔ 0 (The initial value is 0)
- Using the VOL knob and [◀◀] / [▶▶] key, the Loudness ON/OFF can be adjusted in 2 steps : OFF ↔ ON (The initial value is OFF)
- Using the VOL knob and [◀◀] / [▶▶] 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 not appear in audio adjustments.

● MENU items

- Push the [NEXT] (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.

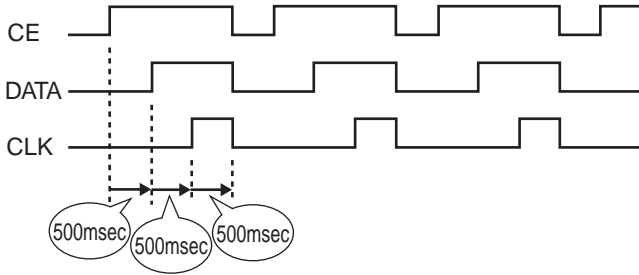
● Backup current measurement

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 * * *
[▶▶] key	AUDIO data default value setting (Display) AUDIO_INIT
[◀◀] 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)
[▶▶] 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

	<p>Displays I2C communication status and CD mechanism error log (Display) I2C_●●_____</p> <p>(Display) ERR_1-▲▲, 2-▲▲, 3-▲▲</p> <p>“OK” or “NG” is displayed for “●●”. / “--” or an error code is displayed for “▲▲”.</p>
	<p>Displays CD loading error data. (Display) Load_Error_____</p> <p>(Display) __ (1) xx__ (2) xx (number of times is displayed for “xx”) MAX 99 (times)</p> <p>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].</p>
[AM] key ↑	<p>Displays CD ejection error data. (Display) Eject_Error_____</p> <p>(Display) __ (1) xx__ (2) xx</p> <p>(Display) __ (3) xx__ (4) xx (number of times is displayed for “xx”) MAX 99 (times)</p> <p>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.</p>
[FM] key ↓	<p>Displays CD time code count error data (missing count). (Display) Count_Lose</p> <p>(Display) __CDDA_ : xx</p> <p>(Display) __CDROM : xx (number of times is displayed for “xx”) MAX 99 (times)</p> <p>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.</p>
	<p>Displays CD time code count error data (count not updated). (Display) Count_Stay</p> <p>(Display) __CDDA_ : xx</p> <p>(Display) __CDROM : xx (number of times is displayed for “xx”) MAX 99 (times)</p> <p>When the time code is not renewed for 2 or more seconds, record the number of times occurred as error data (skipped sound).</p>

● Initializing AUDIO-related value setting

During STANDBY sourcing, by pressing [▶▶1] 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 while 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 starting 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 [\rightarrow] (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___:×
```

When all initialization NG.

```
CD_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 (KDC-X790)

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 (KDC-X790)

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.

• How to register the security code on the “Car Audio Passport” after replacement of the E2PROM (F/E) (KDC-W8534/W8534Y)

1. Enter the test mode. (Refer to the section on “How to Enter the Test Mode.”)
2. Enter the MENU by long pressing [△] (NEXT) key for one second.
While “Security” is being displayed, press [▶▶I] key for at least 1 second and enter the security registration mode.
3. Using [FM] / [AM] / [◀◀I] / [▶▶I] keys, enter the code.
[FM] key : Number up / [AM] key : Number down
[▶▶I] key : Cursor Right / [◀◀I] key : Cursor Left
4. Press [▶▶I] key for at least 3 seconds to display “RE-ENTER”. Then, re-enter the code using the method in above No. “3”.
5. Press [▶▶I] key for at least 3 seconds to display “APPROVED”.
6. Release the test mode. (Refer to the section on “How to Release the Test Mode.”)

Note : The security code for this model cannot be deleted by “all clear” command.

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 IC2V1 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).

DC OFFSET ERROR

* 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).

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.

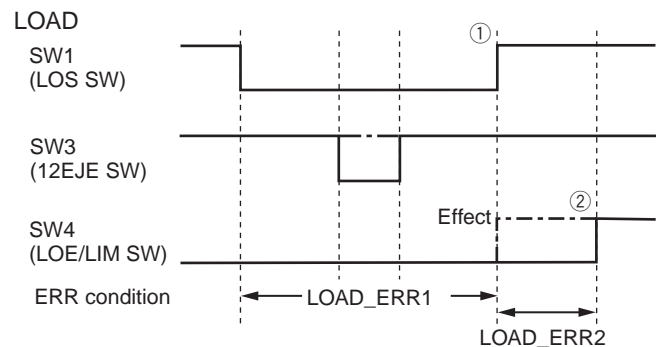
LOAD error recording shall be done in 2 patterns, by the SW status illustrated below.

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).

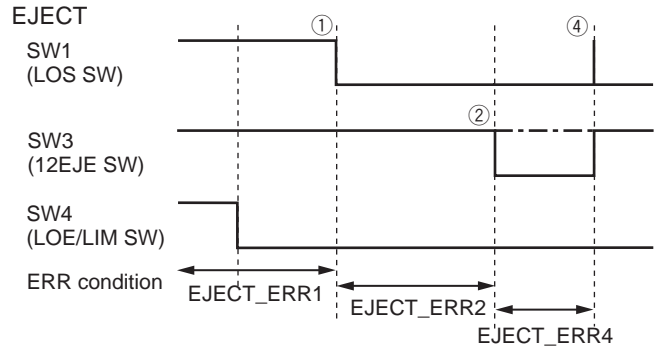
EJECT error is established when EJECT operation is not completed after EJECT operation is started before the protect timer count is completed (False EJECT, or ejection with no CD, is considered as exception and is not recorded).

(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 with DSP] KDC-W8534/W8534Y

- Calling and saving the configuration is done by the multi-function key.

- Items to be saved are Cabin, Speaker, EQ, X' over, D.T.A., and Sub Woofer Level (Refer to the separate document for more detail).

Only one setting can be saved for each item.

(EQ setting 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 “INSTALLER”.

(EQ setting can be changed for each source, but not reflected to EQ settings of sources other than where the calling operation was carried out.)

INSTALLER MEMORY SPECIFICATIONS

- 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 Cabin, Speaker, EQ, X' over, D.T.A., and Sub Woofer Level, the saved memory is reflected (EQ setting initial setting value memory is reflected in all sources).

[NOTE] By such, EQ curve initial setting shall always be "INSTALLER". (NOT "NATURAL" or "FLAT".)

[Models without DSP] KDC-X790

- 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 speci-

fication, 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").

USER MEMORY SPECIFICATION (*only with with-DSP models)

In with-DSP models, audio-settings set by users' preference, as well as the setting by the installer, can be saved into the E2PROM. 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 memory is saved separately from the installer memory.)

- Calling and saving the configuration is done by the multi-function key.
- Items to be saved are Cabin, Speaker, EQ, X' over, D.T.A.,

and Sub Woofer Level (Refer to the separate document for more detail).

Only one setting can be saved for each item (EQ setting 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". (EQ setting can be changed for each source, but not reflected to EQ settings of sources other than where the calling operation was carried out.)

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.

HOW TO WRITE THE UNIQUE ID

1. Introduction

The Unique ID is an identification code allocated to each DXM-680x mechanism unit. When written to the mechanism unit, the ID is stored in the Flash memory area, managed by the DSP.

During servicing of the unit, if and when the mechanism assembly is replaced, the Unique ID of the old unit should be written to the new mechanism assembly. At the same time, after moving the Unique ID, the ID seal must also be moved. The descriptions herein concern writing Unique ID, using the functions of the DXM-680x mechanism. It is possible to easily re-write the Unique ID of the mechanism, using this function.

2. Unique ID

The Unique ID is an identification code allocated to each DXM-680x mechanism unit. This ID is consisted of 8-digit hexadecimal numbers.

Example : 9F346D22, 352899AC, etc.

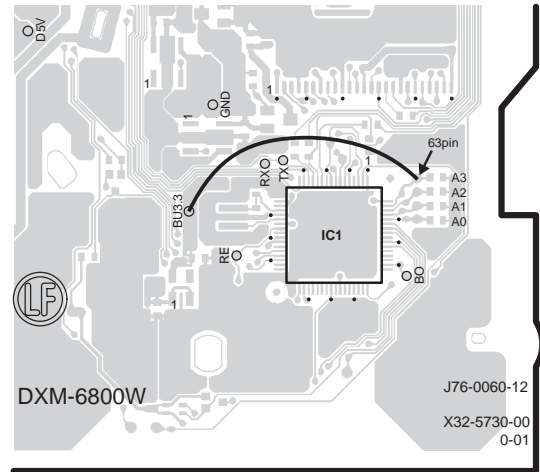
The ID number seal is placed on top of the mechanism cabinet. The 8-digit numbers and characters are the Unique ID assigned to the mechanism. The Unique ID can be confirmed in the MENU mode.

3. How to write the Unique ID, using the unit

In this section, the procedure for writing the Unique ID with the unit is explained. Since this procedure is realized by putting the mechanism into a special mode, the unit must first be reset, immediately before conducting the procedure. At the same time, the display mode of the unit must be set to P-Time, prior to shifting into the write mode. Unless set to P-time, 5 seconds after shifting into the write mode, ID digits and ID numbers will be stopped from displaying.

3.1. How to shift into the Unique ID writing mode using the unit

Procedure 1. Set the 63pin of the mechanism microcomputer (TMP91CU27) to High.
(Connect X32 : IC1 63pin and Back Up 3.3V with a lead.)



Procedure 2. Reset the mechanism microcomputer and boot it up again.

(Resetting the mechanism microcomputer and booting it up again can be achieved by cutting off ACC and Back Up power supply once and then re-starting the unit.)

Procedure 3. Insert a CD and use it as a source (i.e. let the unit start reading the Disc.)

Procedure 4. This completes the start up on Unique ID Write mode.

After shifting into the Unique ID Write mode, the display will be as shown in the figure below.

(In the Unique ID Write mode, actually, ② is displayed first and, after pressing FF key once in the Write mode, ① is displayed.)



Figure1. Initial display of the Unique ID Write mode

Where,

① Unique ID

The contents of what are indicated by x : xx in the time code is the actual contents of the Unique ID.

In sections of minutes : seconds, the Unique ID is indicated in decimal numbers.

HOW TO WRITE THE UNIQUE ID

The table below is the correspondence between the decimal and hexadecimal numbers.

Decimal numbers	00	01	02	03	04	05	06	07
Hexadecimal numbers	0	1	2	3	4	5	6	7
Decimal numbers	08	09	10	11	12	13	14	15
Hexadecimal numbers	8	9	A	B	C	D	E	F

The Unique ID indicated in the [minutes] section is the target Unique ID of the current procedure for writing the ID. The Unique ID in the [seconds] section indicates the next Unique ID that is to replace the current Unique ID. The digit numbers of the Unique ID will be displayed in the Track Number section of ②.

② Unique ID digit number :

The digit numbers of the Unique ID are numbered 1, 2, 3, from the left side of the Unique ID.

The contents indicated by T-xx in the track number section are the digit number of the Unique ID displayed currently in ①. The first digit is the digit number of the Unique ID, which is currently worked upon and displayed in the [minute] section of the time code. The second digit is the next digit number of the Unique ID, which is indicated in the [seconds] section of the time code. The values of the T-xx will be changed as the target of the changed Unique ID is moved in the following manner : T-12 → T-23 → T-34 → T-45 → T-78 → T-81 → ... The value in the higher digit (i.e. "1" of T-12, for example) is the current target for change in the Unique ID.

After the Unique ID has been changed in all of its digits and as the writing takes place, the progress condition of writing is indicated in the ② section.

The display contents are;

- T-99 : Unique ID writing in progress.
- T-11 : Unique ID Writing complete (success)
- T-22 : Unique ID Writing complete (failure)

Procedure 5. Changing Unique ID write contents

Using Track Up/Down Key, Unique ID contents is changed.

(In this unit, CONTROL Key is pushed to the left or right.)

Using FF/FR Key, Unique ID digit to be worked upon is changed.

(In this unit, the CONTROL Key is pushed 1 second or more to the left or right)

Procedure 6. Final write contents is determined and written to the mechanism.

Using Pause key, the ID is written. (In this unit, the center section of the CONTROL Key is to be pressed.)

Procedure 7. 63pin of the mechanism microcomputer (TMP91CU27) is set back to Low.

(Connection lead is removed.)

Procedure 8. Reset the mechanism microcomputer, and start it up.

(Resetting the mechanism microcomputer and booting it up again can be achieved by cutting off ACC and Back Up power supply once and then re-starting the unit.)

Procedure 9. Insert a Compact Disc (CD) and select CD as the source. This determines the type of media to be played. Then, select from the MENU of the unit "ACD Unique ID." This is done to confirm on the write content of the Unique ID.

When re-doing the procedure, start from Procedure 1 again.

3.2. How to change the Unique ID write content: Explanation on the Procedures 5-6.

When shifting to the Unique ID Write mode, the display will be as shown in Figure 1. This is the beginning of writing. At this point, as has been indicated above, the digit for 10's in the T-xx is the Unique ID digit which is subject for change and its contents is shown in the [minutes] section of the time code.

Then, actual change procedure is as follows :

The table below shows the keys to be used.

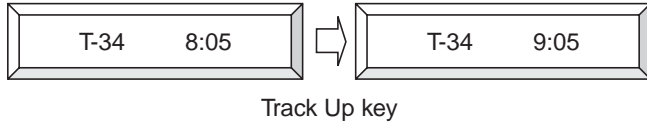
Track Up key	Push the CONTROL Key to left	Unique ID contents +1 of digit which is currently subject to change.
Track Down key	Push the CONTROL Key to right	Unique ID contents -1 of digit which is currently subject to change.
FF key	Push the CONTROL Key to left for more than 1 second.	Digit subject to change +1
FR key	Push the CONTROL Key to right for more than 1 second	Digit subject to change -1
Pause key	Push the CONTROL Key at center	Writing Unique ID

Table1. Key to be used in Unique ID Writing mode

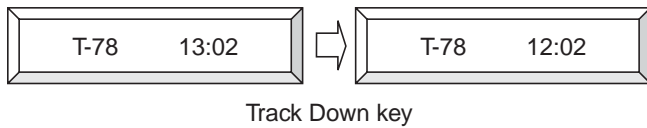
HOW TO WRITE THE UNIQUE ID

3.3. Example of the case of ID to be written is “94850ED2”

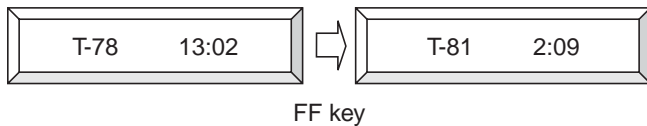
(Example1). Subject digit of the Unique ID to be changed +1
The subject digit is 3, 3 digit Unique ID is 08 (hexadecimal : 8), the value +1 is 09 (hexadecimal : 9).



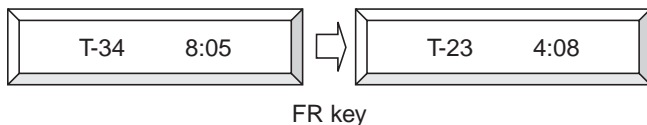
(Example2). Subject digit of the Unique ID to be changed -1
The subject digit is 7, 7 digit Unique ID is 13 (hexadecimal : D), the value -1 is 12 (hexadecimal : C).



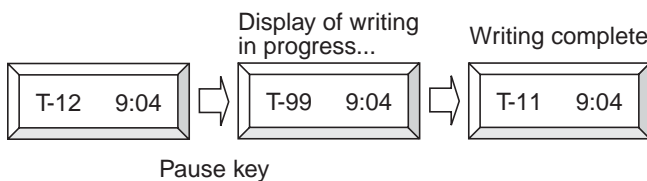
(Example3). Digit subject to change +1
The current digit subject to change is 7, digit subject to change +1 is 8.



(Example4). Digit subject to change -1
The current digit subject to change is 3, digit subject to change -1 is 2.



(Example5). Determination of Unique ID (Writing)

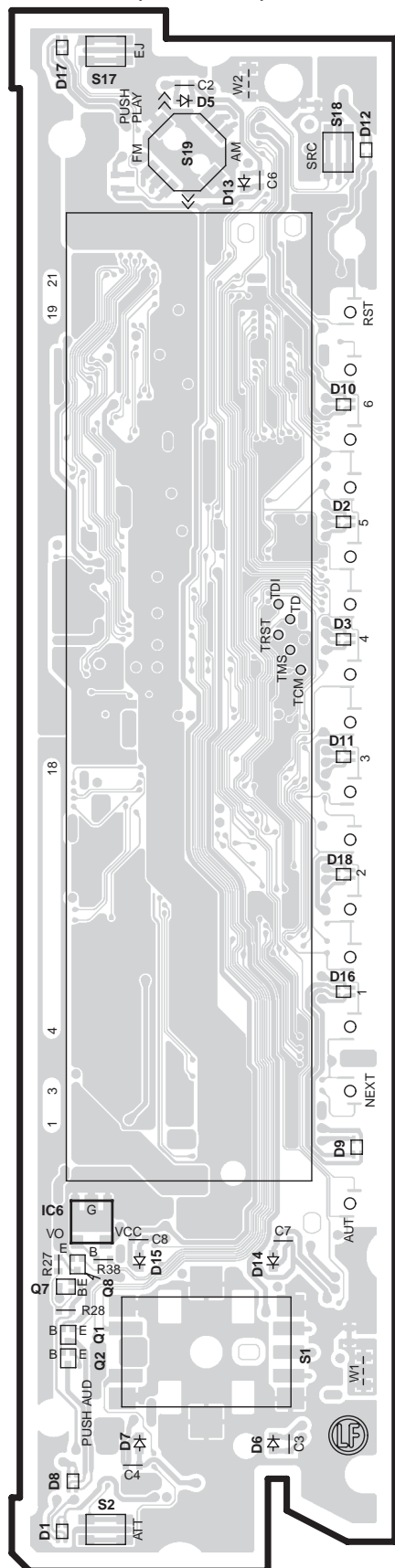


4. Note :

- When in the Unique ID Write mode, the written Unique ID is not displayed. The terminal of the mechanism microcomputer must be put back to what it was before (63pin to Low). Then, reset the microcomputer and re-boot it for confirming the newly written Unique ID is correct.
How to view the Unique ID
 - ① Boot in normal mode (Not the Write mode)
 - ② Insert a CD and set the CD as the source
 - ③ When reading CD is complete and the media is determined, select “ACD ID” from the unit MENU.
- After writing the Unique ID on the current mechanism, transfer the ID number seal from the old mechanism.
- In order to start the special mode (Unique ID Write mode), the 63pin must be changed to High for mode change. When doing this, BU3.3V should be connected as the power supply. In the special mode, when reset, the setting must be changed to High. Unless this is done, the mode does not work. Therefore, the setting must be completed as indicated.

PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT
X16-354x-xx (J76-0054-22)



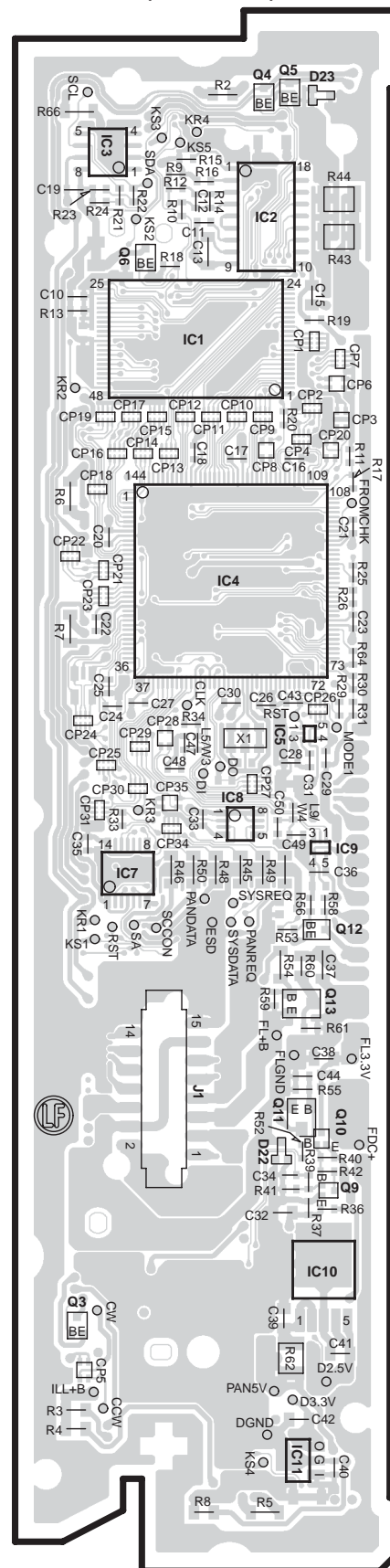
X16-354x-xx

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

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

(FOIL SIDE VIEW)

SWITCH UNIT
X16-354x-xx (J76-0054-22)

