

CD RECEIVER

KDC-W7534U/W7534UY KDC-X890/X9533U

KENWOOD

Kenwood Corporation

SERVICE MANUAL

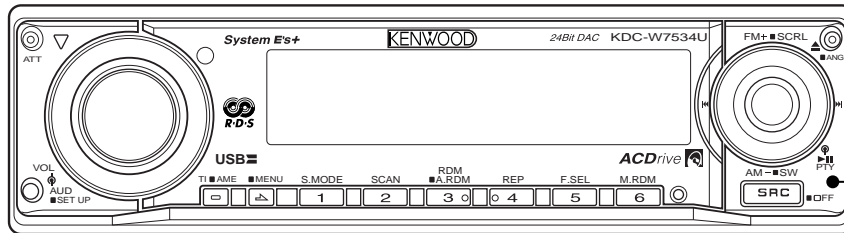
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B53-0396-00 (N) 960

TDF PANEL INFORMATION

MODEL	TDF PANEL No.	TDF NAME
KDC-W7534U/W7534UY	Y33-2530-62	TDF-W7534U
KDC-X890	Y33-2530-60	TDF-68DX
KDC-X9533U	Y33-2530-63	TDF-X9533U

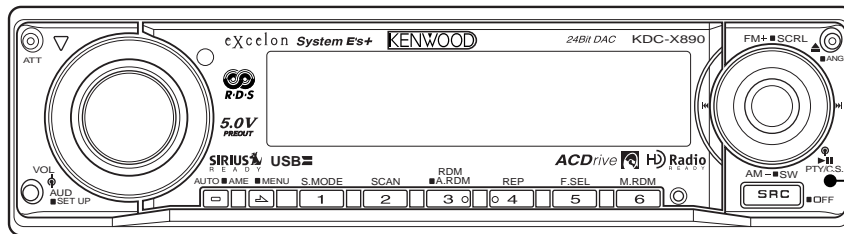
CD MECHANISM EXTENSIONCORD (30P) : E39-0812-05

KDC-W7534U
KDC-W7534UY
(E type)



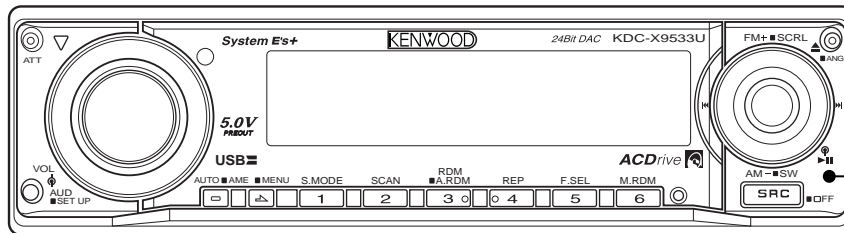
Panel assy
(A64-3738-02)

KDC-X890
(K type)



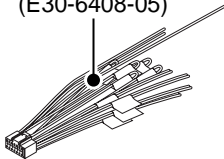
Panel assy
(A64-3736-02)

KDC-X9533U
(M type)

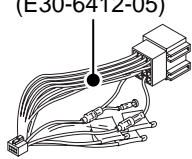


Panel assy
(A64-3739-02)

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



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



Remote controller assy
(A70-2067-15)

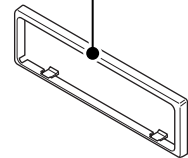


RC-527

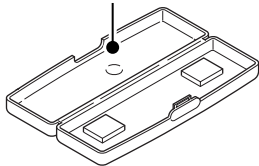
SIZE AA BATTERY
(Not supplied)



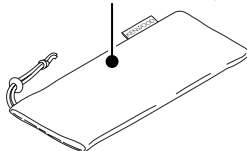
Escutcheon
(B07-3125-01)



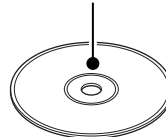
Plastic cabinet assy (M type)
(A02-2732-03)



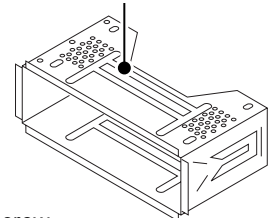
Carrying case
(W01-1661-05): E type
(W01-1664-05): K type



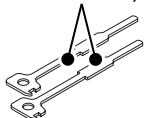
Compact disc
(W01-1673-05): K,M type
(W01-1674-05): E type



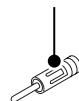
Mounting hardware assy
(J21-9716-03)



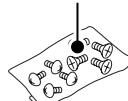
Lever
(D10-4589-04) x2



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



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



Tapping screw
(N09-6280-05)

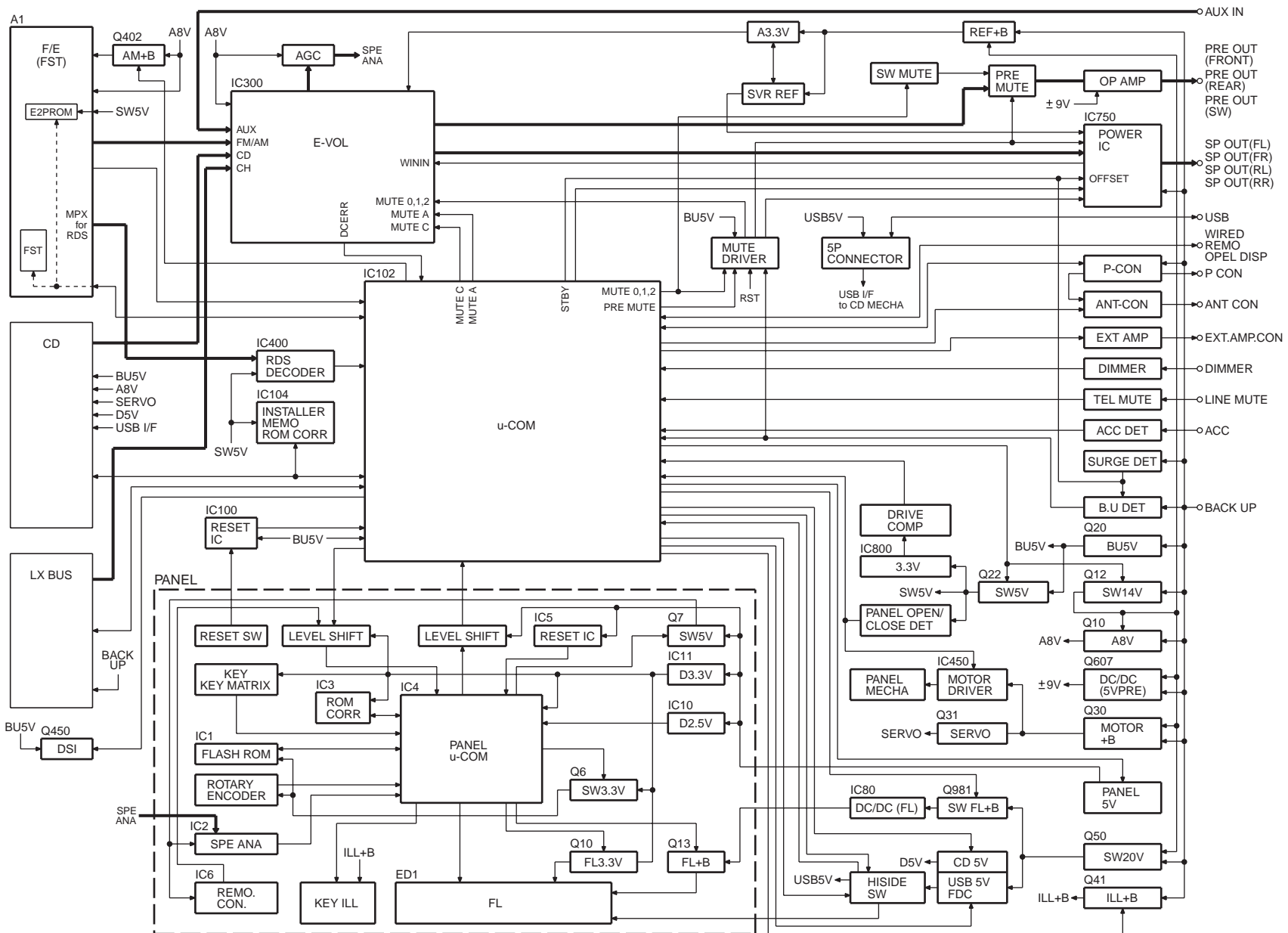


This product uses Lead Free solder.



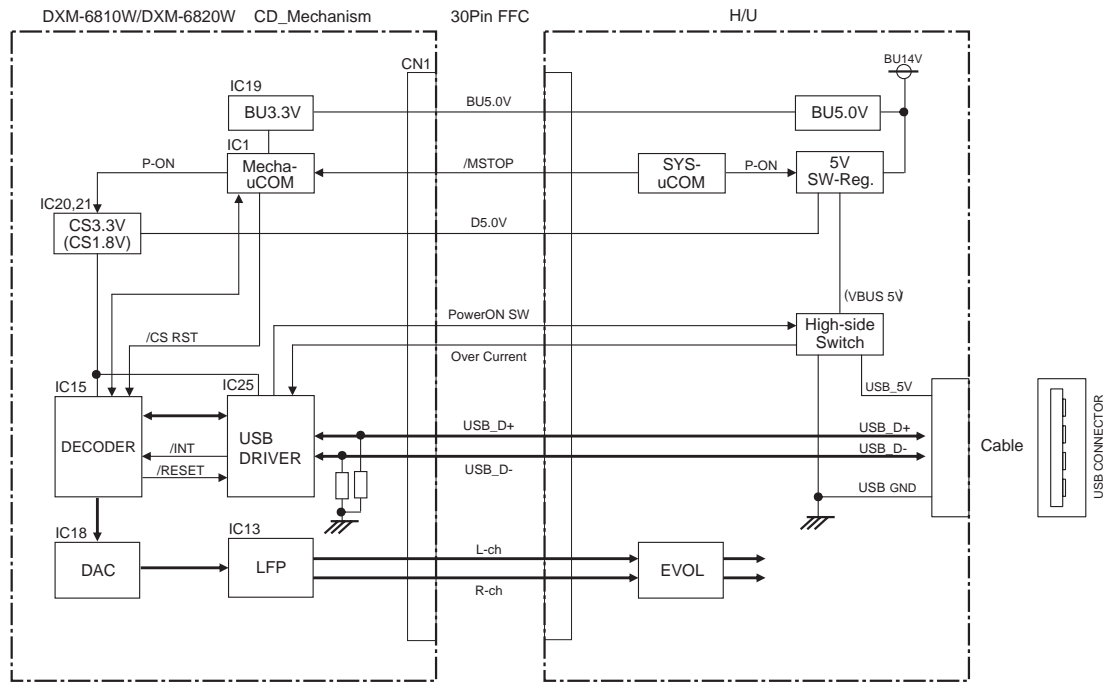
BLOCK DIAGRAM

● Complete view

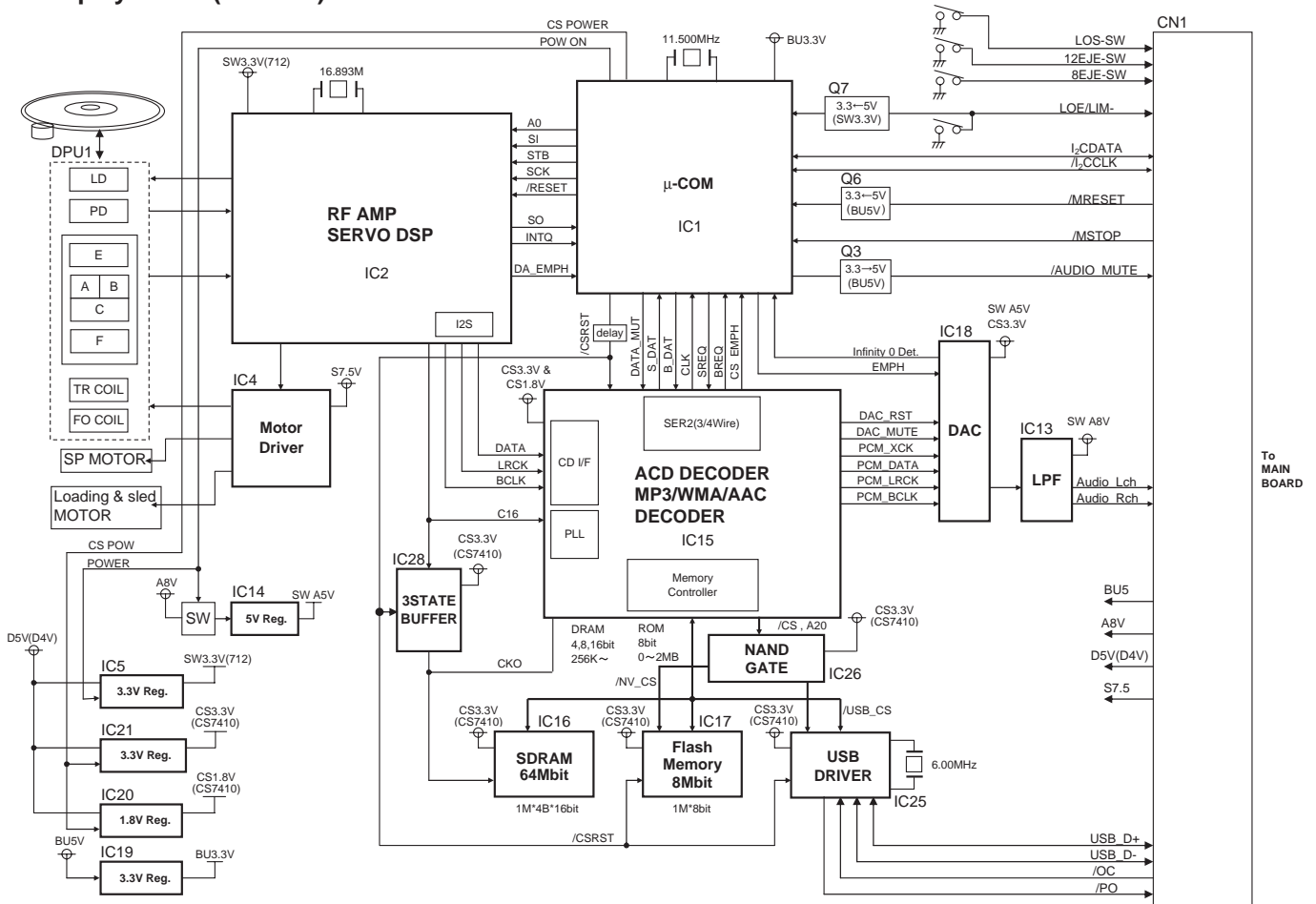


BLOCK DIAGRAM

● AC Drive + USB Mechanism unit



● CD player unit (X32-587)



COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-410x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility																	
IC10	Audio8V Ref Power Supply	Output 1.27V.																	
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/USB mechanism, Panel, volume and tone.																	
IC103	Muting logic IC	Controls logic for muting.																	
IC104	EEPROM	For installer's memory																	
IC200	Power Control IC	Power control switch																	
IC300	Electrical Volume & Source Selector	Controls the source, volume, and tone.																	
IC400	RDS decoder																		
IC450	Panel mecha motor driver	Panel mecha control <table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2">IN</th> <th rowspan="2">Panel mecha</th> </tr> <tr> <th>IN1</th> <th>IN2</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>	IN		Panel mecha	IN1	IN2	L	L	WAIT	L	H	OPEN	H	L	CLOSE	H	H	STOP
IN		Panel mecha																	
IN1	IN2																		
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	Audio 3.3V 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.																	
IC901	Switching Regulator Controller	Power Supply for VFD USB5V & Mecha digital. CH1: VFD & USB5V (5.1V) CH2: Mecha digital (DXM-68*: 5.1V)																	
IC951	Power control IC	USB power control switches with over current detection and protection.																	
Q10,11	Audio8V AVR	When Q11' 2pin 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.																	
Q34	SW14V	When Q12' 2pin goes Hi, SW14V outputs 14V.																	
Q40,42,45	Panel5V AVR	When Q42' 2pin goes Hi, Panel5V AVR outputs 5V.																	
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 (BU-0.6) V.																	
Q91	Panel5V Discharge SW	When Q91'base goes Hi, Panel 5V is discharged.																	
Q100,101	Panel Detect SW	When Q100'base goes Lo, panel is detected.																	
Q201	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.																	

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility									
Q204	Surge Detect SW	When Q204'base goes Hi, Surge voltage is detected.									
Q205	B.U Detected SW	When Q35'base goes 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.									
Q210	Pre-out mute driver	When a base goes Lo, mute driver is turned on.									
Q402,403	AM+B SW	When Q403'base goes 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.									
Q500	Spectrum analyzer AGC Controller	When this circuit has an excessive input, a return is hung and an output is reduced.									
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.									
Q608-615	Pre-out mute SW	When a base goes 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.									
Q901	VFD&USB5V AVR SW	When base goes Hi, VFD & USB5V AVR on.									
Q902	Mecha digital AVR SW	When base goes Hi, Mecha digital AVR on. * DXM-680* : 5V									
Q903	Switching Regulator frequency control SW (IC901)	<table border="1"> <tr> <td>2pin \ 1pin</td> <td>L</td> <td>H</td> </tr> <tr> <td>L</td> <td>430kHz</td> <td>600kHz</td> </tr> <tr> <td>H</td> <td>650kHz</td> <td>820kHz</td> </tr> </table>	2pin \ 1pin	L	H	L	430kHz	600kHz	H	650kHz	820kHz
2pin \ 1pin	L	H									
L	430kHz	600kHz									
H	650kHz	820kHz									
Q981-983	SW16V (Surge Protection)	When Q983'2 pin goes Hi, SW16V outputs (BU-0.6) V.									