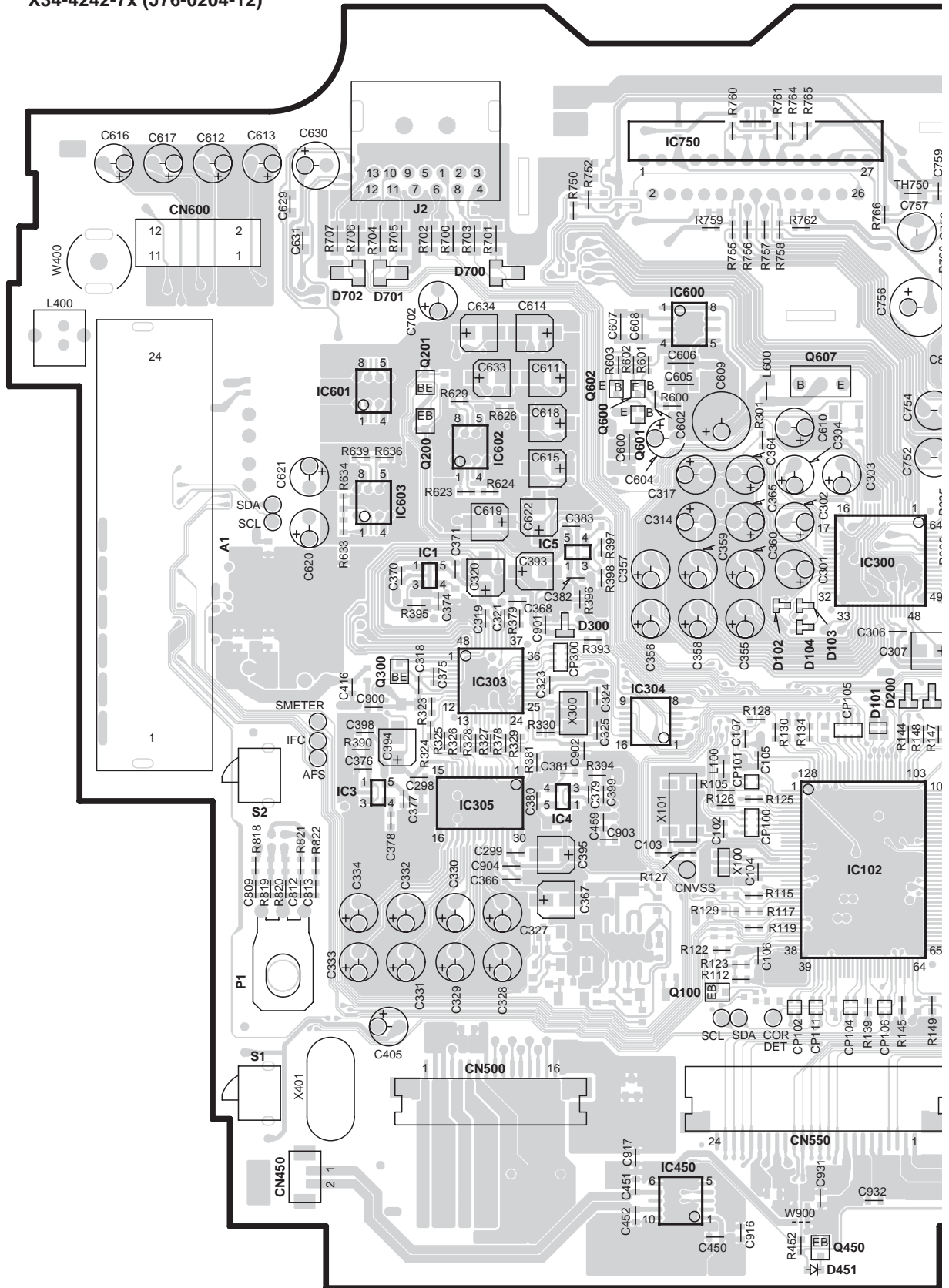


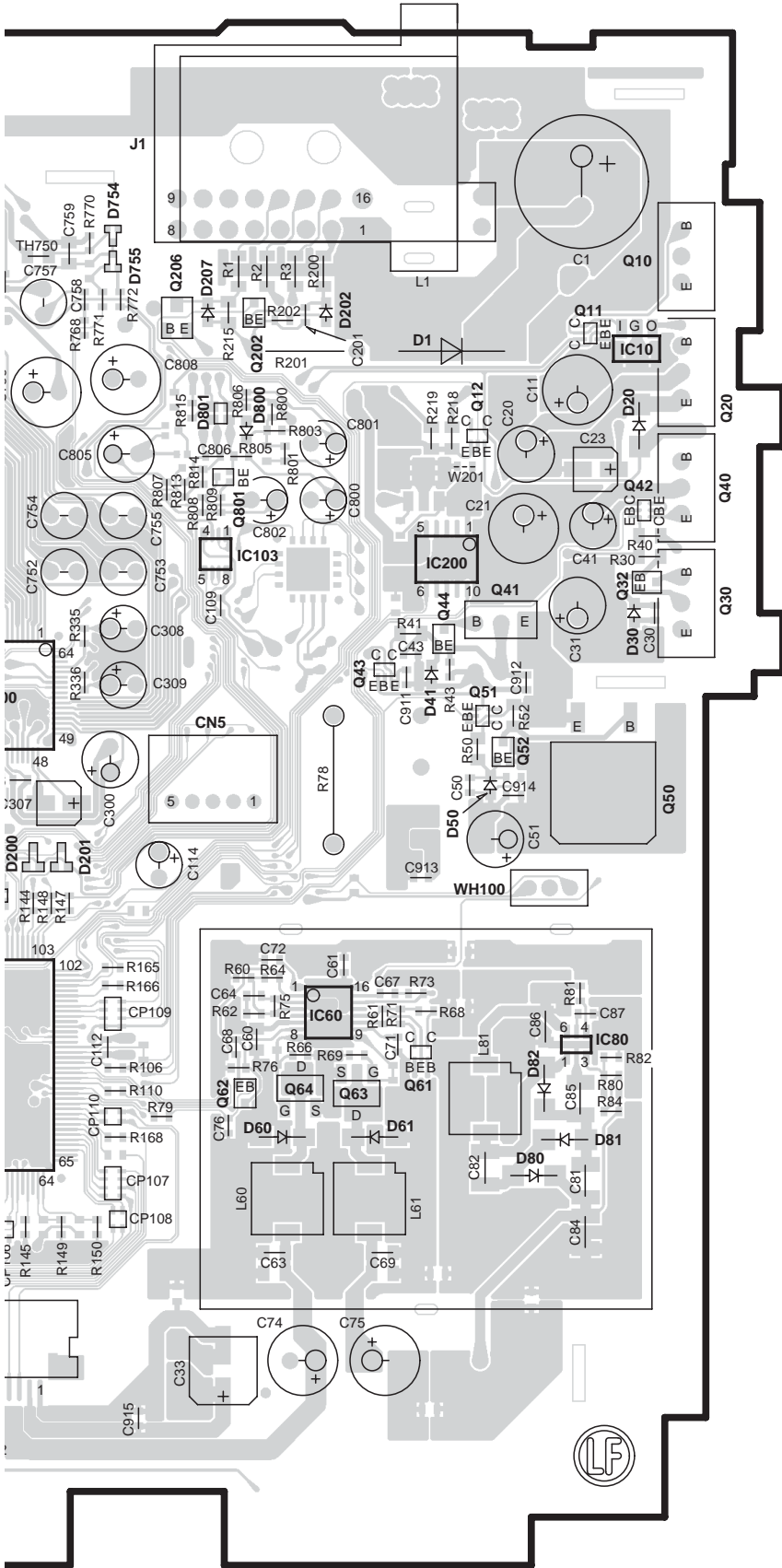
X16-354x-xx

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

PC BOARD (COMPONENT SIDE VIEW) for KDC-W8534/W8534Y

ELECTRIC UNIT
X34-4242-7x (J76-0204-12)





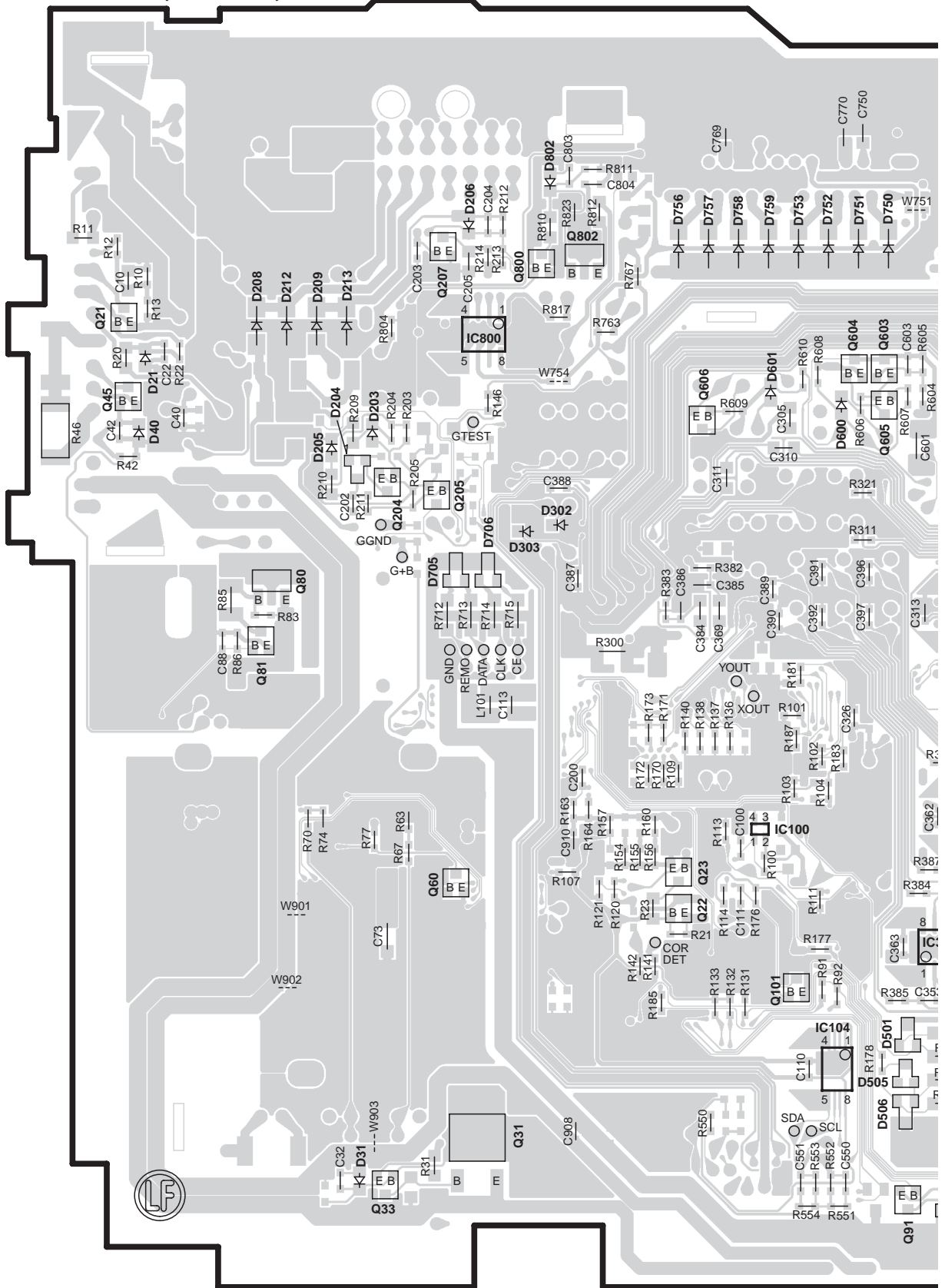
X34-4242-7x

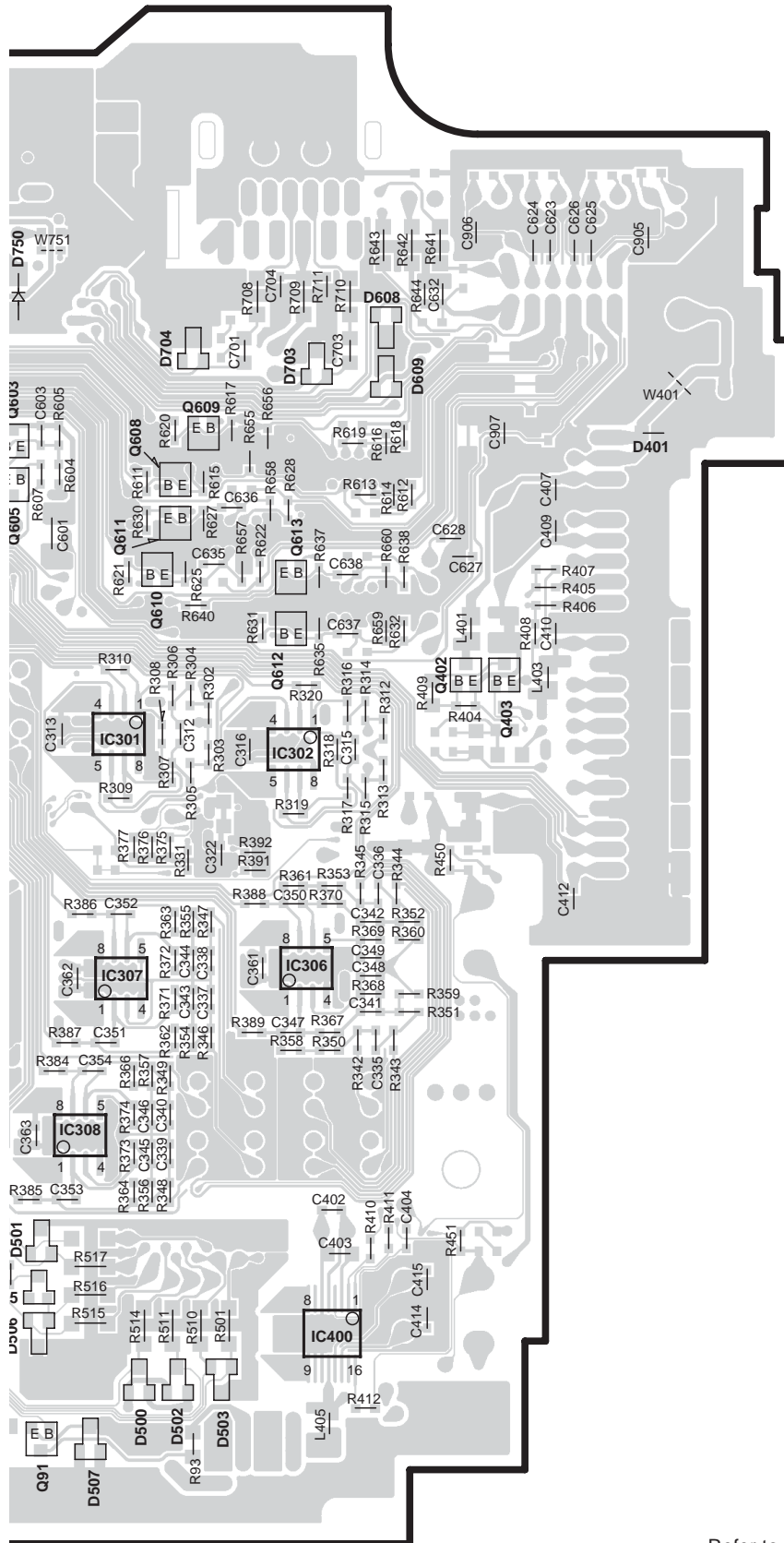
Ref. No.	Address	Ref. No.	Address
IC1	4H	Q32	3M
IC3	5H	Q40	3M
IC4	5I	Q41	3L
IC5	4I	Q42	3M
IC10	3M	Q43	4L
IC60	5L	Q44	4L
IC80	5M	Q50	4M
IC102	5J	Q51	4L
IC103	3K	Q52	4L
IC200	3L	Q61	5L
IC300	4J	Q62	5K
IC303	4H	Q63	5L
IC304	4I	Q64	5L
IC305	5H	Q100	6I
IC450	6I	Q200	3H
IC600	3I	Q201	3H
IC601	3H	Q202	3K
IC602	3I	Q206	2K
IC603	4H	Q300	4H
IC750	2I	Q450	7J
Q10	2M	Q600	3I
Q11	2M	Q601	3I
Q12	3L	Q602	3I
Q20	3M	Q607	3J
Q30	3M	Q801	3K

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

PC BOARD (FOIL SIDE VIEW) for KDC-W8534/W8534Y

ELECTRIC UNIT
 X34-4242-7x (J76-0204-12)





X34-4242-7x

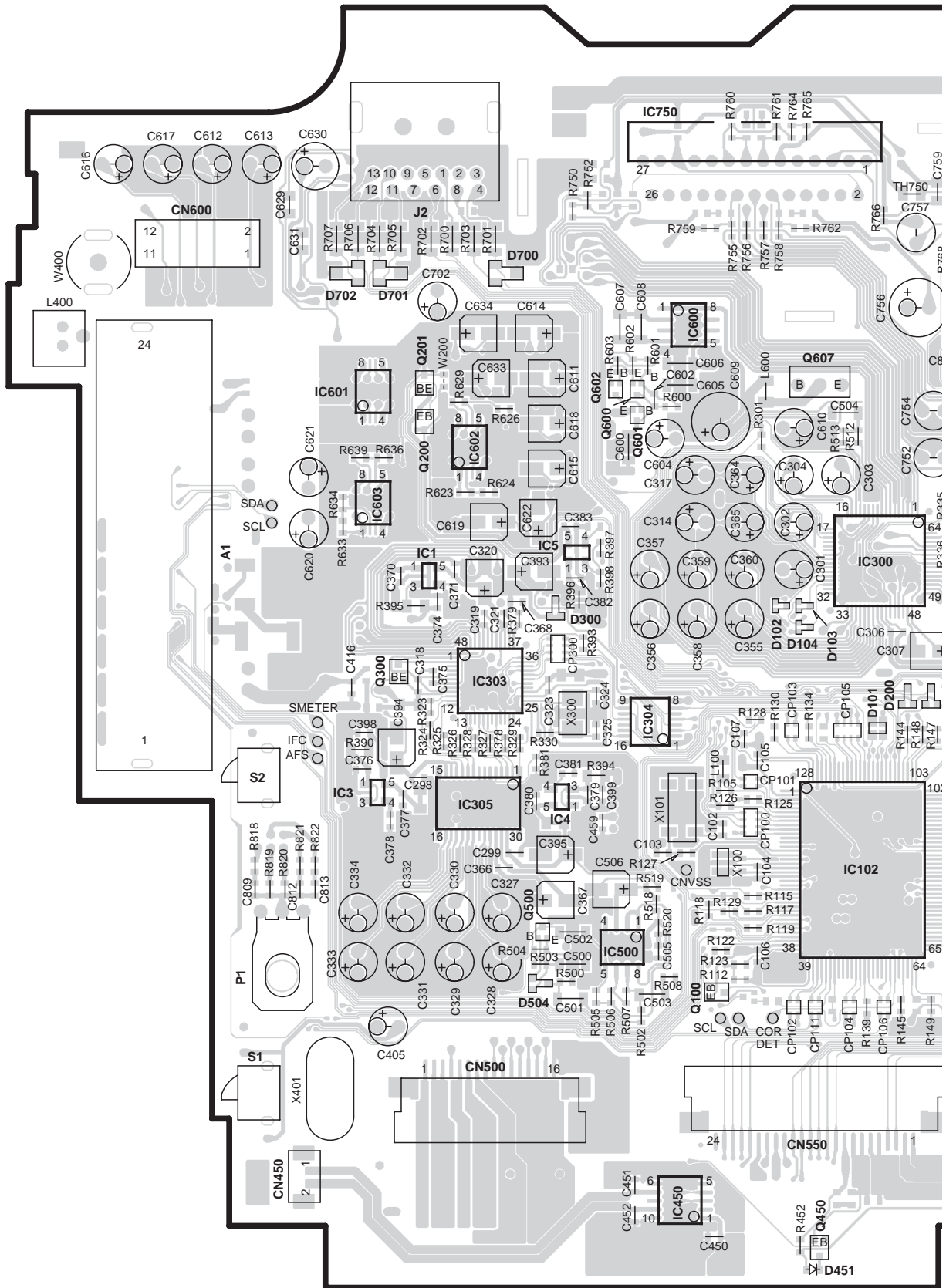
Ref. No.	Address	Ref. No.	Address
IC100	5T	Q101	6T
IC104	6T	Q204	4R
IC301	4U	Q205	4R
IC302	4V	Q207	3R
IC306	5V	Q402	4V
IC307	5U	Q403	4V
IC308	6U	Q603	3T
IC400	6V	Q604	3T
IC800	3R	Q605	3T
Q21	3Q	Q606	3S
Q22	5S	Q608	3U
Q23	5S	Q609	3U
Q31	6R	Q610	4U
Q33	7R	Q611	3U
Q45	3Q	Q612	3U
Q60	5R	Q613	3V
Q80	4R	Q800	3S
Q81	4R	Q802	2S
Q91	7T		

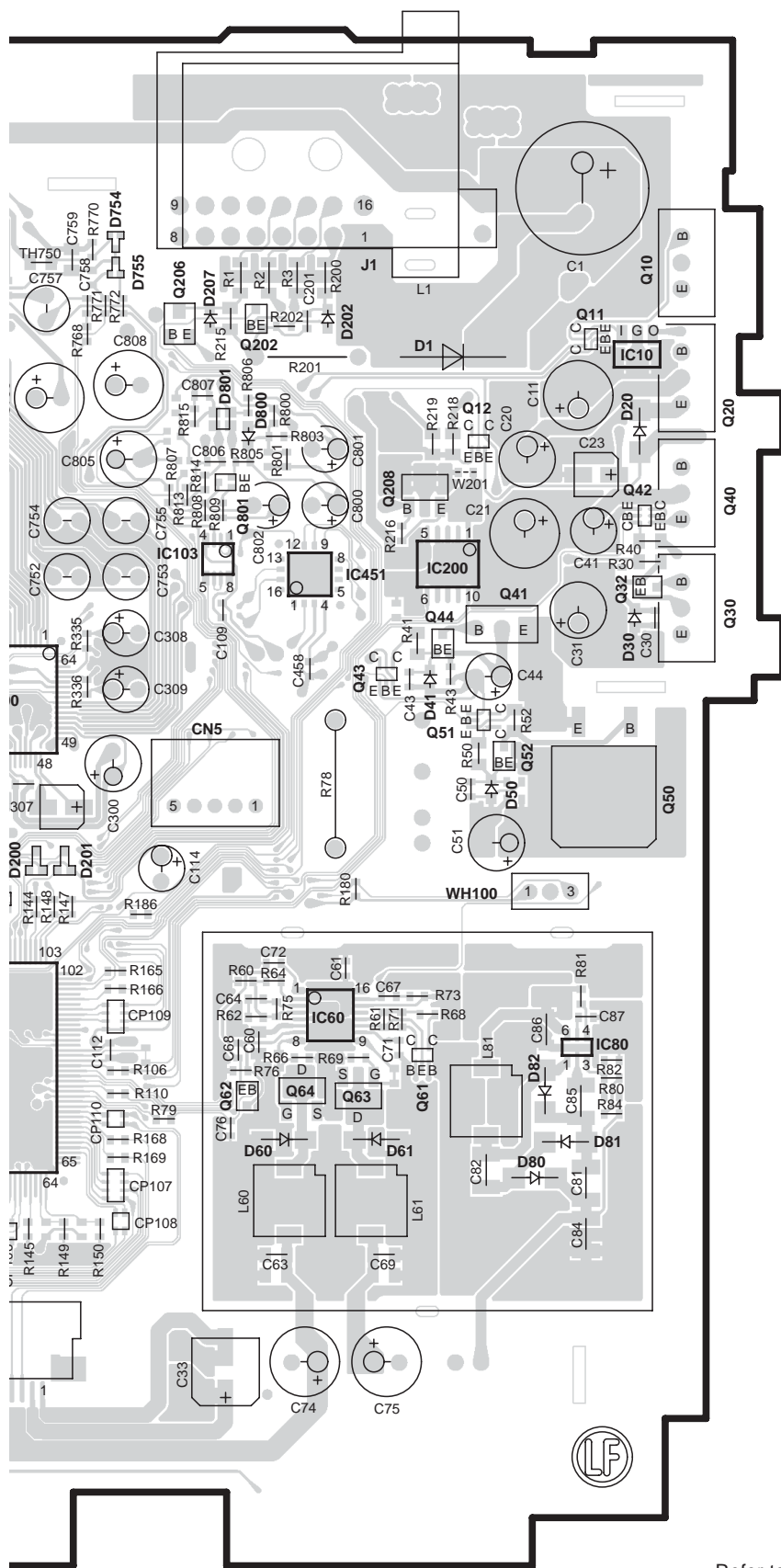
Refer to the schematic diagram for the values of resistors and capacitors.