● SWITCH UNIT (X16-354x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	ROM IC FLASH ROM IC	Graphics data included
IC2	SPECTRUM	6ch band pass filter
IC4	PANEL μ -COM	
IC5	RESET IC	When panel is attached, IC5 active
IC6	REMOTE CONTROL IC	Remote control receiver
IC7	BUFFER IC	It is change into 3.3V from 5V
IC8	BUFFER IC	It is change into 5V from 3.3V
IC9	BUFFER IC	For Control ED1
IC10	2.5V REGULATOR	The power supply For 2.5V
IC11	3.3V REGULATOR	The power supply For 3.3V
Q1	TRIANGLE GREEN LED SW	Triangle green LED is lighting when Q1's base level goes "H"

COMPONENTS DESCRIPTION

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

● CD PLAYER UNIT (X32-5870-00)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Mechanism μ -COM	
IC2	Signal Processor	
IC4	BTL Driver	Spindel motor, sled (including loading & eject) motor and pick-up actuator
IC5	SW3.3V Regulator	3.3V power supply for IC2, pick-up, IC18 digital part
IC13	Audio Active Filter	2nd LPF
IC14	A5V Regulator	3.3V power supply for DAC
IC15	DSP for Compression Audio Decoder	ACDrive decoder, MP3/WMA/AAC decoder
IC16	Compression Audio Codec SDRAM	
IC17	Decoder Software & Unique ID Strage Flash ROM	
IC18	Audio D-A Converter (24-bit external)	External 24-bit for audio
IC19	BU3.3V Regulator	3.3V power supply for μ -com
IC20	1.8V Regulator	1.8V power supply for IC15 core part
IC21	Decoder/SDRAM/Flash ROM/USB Driver 3.3V Regulator	Power supply for decoder, SDRAM, flash ROM and USB driver. 3.3V power supply for IC15 port parts, IC16, IC17, IC25, IC26 and IC28.
IC25	USB Host Controller	
IC26	Switching among IC15 & Flash ROM & SDRAM & USB	For DSP for Compression Audio Decoder, Flash ROM, SDRAM and USB
IC28	Clock SW	To SDRAM
Q3	Level Shift 3.3V \rightarrow 5V	
Q6,7	Level Shift 3.3V \rightarrow 5V	
Q8	APC (Auto Power Control)	
Q9,10	Anticipation Sub-beam Delay	During non-searching
Q16	Logic Inverter	μ -com "ZERO" terminal
Q17	USB Hi-side SW	
Q18	Logic Inverter	For DACMUTE terminal
D2	Static Electricity Countermeasure	For IC2 built-in reset terminal
D3	Laser Diode Protection	
D9	Static Electricity Countermeasure	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM MICROCOMPUTER 30625MGPA87GP (X34- : IC102)

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing/Operation/Description
1	VREF	μCOM	-	A/D analog reference voltage		
2	AVCC	μCOM	-			
3	LX_DATA_S	LX_M	I	Data from slave unit		
4	LX_DATA_M	LX_M	O	Data to slave unit		
5	LX_CLK	LX_M	I/O	LX BUS clock		
6	NC		O	Not used when no WIRED_REMO		Output L fixed
7	LX_MUTE	LX_M	I	MUTE request from slave unit		H: Mute ON, L: Mute OFF
8	AUD_SDA	AUDIO	O	E-VOL data output terminal		SPI communication
9	AUD_SEL	AUDIO	O	E-VOL control terminal		SPI communication
10	AUD_SCL	AUDIO	O	E-VOL clock output terminal		SPI communication
11,12	NC		O	Not used		Output L fixed
13	BYTE	μCOM	-			
14	CNVSS	μCOM	-			
15	XCIN	μCOM	I			32768kHz
16	XCOU	μCOM	I			32768kHz
17	RESET	μCOM	I			
18	XOUT	μCOM	-			12MHz
19	VSS	μCOM	-			
20	XIN	μCOM	-			12MHz
21	VCC1	μCOM	-			
22	NMI	μCOM	I	Not used		
23	PANEL_DET	EXTRA	I	For 1 DIN: Panel detection		H: PANEL detached, L: PANEL attached
24	RDS_CLK	TUNER	I	RDS decoder CLK input terminal		
24	NC		O	Not used		L-output for models without RDS/RBDS
25	LX_REQ_S	LX_M	I	Communication request from slave unit		
26	PON_AM	Power supply	I/O	AM power supply control		H: When AM, Hi-z: When not AM
27	LX_REQ_M	LX_M	O	Communication request to the slave unit		
28	TUN_IFC_OUT	TUNER	I	F/E IFC OUT input terminal		H: Station found, L: Station not found
29	NC		O	Not used		Output L fixed
30	RDS_AFS_M	TUNER	I/O	Switching constant when noise detected	④	Refer to the truth value table
31	RDS_QUAL	TUNER	I	RDS decoder QUAL input terminal		
31	NC		O	Not used in models without RDS/RBDS		L-output for models without RDS/RBDS
32	RDS_DATA	TUNER	I	RDS decoder DATA input terminal		
32	NC		O	Not used in models without RDS/RBDS		L-output for models without RDS/RBDS
33	PWIC_BEEP	PWIC	O	Beep output		
34	TUN_SCL	TUNER	I/O	F/E I2C clock input/output terminal		
35	TUN_SDA	TUNER	I/O	F/E I2C data input/output terminal		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing/Operation/Description
36	SYS_DATA	toPANEL	O	Inter-panel communication data output terminal		Data output (MAX500kbps)
37	VCC1	μCOM	-			
38	PAN_DATA	toPANEL	I	Inter-panel communication data input terminal		Data input (MAX500kbps)
39	VSS	μCOM	-			
40	SYS_REQ	toPANEL	O	Communication request terminal from system μ-com		
41	PAN_REQ	toPANEL	I	Communication request terminal from panel		
42	SDA/CD_SDA	CD	I/O	CD mechanism I2C data input/output terminal		
42	SDA/INST_SDA	EXTRA	I/O	E2PROM I2C data input/output terminal		
43	SCL/CD_SCL	CD	I/O	CD mechanism I2C clock output terminal		
43	SCL/INST_SCL	EXTRA	I/O	E2PROM I2C clock output terminal		
44	PON_PANEL	Power supply	I/O	Panel 5V control terminal		H: ON, Hi-Z: Momentary power down, when panel detached (1DIN), 11 min. after ACC_OFF
45	DSI	EXTRA	I/O	(D) SI control terminal for 1DIN		
46-49	NC		O	Not used		Output L fixed
50	PM_MOT1	P-MECHA	O	1DIN panel motor control 1	②	Refer to the truth value table
51	PM_MOT2	P-MECHA	O	1DIN panel motor control 2	②	Refer to the truth value table
52	EPM	μCOM	I	FLASH EPM input terminal		
53	PM_OPEN	P-MECHA	I	1DIN panel full-open detection	③	Refer to the truth value table
54	NC (CUR DET)		O	Not used		Output L fixed
55	SW_FDC	Power supply	I/O	FL tube filament power supply control terminal		ON: H OFF, Display black out: Hi-Z
56	NC(SW_USB)		O	Not used		Output L fixed
57	P5V_DIS	Power supply	I/O	PANEL 5V discharge control for 1DIN Reset securing when power OFF		H: Discharge, Hi-Z: Other
58	PM_CLOSE	P-MECHA	I	Panel mechanism close detection for 1DIN	③	Refer to the truth value table
59	ROMCOR_DET	EXTRA	I	E2PROM writing-in request		H: Writing-in
60	PM_DET	P-MECHA	I	Panel mechanism detection for 1DIN		H: While checking function
61	SC_CON	toPANEL	O	Inter-panel communication control (CE when FLASH)		POWER OFF, ACC OFF: L
62	NC		O	Not used		Output L fixed
63	TUN_TYPE1	TYPE	I	Destination setting 1	⑤	Refer to the truth value table
64	TUN_TYPE2	TYPE	I	Destination setting 2	⑤	Refer to the truth value table
65,66	NC		O	Not used		Output L fixed

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing/Operation/Description
67	CD_DISC12_SW	CD	I	CD disc detection terminal (12cm)		
68	CD_LOS_SW	CD	I	CD loading detection terminal		
69	CD_MUTE_R	CD	I	CD MUTE (Rch) request terminal		L: Rch mute request
70	CD_MUTE_L	CD	I	CD MUTE (Lch) request terminal		L: Lch mute request
71	CD_MRST	CD	O	CD mechanism μ -com RST terminal		H: Normal, L: RESET
72	CD_MSTOP	CD	O	CD mechanism μ -com stop terminal		H: Mechanism μ -com in operation L: Mechanism μ -com stop
73	NC	CD	O	(other than J)		Output L fixed when other than J
74	CD_LOE_LIM_SW	CD	I	CD detection terminal (chucking SW)		H: Loading completed, L: No disc
75	CD_LOEJ	CD	I/O	CD motor control terminal	①	Refer to the truth value table
76	CD_MOTOR	CD	O	CD motor control terminal	①	Refer to the truth value table
77	PON_ILLUMI	Power supply	I/O	Key illumi power supply control		H: ON, Hi-Z: OFF
78	PON_CD	Power supply	I/O	Power supply control terminal for CD WMA		L: When CD source Hi-Z: When other than CD source
79	PON	Power supply	O	Power supply control		POWER ON: H, POWER OFF: L
80	PON_FL+B	Power supply	O	Power supply control terminal for FL tube bias		POWER ON: H POWER OFF, Display black out: L
81	PON_FDC_USB	Power supply	I/O	FL tube filament power supply USB VBUS Main power supply control terminal		POWER ON: L POWER OFF Display black out: Hi-Z
82	F_SEL1	EXTRA	O	SW-Reg frequency switching	⑦	Refer to the truth value table
83	F_SEL2	EXTRA	O	SW-Reg frequency switching	⑦	Refer to the truth value table
84	DIAG	Power supply	I/O	PCON over-current monitoring		
85	VCC2	μ COM	-			
86	EXT_AMP_CON	EXTRA	I/O	EXTERNAL AMP control		
87	VSS	μ COM	-			
88-91	TYPE_1-4	TYPE	I	Destination switching	⑥	Refer to the truth value table
92	NC		O	Not used		Output L fixed
93	OEM_DISP_DATA	EXTRA	I/O	External display DATA		External display
93	NC		O	Not used with DISP OUT		Output L fixed
94	OEM_DISP_CLK	EXTRA	I/O	External display CLK		External display
94	NC		O	Not used with DISP OUT		Output L fixed
95	OEM_DISP_CE	EXTRA	I/O	External display control request		External display
95	NC		O	Not used with DISP OUT		Output L fixed
96	NC		O	Not used		Output L fixed
97	P_CON	Power supply	O	External amplifier control terminal		POWER ON: H, POWER OFF: L, ALL OFF: L
98	NC		O	Not used		Output L fixed
99	ANT_CONT	EXTRA	O	Power antenna control		TUNER ON: H

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing/Operation/Description
100	ILLUMI_DET	EXTRA	I	Dimmer illumi detection		L: ON, H: OFF
101	BU_DET	EXTRA	I	Momentary power down detection		L: BU found, H: BU not found, momentary power down
102	ACC_DET	EXTRA	I	ACC power supply detection		L: ACC ON, H: ACC OFF
103	(PWIC_SVR)	PWIC	O	SVR discharging circuit		H: For 5 seconds at POWER OFF momentary power down, L: Thereafter
104	PWIC_MUTE	PWIC	O	Power ICMUTE terminal		L: While STANDBY source, momentary power down, L: While TEL MUTE
105	PWIC_STBY	PWIC	O	Power IC standby control		POWER ON: H, POWER OFF: L
106	LX_CON	LX_M	O	Start-up request to slave unit		H: Slave unit ON, L: Slave unit OFF
107	MUTE_PRE_R	AUDIO	O	PRE_OUT MUTE Rch		L: When M MUTE R is L (while CD) L: At momentary power down, Fixed to H: Only when 2 zone or NAVI interruption
108	MUTE_PRE_L	AUDIO	O	PRE_OUT MUTE Lch		L: When M MUTE L is L (while CD) L: At momentary power down, Fixed to H: Only when 2 zone or NAVI interruption
109	MUTE_0	AUDIO	O	E-VOL FRONT MUTE terminal		ON: L, OFF: H
110	MUTE_1	AUDIO	O	E-VOL REAR MUTE terminal		ON: L, OFF: H
111	MUTE_2	AUDIO	O	E-VOL SW MUTE terminal		ON: L, OFF: H
112	MUTE_A	AUDIO	O	E-VOL SPEANA MUTE terminal		ON: L, OFF: H
113	MUTE_PRE_SW	AUDIO	O	PRE_OUT MUTE SUB		L: ON, H: OFF L: At momentary power down Use in conjunction when using MUTE2 (anti- MUTE2 shock noise measure)
114	MUTE_AFS	AUDIO	O	AFS MUTE terminal		IC2's MUTE C is used L: ON, H: OFF, Decay time constant 0.5ms
115~119	NC		O	Not used		Output L fixed
120	LINE_MUTE	EXTRA	I	Line mute detection		TEL MUTE: 1V or lower (J: NAVI MUTE) NAVI MUTE: 2.5 V or higher (all destinations)
121	NC		O	Not used		Output L fixed
122	PWIC_DC_DET	PWIC	I	DC offset detection terminal		
123	LX_RST	LX_M	O	Hardware-reset to slave unit		H: Reset, L: Normally
124	G_Y_OUT	EXTRA	I			
124	NC		O	Not used when without G sensor		Output L fixed
125	G_X_OUT	EXTRA	I			
125	NC		O	Not used when without G sensor		Output L fixed
126	RDS_NOISE	TUNER	I	FM noise detection terminal		
127	AVSS	μCOM	-			
128	TUN_SMETER	TUNER	I	S meter input		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Truth value table

① CD_MOTOR, CD_LOEJ

	CD_MOTOR	CD_LOEJ
Standby	L	L
Eject	H	H
Load	H	L
Brake	H	Hi-z

② PANEL MOTOR control

	OPEN	CLOSE	STOP	WAIT
PM_MOT1	L	H	H	L
PM_MOT2	H	L	H	L

③ PANEL MECHANISM control

	FULL_OPEN	FULL_CLOSE	OTHER
PM_OPEN	H	L	L
PM_CLOSE	H	L	H

④ AFS processing

	RDS_AFS_M	RDS_AFS_L	Status
AFS LOW	L	L	No sound output in AF search
AFS MID	L	Hi-Z	Sound output in AF search
AFS HIGH	Hi-Z	Hi-Z	Normal reception

⑤ TUN TYPE setting

	type1	type2
Kenwood brand model	L	L
Setting for OEM 1	L	H
Setting for OEM 2	H	L
Setting for OEM 3	H	H

⑥ DESTINATION TYPE

Destination	TYPE1	TYPE2	TYPE3	TYPE4
KDC-X890	1	0	0	0
KDC-MP832U	0	0	1	0
KDC-X9533U	0	1	1	0
DPX701U	0	0	0	1
DPX701UY	1	0	0	1
KDC-W7534U	0	1	0	1
KDC-W7534UY	1	1	0	1
U717	0	0	1	1
DPX-U099	1	0	1	1
DPX701	0	1	1	1
DPX-MP7090U	1	1	1	1

⑦ Frequency Transition

K Type, M Type (10kHz space)

Reception frequency	FSEL1	FSEL2
All status excluding 530-690 AM source	L	L
700-1020,1390-1530	H	L
1540-1700	L	H
1030-1380	H	H

E Type, M Type (9kHz space)

Reception frequency	FSEL1	FSEL2
All status excluding 522-675, MW	L	L
684-1017,1386-1530	H	L
1539-1629	L	H
1026-1377	H	H

MICROCOMPUTER'S TERMINAL DESCRIPTION

● PANEL MICROCOMPUTER 703134AGJ011A (X16- : IC4)

Pin No.	Pin Name	I/O	Application	Processing/Operation/Description
1~7	D14~D8	I/O	Data input/output	
8	3.3VDD	-	3.3V	
9	VSS	-		
10~17	D7~D0	I/O	Data input/output	
18	FLGCP1	O	FL tone control	Control lighting time (brightness tone) with the pulse interval GCP=FLGCP1+FLGCP2
19	NC	O		Output L fixed
20	SYS_REQ	I	System μ -com communication request input	H: While in data communication
21	SC_CON	I	System μ -com communication, panel operation control	H: Panel operation
22	FL_BK	O	FL BK control	H: FL on, L: off
23	2.5VDD	-	2.5V	
24	VSS	-		
25	NC	O	Not used	Output L fixed
26,27	KS1,KS2	I/O	Key scan output	Output: L, Hi-z: Switching
28,29	TD0,TD1	O	Used when debugging	NC while in normal operation
30,31	KS3,KS4	I/O	Key scan output	Output: L, Hi-z: Switching
32	TRST	I	Used when debugging	H or L when debugging
33	ROTARY_CCW	I	Rotary B input	1 pulse/2 click 15 pulse/360°
34	ROTARY_CW	I	Rotary A input	1 pulse/2 click 15 pulse/360°
35	TMS	O	Used when debugging	NC while in normal operation
36	TCM	O	Used when debugging	NC while in normal operation
37	3.3VDD	-		
38	EVSS	-		
39	KS5	I/O	Key scan output	Output: L, Hi-z: Switching
40~42	KR1~KR3	I	Key return input	
43	FLGCP2	O	FL tone control	Control lighting time (brightness tone) with the pulse interval GCP=FLGCP1+FLGCP2
44	PAN_REQ	O	Panel communication request output	H: While in data communication
45	SYS_DATA	I	Data reception from system μ -com	UART communication 500kbps
46	PAN_DATA	O	Data transmission from the panel	UART communication 500kbps
47	FL_CLK	O	FL serial communication reference clock	Reference clock 4.125MHz@66MHz
48	KR4 INT	I	Key return input	Can interrupt
49	FL_DATA1	O	FL serial control data SI1	
50	CLK_IN3	I	Serial sync clock input	Sync to FL_CLK
51	FL_EN	O	FL skip shift control	H or Hi-Z: Skip odd numbers, L: Skip even numbers
52	FL_DATA2	O	FL serial control data SI2	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing/Operation/Description
53	CLK_IN2	I	Serial sync clock input	Sync to FL_CLK
54	FL_LAT	O	FL latch control	
55	FL_DATA3	O	FL serial control data SI3	
56	3.3VDD	-		
57,58	X2,X2	I	Clock input	6.6MHz, internally 66MHz
59	CVSS	-		
60	CKSEL	I	Clock generator operational mode input	Direct connection to GND
61	PSEL	I	Input frequency selection when PLL mode	VDD connection when the main clock is 5.5MHz or above GND for other frequencies
62	2.5VDD	-		
63	VSS	-		
64	MODE0	I	μ-com operation mode input	Direct connection to GND
65	MODE1	I	μ-com operation mode input Used when debugging	H: Writing-in
66	PAN_RST	I	Input from reset IC	Cancel after 100msec after PON_PANON Reset after 60μsec after PON_PANOFF
67	AVDD1	I	D/A conversion reference voltage	Connect with D3.3V
68,69	NC	I	Input-dedicated terminal	Pull-down
70,71	AVSS1,AVSS0	-	D/A conversion reference GND	Direct connection to GND
72	AVDD0	I	A/D conversion reference voltage	Connect with D3.3V
73	WAVE_IN	I	Audio 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	TYPE_2	I	1DIN setting	L: 1DIN
81	2.5VDD			
82	VSS			
83	NC	O	Not used	Output L fixed
84	TYPE_1	I	With/without customize destination setting	H: Flash ROM, L: Mask ROM
85	NC	O		
86	REMO	I	Remote control signal input	Detect with pulse width
87	PON_FL+B	O	FL bias power switch	H: ON, L: OFF
88	PON_FLVDD	I/O	FL logic power switch	H: ON, Hi-Z: OFF
89	PON_5V	I/O	5V power switch	Remote control IC, Spectrum analyzer IC power supply H: ON, Hi-Z: OFF
90~93	NC	O	Not used	Output L fixed
94	WE	I/O	Memory data writing-in permission	L: Writing-in, H: Wait, Hi-Z when starting up at SW3.3