KDC-W8534/W8534Y
KDC-X790

PC BOARD (COMPONENT SIDE VIEW) for KDC-X790

ELECTRIC UNIT
X34-3730-12 (J76-0053-22)





X34-3730-12

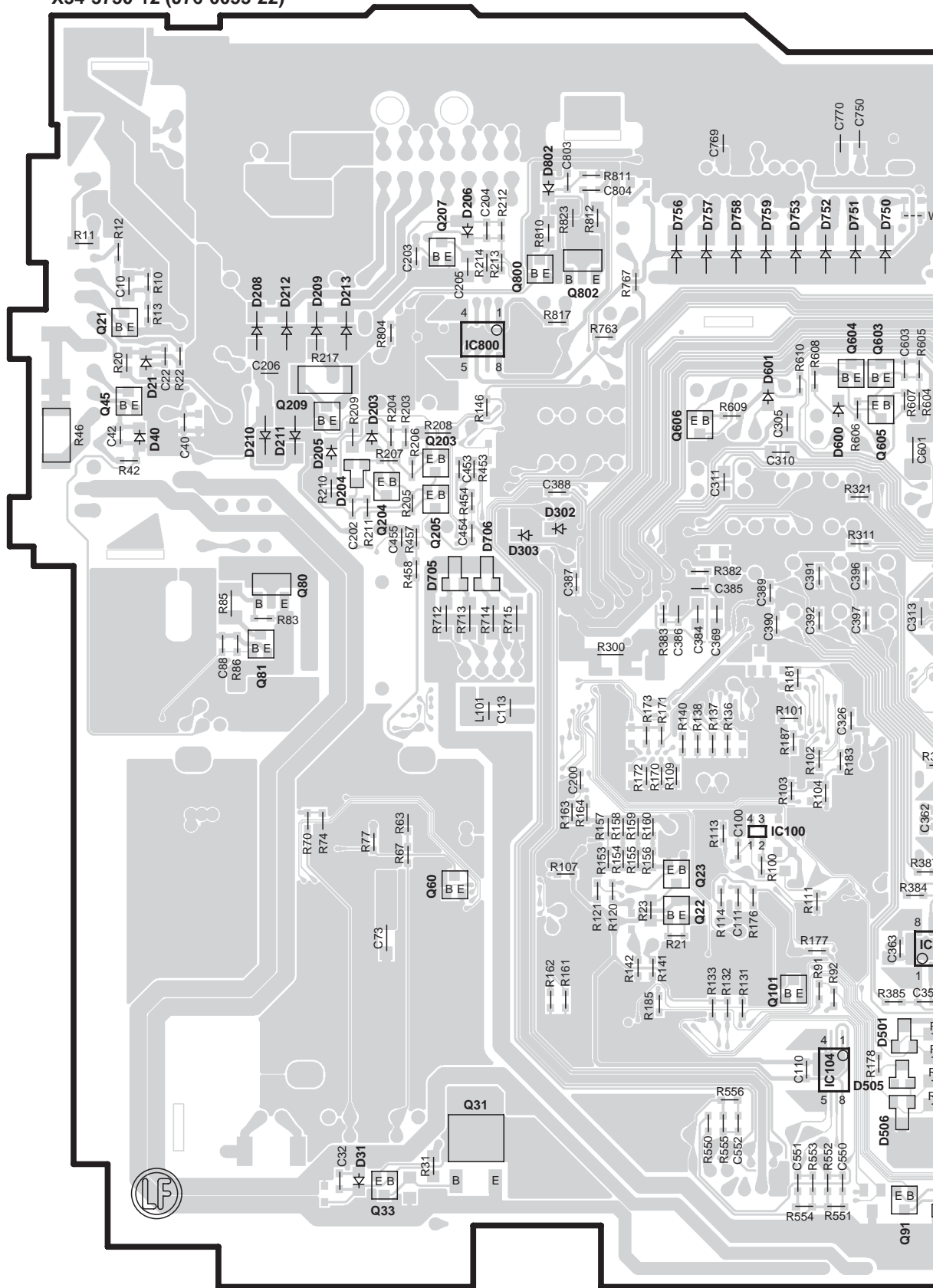
Ref. No.	Address	Ref. No.	Address
IC10	3AG	Q42	3AG
IC60	5AF	Q43	4AF
IC80	5AG	Q44	4AF
IC102	5AD	Q50	4AG
IC103	3AE	Q51	4AF
IC200	3AF	Q52	4AF
IC300	4AD	Q61	5AF
IC450	7AC	Q62	5AE
IC451	3AF	Q63	5AF
IC600	3AC	Q64	5AF
IC601	3AB	Q100	6AC
IC602	3AB	Q200	3AB
IC603	4AB	Q201	3AB
IC750	2AC	Q202	3AE
Q10	2AG	Q206	2AE
Q11	2AG	Q208	3AF
Q12	3AF	Q450	7AD
Q20	3AG	Q600	3AC
Q30	4AG	Q601	3AC
Q32	3AG	Q602	3AC
Q40	3AG	Q607	3AD
Q41	3AF	Q801	3AE

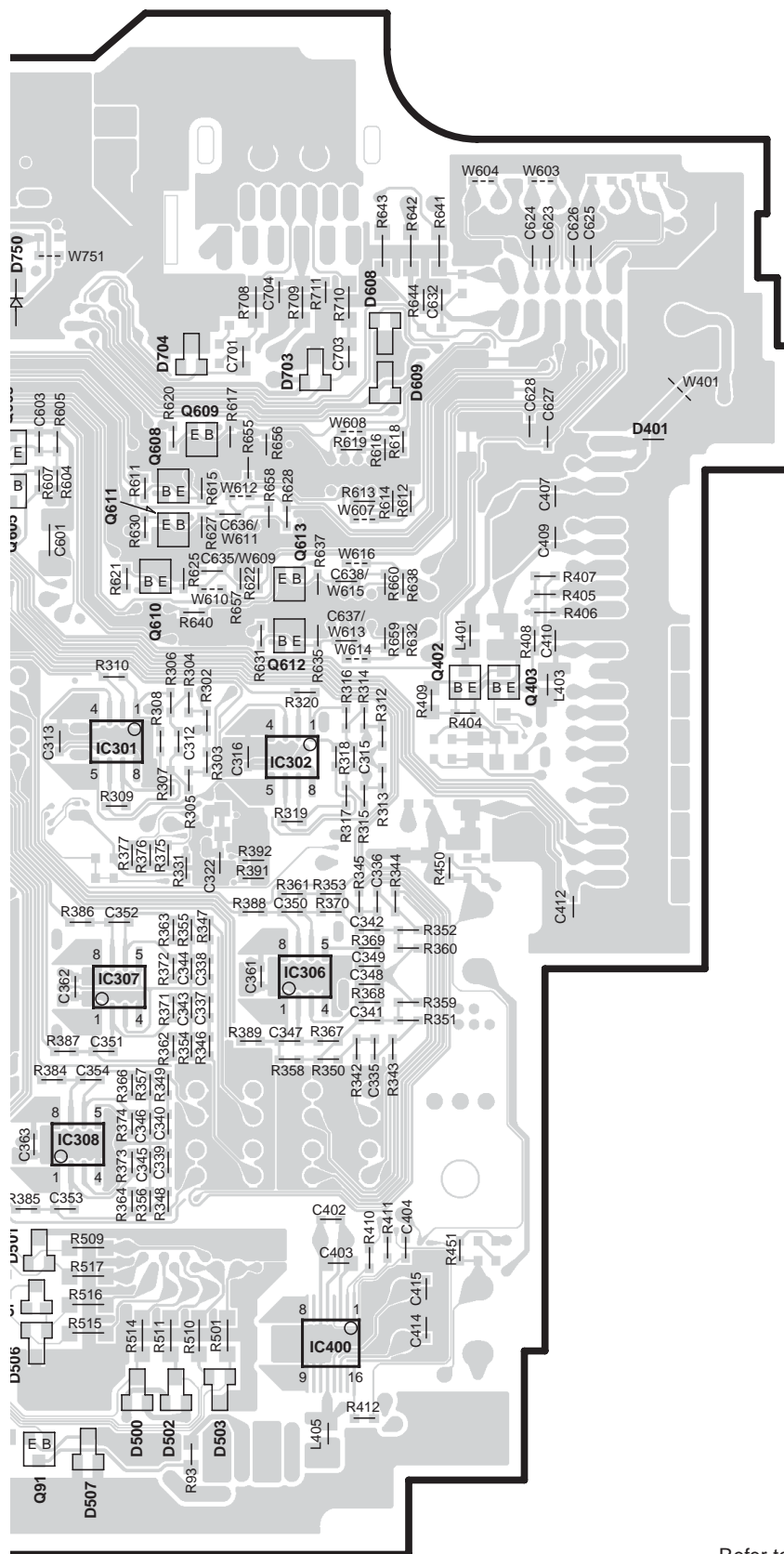
Refer to the schematic diagram for the values of resistors and capacitors.

KDC-W8534/W8534Y
KDC-X790

PC BOARD (FOIL SIDE VIEW) for KDC-X790

ELECTRIC UNIT
X34-3730-12 (J76-0053-22)





X34-3730-12

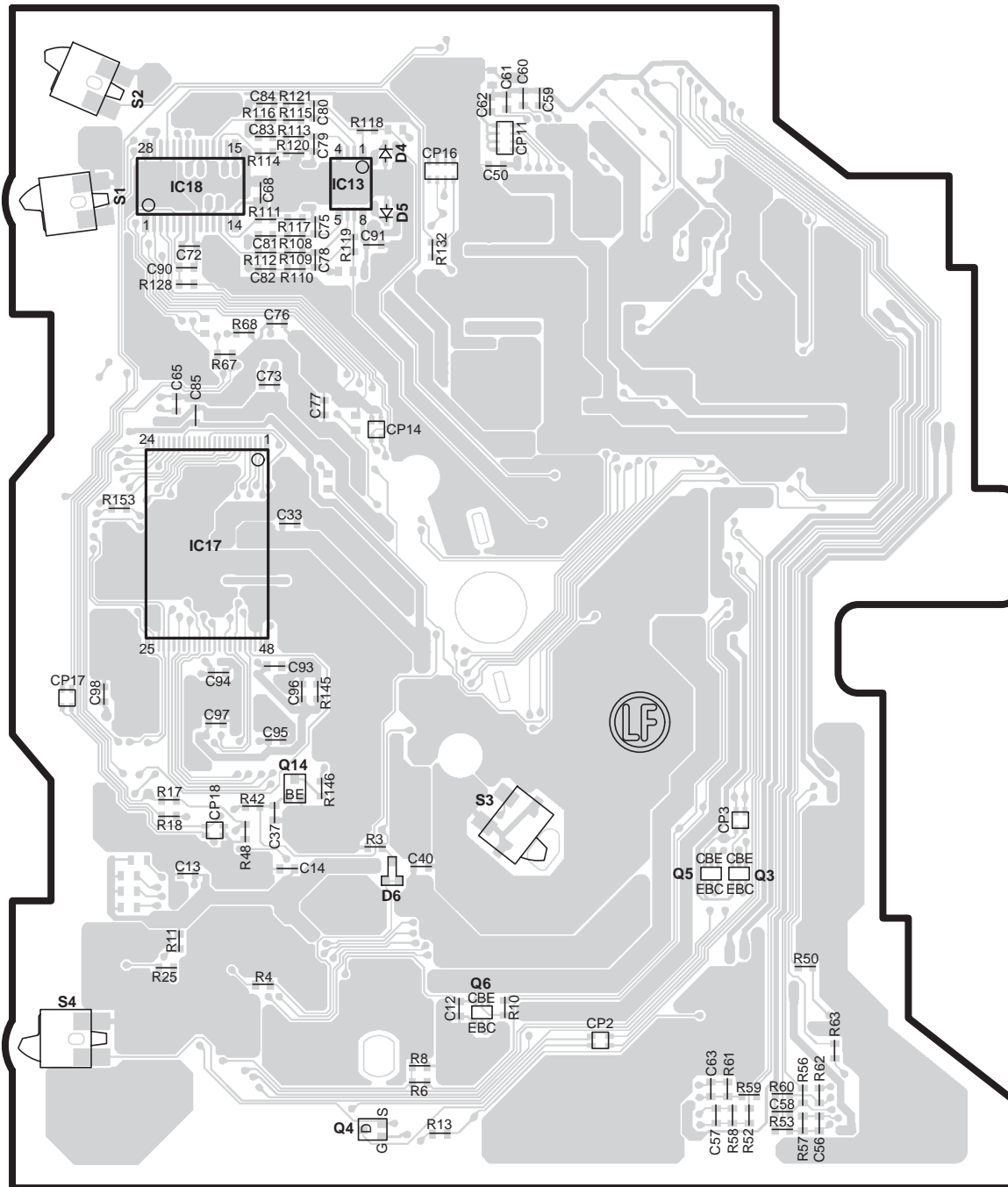
Ref. No.	Address	Ref. No.	Address
IC100	5AN	Q207	2AL
IC104	6AN	Q209	3AL
IC400	6AP	Q402	4AP
IC800	3AL	Q403	4AP
Q21	3AK	Q603	3AN
Q22	5AM	Q604	3AN
Q23	5AM	Q605	3AN
Q31	6AL	Q606	3AM
Q33	7AL	Q608	3AO
Q45	3AK	Q609	3AO
Q60	5AL	Q610	4AO
Q80	4AL	Q611	3AO
Q81	4AL	Q612	4AO
Q91	7AN	Q613	3AP
Q101	6AN	Q800	3AM
Q204	4AL	Q802	3AM
Q205	4AL		

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

KDC-W8534/W8534Y
KDC-X790

PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT X32-5730-0x (J76-0060-12)



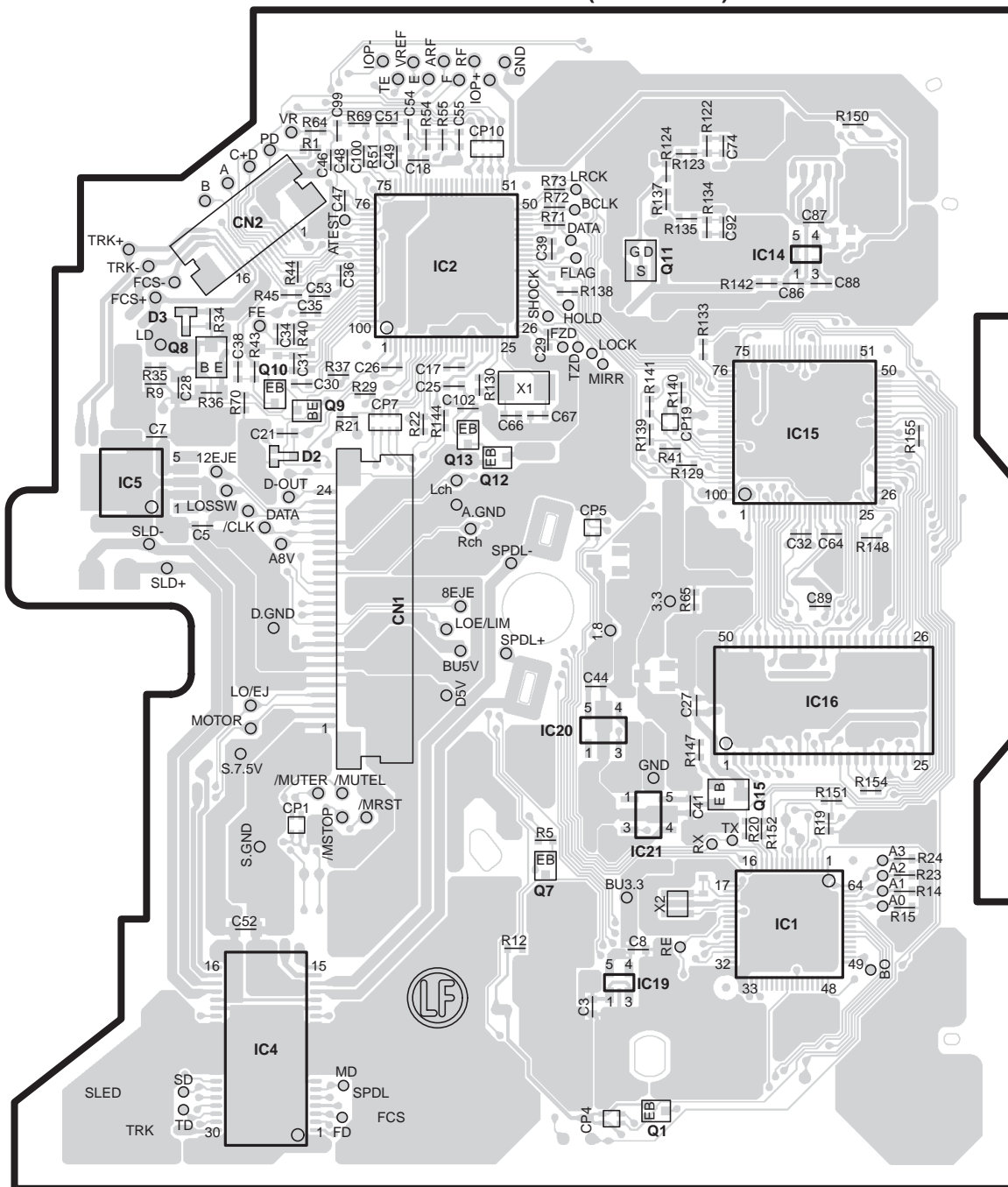
X32-5730-0x

Ref. No.	Address
IC13	2AV
IC17	3AU
IC18	2AU
Q3	5AW
Q4	6AU
Q5	5AW
Q6	5AV
Q14	4AU

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

PC BOARD (FOIL SIDE VIEW)

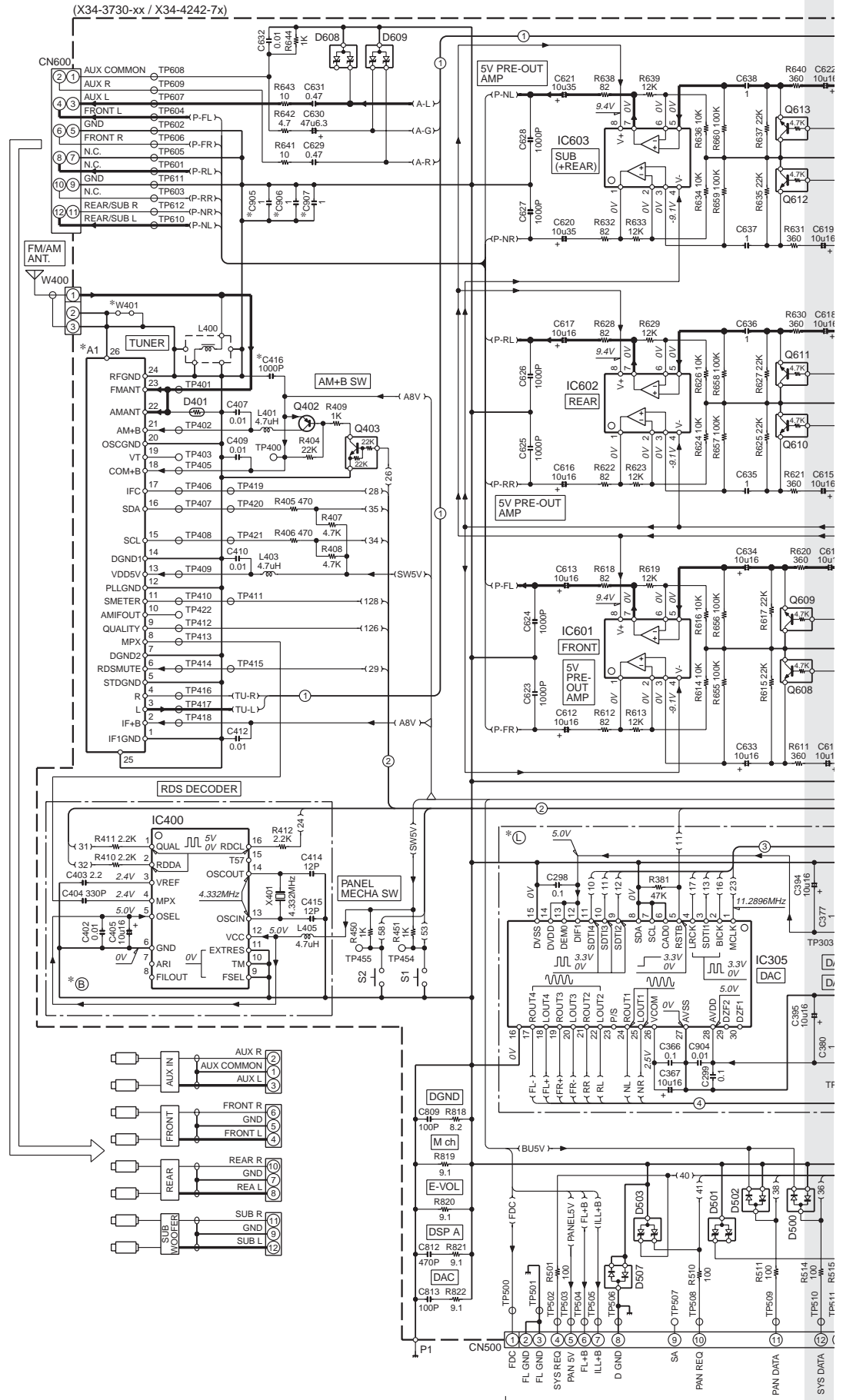
CD PLAYER UNIT X32-5730-0x (J76-0060-12)