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing/Operation/Description
95	OE	I/O	Memory data transmission permission	L: Send data, H: Wait, Hi-Z when starting up at SW3.3
96,97	NC	O	Not used	Output L fixed
98	3.3VDD			
99	VSS			
100	FROMCHK	O	For product technology implementation checking	Repeat H and L before finalizing OK: H, NG: L (checkland needed) Refer to the Test Mode Specification
100	NC	O	Not used when MASKROM	Output L fixed
101	CE	I/O	Memory operation permission	L: Operate, H: Wait, Hi-Z when starting up at SW3.3
102~104	NC	O	Not used	Output L fixed
105	ROMCOR_SCL	I/O	For ROM correction	Input when other than writing in (including STB) Hi-Z when starting up at SW3.3
106	ROMCOR_SDA	I/O	For ROM correction	Input when other than writing in (including STB) Hi-Z when starting up at SW3.3
107	NC (SEL_E2P)	O	Not used	Output L fixed
108	PON_TRI_GREEN	I/O	Triangle green light on switch	H: ON, Hi-Z: OFF, On when blackout
109	PON_TRI_RED	I/O	Triangle red light on switch	H: ON, Hi-Z: OFF
110	PON_BLUE	I/O	Blue sub illumi light on switch	H: ON, Hi-Z: OFF
111	SA_RST	O	Spectrum analyzer IC reset	H: Reset, L: Normal (spectrum analyzer IC's RST should be 1.8V or higher)
112	3.3VDD			
113	EVSS			
114	PON_GREEN	I/O	Green LED light on switch	H: ON, Hi-Z: OFF
115	PON_RED	I/O	RED LED light on switch	H: ON, Hi-Z: OFF
116	PON_SW3V	I/O	Kanji ROM, ROM correction rotary encoder power supply	L: ON, Hi-Z: OFF
117	NC	O	Not used	Output L fixed
118~123	A21~16	O	Address output	
124	2.5VDD			
125	VSS			
126~133	A15~A8	O	Address output	
134	3.3VDD			
135	EVSS			
136~142	A7~A1	O	Address output	
143	NC	O	Not used	Output L fixed
144	D15	I/O	Data input/output	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● MECHANISM MICROCOMPUTER M30620FCPGP (X32-: IC1)

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
1~5	NC	-	Not used	Opened output L fixed
6	BYTE	I	External data bus SW input	Connects to GND
7	CNVSS	I	Processor mode SW	L: Single chip mode H: Microprocessor mode or flash ROM writing
8	$\overline{\text{MUTE}}$	O	Audio mute control	L: Mute ON, H: Mute OFF
9	NC	-	Not used	Opened output L fixed
10	$\overline{\text{RESET}}$	I	Reset detection	L: Reset (Flash ROM writing), H: Normal
11	XOUT	O	Main clock output	Connects to resonator
12	VSS	-	Power supply input	Connects to GND
13	XIN	I	Main clock input	Connects to resonator
14	VCC1	-	Power supply input	Connects to BU3.3V
15	$\overline{\text{NMI}}$	I	NMI interruption input	Input Hi (Pull-up) fixed
16	$\overline{\text{MSTOP}}$	I	STANDBY comeback interruption	L: Stop, H: Stop cancelled (Hi edge)
17	NC	-	Not used	Opened output L fixed
18	DSP INT	I	DSP interruption signal input	H: Interruption (Hi edge)
19~22	NC	-	Not used	Opened output L fixed
23	E2P SCL	I/O	E2P I2C clock output	Series resistors and E2PROM are not built when ROM collection is not used.
24	E2P SDA	I/O	E2P I2C data input and output	Series resistors and E2PROM are not built when ROM collection is not used.
25,26	NC	-	Not used	Opened output L fixed
27	SCL	I	System μ -com I2C clock input	
28	SDA	I/O	System μ -com I2C data input and output	
29	DSP TXD	O	Data output for DSP serial data	Flash ROM writing: TXD (Pull-up)
30	DSP RXD	I	Data input for DSP serial data	Flash ROM writing: RXD
31	DSP CLK	O	Clock output for DSP serial data	Flash ROM writing: SCLK(Pull-up)
32	DSP STB(BUSY)	O	DSP data strove signal output	Flash ROM writing: BUSY
33	CS SDATA	O	Data output for decoder serial data	
34	CS BDATA	I	Data input for decoder serial data	
35	CS CLK	O	Clock output for decoder serial data	
36~38	NC	-	Not used	Opened output L fixed
39	$\overline{\text{EPM}}$	-	Not used (Flash ROM: EPM)	Opened output L fixed
40	PON D3.3	O	D3.3V POWER ON control	H: POWER ON, L: POWER OFF
41	PON A5	O	A5.0V POWER ON control	H: POWER ON, L: POWER OFF
42	PON CS1	O	IC15 series 3.3V POWER ON control	H: POWER ON, L: POWER OFF
43	PON CS2	O	IC15 series 1.8V POWER ON control	H: POWER ON, L: POWER OFF
44	$\overline{\text{CE}}$	-	Not used (Flash ROM: CE)	Opened output L fixed
45	$\overline{\text{DRV MUTE}}$	O	Driver mute	L: Stop, H: Mute OFF
46,47	NC	-	Not used	Opened output L fixed

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
48	ZERO M	I	0-bit mute detection	H: Mute ON, L: Mute OFF (No distinction of Lch/Rch)
49	DE-EMPHASIS	O	DAC de-emphasis control	H: De-emphasis ON, L: De-emphasis OFF
50,51	NC	-	Not used	Opened output L fixed
52	LIM SW	I	Laser pick-up inner circumference detection SW signal input	H: Inner circumference
53	DISC NORMAL	O	Media discrimination result output (Not used)	H: Normal disc, L: Other disc
54	DISC H RW	O	Media discrimination result output (Not used)	H: High reflecting RW disc, L: Other disc
55	DISC RW	O	Media discrimination result output (Not used)	H: Normal RW disc, L: Other disc
56~59	TEST OUT4~1	O	Output for test	Opened output L fixed
60	VCC2	-	Power supply input	Connects to BU3.3V
61	TEST OUT0	O	Output for test	Opened output L fixed
62	VSS	-	Power supply input	Connects to GND
63~66	NC	-	Not used	Opened output L fixed
67	TEST IN3	I	TEST IN3	Pull-down connection (L: Normal/H: During test)
68	MODEL SEL	I	Model determination	L: DXM-6810W (X32-583), H: DXM-6820W (X32-587)
69	E2P WRITE	I	TEST IN1: E2P writing permission	Pull-down connection (L: Normal/H: During writing)
70	UNIQ ID	I	TEST IN0: Unique ID writing permission	Pull-down connection (L: Normal/H: During writing)
71~73	NC	-	Not used	Opened output L fixed
74	SEARCH	O	Searching situation output	H: During searching, L: Normal
75,76	NC	-	Not used	Opened output L fixed
77	$\overline{\text{DSP RST}}$	O	DSP reset control	L: Reset, H: Normal
78	DSP A0	O	DSP command/parameter discrimination signal output	H: During parameter transmitting L: During command transmitting
79	DA EMPHASIS	I	DSP DA emphasis input	H: emphasis ON, L: emphasis OFF
80	ROM EMPHASIS	I	Decoder ROM emphasis input	H: emphasis ON, L: emphasis OFF
81	$\overline{\text{DATA MUTE}}$	O	Data output status	L: During data output muting, H: During data output
82	$\overline{\text{CS RST}}$	O	Decoder reset control	L: Reset, H: Normal
83	NC	-	Not used	Opened output L fixed
84	SREQ	O	Decoder SREQ signal output	
85	BREQ	I	Decoder BREQ signal input	
86~93	NC	-	Not used	Opened output L fixed
94	AVSS	-	Analog power supply input	Connects to GND
95	NC	-	Not used	Opened output L fixed
96	VREF	-	Reference voltage input	Not used: Connects to GND
97	AVCC	-	Analog power supply input	Connects to BU3.3V
98~100	NC	-	Not used	Opened output L fixed

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.
(Even when the security is set, 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 / USB / CD-CH → Scan, etc.)
- Display of TUNER sources will be as follows :
European Models : Upper Display=PS/frequency, Middle Display=spectrum analyzer/clock, Lower Display=multi-function
Other Models : Upper Display=SNPS, Middle Display =spectrum analyzer/clock, Lower Display=multi-function
- CD/USB source display will be as follows :
All Models : Upper Display=P-TIME, Middle Display= spectrum analyzer/clock, Lower Display=multi-function
- SWPRE is SUB WOOFER (2 PREOUT Model)

● RDS/RBDS automatic measurement

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

● Special display when set to TUNER

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

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

● Forced switching of K3I

In TUNER FM mode, each time [6] key is pressed, the functions move in the following cycle :

AUTO → forced WIDE → forced MIDDLE → force NARROW → AUTO

The initial condition is AUTO and the displays below will appear.

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

● CD source test mode specifications

- Jumps are made to the following tracks by pressing the [▶▶] key.
No.9 → No.15 → No.10 → No.11 → No.12 → No.13 → No.22 → No.14 → No.9 (Returns to the beginning)
It must be noted, however, that when paying MP3 / WMA / AAC disk, which contain 8 files or less, the first track and the following tracks are played in order.
- When [◀◀] 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)
- 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 25 (2V PRE), 27(4V PRE), 27 (5V PRE).

● Test mode specification for USB source

- While in USB source, by [6] key, set the volume value to 15.

● Audio adjust mode

- 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

TEST MODE

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 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 Sub Woofer Phase can be adjusted in 2 steps : Reverse ↔ Normal (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 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 no appear in audio adjustments.

● MENU items

- Push the [NEXT] key for at least 1 second to enter the MENU.
- The [DNPP/SBF] and [DIRECT] keys on the remote controller can also be used to enter the MENU.
- With the remote controller, continuous forwarding is prohibited.
- When a CD/USB is used as a source, the default item will be the ACD F/W Version.

● 2-ZONE (Dual Zone) items

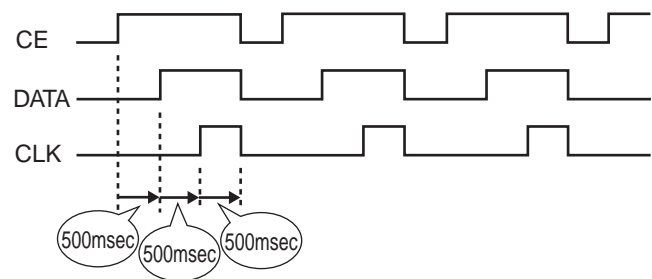
- When using sources other than the STANDBY source, using a short-press on [AUTO] or [TI] key, 2-ZONE ON/OFF is achieved.

● 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.)

● 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 (G-Analyzer supporting model)

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) C0509WK__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

TEST MODE

[3] key	<p>Key pressed briefly : Power ON time is displayed.</p> <p>During Power On time display, by pressing for at least 2 seconds, the Power ON time is cleared.</p> <p>(Display) PonTim_0Hxx_ (00~50 is displayed for "xx".</p> <p style="padding-left: 100px;">When less than 1 hour, displayed by increments of 10 minutes.)</p> <p style="padding-left: 100px;">xxxxx (00001~10922 is displayed for "xxxxxx".) MAX 10922 (times)</p>
[4] key	<p>Key pressed briefly : CD operation time is displayed.</p> <p>During CD operation time display, by pressing for at least 2 seconds, CD operation time is cleared.</p> <p>(Display) CDTim_0Hxx_ (00~50 is displayed for "xx".</p> <p style="padding-left: 100px;">When less than 1 hour, displayed by increments of 10 minutes.)</p> <p style="padding-left: 100px;">xxxxx (00001~10922 is displayed for "xxxxxx".) MAX 10922 (times)</p>
[5] key	<p>Key pressed briefly : CD EJECT number is displayed.</p> <p>During CD EJECT number display, by pressing for at least 2 seconds, CD EJECT number display is cleared.</p> <p>(Display) EjeCnt_xxxxx MAX 65535 (times)</p>
[6] key	<p>Key pressed briefly : PANEL Open/close number is displayed. (*1)</p> <p>During PANEL Open/close number display, by pressing for at least 2 seconds, PANEL Open/close numbers is cleared.</p> <p>(Display) PnCnt_xxxxx MAX 65535 (times)</p>
[FM] key	<p>ROM correction version display</p> <p>(Display) SYS_ROM_R123</p> <p>(Display) PAN_ROM_R123</p> <p>When E2PROM is not installed : ROM_ERR_</p> <p>When un-written : ROM_R ---</p> <p>When data is incompatible : ROM_R * * *</p>
[▶▶] key	<p>AUDIO data default value setting</p> <p>(Display) AUDIO_INIT</p>

[◀◀] key	<p>Key pressed briefly : Forced Power OFF data displayed.</p> <p>While the forced power OFF data is displayed, press and hold for 2 seconds to clear the data.</p> <p>(Display) POFf_ - - - (No Forced Power OFF)</p> <p style="padding-left: 100px;">SEC (Forced Power OFF because of missing Security Code)</p> <p style="padding-left: 100px;">PNL (Forced Power OFF because of system μ-com panel communication error)</p>
[▶▶] key	<p>Key pressed briefly : CD information display mode ON/OFF</p> <p>While in CD information display mode, press and hold for 2 seconds to clear all CD information.</p> <p>* Please refer to the table below.</p>

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

CD information display mode

[AM] key	<p>Displays I2C communication status and CD mechanism error log</p> <p>(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>
[AM] key	<p>Displays CD loading error data.</p> <p>(Display) Load_Error_____</p> <p>(Display) __ (1) xx__ (2) xx (number of times is displayed for "xx")</p> <p style="text-align: right;">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.</p> <p>*Refer to the note at the end of [CD LOAD error detection].</p>
[AM] key	<p>Displays CD ejection error data.</p> <p>(Display) Eject_Error_____</p> <p>(Display) __ (1) xx__ (2) xx</p> <p>(Display) __ (3) xx__ (4) xx (number of times is displayed for "xx")</p> <p style="text-align: right;">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.</p> <p>*Refer to [CD EJECT error detection]'s note.</p>

TEST MODE

↓	Displays CD time code count error data (missing count). (Display) Count_Lose (Display) __CDDA_ : xx (Display) __CDROM : xx (number of times is displayed for "xx") MAX 99 (times) Monitor time code continuity. Record the number of times when discontinuity occurred as error data. Record the data of compressed audio and CD-DA played separately.
[FM] key	Displays CD time code count error data (count not updated). (Display) Count_Stay (Display) __CDDA_ : xx (Display) __CDROM : xx (number of times is displayed for "xx") MAX 99 (times) When the time code is not renewed for 2 or more seconds, record the number of times occurred as error data (skipped sound).

● Initializing AUDIO-related value setting

During STANDBY sourcing, by pressing [▶▶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-X890, U717 (X16 IC1)
Mask ROM (2M) : KDC-W7534U/UY, KDC-X9533U, KAC-MP832 (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 \rightarrow Low \rightarrow 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 \rightarrow Low \rightarrow 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.

● 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 the source is STANDBY, press and hold [AUTO] or [TI] key for 1 second to switch PREOUT Rear/Sub Woofer. (2PREOUT model)

- 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.

TEST MODE

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

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

1. While pressing and holding the [↵] (NEXT) key and the [ATT] key, reset-start to start backup/installer, memory data, and CD mechanism and service information initialization. (Even when the security is set, 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. (Even when the security is set, 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] / [TI] 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 (K/M type)

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

Even when the security is set, 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 (Programmable security models: K, J type)

1. While "----" is being displayed, press [▶▶] key for at least 3 seconds while pressing [AUTO] / [TI] 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 [▶▶] key.
Press the remote control [2] key 3 times, display "C", and press the [▶▶] key.
Press the remote control [2] key once, display "A", and press the [▶▶] key.

TEST MODE

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) (Code security models: E, M type)

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.

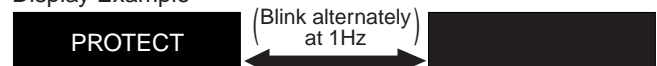
Avoid the connected speakers to be burned out, damaged, or to smoke when DC occurs between the audio power amp. + and - outputs.

● 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 IC2VI DCErr output terminal logic recovered to normal level value, the error condition shall continue.
 - Prohibit to save the backup/installer memory to E2PROM (nonvolatile memory).

2. Controlling μ -com terminal
 - Set Mute for all channels including for pre-out.
 - Turn off power IC control system power supply. (Set AMP-Standby function to valid)
 - Set P-Con output to OFF (Logic by which external AMP unit is turned off).
 - * The purpose is to shut down audio output. Basically, the logic sets the audio output system signal line when in Standby source.
3. Key specification
 - No specific limitation (Normal operation).
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



DC OFFSET ERROR

● 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.