X32-5730-0x

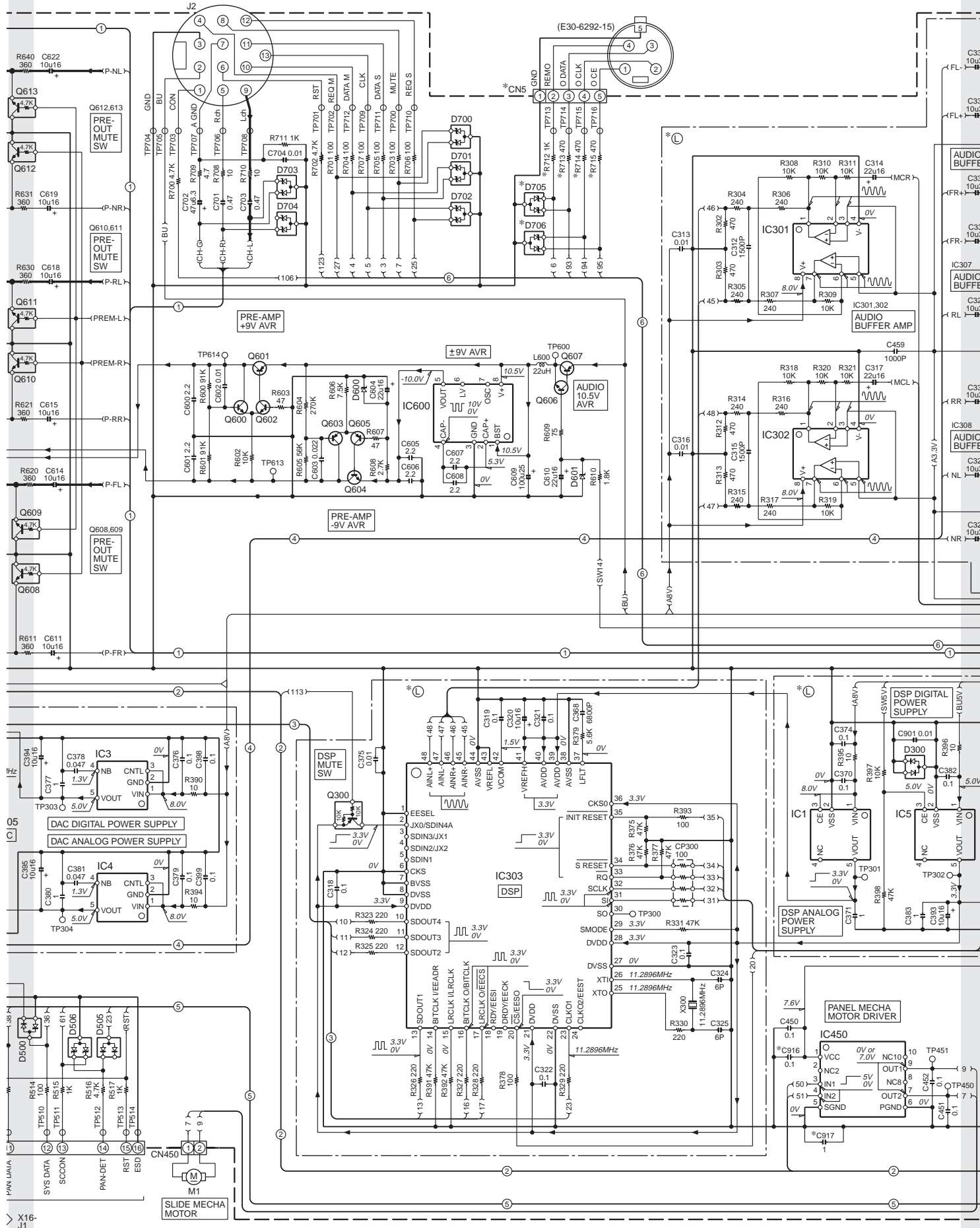
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	5BB	IC19	5BA	Q10	3AZ
IC2	2BA	IC20	4BA	Q11	2BA
IC4	5AZ	IC21	5BA	Q12	3BA
IC5	3AY	Q1	6BA	Q13	3BA
IC14	2BB	Q7	5BA	Q15	4BB
IC15	3BB	Q8	3AY		
IC16	4BB	Q9	3AZ		

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

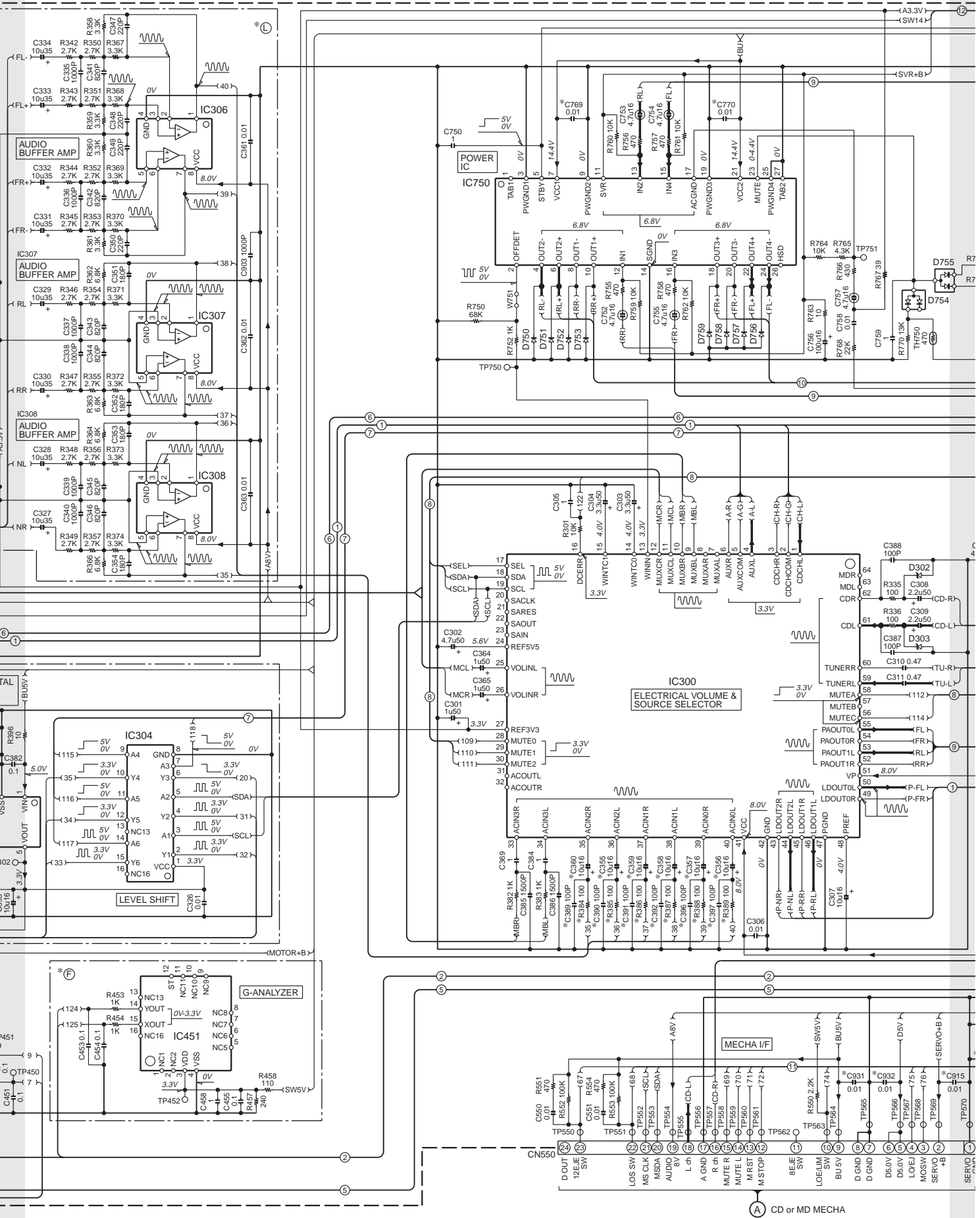


X16-
J1

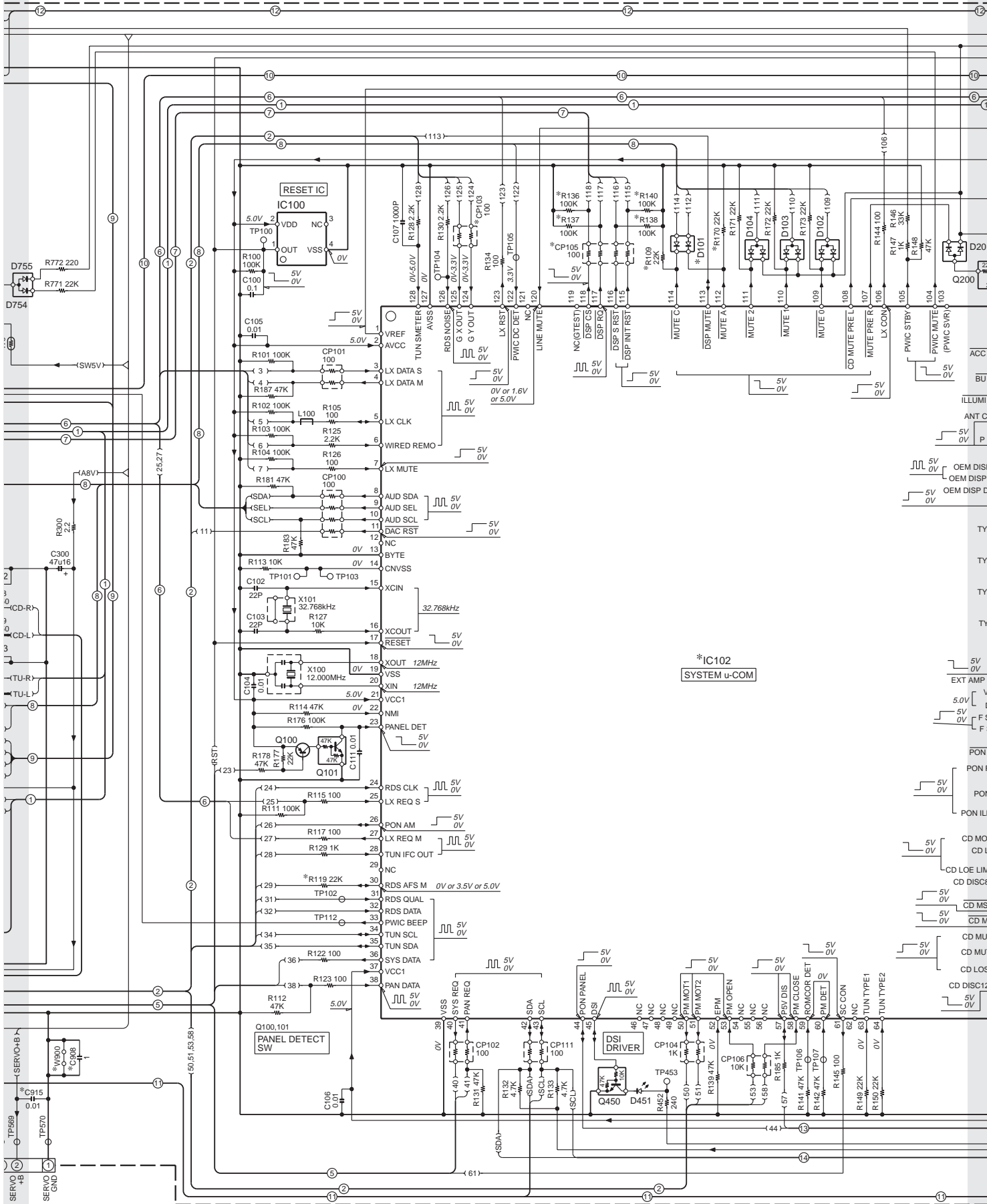
KDC-W8534/W8534Y KDC-X790



KDC-W8534/W8534Y
KDC-X790

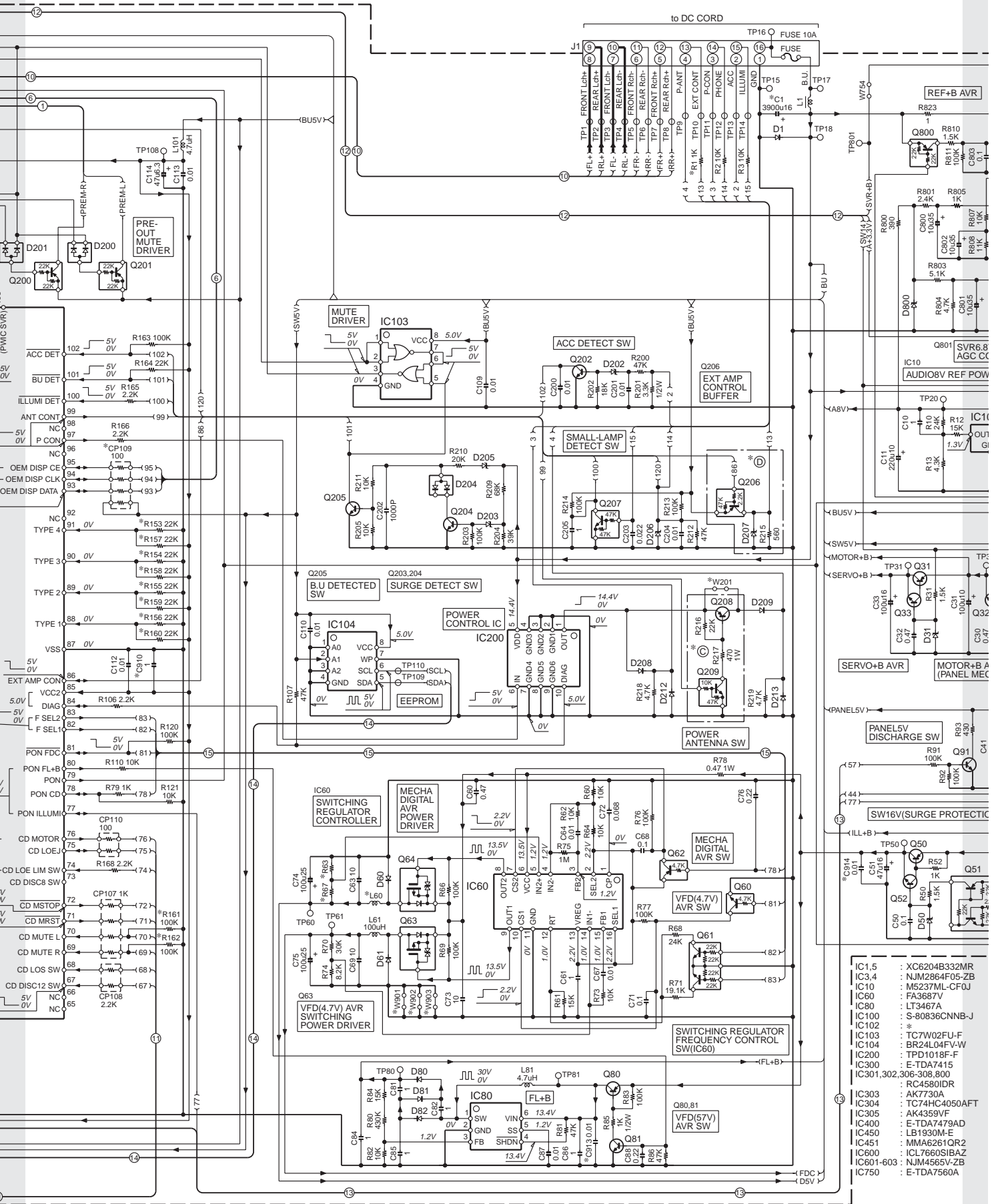


KDC-W8534/W8534Y KDC-X790



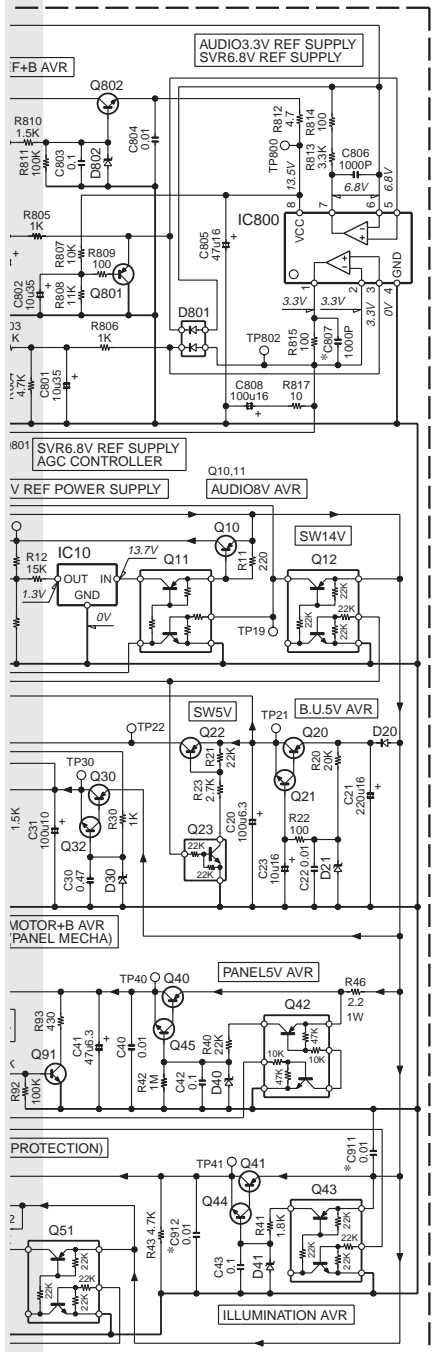
*IC102
SYSTEM u-COM

KDC-W8534/W8534Y
KDC-X790



- IC1,5 : XC6204B332MR
- IC3,4 : NJM2864F05-ZB
- IC10 : M5237ML-CF0J
- IC60 : FA3687V
- IC80 : LT3467A
- IC100 : S-80836CENN-J
- IC102 : 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-F
- IC451 : MMA8251QR2
- IC600 : ICL7660SIBAZ
- IC601-603 : NJM4565V-ZB
- IC750 : E-TDA7560A

KDC-W8534/W8534Y KDC-X790



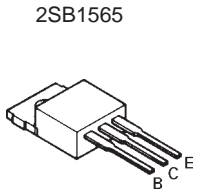
B332MR	Q10,20,30,40	: 2SB1565	D1	: S2V60*A
4F05-ZB	Q11,12,43,51	: UMC2N	D20	: RB160L-40
IL-CF0J	Q21,45,91	: 2SD2351(W)	D21,40,302,303,600	
√	Q22	: 2SA1577		: UDZS5.6B
√	Q23,403	: DTC124EUA	D30	: HZU9.1(B1)-E
√	Q31	: 2SB1184	D31	: UDZS8.2B
√	Q32,33,44,52,81,202,204	: DTA124EUA	D41	: 02DZ11F-Y
√	Q33,34,44,52,81,202,204	: 2SC4081	D50	: HZU16(B1)-E
√	Q41,607	: 2SB1443	D60,61	: SFPB-54V/NF
√	Q42	: UMD12N	D80-82	: RB060L-40
√	Q50	: 2SB1449(R)-E	D101,801	: DA227
√	Q60,608-613	: DTC143TUA	D102-104,754,755	
√	Q61	: UMC2N	D207	: 02DZ5.6F-Y
√	Q62	: DTA143TUA	D208,209,212,213,750-753,	
√	Q63,64	: 2SJ484-E	756-759	: 1SR154-400
√	Q80	: 2SB1188(R)	D802	: UDZS16B
√	Q100,603,605	: 2SA1576A		
√	Q101,207	: DTC144EUA		
√	Q102,201,800	: DTA124EUA		
√	Q206	: DTA123JK		
√	Q208	: 2SB1188(Q,R)		
√	Q209,450	: DTC114YUA		
√	Q300	: DTA114EUA		
√	Q402	: 2SB1689		
√	Q600,602	: 2SC4617		
√	Q601,801	: 2SA1774		
√	Q802	: 2SC2873-F		

—	SIGNAL LINE
—	GND LINE
—	+B LINE
—	-B LINE

KDC-W8534/W8534Y
/X790 (1/2)

MODEL NAME	DESTINATION	UNIT No.	(B)	(C)	(D)	(E)	(L)	(A1)	(C1)	C807	CPI05	CPI03	CP109	D101, D705	IC102	L60	R1	R63	R67	R109,136-138,140,147,170,384-389	R119, R154	R155	R156	R159	R160	R161	R712-715	W201,401, 900-903
KDC-MP732	K	X34-3730-11	—	YES	—	YES	—	X66-3940-11	C90-67-44-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-X790	K	X34-3730-12	YES	YES	YES	YES	—	X66-3940-11	C90-67-44-05	YES	YES	YES	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-MP6533	K	X34-3730-21	—	YES	—	YES	—	X66-3940-11	C90-67-44-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-W8534	E1	X34-4242-70	—	YES	—	YES	—	X66-3942-70	C90-67-44-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-W8534Y	E2	X34-4242-71	—	YES	—	YES	—	X66-3942-70	C90-67-44-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

D300	: DA204U
D401	: IMSA-6801-E
D451	: B30-1567-05
D500,502,507	: DA204K
D501,503,506, 700-702,705,706	: STZ6.2N
D601	: UDZS11F-B
D608,609,703,704	: STZ6.8N

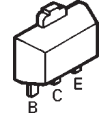
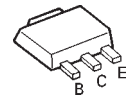


- DTA123JK
- DTC114YUA
- DTC143TUA
- DTC143ZE
- 2SA1576A
- 2SC2713-F
- 2SC4617



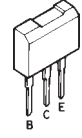
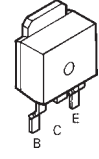
2SB1188

2SC2873-F



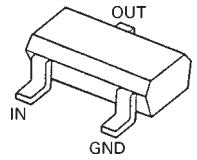
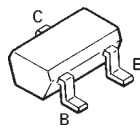
2SB1184

2SB1443



2SA1774
2SC4081

- DTA114EUA
- DTA124EUA
- DTA143TUA
- DTC124EUA
- DTC144EUA

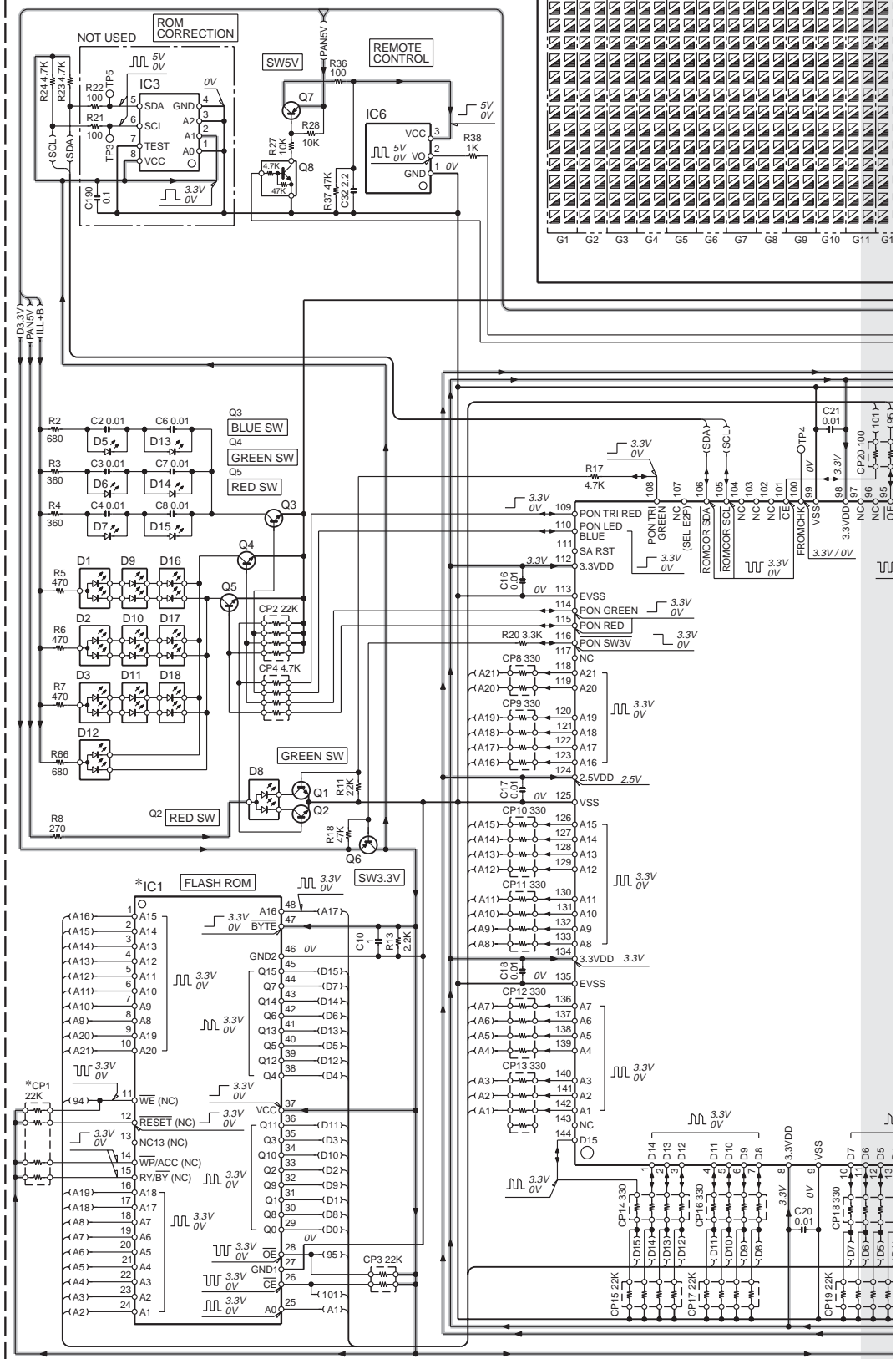


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

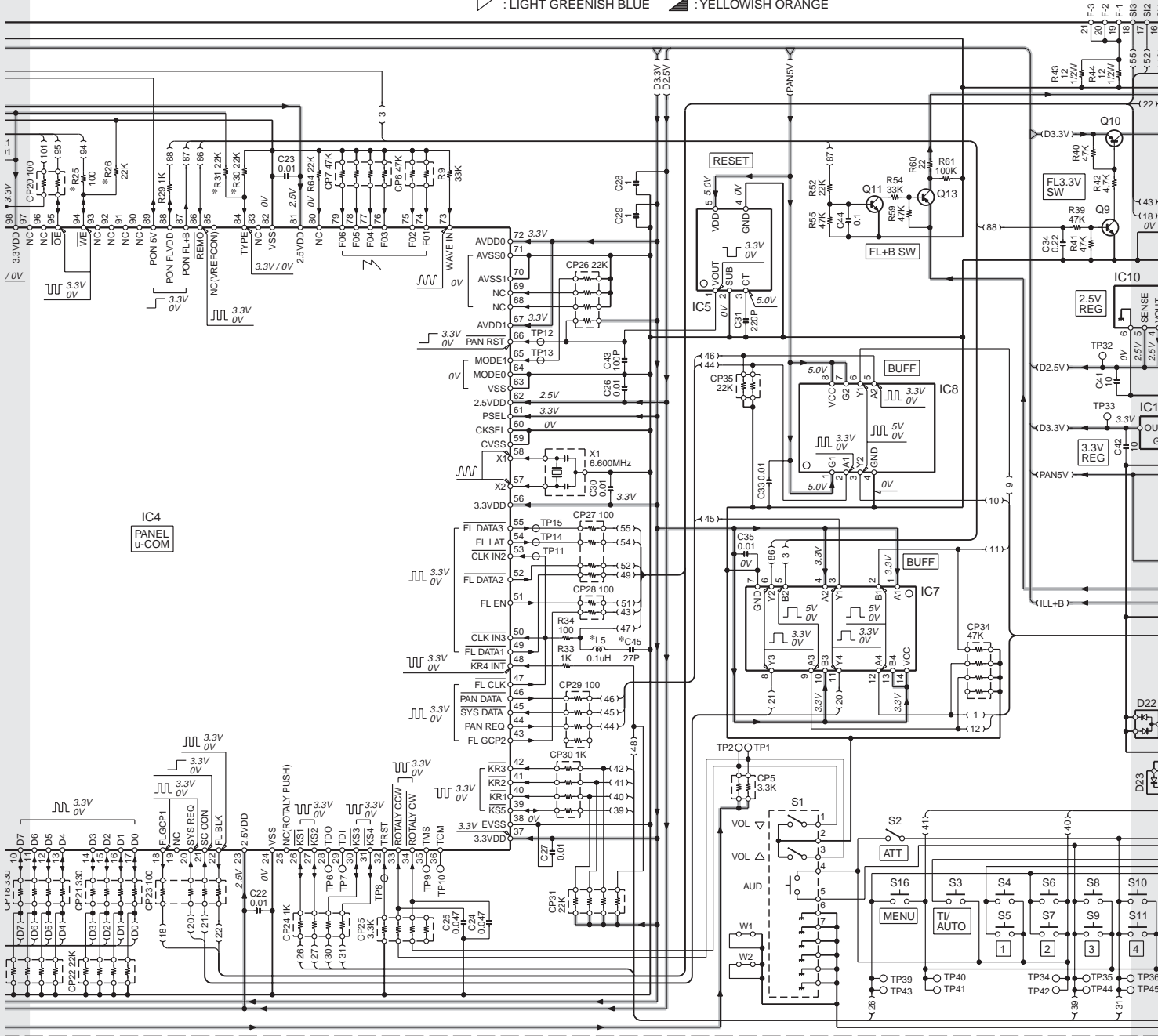
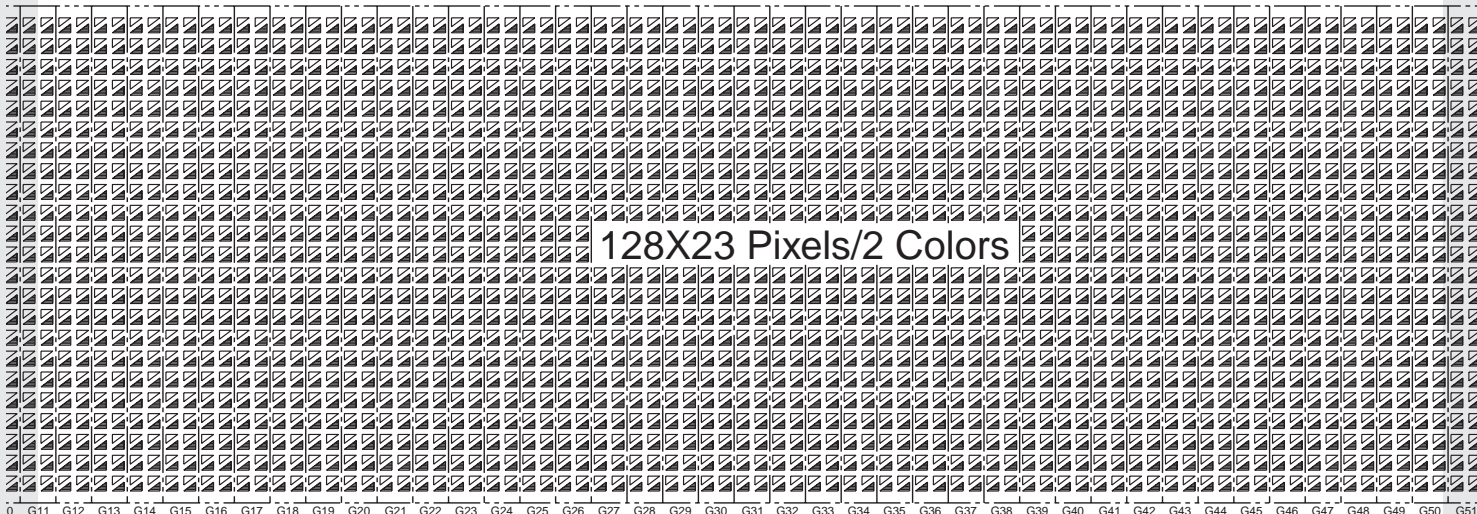
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KDC-W8534/W8534Y
KDC-X790

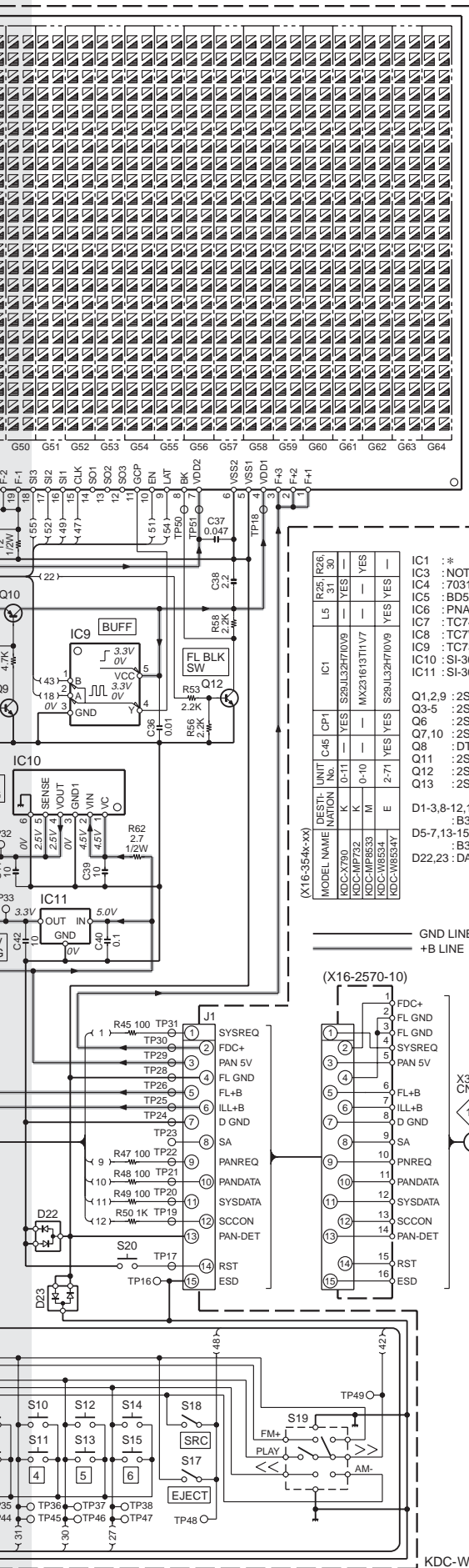
(X16-354x-xx)



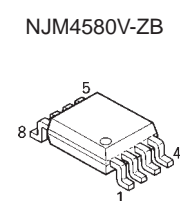
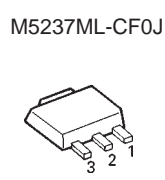
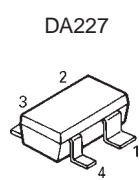
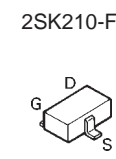
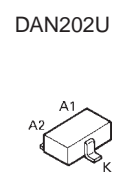
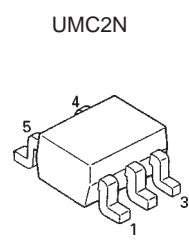
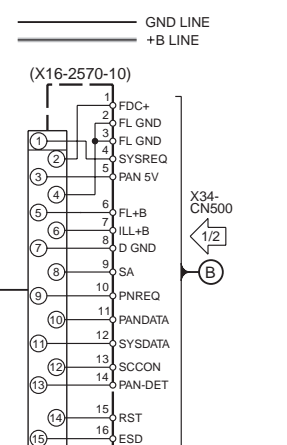
KDC-W8534/W8534Y KDC-X790



KDC-W8534/W8534Y KDC-X790



MODEL NAME	DESTI. NATION	UNIT No.	IC1	CPI	IC46	UNIT No.	IC1	IC2	IC3	IC4	IC5	IC6	IC7	IC8	IC9	IC10	IC11	
KDC-X790	K	0-11	S28JL32H7/0V9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-MP8533	M	0-10	MX231613T1/V7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-W8534	E	2-71	S28JL32H7/0V9	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-W8534Y	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



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

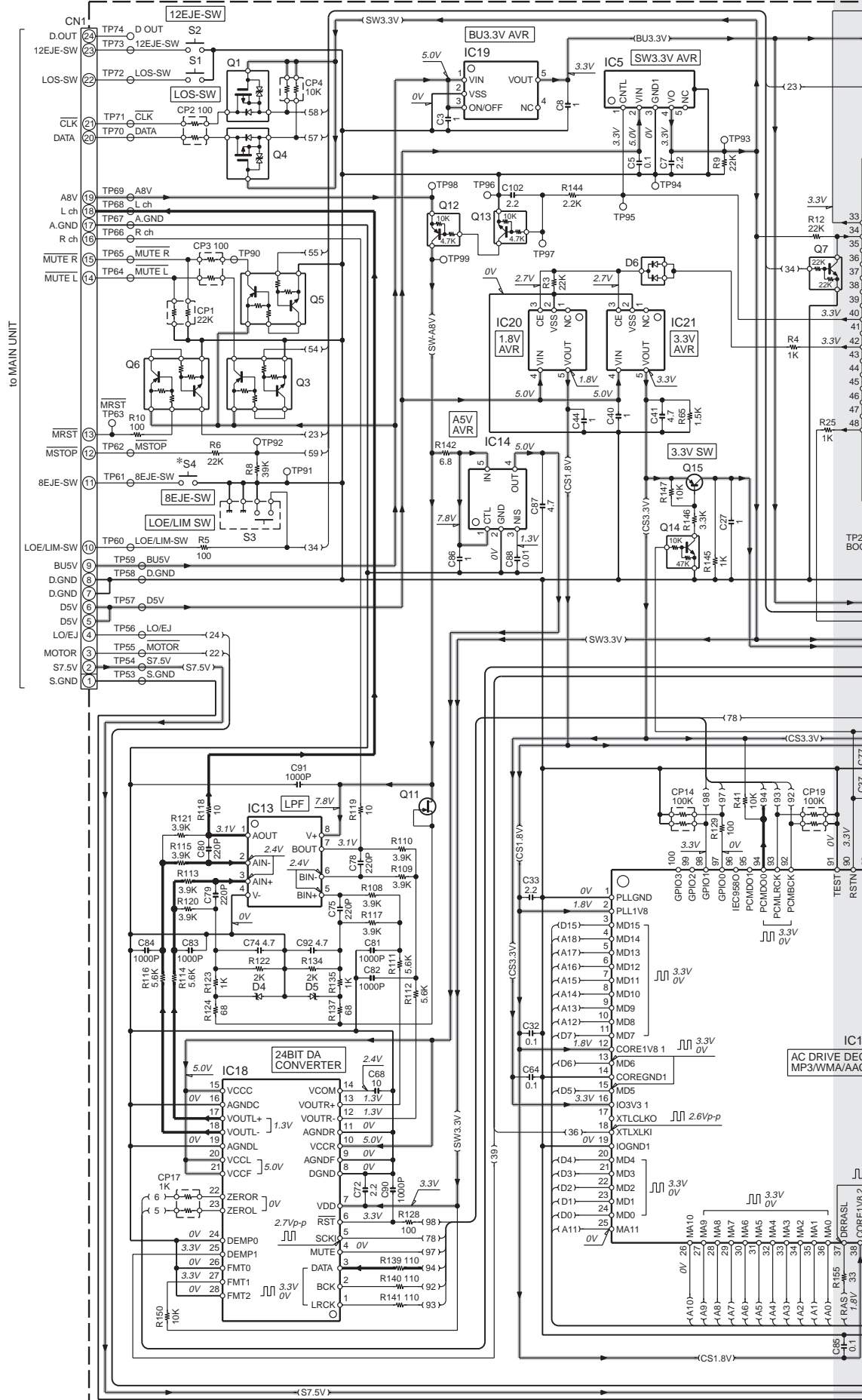
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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

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7

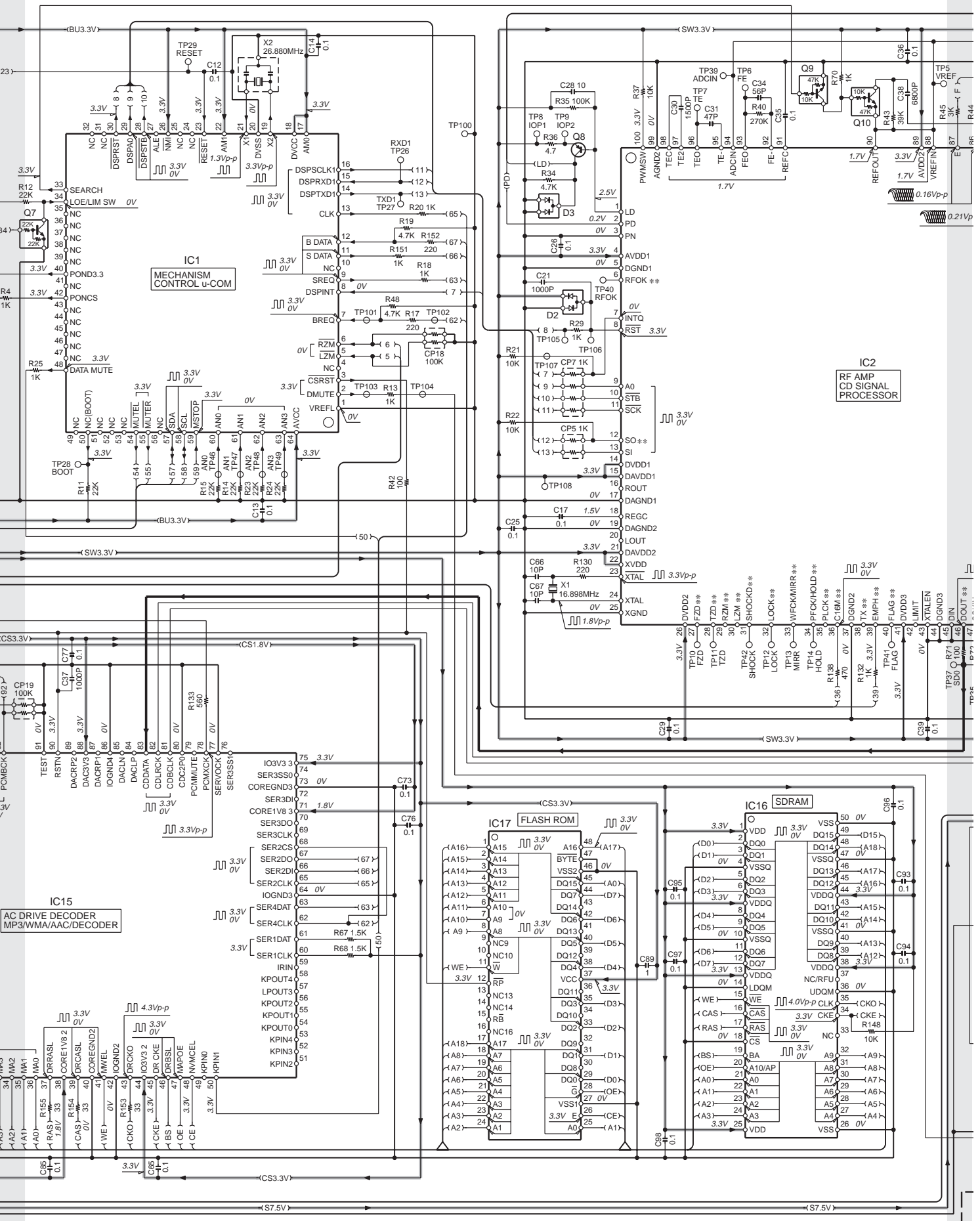
KDC-W8534/W8534Y KDC-X790

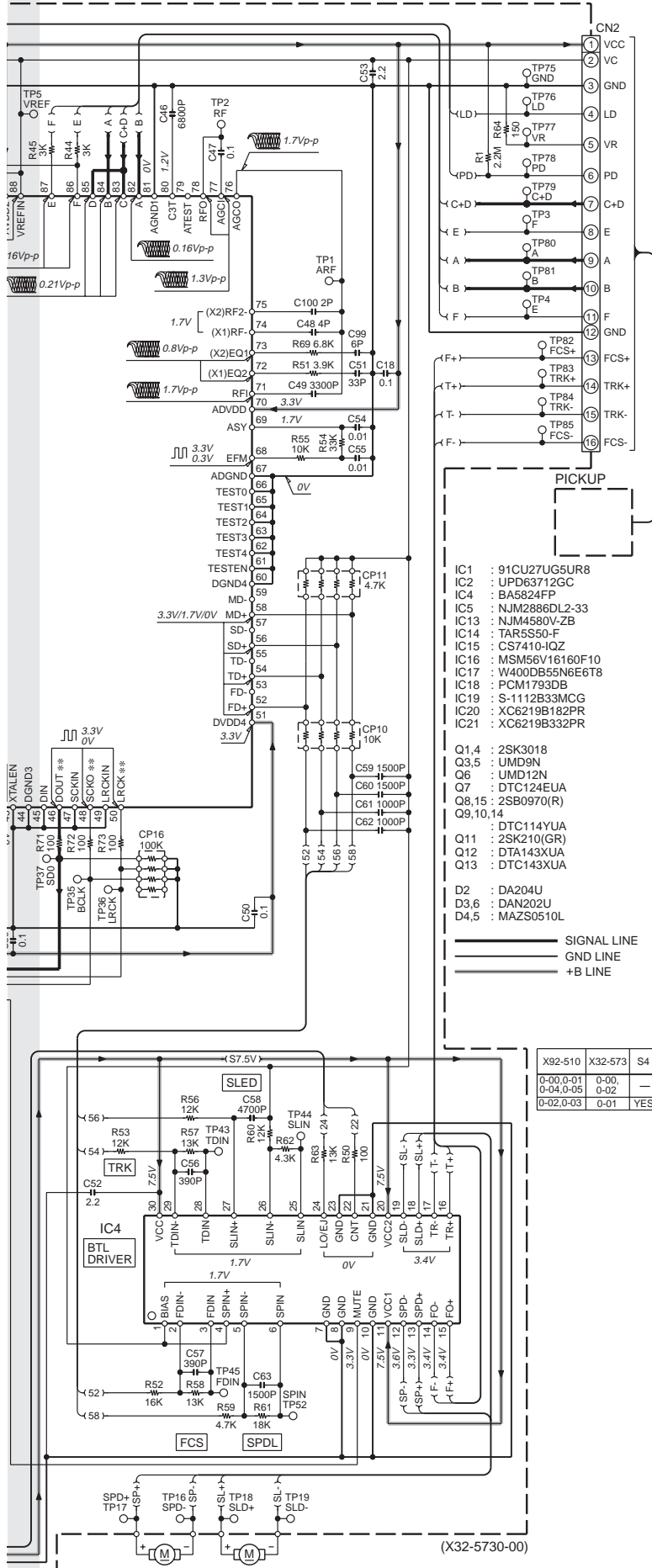
CD PLAYER UNIT (X32-5730-0x)