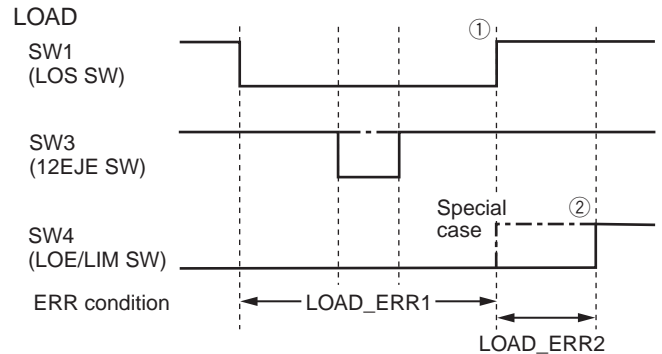
LOAD error recording shall be done in 2 patterns, by the SW status illustrated below.

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).

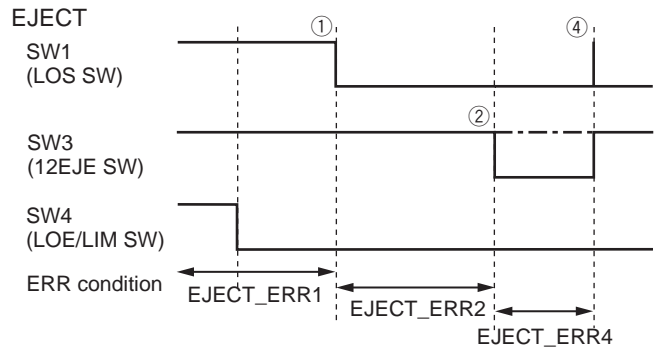
EJECT error is established when EJECT operation is not completed after EJECT operation is started before the protect timer count is completed (False EJECT, or ejection with no CD, is considered as exception and is not recorded).

(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 12EJE (SW3) down edge detection, it is recorded as EJECT_ERR2.
 - ④ If the protect timer was counted up after LOS (SW1)/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”.

- Calling and saving the configuration is done by the MENU.
- Items to be saved are Bass, Middle, Treble, X' over, and Sub Woofer Level (Refer to the separate document for more detail). Only one setting can be saved for each item (Bass/Middle/Treble settings can be changed for each source, but only one setting can be saved as the installer memory specification, and the source in which the saving operation was carried out is saved as such).

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

BACKUP MEMORY SPECIFICATIONS

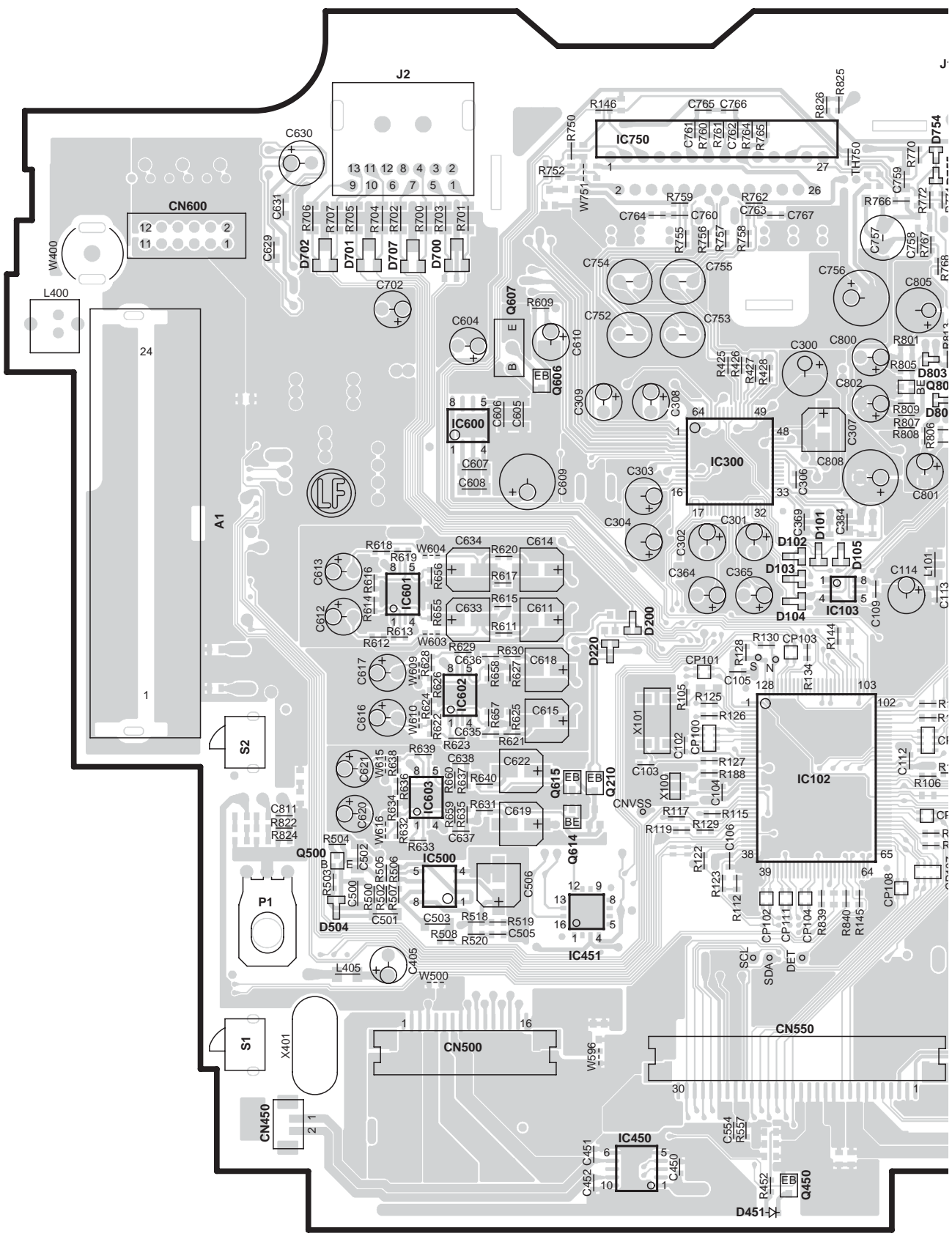
Settings by the user other than the installer memory items are saved into the E2PROM, and when the backup power supply was taken out at times of battery change or when the reset button was pressed, it is made possible to recall the setting values saved.

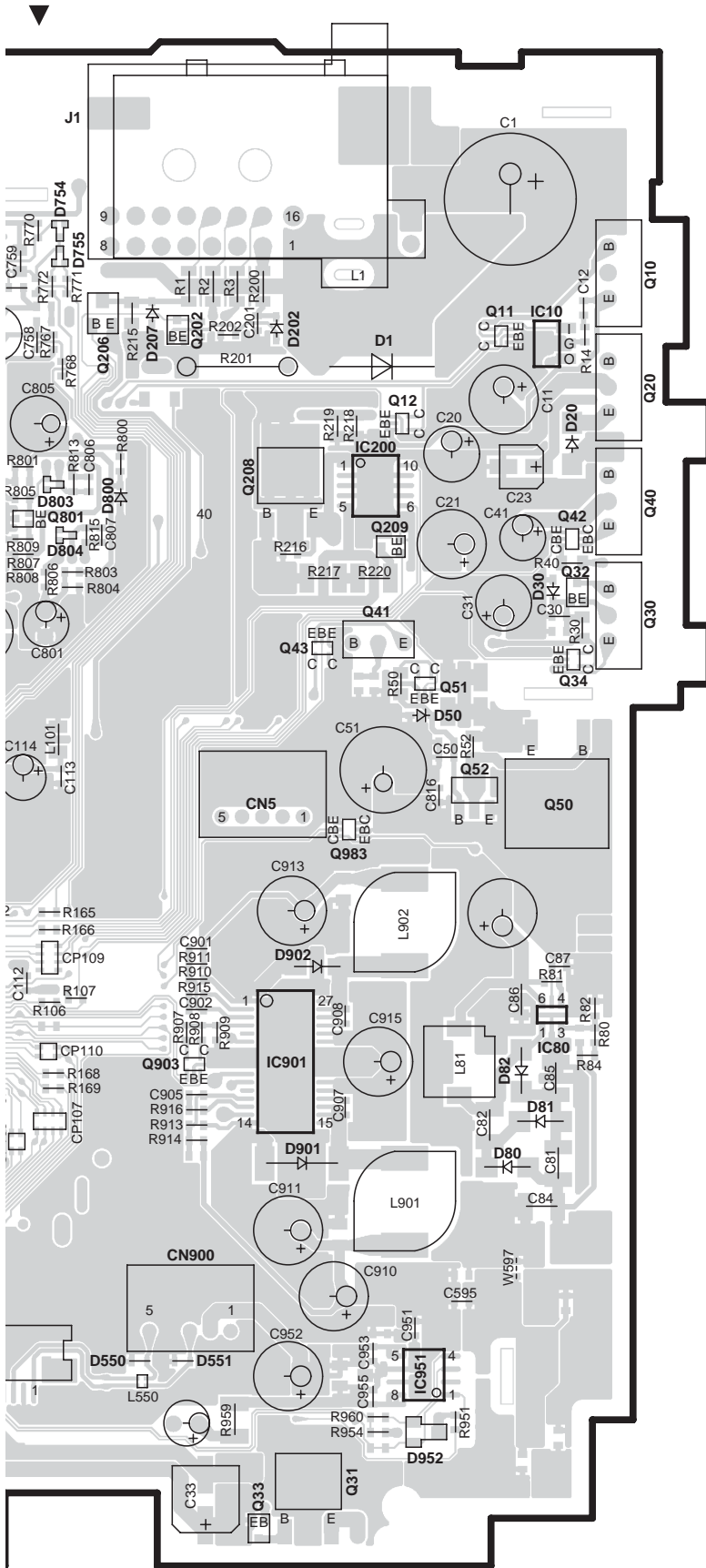
- While Power ON, the memory is saved and accumulated at a certain interval (temporary).
- Items to be saved into the memory are: Volume Offset (for all sources) and preset frequencies (FM/AM all bands x 6 channels).

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

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT X34-410x-xx (J76-0168-02)





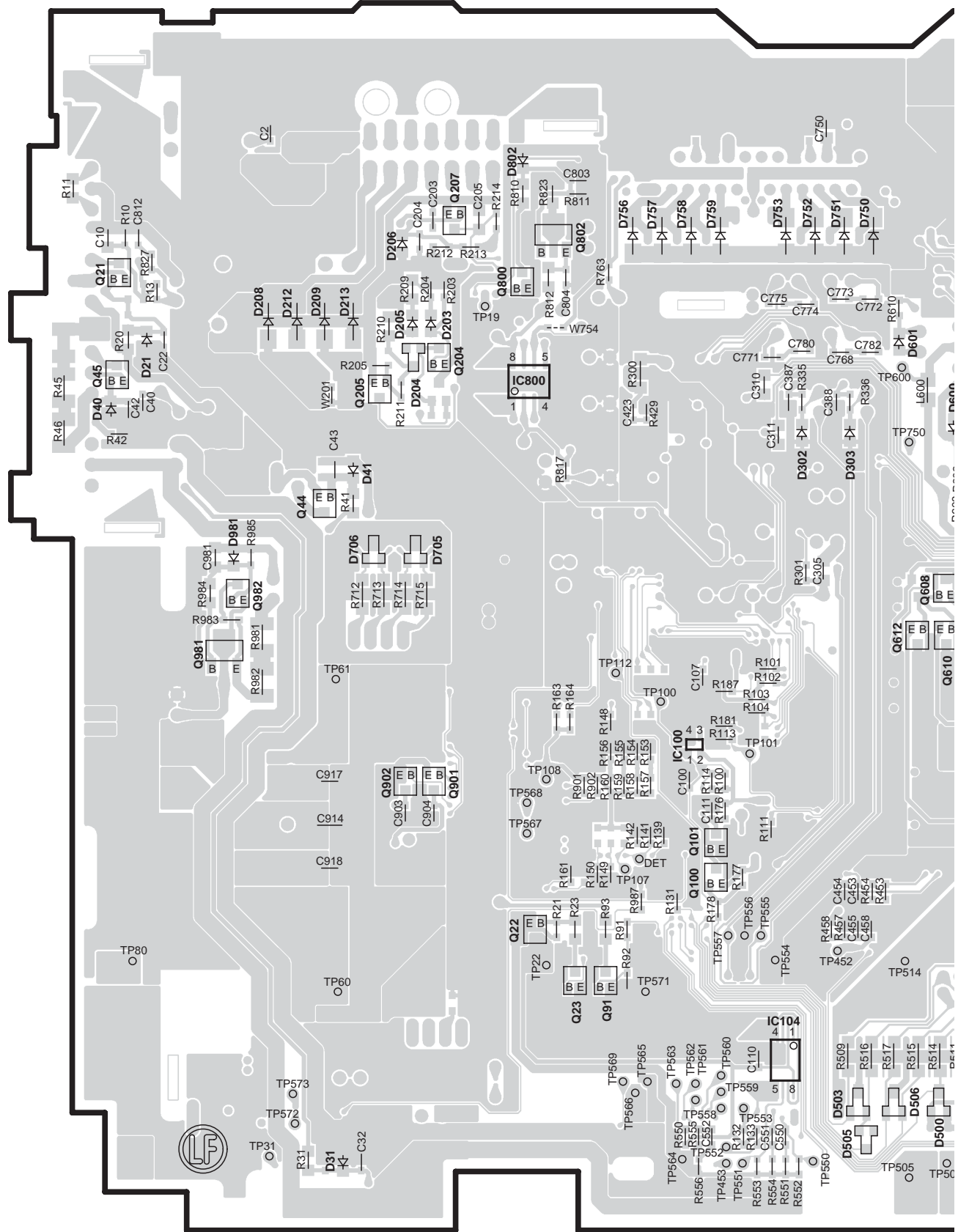
X34-410x-xx

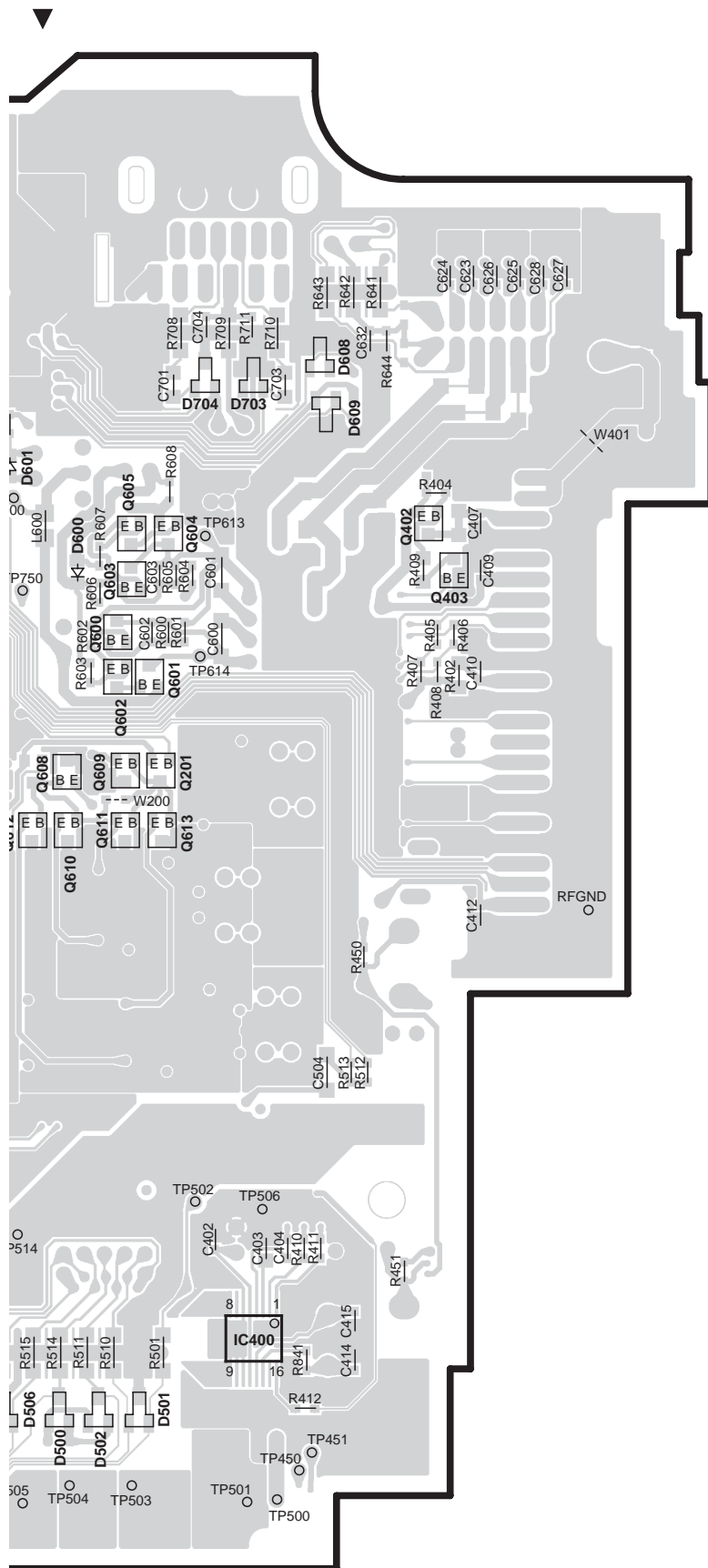
Ref. No.	Address
IC10	2H
IC80	5H
IC102	5E
IC103	4E
IC200	3G
IC300	3D
IC450	7D
IC451	6D
IC500	5C
IC600	3C
IC601	4C
IC602	5C
IC603	5C
IC750	2D
IC901	5G
IC951	6G
Q10	2H
Q11	2G
Q12	3G
Q20	3H
Q30	3H
Q31	7G
Q32	3H
Q33	7F
Q34	4H
Q40	3H
Q41	3G
Q42	3H
Q43	4G
Q50	4H
Q51	4G
Q52	4G
Q202	2F
Q206	3F
Q208	3F
Q209	3G
Q210	5D
Q450	7E
Q500	5C
Q606	3D
Q607	3C
Q614	5D
Q615	5D
Q801	3F
Q903	5F
Q983	4G

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

PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT X34-410x-xx (J76-0168-02)