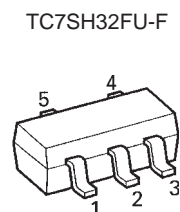
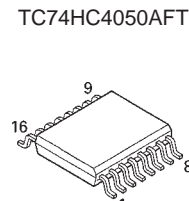
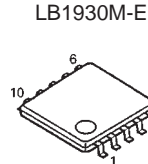
- 1
- 2
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- 4
- 5
- 6
- 7

KDC-W8534/W8534Y
KDC-X790





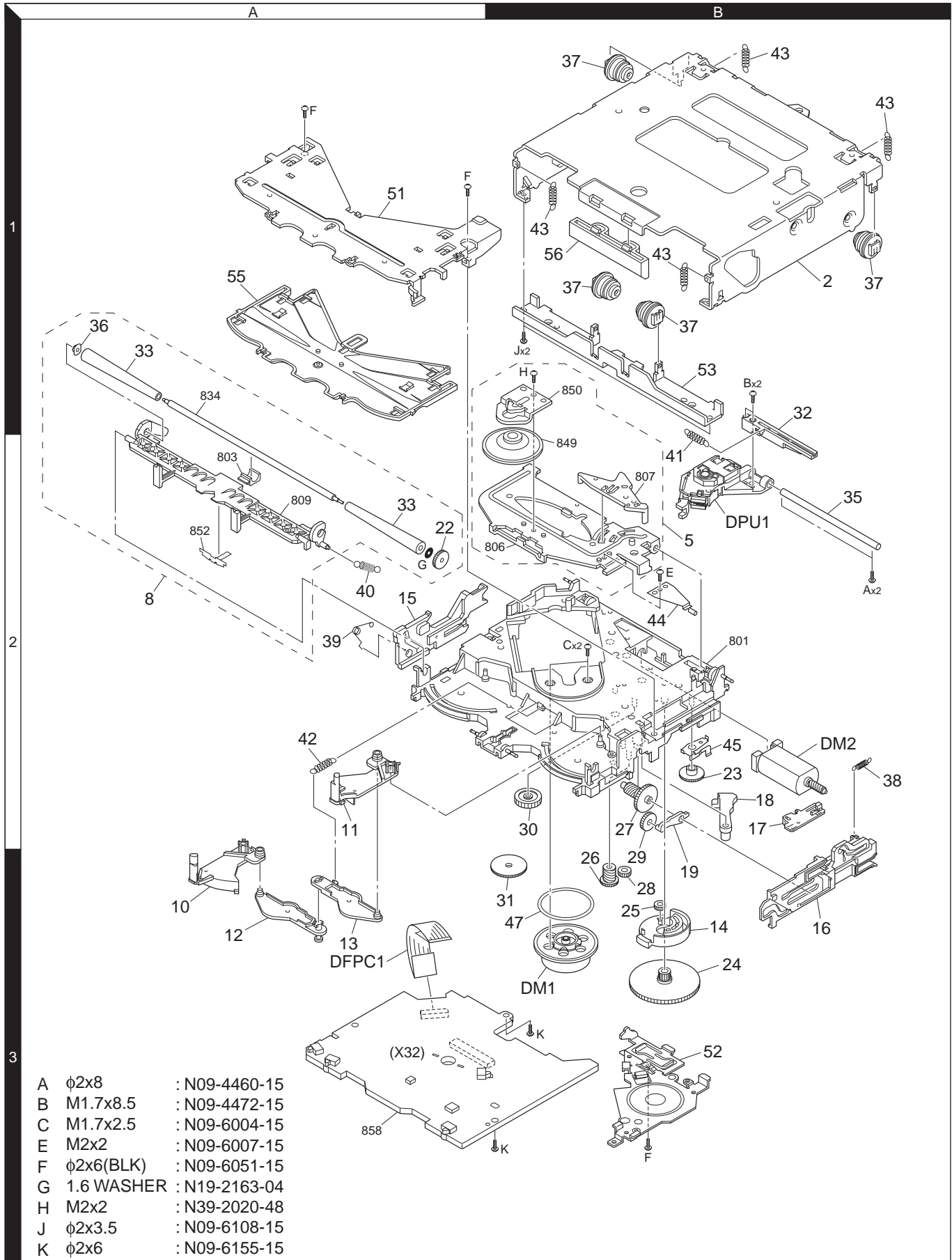
X92-510	X32-573	S4
0-00,0-01	0-00,	—
0-04,0-05	0-02	—
0-02,0-03	0-01	YES



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.

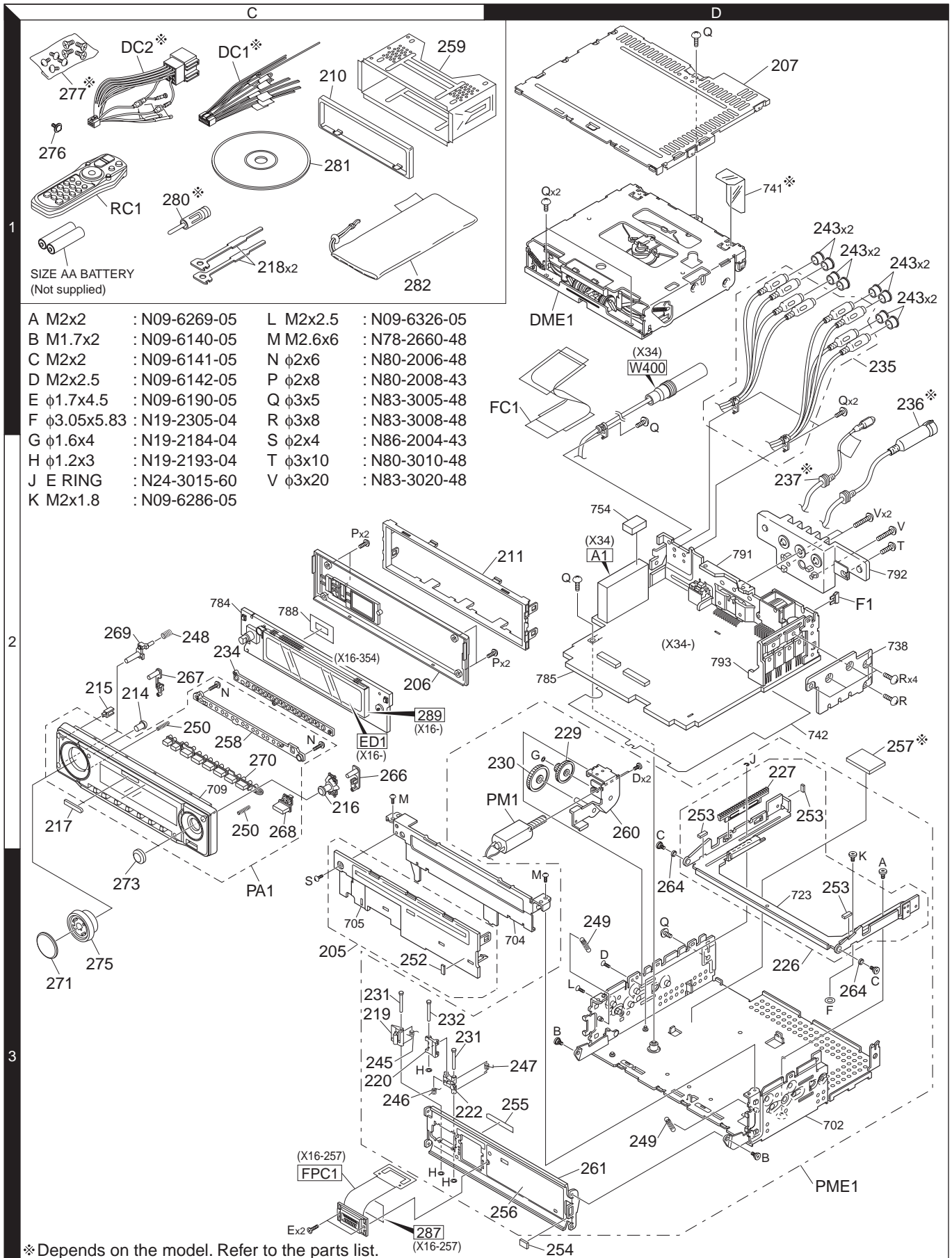
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

EXPLODED VIEW (CD MECHANISM)



A	φ2x8	: N09-4460-15
B	M1.7x8.5	: N09-4472-15
C	M1.7x2.5	: N09-6004-15
E	M2x2	: N09-6007-15
F	φ2x6(BLK)	: N09-6051-15
G	1.6 WASHER	: N19-2163-04
H	M2x2	: N39-2020-48
J	φ2x3.5	: N09-6108-15
K	φ2x6	: N09-6155-15

EXPLODED VIEW (UNIT)



* Depends on the model. Refer to the parts list.

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

PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
KDC-W8534/W8534Y/X790					
205	3C		A22-3023-22	SUB PANEL ASSY	
206	2C		A46-1817-01	REAR COVER	
207	1D		A52-0845-12	TOP PLATE	
PA1	3C	*	A64-3730-02	PANEL ASSY	K
PA1	3C	*	A64-3734-02	PANEL ASSY	E1E2
PME1	3D		A10-5205-22	CHASSIS ASSY	
RC1	1C		A70-2067-15	REMOTE CONTROLLER ASSY (RC-527)	
-			B46-0612-14	ID CARD	E1E2
-			B46-0681-04	ID CARD	K
-			B46-0682-00	WARRANTY CARD	KE1
-			B58-1426-04	CAUTION CARD	K
-			B59-1832-00	SUB-INSTRUCTION MANUAL	
-		*	B64-3301-00	INSTRUCTION MANUAL (ENGLISH)	K
-		*	B64-3302-00	INSTRUCTION MANUAL (FRENCH)	K
-		*	B64-3303-00	INSTRUCTION MANUAL (SPANISH)	K
-		*	B64-3304-00	INSTRUCTION MANUAL (ENGLISH)	E1E2
-		*	B64-3305-00	INSTRUCTION MANUAL (FRE.GER.)	E1
-		*	B64-3306-00	INSTRUCTION MANUAL (DUT.ITA.)	E1
-		*	B64-3307-00	INSTRUCTION MANUAL (SPA.POR.)	E1
-		*	B64-3308-00	INSTRUCTION MANUAL (RUSSIAN)	E2
210	1C		B07-3125-01	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		E30-6435-05	CORD WITH PINPLUG	K
235	1D		E30-6436-05	CORD WITH PINPLUG	E1E2
236	2D		E30-6292-15	CORD WITH DIN CONNECTOR	E1E2
237	2D	*	E30-6533-05	CORD WITH CONNECTOR (WIRED-R/C)	K
△ DC1	1C		E30-6408-05	DC CORD	K
△ DC2	1C		E30-6412-05	DC CORD	E1E2
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	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
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	
257	2D	*	G16-1629-04	SHEET	E1E2
-			H10-4925-02	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	KE2
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1111-04	PROTECTION BAG (280X450X0.03)	E1
-		*	H54-3652-03	ITEM CARTON CASE	K
-		*	H54-3655-03	ITEM CARTON CASE	E1
-		*	H54-3656-03	ITEM CARTON CASE	E2
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	*	K24-4428-03	PUSH KNOB (EJECT)	
267	2C	*	K24-4431-03	PUSH KNOB (ATT)	
268	2C		K24-4292-03	PUSH KNOB (SRC)	
269	2C	*	K24-4434-03	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	K
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	
280	1C		T90-0523-05	ANTENNA ADAPTOR	E1E2
PM1	2D		T42-1086-14	DC MOTOR ASSY	
281	1C		W01-1643-25	COMPACT DISC	K
281	1C		W01-1647-15	COMPACT DISC	E1E2
282	1C		W01-1661-05	CARRYING CASE	E1E2
282	1C	*	W01-1664-05	CARRYING CASE	K

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)

K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

KDC-W8534/W8534Y/X790

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
DME1	1D		X92-5100-00	CD MECHANISM ASSY (DXM-6800W)	K	CP19			RK74HB1J223J	CHIP-COM 22K J 1/16W	
DME1	1D	*	X92-5680-00	CD MECHANISM ASSY (DXM-6804WE)	E1E2	CP20			RK74GA1J101J	CHIP-COM 100 J 1/16W	
SUB-CIRCUIT UNIT (X16-2570-10)						CP21			RK74HB1J331J	CHIP-COM 330 J 1/16W	
J1		*	E58-1038-05	RECTANGULAR RECEPTACLE		CP22			RK74HB1J223J	CHIP-COM 22K J 1/16W	
287	3C		F20-2284-14	INSULATING SHEET		CP23			RK74HB1J101J	CHIP-COM 100 J 1/16W	
FPC1	3C		J86-0003-05	FPC (LEAD FREE)		CP24			RK74HB1J102J	CHIP-COM 1.0K J 1/16W	
SWITCH UNIT (X16-354x-xx)						CP25			RK74HB1J332J	CHIP-COM 3.3K J 1/16W	
D1-3			B30-1605-05	LED (2COLOR PG/RED)		CP26			RK74HB1J223J	CHIP-COM 22K J 1/16W	
D5-7			B30-1729-05	LED (1608,BLUE)		CP27			RK74HB1J101J	CHIP-COM 100 J 1/16W	
D8-12			B30-1605-05	LED (2COLOR PG/RED)		CP28			RK74GA1J101J	CHIP-COM 100 J 1/16W	
D13-15			B30-1729-05	LED (1608,BLUE)		CP29			RK74HB1J101J	CHIP-COM 100 J 1/16W	
D16-18			B30-1605-05	LED (2COLOR PG/RED)		CP30			RK74HB1J102J	CHIP-COM 1.0K J 1/16W	
C2-4			CK73GB1H103K	CHIP C 0.010UF K		CP31			RK74HB1J223J	CHIP-COM 22K J 1/16W	
C6-8			CK73GB1H103K	CHIP C 0.010UF K		CP34			RK74HB1J473J	CHIP-COM 47K J 1/16W	
C10			CK73GB1A105K	CHIP C 1.0UF K		CP35			RK74GA1J223J	CHIP-COM 22K J 1/16W	
C16-18			CK73GB1H103K	CHIP C 0.010UF K		R2			RK73FB2B681J	CHIP R 680 J 1/8W	
C20-23			CK73GB1H103K	CHIP C 0.010UF K		R3,4			RK73FB2B361J	CHIP R 360 J 1/8W	
C24,25			CK73GB1H473K	CHIP C 0.047UF K		R5-7			RK73EB2E471J	CHIP R 470 J 1/4W	
C26,27			CK73GB1H103K	CHIP C 0.010UF K		R8			RK73FB2B271J	CHIP R 270 J 1/8W	
C28,29			CK73GB1A105K	CHIP C 1.0UF K		R9			RK73GB2A333J	CHIP R 33K J 1/10W	
C30			CK73GB1H103K	CHIP C 0.010UF K		R11			RK73GB2A223J	CHIP R 22K J 1/10W	
C31			CC73GCH1H221J	CHIP C 220PF J		R13			RK73GB2A222J	CHIP R 2.2K J 1/10W	
C32			CK73FB1A225K	CHIP C 2.2UF K		R17			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C33			CK73GB1H103K	CHIP C 0.010UF K		R18			RK73GB2A473J	CHIP R 47K J 1/10W	
C34			CK73GB1C224K	CHIP C 0.22UF K		R20			RK73GB2A332J	CHIP R 3.3K J 1/10W	
C35,36			CK73GB1H103K	CHIP C 0.010UF K		R23,24			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C37			C93-1217-05	CHIP C 0.047UF 100WV		R25			RK73GB2A101J	CHIP R 100 J 1/10W	
C38			CK73FB1A225K	CHIP C 2.2UF K		R27,28			RK73GB2A103J	CHIP R 10K J 1/10W	
C39			CK73FB0J106K	CHIP C 10UF K		R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C40			CK73GB1H104K	CHIP C 0.10UF K		R31			RK73GB2A223J	CHIP R 22K J 1/10W	
C41,42			CK73FB0J106K	CHIP C 10UF K		R33			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C43			CC73GCH1H101J	CHIP C 100PF J		R34			RK73GB2A101J	CHIP R 100 J 1/10W	
C44			CK73GB1H104K	CHIP C 0.10UF K		R36			RK73GB2A101J	CHIP R 100 J 1/10W	
C45			CC73GCH1H270J	CHIP C 27PF J	E1E2	R37			RK73GB2A473J	CHIP R 47K J 1/10W	
J1			E59-0846-05	RECTANGULAR PLUG		R38			RK73GB2A102J	CHIP R 1.0K J 1/10W	
289	2C		J19-7054-03	HOLDER		R39-41			RK73GB2A473J	CHIP R 47K J 1/10W	
L5			L40-1085-38	SMALL FIXED INDUCTOR (100NH)		R42			RK73GB2A472J	CHIP R 4.7K J 1/10W	
X1			L78-1208-05	RESONATOR (6.6M)	E1E2	R43,44			RK73PB2H120J	CHIP R 12 J 1/2W	
CP1,2			RK74HB1J223J	CHIP-COM 22K J 1/16W		R45			RK73EB2E101J	CHIP R 100 J 1/4W	
CP3			RK74GA1J223J	CHIP-COM 22K J 1/16W		R47-49			RK73EB2E101J	CHIP R 100 J 1/4W	
CP4			RK74HB1J472J	CHIP-COM 4.7K J 1/16W		R50			RK73EB2E102J	CHIP R 1.0K J 1/4W	
CP5			RK74GA1J332J	CHIP-COM 3.3K J 1/16W		R52			RK73GB2A223J	CHIP R 22K J 1/10W	
CP6			RK74GA1J473J	CHIP-COM 47K J 1/16W		R53			RK73GB2A222J	CHIP R 2.2K J 1/10W	
CP7			RK74HB1J473J	CHIP-COM 47K J 1/16W		R54			RK73EB2E333J	CHIP R 33K J 1/4W	
CP8			RK74GA1J331J	CHIP-COM 330 J 1/16W		R55			RK73GB2A473J	CHIP R 47K J 1/10W	
CP9-14			RK74HB1J331J	CHIP-COM 330 J 1/16W		R56			RK73GB2A222J	CHIP R 2.2K J 1/10W	
CP15			RK74HB1J223J	CHIP-COM 22K J 1/16W		R58			RK73GB2A222J	CHIP R 2.2K J 1/10W	
CP16			RK74HB1J331J	CHIP-COM 330 J 1/16W		R59			RK73GB2A473J	CHIP R 47K J 1/10W	
CP17			RK74HB1J223J	CHIP-COM 22K J 1/16W		R60			RK73FB2B220J	CHIP R 22 J 1/8W	
CP18			RK74HB1J331J	CHIP-COM 330 J 1/16W		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	

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-354x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
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		*	S29JL32H710V9	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	
Q11			2SC2713-F	TRANSISTOR	
Q12			2SC4667-F	TRANSISTOR	
Q13			2SB1198K	TRANSISTOR	
CD PLAYER UNIT (X32-5730-0x)					
C3			CK73GB0J105K	CHIP C 1.0UF K	
C5			CK73GB1C104K	CHIP C 0.10UF K	
C7			CK73GB0J225K	CHIP C 2.2UF K	
C8			CK73GB0J105K	CHIP C 1.0UF K	
C12-14			CK73GB1C104K	CHIP C 0.10UF K	
C17,18			CK73GB1C104K	CHIP C 0.10UF K	
C21			CK73GB1H102K	CHIP C 1000PF K	
C25,26			CK73GB1C104K	CHIP C 0.10UF K	
C28			CK73FB0J106M	CHIP C 10UF M	
C29			CK73GB1C104K	CHIP C 0.10UF K	
C30			CK73GB1H152K	CHIP C 1500PF K	
C31			CC73GCH1H470J	CHIP C 47PF J	
C32			CK73GB1C104K	CHIP C 0.10UF K	
C33			CK73GB0J225K	CHIP C 2.2UF K	
C34			CC73GCH1H560J	CHIP C 56PF J	
C35,36			CK73GB1C104K	CHIP C 0.10UF K	
C37			CK73GB1H102K	CHIP C 1000PF K	
C38			CK73GB1H682K	CHIP C 6800PF K	
C39			CK73GB1C104K	CHIP C 0.10UF K	
C40			CK73GB0J105K	CHIP C 1.0UF K	
C41			CK73GB0J475K	CHIP C 4.7UF K	
C44			CK73GB0J105K	CHIP C 1.0UF K	
C46			CK73GB1H682K	CHIP C 6800PF K	
C47			CK73GB1C104K	CHIP C 0.10UF K	
C48			CC73GCH1H040C	CHIP C 4.0PF C	
C49			CK73GB1H332K	CHIP C 3300PF K	
C50			CK73GB1C104K	CHIP C 0.10UF K	