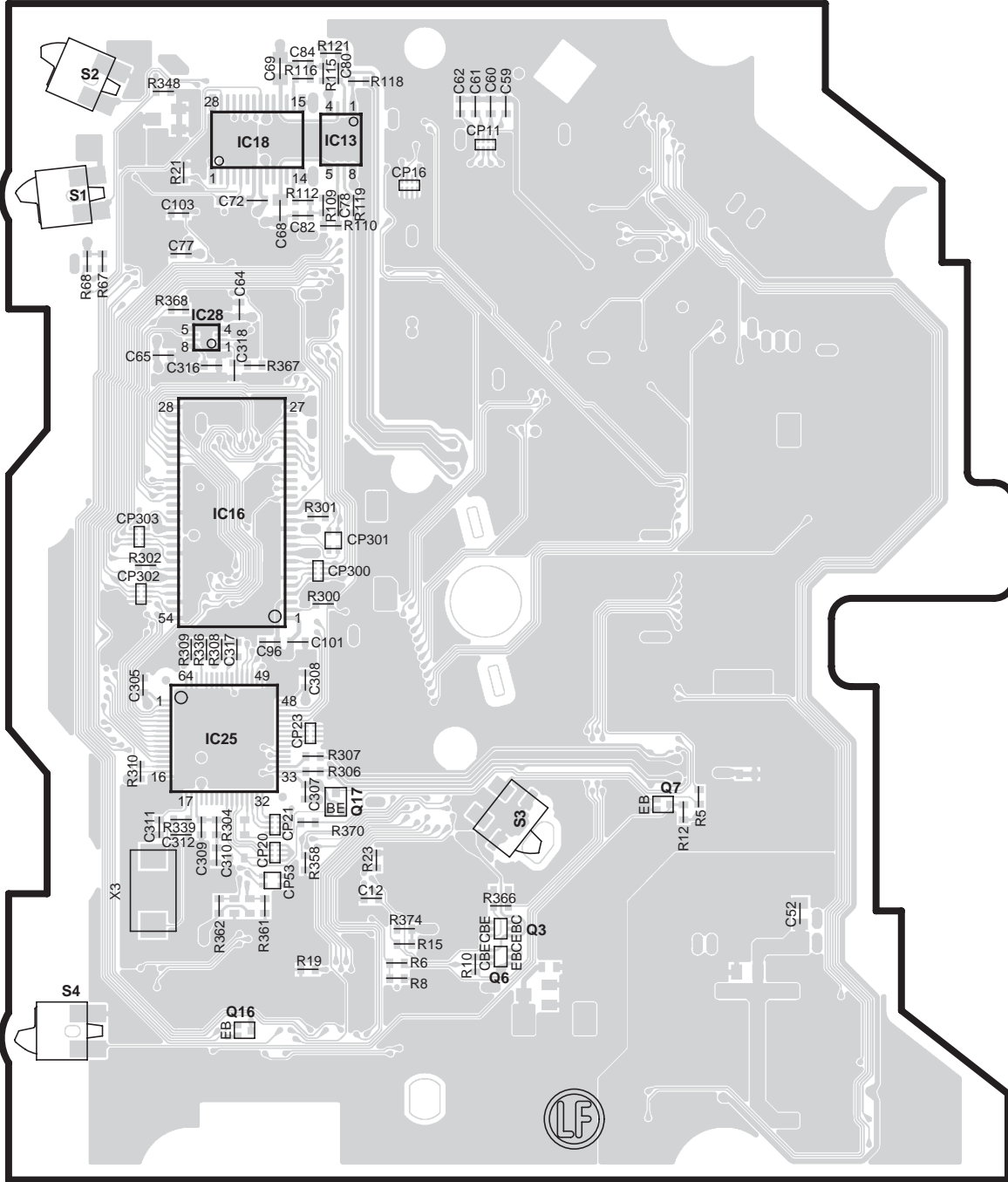
X34-410x-xx

Ref. No.	Address
IC100	5N
IC104	6O
IC400	6P
IC800	3N
Q21	3L
Q22	6M
Q23	6N
Q44	4L
Q45	3L
Q91	6N
Q100	5N
Q101	5N
Q201	4P
Q204	3M
Q205	3M
Q207	2M
Q402	3Q
Q403	3Q
Q600	4P
Q601	4P
Q602	4P
Q603	3P
Q604	3P
Q605	3P
Q608	4O
Q609	4P
Q610	4P
Q611	4P
Q612	4O
Q613	4P
Q800	3M
Q802	2N
Q901	5M
Q902	5M
Q981	4L
Q982	4L

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

PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT X32-5870-00 (J76-0214-02)



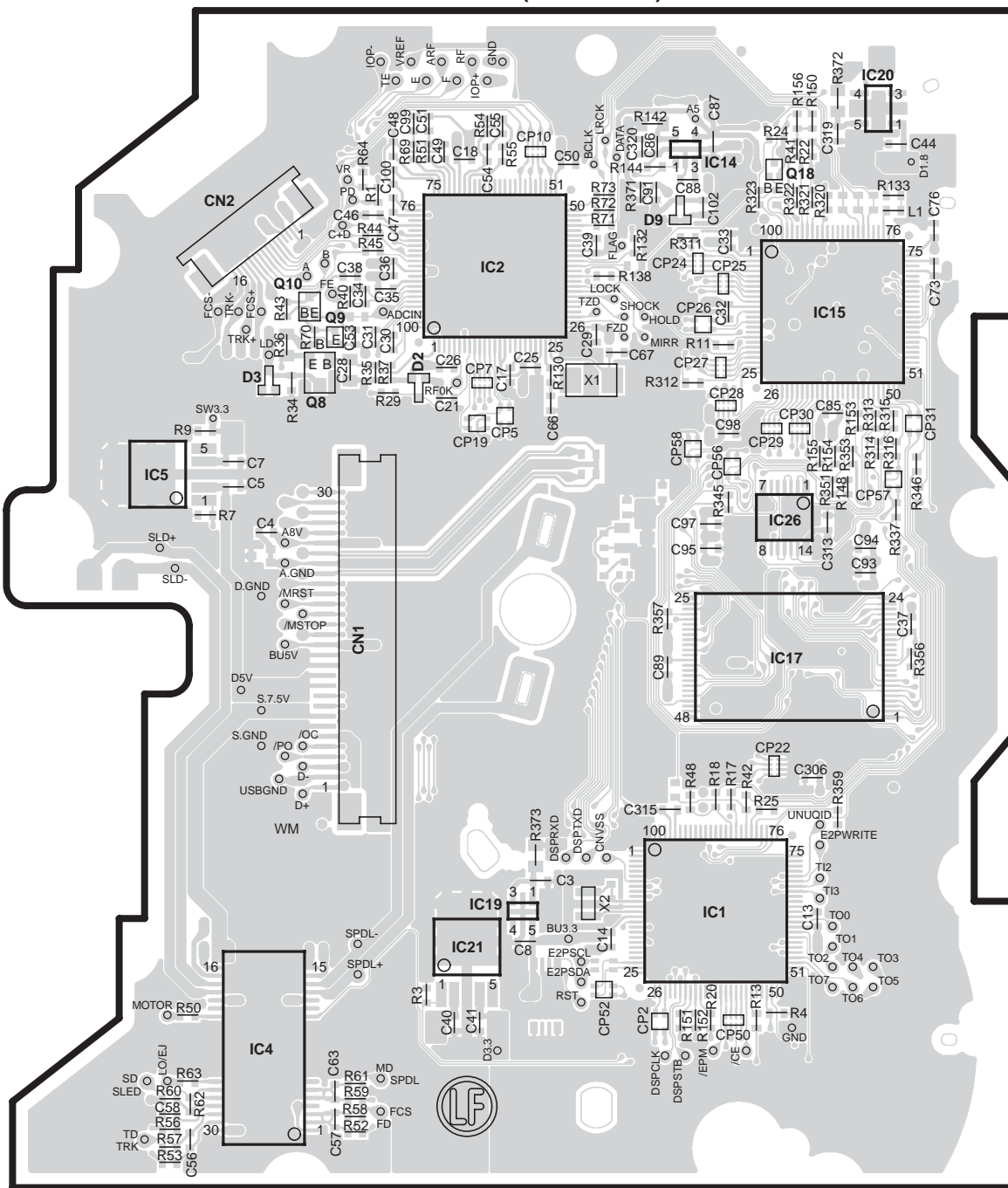
X32-5870-00

Ref. No.	Address	Ref. No.	Address
IC13	2W	Q3	5W
IC16	3V	Q6	5W
IC18	2V	Q7	4X
IC25	4V	Q16	5V
IC28	3V	Q17	4W

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

PC BOARD (FOIL SIDE VIEW)

CD PLAYER UNIT X32-5870-00 (J76-0214-02)



X32-5870-00

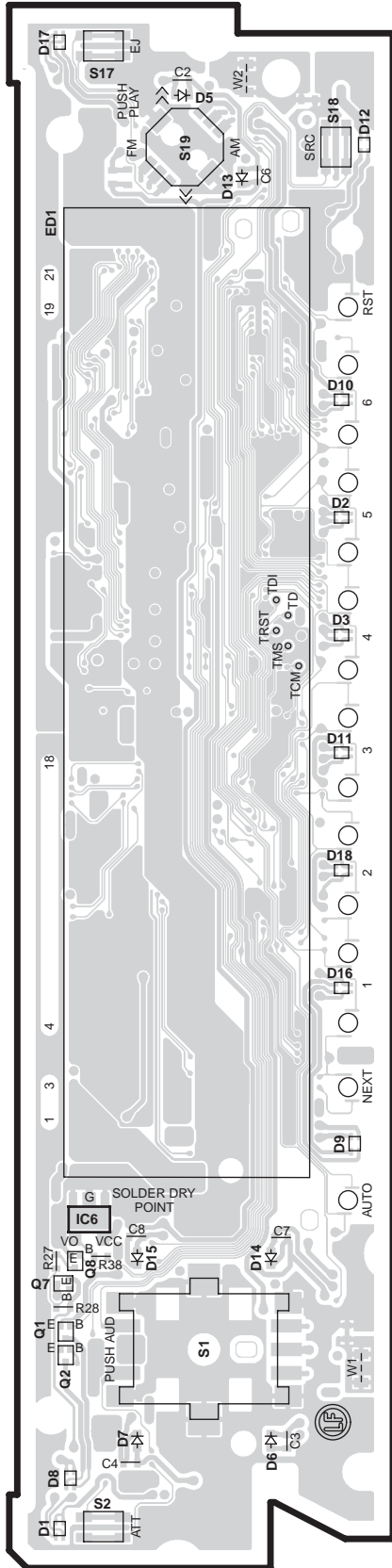
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	5AC	IC15	3AC	IC26	3AC
IC2	2AB	IC17	4AC	Q8	3AA
IC4	5AA	IC19	5AB	Q9	3AA
IC5	3Z	IC20	2AC	Q10	2AA
IC14	2AC	IC21	5AB	Q18	2AC

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

KDC-W7534U/W7534UY
KDC-X890/X9533U

PC BOARD (COMPONENT SIDE VIEW)

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

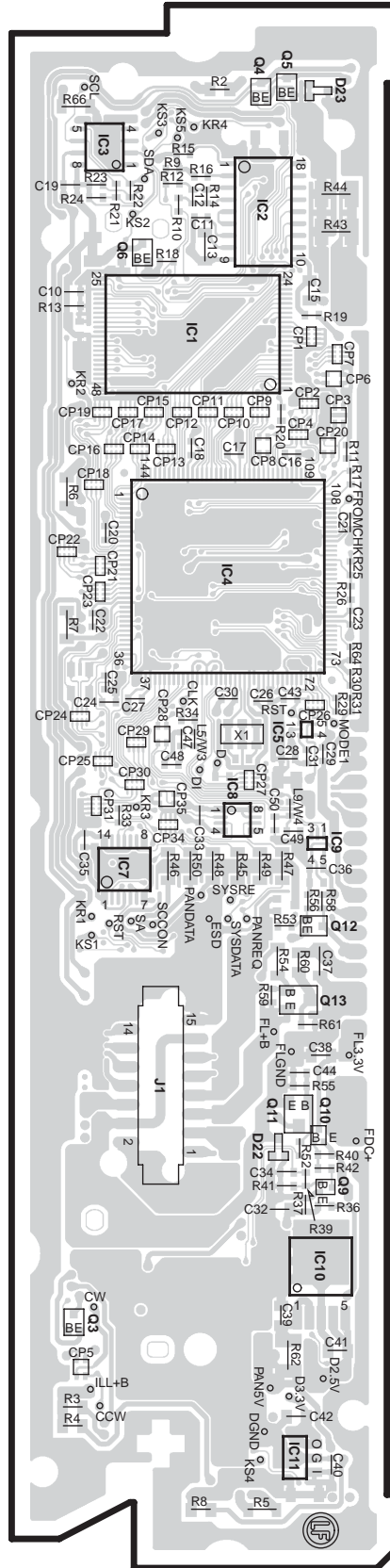


X16-354x-xx

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

(FOIL SIDE VIEW)

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



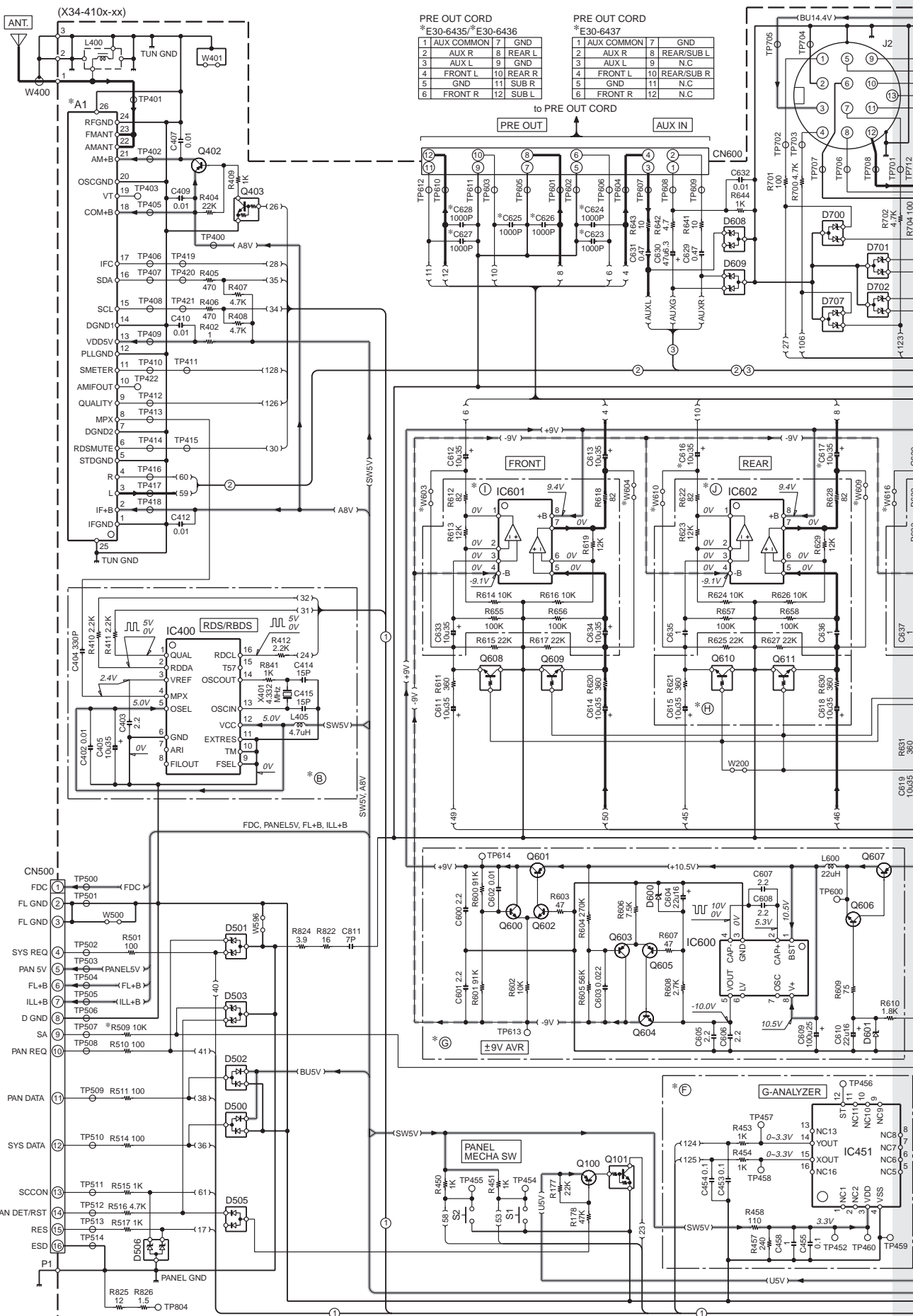
X16-354x-xx

Ref. No.	Address
IC1	3AH
IC2	2AH
IC4	3AH
IC5	4AH
IC7	4AH
IC8	4AH
IC9	4AI
IC10	6AH
IC11	7AH
Q3	6AH
Q4	2AH
Q5	2AH
Q6	2AH
Q9	6AI
Q10	5AH
Q11	5AH
Q12	5AI
Q13	5AH