Ref. No.	Add	New	Parts No.	Description	Destination
C51			CC73GCH1H330J	CHIP C 33PF J	
C52			CK73FB1A225K	CHIP C 2.2UF K	
C53			CK73GB0J225K	CHIP C 2.2UF K	
C54,55			CK73GB1H103K	CHIP C 0.010UF K	
C56,57			CC73GCH1H391J	CHIP C 390PF J	
C58			CK73GB1H472K	CHIP C 4700PF K	
C59,60			CK73GB1H152K	CHIP C 1500PF K	
C61,62			CK73GB1H102K	CHIP C 1000PF K	
C63			CK73GB1H152K	CHIP C 1500PF K	
C64,65			CK73GB1C104K	CHIP C 0.10UF K	
C66,67			CC73GCH1H100D	CHIP C 10PF D	
C68			CK73FB0J106M	CHIP C 10UF M	
C72			CK73GB0J225K	CHIP C 2.2UF K	
C73			CK73GB1C104K	CHIP C 0.10UF K	
C74			CK73GB0J475K	CHIP C 4.7UF K	
C75			CC73GCH1H221J	CHIP C 220PF J	
C76,77			CK73GB1C104K	CHIP C 0.10UF K	
C78-80			CC73GCH1H221J	CHIP C 220PF J	
C81-84			CK73GB1H102K	CHIP C 1000PF K	
C85			CK73GB1C104K	CHIP C 0.10UF K	
C86			CK73GB1A105K	CHIP C 1.0UF K	
C87			CK73GB0J475K	CHIP C 4.7UF K	
C88			CK73GB1H103K	CHIP C 0.010UF K	
C89			CK73GB0J105K	CHIP C 1.0UF K	
C90,91			CK73GB1H102K	CHIP C 1000PF K	
C92			CK73GB0J475K	CHIP C 4.7UF K	
C93-98			CK73GB1C104K	CHIP C 0.10UF K	
C99			CC73GCH1H060D	CHIP C 6.0PF D	
C100			CC73GCH1H020C	CHIP C 2.0PF C	
C102			CK73GB0J225K	CHIP C 2.2UF K	
C103			CK73GB1H103K	CHIP C 0.010UF K	
CN1			E41-2083-15	FLAT CABLE CONNECTOR	
CN2			E41-2297-05	FLAT CABLE CONNECTOR	K
CN2			E41-2612-05	FLAT CABLE CONNECTOR	E1E2
X1			L77-2863-05	CRYSTAL RESONATOR (16.899M)	
X2			L78-1209-05	RESONATOR (26.88MHZ)	
CP1			RK74GA1J223J	CHIP-COM 22K J 1/16W	
CP2,3			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP4			RK74GA1J103J	CHIP-COM 10K J 1/16W	
CP5			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CP7			RK74GB1J102J	CHIP-COM 1.0K J 1/16W	
CP10			RK74GB1J103J	CHIP-COM 10K J 1/16W	
CP11			RK74GB1J472J	CHIP-COM 4.7K J 1/16W	
CP14			RK74GA1J104J	CHIP-COM 100K J 1/16W	
CP16			RK74GB1J104J	CHIP-COM 100K J 1/16W	
CP17			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CP18,19			RK74GA1J104J	CHIP-COM 100K J 1/16W	
R1			RK73GB2A225J	CHIP R 2.2M J 1/10W	
R3			RK73GB2A223J	CHIP R 22K J 1/10W	
R4			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R5			RK73GB2A101J	CHIP R 100 J 1/10W	
R6			RK73GH2A223D	CHIP R 22K D 1/10W	
R8			RK73GH2A393D	CHIP R 39K D 1/10W	

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5730-0x)

Ref. No.	Add	New	Parts No.	Description	Destination
R9			RK73GB2A223J	CHIP R 22K J 1/10W	
R10			RK73GB2A101J	CHIP R 100 J 1/10W	
R11,12			RK73GB2A223J	CHIP R 22K J 1/10W	
R13			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R14,15			RK73GB2A223J	CHIP R 22K J 1/10W	
R17			RK73GB2A221J	CHIP R 220 J 1/10W	
R18			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R19			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R20			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R21,22			RK73GB2A103J	CHIP R 10K J 1/10W	
R23,24			RK73GB2A223J	CHIP R 22K J 1/10W	
R25			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R34			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R35			RK73GB2A104J	CHIP R 100K J 1/10W	
R36			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	
R37			RK73GB2A103J	CHIP R 10K J 1/10W	
R40			RK73GB2A274J	CHIP R 270K J 1/10W	
R41			RK73GB2A103J	CHIP R 10K J 1/10W	
R42			RK73GB2A101J	CHIP R 100 J 1/10W	
R43			RK73GB2A393J	CHIP R 39K J 1/10W	
R44,45			RK73GB2A302J	CHIP R 3.0K J 1/10W	
R48			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R50			RK73GB2A101J	CHIP R 100 J 1/10W	
R51			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R52			RK73GB2A163J	CHIP R 16K J 1/10W	
R53			RK73GB2A123J	CHIP R 12K J 1/10W	
R54			RK73GB2A333J	CHIP R 33K J 1/10W	
R55			RK73GB2A103J	CHIP R 10K J 1/10W	
R56			RK73GB2A123J	CHIP R 12K J 1/10W	
R57,58			RK73GB2A133J	CHIP R 13K J 1/10W	
R59			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R60			RK73GB2A123J	CHIP R 12K J 1/10W	
R61			RK73GB2A183J	CHIP R 18K J 1/10W	
R62			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R63			RK73GB2A133J	CHIP R 13K J 1/10W	
R64			RK73GB2A151J	CHIP R 150 J 1/10W	
R65			RK73GB2A152J	CHIP R 1.5K J 1/10W	
R67,68			RK73GB2A152J	CHIP R 1.5K J 1/10W	
R69			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R70			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R71-73			RK73GB2A101J	CHIP R 100 J 1/10W	
R108-110			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R111,112			RK73GH2A562D	CHIP R 5.6K D 1/10W	
R113			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R114			RK73GH2A562D	CHIP R 5.6K D 1/10W	
R115			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R116			RK73GH2A562D	CHIP R 5.6K D 1/10W	
R117			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R118,119			RK73GH2A100D	CHIP R 10 D 1/10W	
R120,121			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R122			RK73GH2A202D	CHIP R 2.0K D 1/10W	
R123			RK73GH2A102D	CHIP R 1.0K D 1/10W	
R124			RK73GB2A680J	CHIP R 68 J 1/10W	
R128,129			RK73GB2A101J	CHIP R 100 J 1/10W	

Ref. No.	Add	New	Parts No.	Description	Destination
R130			RK73GB2A221J	CHIP R 220 J 1/10W	
R132			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R133			RK73GB2A561J	CHIP R 560 J 1/10W	
R134			RK73GH2A202D	CHIP R 2.0K D 1/10W	
R135			RK73GH2A102D	CHIP R 1.0K D 1/10W	
R137			RK73GB2A680J	CHIP R 68 J 1/10W	
R138			RK73GB2A471J	CHIP R 470 J 1/10W	
R139-141			RK73GH2A111D	CHIP R 110 D 1/10W	
R142			RK73GB2A6R8J	CHIP R 6.8 J 1/10W	
R144			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R145			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R146			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R147,148			RK73GB2A103J	CHIP R 10K J 1/10W	
R150			RK73GB2A103J	CHIP R 10K J 1/10W	
R151			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R152			RK73GB2A221J	CHIP R 220 J 1/10W	
R153-155			RK73GB2A330J	CHIP R 33 J 1/10W	
S1,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	
D2			DA204U	DIODE	
D3			DAN202U	DIODE	
D4,5			MAZS0510L	ZENER DIODE	
D6			DAN202U	DIODE	
IC1			91CU27UG5UR8	MICROCONTROLLER IC	
IC2			UPD63712GC	MOS-IC	
IC4			BA5824FP	ANALOGUE IC	
IC5			NJM2886DL2-33	ANALOGUE IC	
IC13			NJM4580V-ZB	ANALOGUE IC	
IC14			TAR5S50-F	ANALOGUE IC	
IC15			CS7410-IQZ	MOS-IC	
IC16			HY57V1616TP7I	DRAM IC	
IC17			W400DB55N6E3U9	ROM IC	
IC18			PCM1793DB	MOS-IC	
IC19			S-1112B33MCG	ANALOGUE IC	
IC20			XC6219B182PR	ANALOGUE IC	
IC21			XC6219B332PR	ANALOGUE IC	
Q1			2SK3018	FET	
Q3			UMD9N	TRANSISTOR	
Q4			2SK3018	FET	
Q5			UMD9N	TRANSISTOR	
Q6			UMD12N	TRANSISTOR	
Q7			DTC124EUA	DIGITAL TRANSISTOR	
Q8			2SB0970 (R)	TRANSISTOR	
Q9,10			DTC114YUA	DIGITAL TRANSISTOR	
Q11		*	2SK210-F (GR)	FET	
Q12			DTA143XUA	DIGITAL TRANSISTOR	
Q13			DTC143XUA	DIGITAL TRANSISTOR	
Q14			DTC114YUA	DIGITAL TRANSISTOR	
Q15			2SB0970 (R)	TRANSISTOR	
ELECTRIC UNIT (X34-3730-12/4242-7x)					
D451			B30-1567-05	LED (1608,RED)	
C1			C90-6744-05	ELECTRO 3900UF 16WV	E1E2
C1		*	C90-6784-05	ELECTRO 3900UF 16WV	K

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-12/4242-7x)

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
C10			CK73FB1C105K	CHIP C 1.0UF K		C310,311			CK73FB1E474K	CHIP C 0.47UF K	
C11			CD04AY1A221M	ELECTRO 220UF 10WV		C312			CK73GB1H152K	CHIP C 1500PF K	E1E2
C20			CD04BA0J101M	ELECTRO 100UF 6.3WV		C313			CK73GB1H103K	CHIP C 0.010UF K	E1E2
C21			C90-5692-05	ELECTRO 220UF 16WV		C314			CD04AS1C220M	ELECTRO 22UF 16WV	E1E2
C22			CK73GB1H103K	CHIP C 0.010UF K		C315			CK73GB1H152K	CHIP C 1500PF K	E1E2
C23			CE32CL1C100M	CHIP EL 10UF 16WV		C316			CK73GB1H103K	CHIP C 0.010UF K	E1E2
C30			CK73GB1A474K	CHIP C 0.47UF K		C317			CD04AS1C220M	ELECTRO 22UF 16WV	E1E2
C31			CD04AY1A101M	ELECTRO 100UF 10WV		C318,319			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C32			CK73GB1A474K	CHIP C 0.47UF K		C320			CE32CL1C100M	CHIP EL 10UF 16WV	E1E2
C33			CE32BJ1C101M	CHIP EL 100UF 16WV		C321-323			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C40			CK73GB1H103K	CHIP C 0.010UF K		C324,325			CC73GCH1H060D	CHIP C 6.0PF D	E1E2
C41			CD04BA0J470M	ELECTRO 47UF 6.3WV		C326			CK73GB1H103K	CHIP C 0.010UF K	E1E2
C42,43			CK73GB1H104K	CHIP C 0.10UF K		C327-334			CD04AS1V100M	ELECTRO 10UF 35WV	E1E2
C50			CK73GB1H104K	CHIP C 0.10UF K		C335-340			CK73GB1H102K	CHIP C 1000PF K	E1E2
C51			CD04AS1C470M	ELECTRO 47UF 16WV		C341-346			CC73GCH1H821J	CHIP C 820PF J	E1E2
C60			CK73FB1E474K	CHIP C 0.47UF K		C347-350			CC73GCH1H221J	CHIP C 220PF J	E1E2
C61			CK73GB1A105K	CHIP C 1.0UF K		C351-354			CC73GCH1H181J	CHIP C 180PF J	E1E2
C63			CK73FB0J106K	CHIP C 10UF K		C355-360			CD04AT1C100M	ELECTRO 10UF 16WV	E1E2
C64			CK73GB1H103K	CHIP C 0.010UF K		C361-363			CK73GB1H103K	CHIP C 0.010UF K	E1E2
C67			CK73GB1H103K	CHIP C 0.010UF K		C364,365			CD04AS1H010M	ELECTRO 1UF 50WV	
C68			CK73GB1H104K	CHIP C 0.10UF K		C366			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C69			CK73FB0J106K	CHIP C 10UF K		C367			CE32CL1C100M	CHIP EL 10UF 16WV	E1E2
C71			CK73GB1H104K	CHIP C 0.10UF K		C368			CK73GB1H682K	CHIP C 6800PF K	E1E2
C72			CK73GB1H683K	CHIP C 0.068UF K		C369			CK73FB1C105K	CHIP C 1.0UF K	
C73			CK73EB1C106K	CHIP C 10UF K		C370			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C74			CD04BK1E101M	ELECTRO 100UF 25WV		C371			CK73GB1A105K	CHIP C 1.0UF K	E1E2
C75			CD04BF1E101M	ELECTRO 100UF 25WV		C374			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C76			CK73GB1C224K	CHIP C 0.22UF K		C375			CK73GB1H103K	CHIP C 0.010UF K	E1E2
C81			C93-1382-05	CHIP C 1UF K		C376			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C82			C93-1381-05	CHIP C 1UF K		C377			CK73GB1A105K	CHIP C 1.0UF K	E1E2
C84			C93-1381-05	CHIP C 1UF K		C378			CK73GB1H473K	CHIP C 0.047UF K	E1E2
C85			C93-1382-05	CHIP C 1UF K		C379			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C86			CK73EB1E105K	CHIP C 1.0UF K		C380			CK73GB1A105K	CHIP C 1.0UF K	E1E2
C87			CK73GB1H103K	CHIP C 0.010UF K		C381			CK73GB1H473K	CHIP C 0.047UF K	E1E2
C88			CK73GB1C224K	CHIP C 0.22UF K		C382			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C100			CK73GB1H104K	CHIP C 0.10UF K		C383			CK73GB1A105K	CHIP C 1.0UF K	E1E2
C102,103			CC73GCH1H220J	CHIP C 22PF J		C384			CK73FB1C105K	CHIP C 1.0UF K	
C104-106			CK73GB1H103K	CHIP C 0.010UF K		C385,386			CK73GB1H152K	CHIP C 1500PF K	
C107			CK73GB1H102K	CHIP C 1000PF K		C387-392			CC73GCH1H101J	CHIP C 100PF J	E1E2
C109-113			CK73GB1H103K	CHIP C 0.010UF K		C387,388			CC73GCH1H101J	CHIP C 100PF J	K
C114			CD04AS0J470M	ELECTRO 47UF 6.3WV		C393-395			CE32CL1C100M	CHIP EL 10UF 16WV	E1E2
C200,201			CK73GB1H103K	CHIP C 0.010UF K		C396,397			CC73GCH1H101J	CHIP C 100PF J	E1E2
C202			CK73GB1H102K	CHIP C 1000PF K		C398,399			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C203			CK73GB1H223K	CHIP C 0.022UF K		C402			CK73GB1H103K	CHIP C 0.010UF K	
C204			CK73GB1H103K	CHIP C 0.010UF K		C403			CK73FB1A225K	CHIP C 2.2UF K	
C205			CK73FB1C105K	CHIP C 1.0UF K		C404			CC73GCH1H331J	CHIP C 330PF J	
C298,299			CK73GB1H104K	CHIP C 0.10UF K	E1E2	C405			CD04AT1C100M	ELECTRO 10UF 16WV	
C300			CD04AS1C470M	ELECTRO 47UF 16WV		C407			CK73GB1H103K	CHIP C 0.010UF K	
C301			CD04AT1H010M	ELECTRO 1UF 50WV		C409,410			CK73GB1H103K	CHIP C 0.010UF K	
C302			CD04AS1H4R7M	ELECTRO 4.7UF 50WV		C412			CK73GB1H103K	CHIP C 0.010UF K	
C303,304			CD04AS1H3R3M	ELECTRO 3.3UF 50WV		C414,415			CC73GCH1H120J	CHIP C 12PF J	
C305			CK73FB1C105K	CHIP C 1.0UF K		C416			CK73GB1H102K	CHIP C 1000PF K	E1E2
C306			CK73GB1H103K	CHIP C 0.010UF K		C450-452			CK73GB1H104K	CHIP C 0.10UF K	E1E2
C307			CE32CL1C100M	CHIP EL 10UF 16WV		C450-455			CK73GB1H104K	CHIP C 0.10UF K	K
C308,309			CD04AS1H2R2M	ELECTRO 2.2UF 50WV		C458			CK73GB1A105K	CHIP C 1.0UF K	K

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-12/4242-7x)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C459			CK73GB1H102K	CHIP C 1000PF K	E1E2	CN450			E41-2259-05	PIN ASSY	
C550,551			CK73GB1H103K	CHIP C 0.010UF K		CN500			E41-2344-05	FLAT CABLE CONNECTOR	
C600,601			CK73EB1E225K	CHIP C 2.2UF K		CN550			E41-2352-05	FLAT CABLE CONNECTOR	
C602			CK73GB1H103K	CHIP C 0.010UF K		CN600			E41-2555-05	PIN ASSY	
C603			CK73GB1H223K	CHIP C 0.022UF K	△	J1			E58-0991-05	RECTANGULAR RECEPTACLE	
C604			CD04AS1C220M	ELECTRO 22UF 16WV		J2			E56-0855-05	CYLINDRICAL RECEPTACLE	
C605-608			CK73EB1E225K	CHIP C 2.2UF K		W400	1D		E30-6438-05	CORD WITH PLUG	
C609			CD04BF1E101M	ELECTRO 100UF 25WV		L1			L33-1988-05	CHOKE COIL ASSY	
C610			CD04AS1C220M	ELECTRO 22UF 16WV		L60			L33-2229-05	SMALL FIXED INDUCTOR	
C611			CE32CL1C100M	CHIP EL 10UF 16WV		L61			L33-2230-05	SMALL FIXED INDUCTOR	
C612,613			CD04AT1C100M	ELECTRO 10UF 16WV		L81			L33-2228-05	SMALL FIXED INDUCTOR	
C614,615			CE32CL1C100M	CHIP EL 10UF 16WV		L100			L92-0075-05	CHIP FERRITE	
C616,617			CD04AT1C100M	ELECTRO 10UF 16WV		L101			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	
C618,619			CE32CL1C100M	CHIP EL 10UF 16WV		L400			L33-2260-05	CHOKE COIL	
C620,621			CD04AS1V100M	ELECTRO 10UF 35WV		L401			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	
C622			CE32CL1C100M	CHIP EL 10UF 16WV		L403			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	
C623-628			CK73GB1H102K	CHIP C 1000PF K		L405			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	
C629			CK73FB1E474K	CHIP C 0.47UF K		L600			L41-2205-33	SMALL FIXED INDUCTOR (22U)	
C630			CD04AT0J470M	ELECTRO 47UF 6.3WV		X100			L78-0872-05	RESONATOR (12MHZ)	
C631			CK73FB1E474K	CHIP C 0.47UF K		X101			L77-2880-05	CRYSTAL RESONATOR	
C632			CK73GB1H103K	CHIP C 0.010UF K		X300			L77-2857-05	CRYSTAL RESONATOR (11.2896MHZ)	E1E2
C633,634			CE32CL1C100M	CHIP EL 10UF 16WV		X401			L77-2002-05	CRYSTAL RESONATOR	
C635-638			CK73GB1A105K	CHIP C 1.0UF K		Q	2D		N83-3005-48	PAN HEAD TAPTITE SCREW	
C701			CK73FB1E474K	CHIP C 0.47UF K		T	2D		N80-3010-48	PAN HEAD TAPTITE SCREW	
C702			CD04AS0J470M	ELECTRO 47UF 6.3WV		V	2D		N83-3020-48	PAN HEAD TAPTITE SCREW	
C703			CK73FB1E474K	CHIP C 0.47UF K		CP100			RK74GB1J101J	CHIP-COM 100 J 1/16W	
C704			CK73GB1H103K	CHIP C 0.010UF K		CP101-103			RK74GA1J101J	CHIP-COM 100 J 1/16W	K
C750			CK73FB1C105K	CHIP C 1.0UF K		CP101,102			RK74GA1J101J	CHIP-COM 100 J 1/16W	E1E2
C752-755			C90-5700-05	NP-ELEC 4.7UF 16WV		CP104			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
C756			CD04BA1C101M	ELECTRO 100UF 16WV		CP105			RK74GB1J101J	CHIP-COM 100 J 1/16W	E1E2
C757			C90-6742-05	NP-ELECT 4.7UF 16WV		CP106			RK74GA1J103J	CHIP-COM 10K J 1/16W	
C758			CK73GB1H103K	CHIP C 0.010UF K		CP107			RK74GB1J102J	CHIP-COM 1.0K J 1/16W	
C759			CK73FB1C105K	CHIP C 1.0UF K		CP108			RK74GA1J222J	CHIP-COM 2.2K J 1/16W	
C769,770			CK73GB1H103K	CHIP C 0.010UF K	E1E2	CP109			RK74GB1J101J	CHIP-COM 100 J 1/16W	
C800-802			CD04AS1V100M	ELECTRO 10UF 35WV		CP110,111			RK74GA1J101J	CHIP-COM 100 J 1/16W	
C803			CK73GB1H104K	CHIP C 0.10UF K		CP300			RK74GB1J101J	CHIP-COM 100 J 1/16W	E1E2
C804			CK73GB1H103K	CHIP C 0.010UF K		R1			RK73EB2E102J	CHIP R 1.0K J 1/4W	
C805			CD04AS1C470M	ELECTRO 47UF 16WV		R2,3			RK73EB2E103J	CHIP R 10K J 1/4W	
C806			CK73GB1H102K	CHIP C 1000PF K	E1E2	R10			RK73GH2A243D	CHIP R 24K D 1/10W	
C806,807			CK73GB1H102K	CHIP C 1000PF K	K	R11			RK73FB2B221J	CHIP R 220 J 1/8W	
C808			CD04BA1C101M	ELECTRO 100UF 16WV		R12			RK73GB2A153J	CHIP R 15K J 1/10W	
C809			CC73GCH1H101J	CHIP C 100PF J		R13			RK73GH2A432D	CHIP R 4.3K D 1/10W	
C812			CC73GCH1H471J	CHIP C 470PF J		R20			RK73FB2B203J	CHIP R 20K J 1/8W	
C813			CC73GCH1H101J	CHIP C 100PF J		R21			RK73GB2A223J	CHIP R 22K J 1/10W	
C900-902			CK73GB1H103K	CHIP C 0.010UF K	E1E2	R22			RK73GB2A101J	CHIP R 100 J 1/10W	
C903			CK73GB1H102K	CHIP C 1000PF K	E1E2	R23			RK73FB2B272J	CHIP R 2.7K J 1/8W	
C904			CK73GB1H103K	CHIP C 0.010UF K	E1E2	R30			RK73FB2B102J	CHIP R 1.0K J 1/8W	
C905-908			CK73GB1A105K	CHIP C 1.0UF K	E1E2	R31			RK73FB2B152J	CHIP R 1.5K J 1/8W	
C910			CK73GB1A105K	CHIP C 1.0UF K	E1E2	R40			RK73FB2B223J	CHIP R 22K J 1/8W	
C911-915			CK73GB1H103K	CHIP C 0.010UF K	E1E2	R41			RK73FB2B182J	CHIP R 1.8K J 1/8W	
C916			CK73GB1H104K	CHIP C 0.10UF K	E1E2	R42			RK73GB2A105J	CHIP R 1.0M J 1/10W	
C917			CK73GB1A105K	CHIP C 1.0UF K	E1E2	R43			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C931,932			CK73GB1H103K	CHIP C 0.010UF K	E1E2	R46			RK73SB3A2R2J	CHIP R 2.2 J 1W	
CN5			E41-0944-05	PIN ASSY		R50			RK73FB2B152J	CHIP R 1.5K J 1/8W	