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

KDC-W7534U/W7534UY KDC-X890/X9533U

1
2
3
4
5
6
7

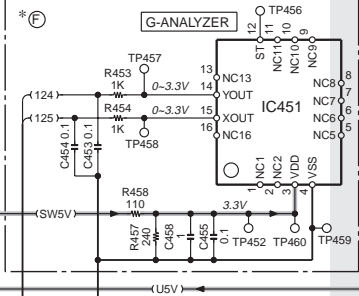
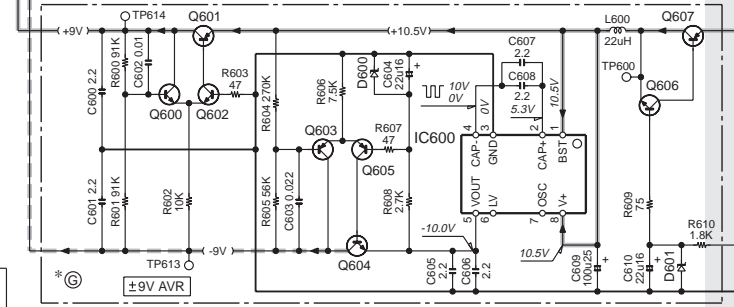
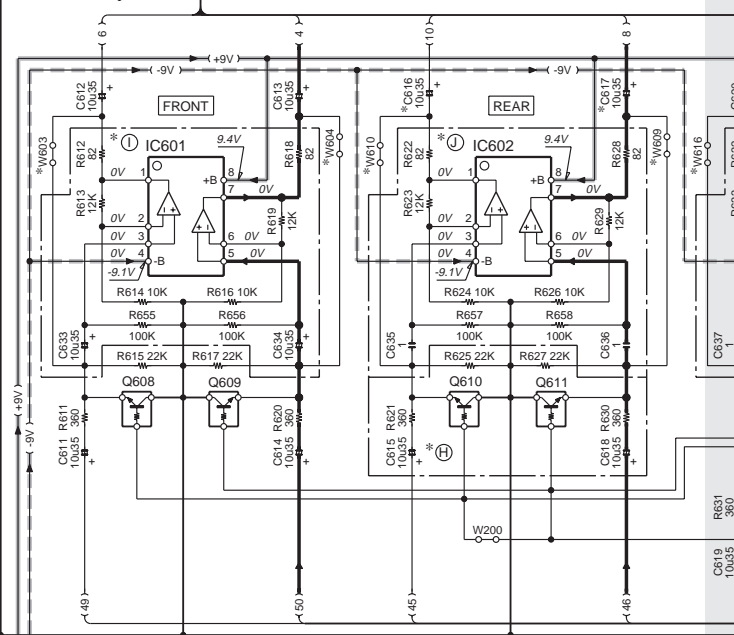
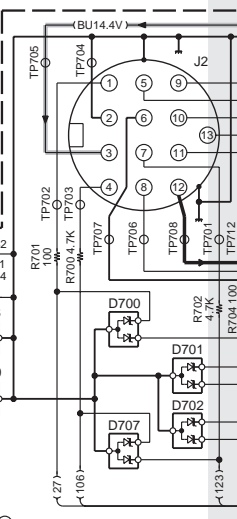


PRE OUT CORD
*E30-6435/*E30-6436

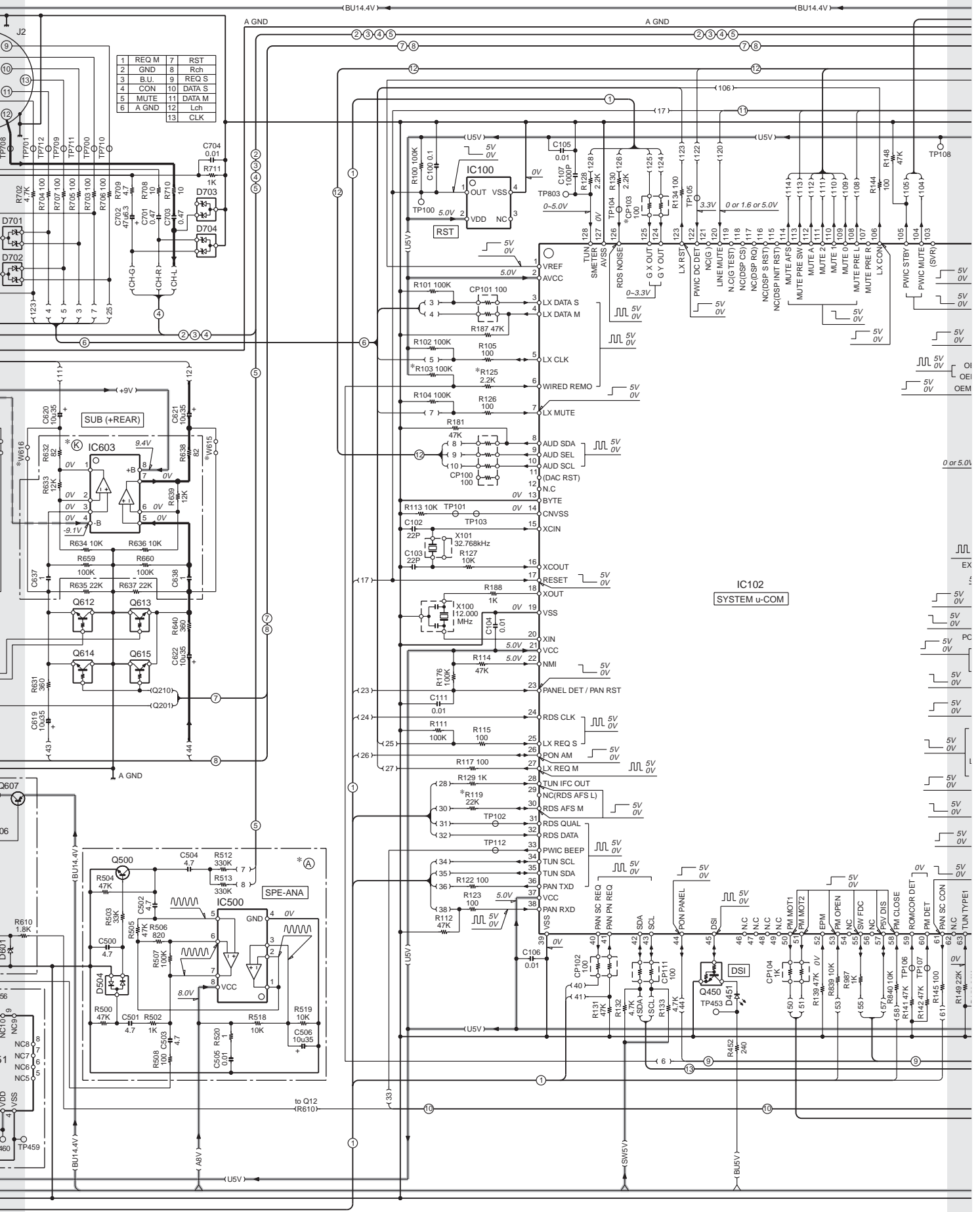
1	AUX COMMON	7	GND
2	AUX R	8	REAR L
3	AUX L	9	GND
4	FRONT L	10	REAR R
5	GND	11	SUB R
6	FRONT R	12	SUB L

PRE OUT CORD
*E30-6437

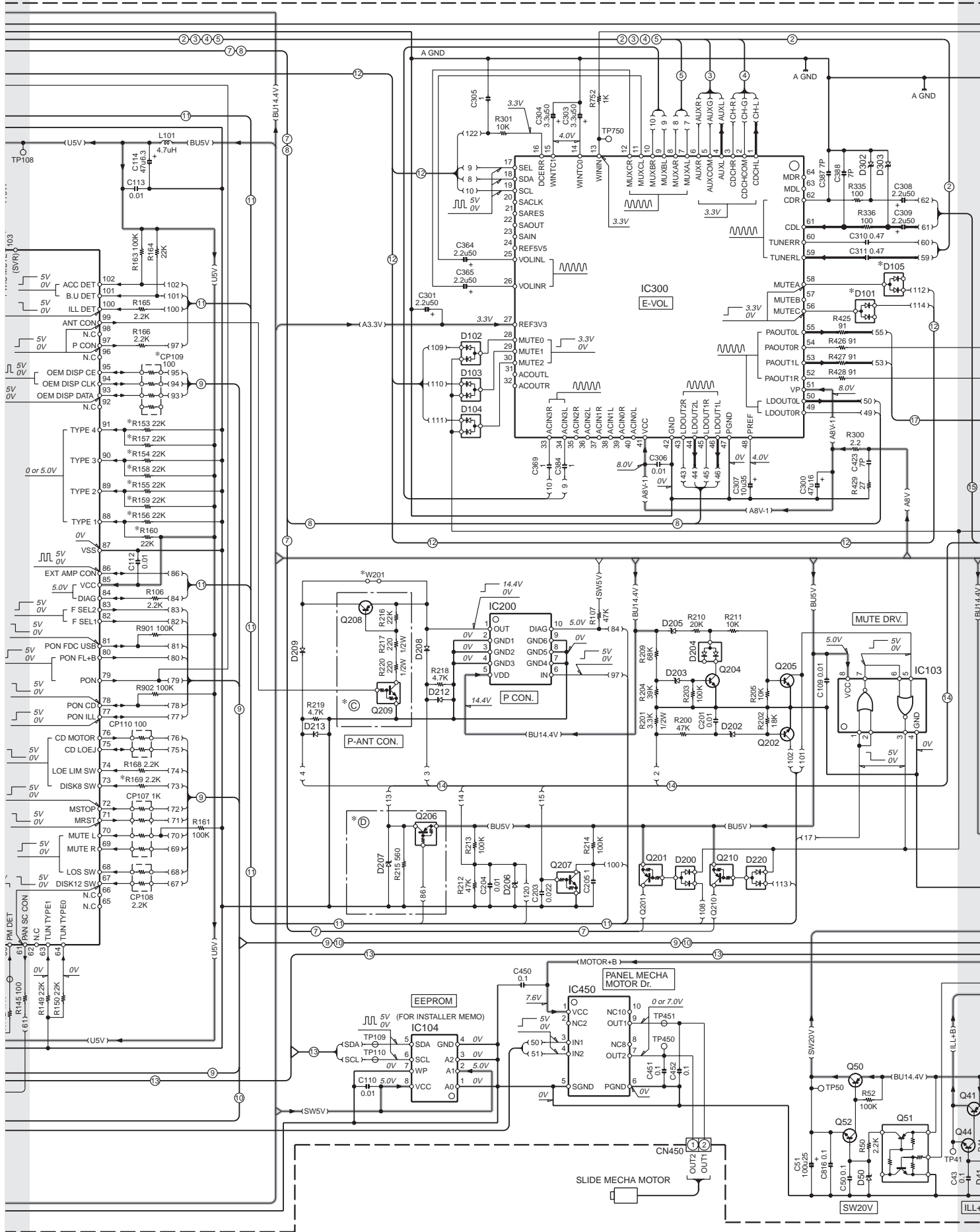
1	AUX COMMON	7	GND
2	AUX R	8	REAR/SUB L
3	AUX L	9	N.C
4	FRONT L	10	REAR/SUB R
5	GND	11	N.C
6	FRONT R	12	N.C



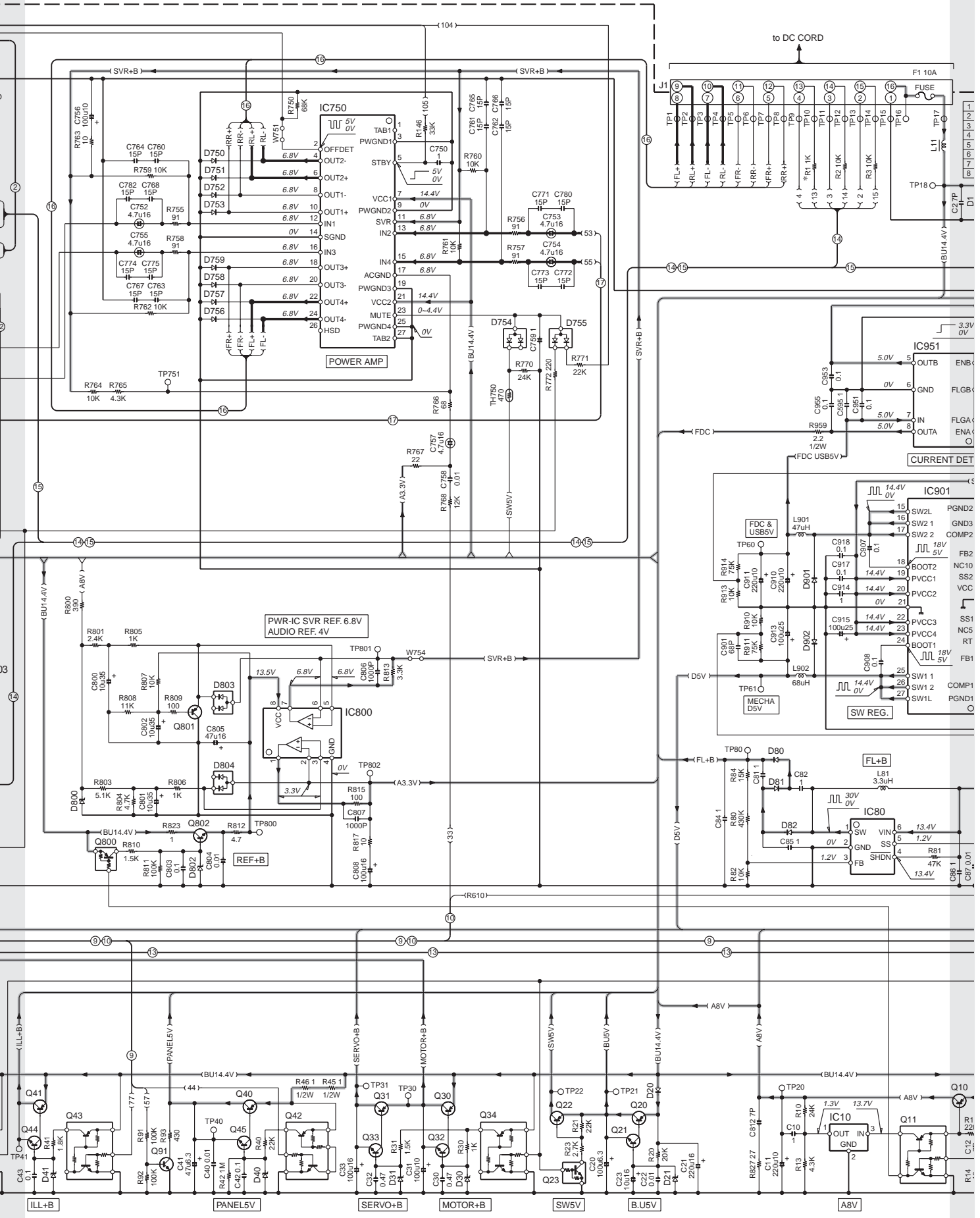
KDC-W7534U/W7534UY
KDC-X890/X9533U



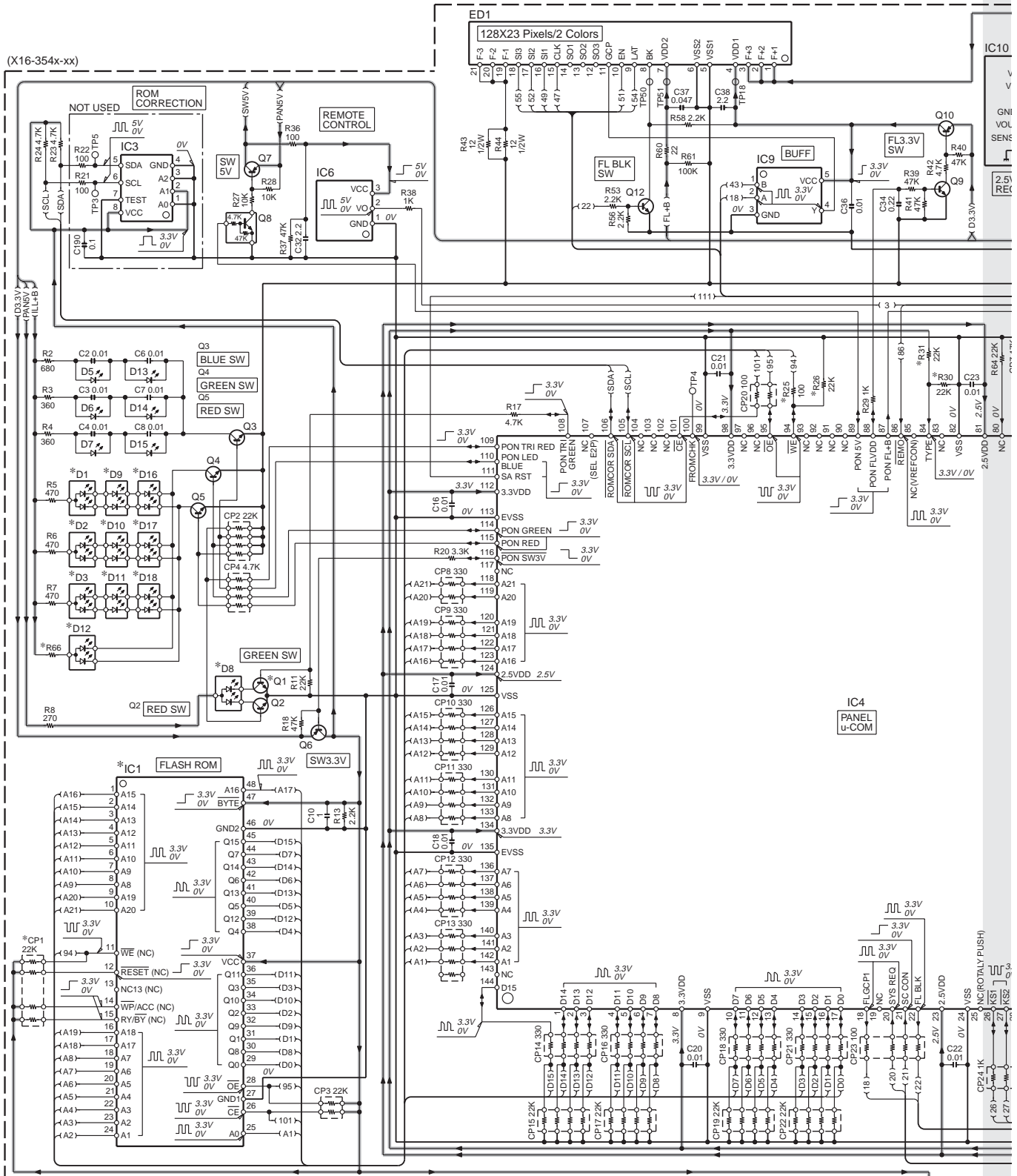
KDC-W7534U/W7534UY KDC-X890/X9533U



KDC-W7534U/W7534UY
KDC-X890/X9533U



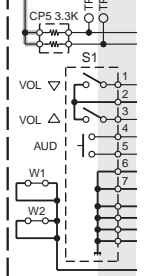
Z AA AB AC AD
KDC-W7534U/W7534UY
KDC-X890/X9533U



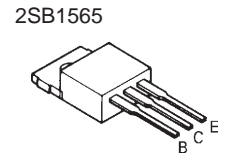
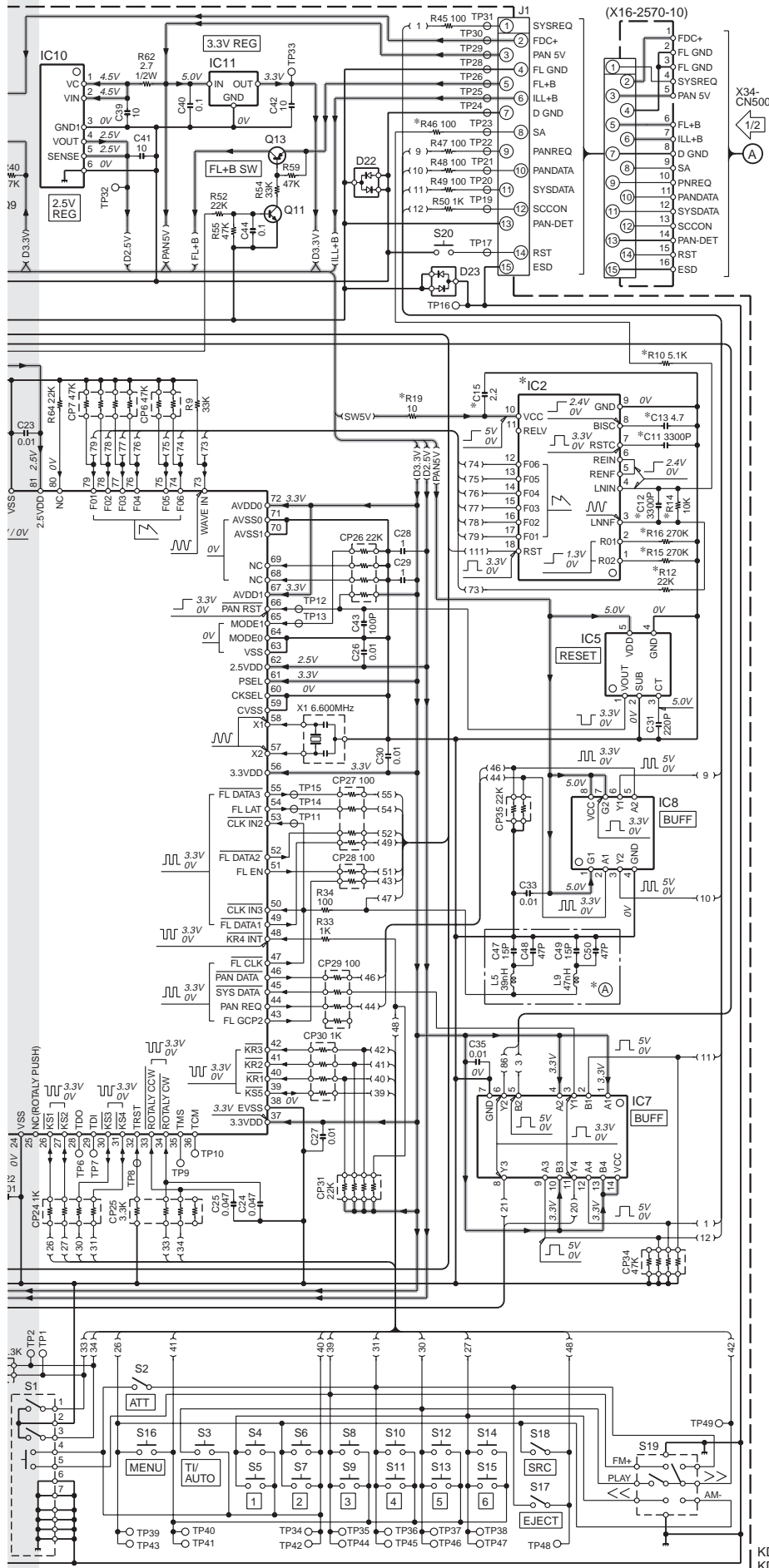
(X16-354x-xx)

MODEL NAME	UNIT No.	(A)	C11, 13, 15	CP1	D1-3,8-12, 16-18	IC1	IC2	Q1	R10,12, 14-16,19	R25, 31	R26, 30	R46	R66
U717	J	0-01	—	YES	YES	B30-1892-05	S29JL32HT7I73	YES	—	YES	YES	—	910
KDC-X890	K	0-13	—	—	—	B30-1605-05	S29JL32HT7I73	—	YES	—	—	—	820
KDC-MP832U	K	0-14	—	YES	—	B30-1605-05	MX231613T7V2	—	YES	—	—	—	820
KDC-X9533U	M	0-21	—	—	—	B30-1605-05	MX231613T7V2	YES	YES	—	—	—	820
KDC-W7534U	E1	2-72	YES	—	—	B30-1605-05	MX231613T7V2	—	YES	—	—	—	820
KDC-W7534UY	E2	2-72	YES	—	—	B30-1605-05	MX231613T7V2	—	YES	—	—	—	820

- IC1 : *
- IC2 : BA3830F
- IC3 : NOT USED
- IC4 : 703134AGJ011A
- IC5 : BD5237VF
- IC6 : PNA4S22M02KW
- IC7 : TC74LVX08FT
- IC8 : TC7WT126FU-F
- IC9 : TC7SH32FU-F
- IC10 : SI-3025KMNF
- IC11 : SI-3033LUSNF
- Q1,2,9 : 2SC4617
- Q3-5 : 2SD2351(W)
- Q6 : 2SB1689
- Q7,10 : 2SA1774
- Q8 : DTC1432E
- Q11 : 2SC2713-F
- Q12 : 2SC4667-F
- Q13 : 2SB1198K
- D1-3,8-12,16-18 : *
- D5-7,13-15 : B30-1729-05
- D22,23 : DA204U



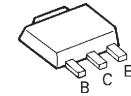
KDC-W7534U/W7534UY KDC-X890/X9533U



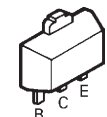
- DTA123JK
- DTA143ZE
- DTC114YE
- DTC114YUA
- DTC124EE
- DTC143TUA
- DTC143ZE
- 2SA1576A
- 2SC2713-F
- 2SC4617



2SB1188



2SC2873-F



2SB1184

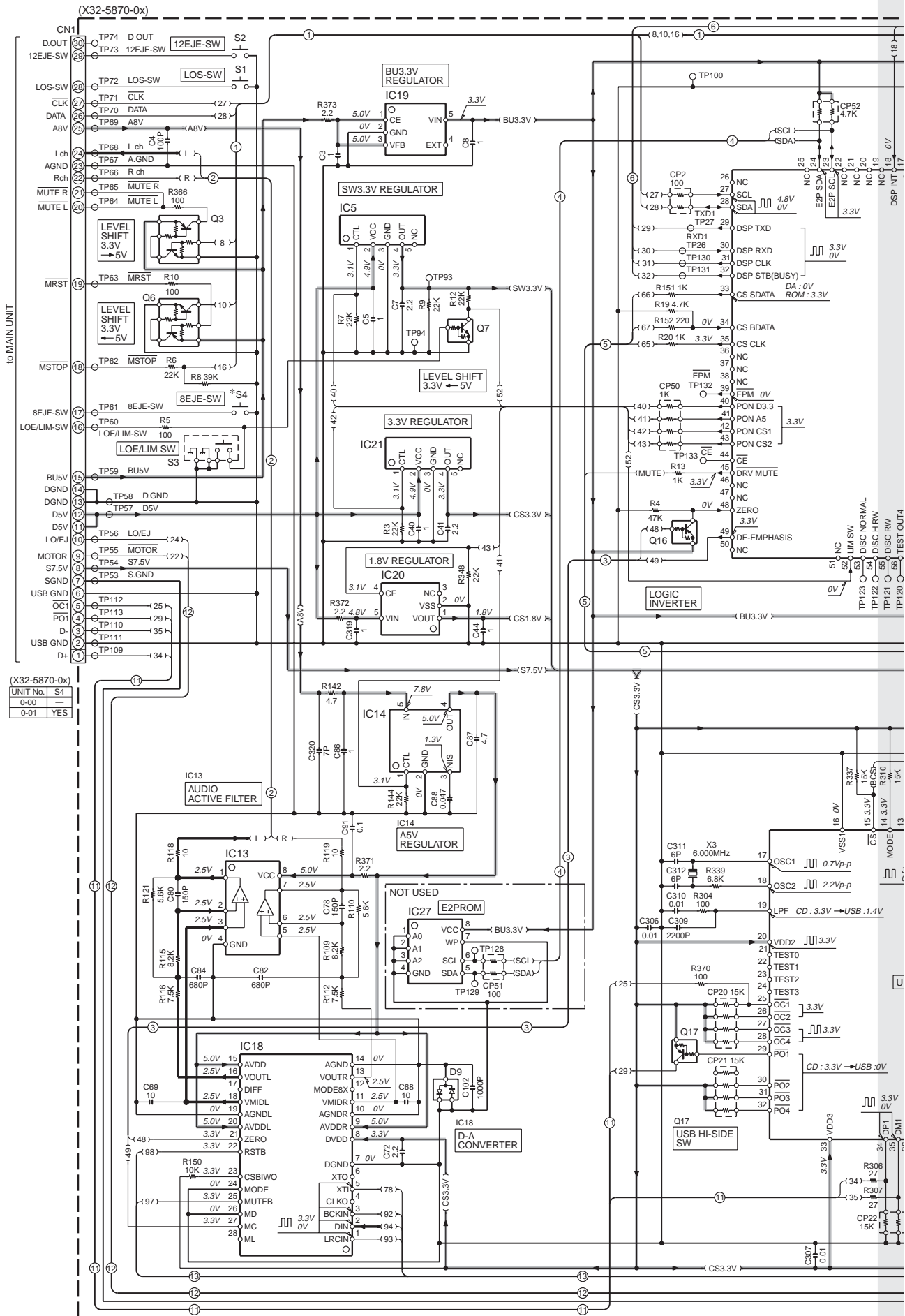
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

⚠ 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-W7534U/W7534UY
KDC-X890/X9533U (2/2)

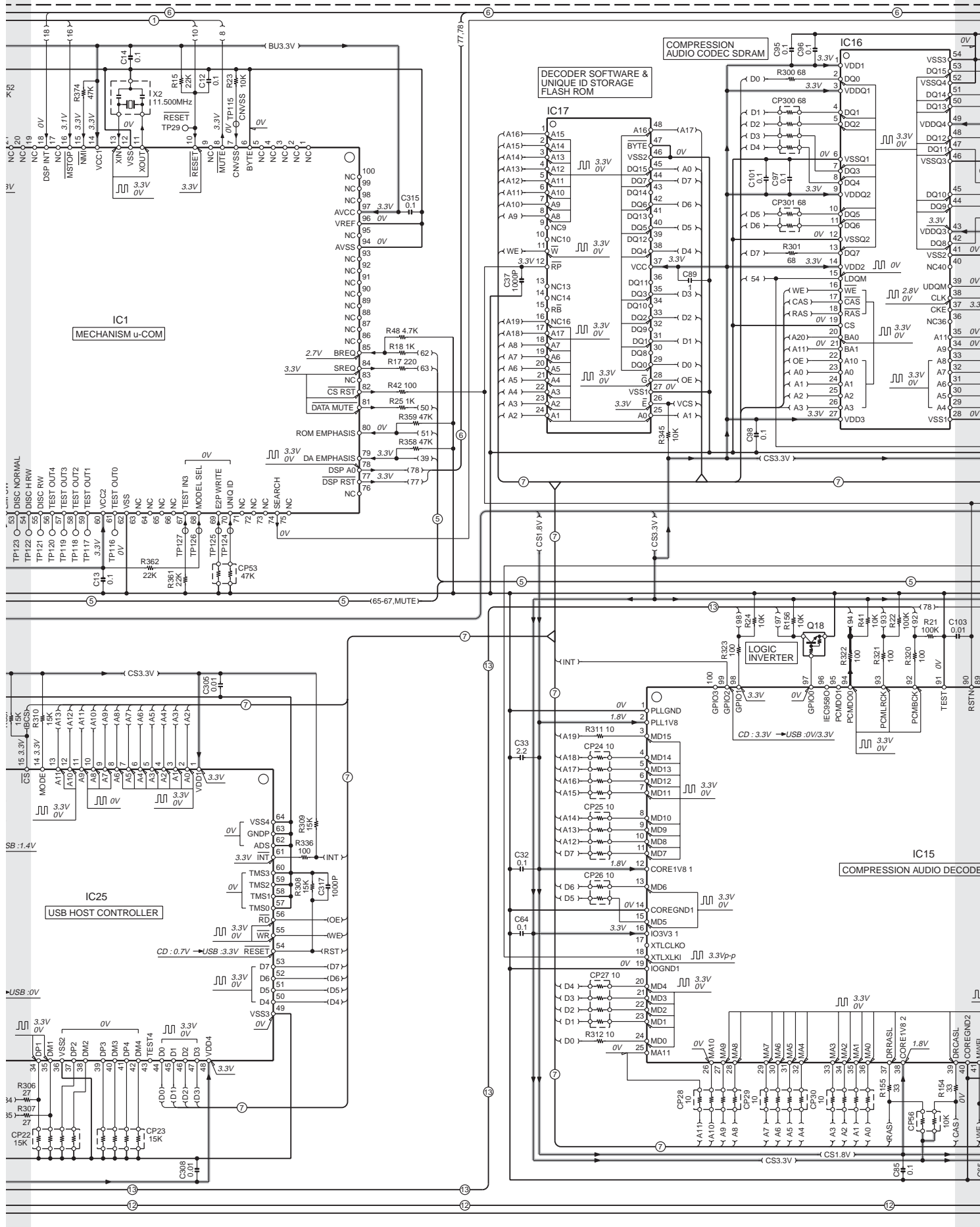
KDC-W7534U/W7534UY KDC-X890/X9533U



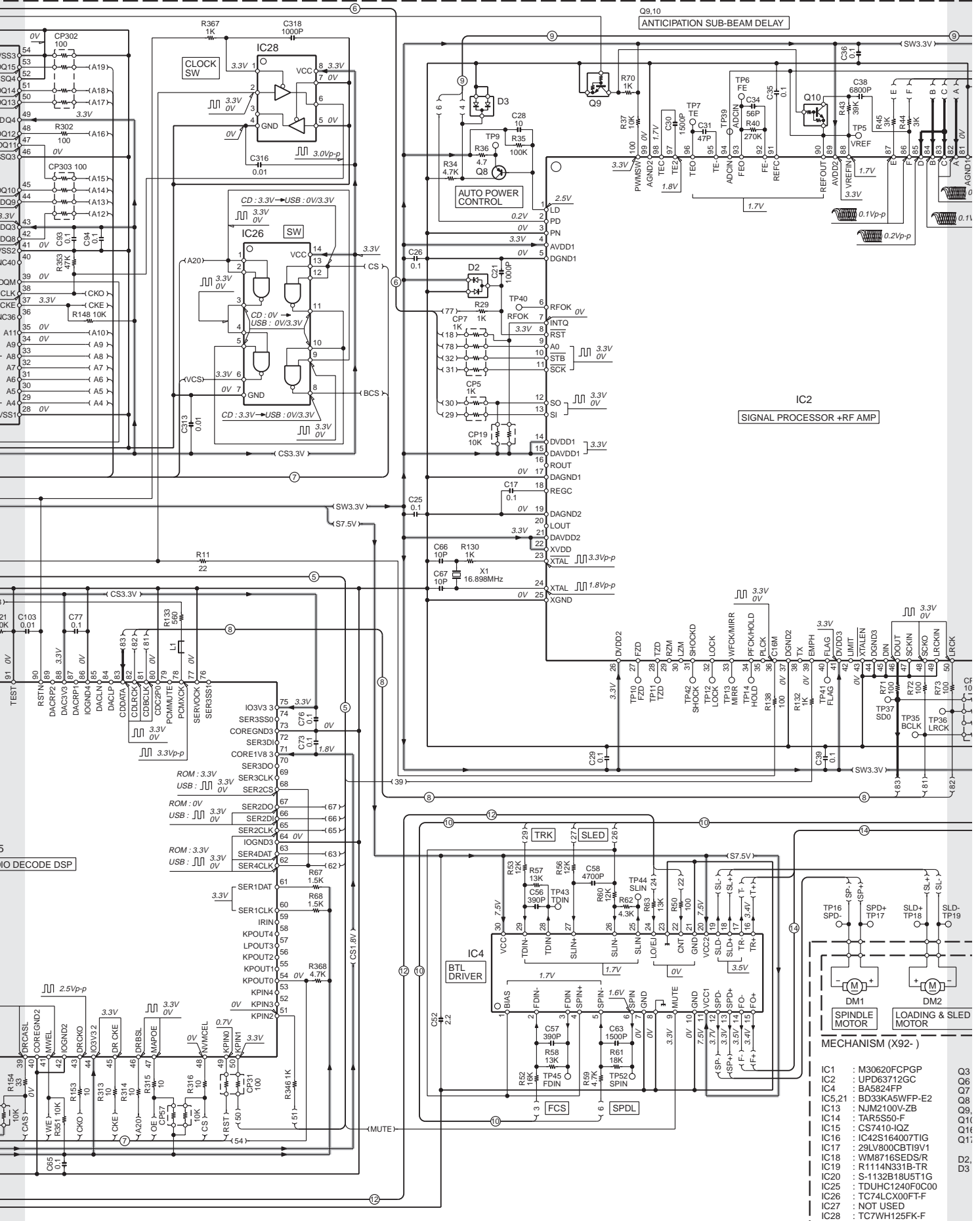
(X32-5870-0x)