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-12/4242-7x)

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
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	
R63,64			RK73GH2A103D	CHIP R 10K D 1/10W	
R66			RK73GB2A104J	CHIP R 100K J 1/10W	
R67			RK73GH2A273D	CHIP R 27K 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	
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	
R109			RK73GB2A223J	CHIP R 22K J 1/10W	E1E2
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	
R119			RK73GB2A223J	CHIP R 22K 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	
R136-138			RK73GB2A104J	CHIP R 100K J 1/10W	E1E2
R139			RK73GB2A473J	CHIP R 47K J 1/10W	
R140			RK73GB2A104J	CHIP R 100K J 1/10W	E1E2
R141,142			RK73GB2A473J	CHIP R 47K J 1/10W	

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
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	
R153,154			RK73GB2A223J	CHIP R 22K J 1/10W	K
R154-157			RK73GB2A223J	CHIP R 22K J 1/10W	E1
R154,155			RK73GB2A223J	CHIP R 22K J 1/10W	E2
R156			RK73GB2A223J	CHIP R 22K J 1/10W	K
R157			RK73GB2A223J	CHIP R 22K J 1/10W	E2
R159			RK73GB2A223J	CHIP R 22K J 1/10W	K
R160			RK73GB2A223J	CHIP R 22K J 1/10W	E2
R163			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	
R170-173			RK73GB2A223J	CHIP R 22K J 1/10W	E1E2
R171-173			RK73GB2A223J	CHIP R 22K J 1/10W	K
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	
R212			RK73GB2A473J	CHIP R 47K J 1/10W	
R213,214			RK73GB2A104J	CHIP R 100K J 1/10W	
R215			RK73FB2B561J	CHIP R 560 J 1/8W	
R216			RK73GB2A223J	CHIP R 22K J 1/10W	K
R217			RK73SB3A471J	CHIP R 470 J 1W	K
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	
R302,303			RK73GB2A471J	CHIP R 470 J 1/10W	E1E2
R304-307			RK73GB2A241J	CHIP R 240 J 1/10W	E1E2
R308-311			RK73GB2A103J	CHIP R 10K J 1/10W	E1E2
R312,313			RK73GB2A471J	CHIP R 470 J 1/10W	E1E2
R314-317			RK73GB2A241J	CHIP R 240 J 1/10W	E1E2
R318-321			RK73GB2A103J	CHIP R 10K J 1/10W	E1E2
R323-330			RK73GB2A221J	CHIP R 220 J 1/10W	E1E2
R331			RK73GB2A473J	CHIP R 47K J 1/10W	E1E2
R335,336			RK73GB2A101J	CHIP R 100 J 1/10W	
R342-357			RK73GB2A272J	CHIP R 2.7K J 1/10W	E1E2
R358-361			RK73GB2A332J	CHIP R 3.3K J 1/10W	E1E2
R362-364			RK73GB2A682J	CHIP R 6.8K J 1/10W	E1E2
R366			RK73GB2A682J	CHIP R 6.8K J 1/10W	E1E2

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-12/4242-7x)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R367-374			RK73GB2A332J	CHIP R 3.3K J 1/10W	E1E2	R624			RK73GB2A103J	CHIP R 10K J 1/10W	
R375-377			RK73GB2A473J	CHIP R 47K J 1/10W	E1E2	R625			RK73GB2A223J	CHIP R 22K J 1/10W	
R378			RK73GB2A101J	CHIP R 100 J 1/10W	E1E2	R626			RK73GB2A103J	CHIP R 10K J 1/10W	
R379			RK73GB2A562J	CHIP R 5.6K J 1/10W	E1E2	R627			RK73GB2A223J	CHIP R 22K J 1/10W	
R381			RK73GB2A473J	CHIP R 47K J 1/10W	E1E2	R628			RK73GB2A820J	CHIP R 82 J 1/10W	
R382,383			RK73GB2A102J	CHIP R 1.0K J 1/10W		R629			RK73GB2A123J	CHIP R 12K J 1/10W	
R384-389			RK73GB2A101J	CHIP R 100 J 1/10W	E1E2	R630,631			RK73GB2A361J	CHIP R 360 J 1/10W	
R390			RK73FB2B100J	CHIP R 10 J 1/8W	E1E2	R632			RK73GB2A820J	CHIP R 82 J 1/10W	
R391,392			RK73GB2A473J	CHIP R 47K J 1/10W	E1E2	R633			RK73GB2A123J	CHIP R 12K J 1/10W	
R393			RK73GB2A101J	CHIP R 100 J 1/10W	E1E2	R634			RK73GB2A103J	CHIP R 10K J 1/10W	
R394-396			RK73FB2B100J	CHIP R 10 J 1/8W	E1E2	R635			RK73GB2A223J	CHIP R 22K J 1/10W	
R397			RK73GB2A103J	CHIP R 10K J 1/10W	E1E2	R636			RK73GB2A103J	CHIP R 10K J 1/10W	
R398			RK73GB2A473J	CHIP R 47K J 1/10W	E1E2	R637			RK73GB2A223J	CHIP R 22K J 1/10W	
R404			RK73GB2A223J	CHIP R 22K J 1/10W		R638			RK73GB2A820J	CHIP R 82 J 1/10W	
R405,406			RK73GB2A471J	CHIP R 470 J 1/10W		R639			RK73GB2A123J	CHIP R 12K J 1/10W	
R407,408			RK73GB2A472J	CHIP R 4.7K J 1/10W		R640			RK73GB2A361J	CHIP R 360 J 1/10W	
R409			RK73FB2B102J	CHIP R 1.0K J 1/8W		R641			RK73EB2E100J	CHIP R 10 J 1/4W	
R410-412			RK73GB2A222J	CHIP R 2.2K J 1/10W		R642			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R450,451			RK73GB2A102J	CHIP R 1.0K J 1/10W		R643			RK73EB2E100J	CHIP R 10 J 1/4W	
R452			RK73GB2A241J	CHIP R 240 J 1/10W		R644			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R453,454			RK73GB2A102J	CHIP R 1.0K J 1/10W	K	R655-660			RK73GB2A104J	CHIP R 100K J 1/10W	
R457			RK73GH2A241D	CHIP R 240 D 1/10W	K	R700			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R458			RK73GH2A111D	CHIP R 110 D 1/10W	K	R701			RK73EB2E101J	CHIP R 100 J 1/4W	
R501			RK73EB2E101J	CHIP R 100 J 1/4W		R702			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R510,511			RK73EB2E101J	CHIP R 100 J 1/4W		R703-707			RK73EB2E101J	CHIP R 100 J 1/4W	
R514			RK73EB2E101J	CHIP R 100 J 1/4W		R708			RK73EB2E100J	CHIP R 10 J 1/4W	
R515			RK73EB2E102J	CHIP R 1.0K J 1/4W		R709			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R516			RK73EB2E472J	CHIP R 4.7K J 1/4W		R710			RK73EB2E100J	CHIP R 10 J 1/4W	
R517			RK73EB2E102J	CHIP R 1.0K J 1/4W		R711			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R550			RK73GB2A222J	CHIP R 2.2K J 1/10W		R712			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R551			RK73GB2A471J	CHIP R 470 J 1/10W		R713-715			RK73EB2E471J	CHIP R 470 J 1/4W	
R552,553			RK73GB2A104J	CHIP R 100K J 1/10W		R750			RK73GB2A683J	CHIP R 68K J 1/10W	
R554			RK73GB2A471J	CHIP R 470 J 1/10W		R752			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R600,601			RK73GB2A913J	CHIP R 91K J 1/10W		R755-758			RK73GB2A471J	CHIP R 470 J 1/10W	
R602			RK73GB2A103J	CHIP R 10K J 1/10W		R759-762			RK73GB2A103J	CHIP R 10K J 1/10W	
R603			RK73GB2A470J	CHIP R 47 J 1/10W		R763			RK73GB2A100J	CHIP R 10 J 1/10W	
R604			RK73GB2A274J	CHIP R 270K J 1/10W		R764			RK73GB2A103J	CHIP R 10K J 1/10W	
R605			RK73GB2A563J	CHIP R 56K J 1/10W		R765			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R606			RK73GB2A752J	CHIP R 7.5K J 1/10W		R766			RK73GB2A431J	CHIP R 430 J 1/10W	
R607			RK73GB2A470J	CHIP R 47 J 1/10W		R767			RK73GB2A390J	CHIP R 39 J 1/10W	
R608			RK73GB2A272J	CHIP R 2.7K J 1/10W		R768			RK73GB2A223J	CHIP R 22K J 1/10W	
R609			RK73GB2A750J	CHIP R 75 J 1/10W		R770			RK73GB2A133J	CHIP R 13K J 1/10W	
R610			RK73GB2A182J	CHIP R 1.8K J 1/10W		R771			RK73GB2A223J	CHIP R 22K J 1/10W	
R611			RK73GB2A361J	CHIP R 360 J 1/10W		R772			RK73GB2A221J	CHIP R 220 J 1/10W	
R612			RK73GB2A820J	CHIP R 82 J 1/10W		R800			RK73GB2A391J	CHIP R 390 J 1/10W	
R613			RK73GB2A123J	CHIP R 12K J 1/10W		R801			RK73GB2A242J	CHIP R 2.4K J 1/10W	
R614			RK73GB2A103J	CHIP R 10K J 1/10W		R803			RK73GH2A512D	CHIP R 5.1K D 1/10W	
R615			RK73GB2A223J	CHIP R 22K J 1/10W		R804			RK73GH2A472D	CHIP R 4.7K D 1/10W	
R616			RK73GB2A103J	CHIP R 10K J 1/10W		R805,806			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R617			RK73GB2A223J	CHIP R 22K J 1/10W		R807			RK73GB2A103J	CHIP R 10K J 1/10W	
R618			RK73GB2A820J	CHIP R 82 J 1/10W		R808			RK73GB2A113J	CHIP R 11K J 1/10W	
R619			RK73GB2A123J	CHIP R 12K J 1/10W		R809			RK73GB2A101J	CHIP R 100 J 1/10W	
R620,621			RK73GB2A361J	CHIP R 360 J 1/10W		R810			RK73FB2B152J	CHIP R 1.5K J 1/8W	
R622			RK73GB2A820J	CHIP R 82 J 1/10W		R811			RK73GB2A104J	CHIP R 100K J 1/10W	
R623			RK73GB2A123J	CHIP R 12K J 1/10W		R812			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-12/4242-7x)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
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	
R823			RK73FB2B1R0J	CHIP R 1.0 J 1/8W	
W201			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W401			R92-2053-05	CHIP R 0 OHM J 1/8W	E1E2
W751			R92-1252-05	CHIP R 0 OHM J 1/16W	
W754			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W900-903			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
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	
D101			DA227	DIODE	E1E2
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	
D207			02DZ5.6F-Y	ZENER DIODE	
D208,209			1SR154-400	DIODE	
D212,213			1SR154-400	DIODE	E1E2
D300			DA204U	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	
D705			STZ6.2N	ZENER DIODE	K
D705,706			STZ6.2N	ZENER DIODE	E1E2
D750-753			1SR154-400	DIODE	
D754,755			DAP222	DIODE	
D756-759			1SR154-400	DIODE	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
D800			UDZS6.8B	ZENER DIODE	
D801			DA227	DIODE	
D802			UDZS16B	ZENER DIODE	
IC1			XC6204B332MR	ANALOGUE IC	E1E2
IC3,4			NJM2864F05-ZB	ANALOGUE IC	E1E2
IC5			XC6204B332MR	ANALOGUE IC	E1E2
IC10			M5237ML-CF0J	ANALOGUE IC	
IC60			FA3687V	ANALOGUE IC	
IC80			LT3467A	ANALOGUE IC	
IC100			S-80836CNNB-J	MOS-IC	
IC102			30625MGA78GP	MICROCONTROLLER IC	K
IC102		*	30625MWWPA79GP	MICROCONTROLLER IC	E1E2
IC103			TC7W02FU-F	MOS-IC	
IC104			BR24L04FV-W	ROM IC	
IC200			TPD1018F-F	ANALOGUE IC	
IC300			E-TDA7415	ANALOGUE IC	
IC301,302			RC4580IDR	ANALOGUE IC	E1E2
IC303			AK7730A	MOS-IC	E1E2
IC304			TC74HC4050AFT	MOS-IC	E1E2
IC305			AK4359VF	MOS-IC	E1E2
IC306-308			RC4580IDR	ANALOGUE IC	E1E2
IC400			E-TDA7479AD	ANALOGUE IC	
IC450			LB1930M-E	ANALOGUE IC	
IC451			MMA6261QR2	ANALOGUE IC	K
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	

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-3730-12/4242-7x)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
Q200,201			DTA124EUA	DIGITAL TRANSISTOR		32	2B		D13-2172-13	RACK (GEAR)	
Q202			2SC4081	TRANSISTOR		33	2A		D14-0759-04	ROLLER	
Q204,205			2SC4081	TRANSISTOR		35	2B		D21-2382-04	SHAFT	
Q206			DTA123JK	DIGITAL TRANSISTOR		36	1A		D23-0954-04	RETAINER	
Q207			DTC144EUA	DIGITAL TRANSISTOR		37	1B		D39-0246-05	DAMPER	K
Q208			2SB1188 (Q,R)	TRANSISTOR	K	37	1B		D39-0260-05	DAMPER	E1E2
Q209			DTC114YUA	DIGITAL TRANSISTOR	K	47	3B		F09-1804-04	SHEET	E1E2
Q300			DTA114EUA	DIGITAL TRANSISTOR	E1E2	38	2B		G01-3072-04	EXTENSION SPRING	
Q402			2SB1689	TRANSISTOR		39	2A		G01-3073-04	TORSION COIL SPRING	
Q403			DTC124EUA	DIGITAL TRANSISTOR		40	2A		G01-3074-04	EXTENSION SPRING	
Q450			DTC114YUA	DIGITAL TRANSISTOR		41	1B		G01-3075-24	EXTENSION SPRING	
Q600			2SC4617	TRANSISTOR		42	2A		G01-3076-04	EXTENSION SPRING	
Q601			2SA1774	TRANSISTOR		43	1B		G01-3077-14	EXTENSION SPRING	
Q602			2SC4617	TRANSISTOR		44	2B		G02-1399-04	FLAT SPRING	
Q603			2SA1576A	TRANSISTOR		45	2B		G02-1408-04	FLAT SPRING	
Q604			2SC4081	TRANSISTOR		51	1A		J21-9676-32	MOUNTING HARDWARE	
Q605			2SA1576A	TRANSISTOR		52	3B		J21-9677-22	MOUNTING HARDWARE	
Q606			2SC4081	TRANSISTOR		53	1B		J21-9678-13	MOUNTING HARDWARE	
Q607			2SB1443	TRANSISTOR		55	1A		J90-1001-11	GUIDE	
Q608-613			DTC143TUA	DIGITAL TRANSISTOR		56	1B		J90-1023-03	GUIDE	
Q800			DTA124EUA	DIGITAL TRANSISTOR		DFPC1	3A		J84-0141-05	FLEXIBLE PRINTED WIRING BOARD	K
Q801			2SA1774	TRANSISTOR		DFPC1	3A		J86-0027-05	FPC (LEAD FREE)	E1E2
Q802			2SC2873-F	TRANSISTOR		A	2B		N09-4460-15	TAPTITE SCREW (T 2X8)	
TH750			PRF21BE471QB2	POSITIVE RESISTOR		B	1B		N09-4472-15	MACHINE SCREW (M1.7X8.0)	K
A1	2D		X86-3840-11	FRONT-END UNIT	K	B	1B	*	N09-4472-25	MACHINE SCREW (M1.7X8.0)	E1E2
A1	2D		X86-3842-70	FRONT-END UNIT	E1E2	C	2B		N09-6004-05	MACHINE SCREW (M1.7X2.5)	K
CD MECHANISM ASSY (X92-5100-00 : DXM-6800W) K											
(X92-5680-00 : DXM-6804WE) E1E2											
2	1B		A10-4827-32	CHASSIS		C	2B		N09-6004-15	MACHINE SCREW (M1.7X2.5)	E1E2
△ 999		*	B42-8238-04	STICKER		E	2B		N09-6007-15	MACHINE SCREW (M2X2)	
5	1B		D10-4576-83	ARM ASSY	K	F	1A		N09-6051-15	TAPTITE SCREW (P 2X5)	
5	1B		D10-4576-93	ARM ASSY	E1E2	G	2A		N19-2163-04	FLAT WASHER (1.6X6X0.2)	
8	2A		D10-4579-23	LEVER ASSY	K	H	1B		N39-2020-46	PAN HEAD MACHINE SCREW	K
8	2A		D10-4787-63	LEVER ASSY	E1E2	H	1B	*	N39-2020-48	PAN HEAD MACHINE SCREW	E1E2
10	3A		D10-4581-13	ARM		J	1B		N09-6108-15	TAPTITE SCREW (M2X3.5)	
11	2A		D10-4582-13	ARM		K	3B		N09-6155-15	SEMS (TAPTITE SCREW) (T 2X6)	
12	3A		D10-4583-03	ARM		DM1	3B		T42-1066-14	DC MOTOR ASSY (SP)	
13	3A		D10-4584-03	ARM		DM2	2B		T42-1067-14	DC MOTOR ASSY (LO)	
14	3B		D10-4585-03	ARM		DPU1	2B		X93-2010-00	OPTICAL PICKUP ASSY	K
15	2A		D10-4586-13	SLIDER		DPU1	2B		X93-2010-01	OPTICAL PICKUP ASSY	E1E2
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							

E1 : KDC-W8534 E2 : KDC-W8534Y (Europe)
K : KDC-X790 (North America)

△ Indicates safety critical components.

SPECIFICATIONS

KDC-W8534/W8534Y

FM

Frequency Range (Frequency step)	87.5MHz~108.0MHz (50kHz)
Usable Sensitivity (S/N 26dB)	0.7 μ V/75 Ω
Quieting Sensitivity (S/N 46dB)	1.6 μ V/75 Ω
Frequency Response (\pm 3.0dB)	30Hz~15kHz
S/N	65dB (MONO)
Selectivity	\geq 80dB (\pm 400kHz)
Stereo Separation	35dB (1kHz)

MW (AM)

Frequency Range (Frequency step) ...	531kHz~1611kHz (9kHz)
Usable Sensitivity (S/N 20dB)	25 μ V

LW

Frequency Range	153kHz~281kHz
Usable Sensitivity (S/N 20dB)	45 μ V

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 (\pm 1dB)
Total Harmonic Distortion	0.008% (1kHz)
S/N Ratio	110dB (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 ...	5000mV/10k Ω (CD/CD-CH)
Preout Impedance	\leq 80 Ω
Speaker Impedance	4~8 Ω

AUX Input

Frequency Response	20~20kHz \pm 1dB
Input Maximum Voltage	1200mV
Input Impedance	100k Ω

AMPLIFIER

Maximum Power	50w x 4
PWR DIN45324,+B=14.4V	30w x 4

TONE

Band1	60~200Hz \pm 9dB
Band2	250~1kHz \pm 9dB
Band3	1.25k~4kHz \pm 9dB
Band4	5k~16kHz \pm 9dB

GENERAL

Operating voltage (11~16v allowable)	14.4V
Current Consumption	10A
Installation Size (W x H x D)	182 x 53 x 155mm
Weight	1.50kg (3.31lbs)

KDC-X790

FM

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

AM

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

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 (\pm 1dB)
Total Harmonic Distortion	0.008% (1kHz)
S/N Ratio	110dB (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 ...	5000mV/10k Ω (CD/CD-CH)
Preout Impedance	\leq 80 Ω
Speaker Impedance	4~8 Ω

AUX Input

Frequency Response	20~20kHz \pm 1dB
Input Maximum Voltage	1200mV
Input Impedance	100k Ω

AMPLIFIER

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

TONE

Bass	100Hz \pm 8dB
Middle	1kHz \pm 8dB
Treble	10kHz \pm 8dB

GENERAL

Operating voltage (11~16V allowable)	14.4V
Current Consumption	10A
Installation Size (W x H x D)	182 x53 x155mm 7-3/16 x 2-1/16 x 6-1/8inch
Weight	1.50kg (3.31lbs)

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