UNIT No.	S4
0-00	—
0-01	YES

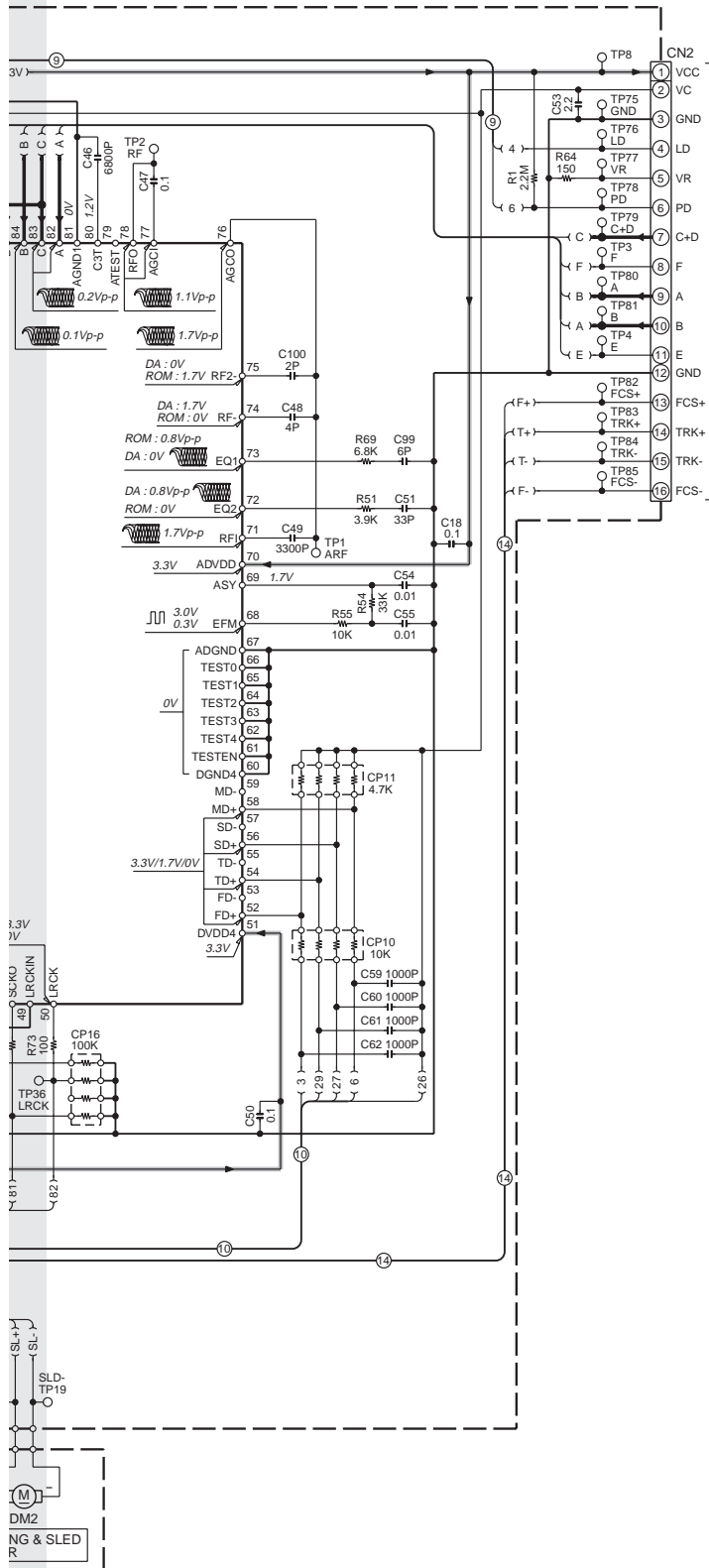
KDC-W7534U/W7534UY KDC-X890/X9533U



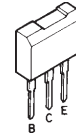
KDC-W7534U/W7534UY KDC-X890/X9533U



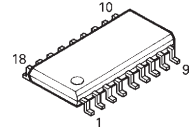
- MECHANISM (X92-)
- IC1 : M30620FCPPG
 - IC2 : UPD63712GC
 - IC4 : BA5824FP
 - IC5,21 : BD33KA5WFP-E2
 - IC13 : NJM2100V-ZB
 - IC14 : TAR5550-F
 - IC15 : CS7410-IQZ
 - IC16 : IC42S164007TIG
 - IC17 : 29LV800CBT19V1
 - IC18 : WM8716SEDS/R
 - IC19 : R1114N331B-TR
 - IC20 : S-1132B18U5T1G
 - IC25 : TDUHC1240FC00
 - IC26 : TC74LCX00FT-F
 - IC27 : NOT USED
 - IC28 : TC7WH125FK-F



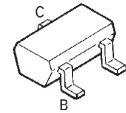
2SB1443



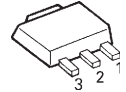
2SD2351



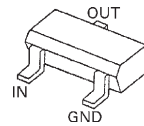
2SA1774
2SC4081



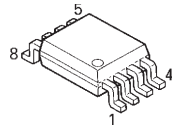
M5237ML-CF0J



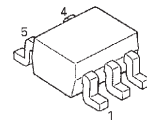
DTA124EUA
DTC124EUA
DTC144EUA



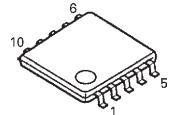
NJM2100V-ZB



UMC2N



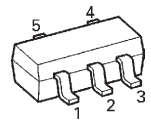
LB1930M-E



DAN202U



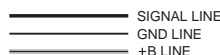
TC7SH32FU-F



DAP202U
DA204K
DA204U



- Q3 : UMD9N
- Q6 : UMD12N
- Q7 : DTC124EE
- Q8 : 2SB0970
- Q9,18 : DTC114YE
- Q10 : DTC114YUA
- Q16 : DTA143ZE
- Q17 : DTA143XUA
- D2,9 : DA204U
- D3 : DAN202U

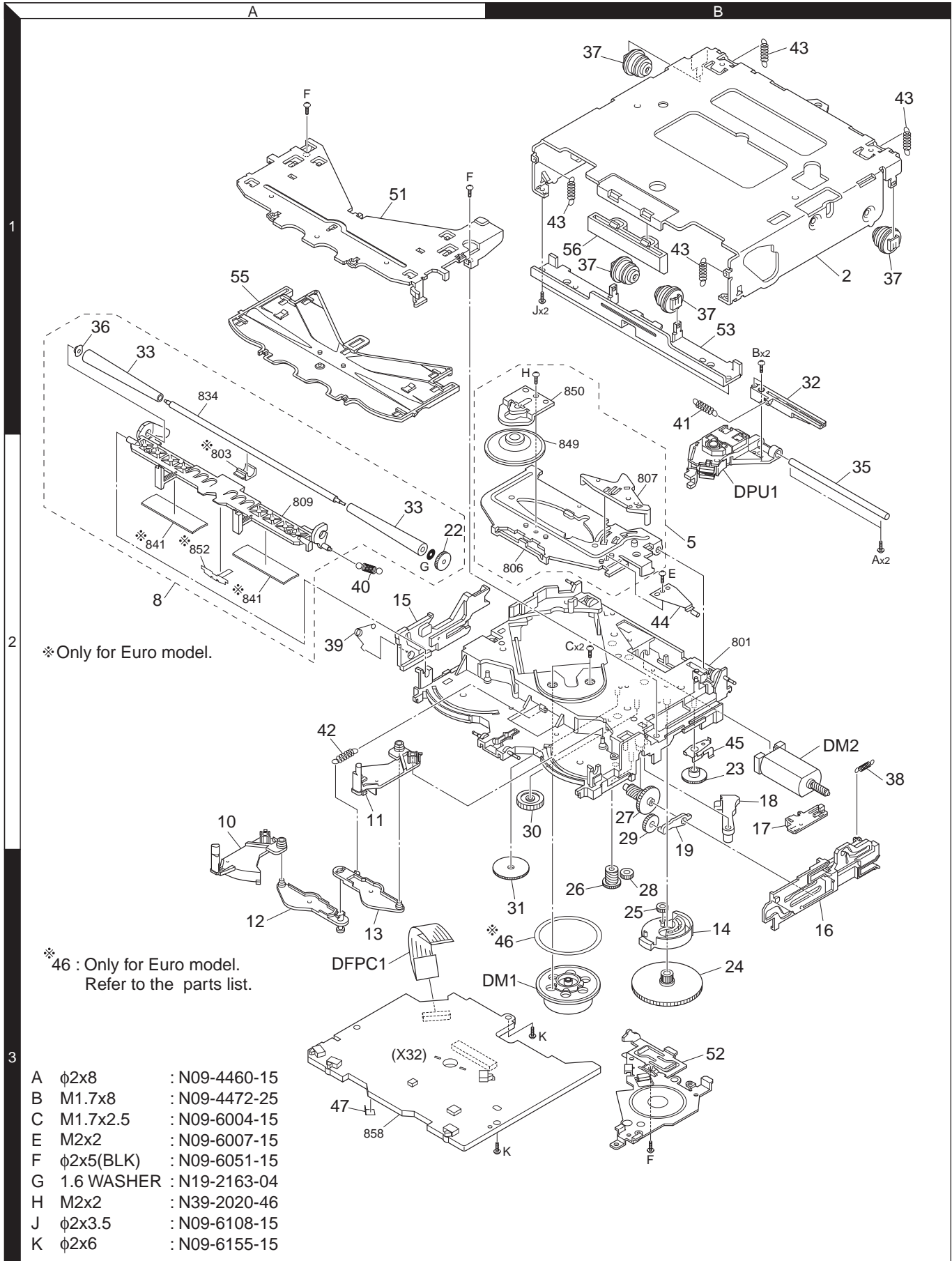


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

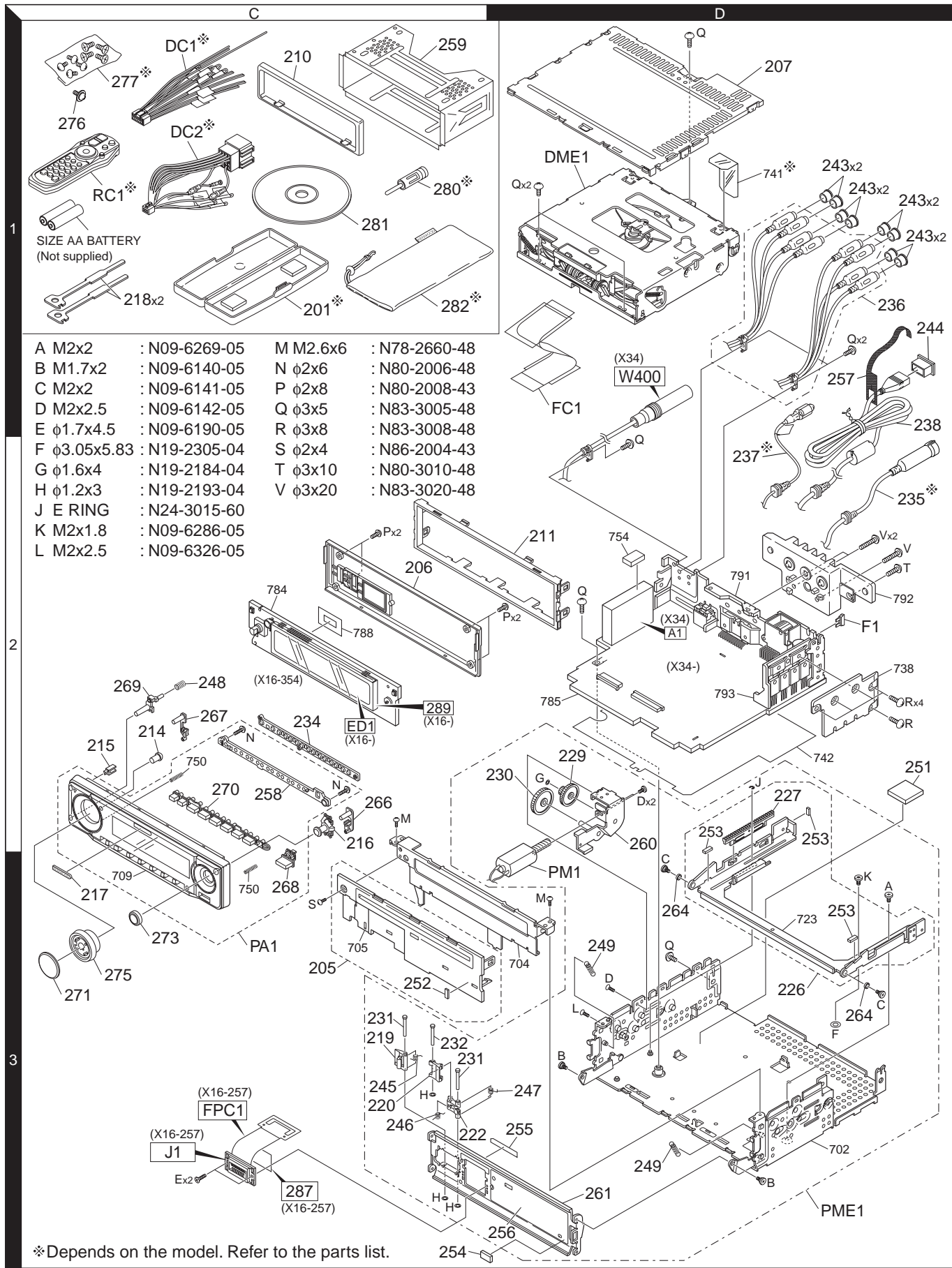
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- 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)



EXPLODED VIEW (UNIT)



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

*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-W7534U/W7534UY/X890/X9533U					
201	1C		A02-2732-03	PLASTIC CABINET ASSY	M1
205	3C		A22-3023-22	SUB PANEL ASSY	
206	2C		A46-1817-01	REAR COVER	
207	1D		A52-0845-12	TOP PLATE	
PA1	3C	*	A64-3736-02	PANEL ASSY	K
PA1	3C	*	A64-3738-02	PANEL ASSY	E1E2
PA1	3C	*	A64-3739-02	PANEL ASSY	M1
PME1	3D		A10-5205-22	CHASSIS ASSY	
RC1	1C		A70-2067-15	REMOTE CONTROLLER ASSY	KM1
-			B46-0612-14	ID CARD	E1E2M1
-			B46-0681-04	ID CARD	K
-			B46-0682-00	WARRANTY CARD	KE1M1
-			B58-1426-04	CAUTION CARD	K
-		*	B59-1850-00	SUB-INSTRUCTION MANUAL	
-		*	B64-3382-00	INSTRUCTION MANUAL (ENGLISH)	K
-		*	B64-3383-00	INSTRUCTION MANUAL (FRENCH)	K
-		*	B64-3384-00	INSTRUCTION MANUAL (SPANISH)	K
-		*	B64-3385-00	INSTRUCTION MANUAL (ENGLISH)	E1E2
-		*	B64-3386-00	INSTRUCTION MANUAL (FRE.GER.)	E1
-		*	B64-3387-00	INSTRUCTION MANUAL (DUT.ITA.)	E1
-		*	B64-3388-00	INSTRUCTION MANUAL (SPA.POR.)	E1
-		*	B64-3389-00	INSTRUCTION MANUAL (RUSSIAN)	E2
-		*	B64-3390-00	INSTRUCTION MANUAL (ENG.T-CHI)	M1
-		*	B64-3391-00	INSTRUCTION MANUAL (ARABIC)	M1
210	1C		B07-3125-01	ESCUTCHEON	
211	2C		B07-3095-02	ESCUTCHEON	
214	2C		B10-4837-04	FRONT GLASS	
215	2C		B19-2359-04	LIGHTING BOARD	
216	2C		B19-2360-03	LIGHTING BOARD	
217	3C		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	2D		E30-6292-15	CORD WITH DIN CONNECTOR	E1E2
236	1D		E30-6435-05	CORD WITH PINPLUG	KM1
236	1D		E30-6436-05	CORD WITH PINPLUG	E1E2
237	2D		E30-6533-05	CORD WITH CONNECTOR	K
238	2D	*	E30-6588-05	CORD WITH CONNECTOR (USB 1m)	
△ DC1	1C		E30-6408-05	DC CORD	KM1
△ DC2	1C		E30-6412-05	DC CORD	E1E2
FC1	1D	*	E39-0814-05	FLAT CABLE (30P)	
243	1D		F29-0626-04	INSULATING COVER	
244	1D	*	F29-0637-04	INSULATING COVER	
△ F1	2D		F52-0023-05	FUSE (MINI BLADE TYPE)10A	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
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	
251	2D	*	G16-1642-04	SHEET	
252	3C		G11-3594-04	CUSHION	
253	2D		G11-3646-04	CUSHION	
254	3D		G16-1606-04	SHEET	
255	3D		G16-1482-14	SHEET	
256	3D		G16-1483-04	SHEET	
-		*	H10-4925-12	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	KE2M1
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1111-04	PROTECTION BAG (280X450X0.03)	E1
-		*	H54-3775-03	ITEM CARTON CASE	K
-		*	H54-3777-03	ITEM CARTON CASE	E1
-		*	H54-3778-03	ITEM CARTON CASE	E2
-		*	H54-3779-03	ITEM CARTON CASE	M1
257	1D	*	H30-0594-04	MAGIC TAPE	K
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		K24-4428-13	PUSH KNOB (EJECT)	
267	2C		K24-4431-13	PUSH KNOB (ATT)	
268	2C	*	K24-4292-13	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	KM1
A	3D		N09-6269-05	STEPPED SCREW	
B	3D		N09-6140-05	STEPPED SCREW (P SCREW1)	
C	3D		N09-6141-05	STEPPED SCREW (P SCREW2)	
D	3D		N09-6142-05	MACHINE SCREW	
E	3C		N09-6190-05	TAPPING SCREW	
F	3D		N19-2305-04	FLAT WASHER	
G	2D		N19-2184-04	FLAT WASHER	
H	3C		N19-2193-04	FLAT WASHER	
J	2D		N24-3015-60	E TYPE RETAINING RING	
K	2D		N09-6286-05	STEPPED SCREW	
L	3D		N09-6326-05	MACHINE SCREW	
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	

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

PARTS LIST

KDC-W7534U/W7534UY/X890/X9533U

Ref. No.	Add	New	Parts No.	Description	Destination
280 PM1	1C 2D		T90-0523-05 T42-1086-14	ANTENNA ADAPTOR MOTOR ASSY	E1E2
281	1C	*	W01-1673-05	COMPACT DISC	KM1
281	1C	*	W01-1674-05	COMPACT DISC	E1E2
282	1C		W01-1661-05	CARRYING CASE	E1E2
282	1C		W01-1664-05	CARRYING CASE	K
DME1	1D	*	X92-5580-00	CD MECHANISM ASSY (DXM-6820W)	KM1
DME1	1D	*	X92-5580-04	CD MECHANISM ASSY (DXM-6824W)	E1E2
SUB-CIRCUIT UNIT (X16-2570-12)					
J1			E58-1038-05	RECTANGULAR RECEPTACLE	
287	3C		F20-2284-14	INSULATING SHEET	
FPC1	3C	*	J86-0025-05	FPC (LEAD FREE)	
SWITCH UNIT (X16-354x-xx)					
D1-3			B30-1605-05	LED (2COLOR PG/RED)	
D5-7			B30-1729-05	LED (1608,BLUE)	
D8-12			B30-1605-05	LED (2COLOR PG/RED)	
D13-15			B30-1729-05	LED (1608,BLUE)	
D16-18			B30-1605-05	LED (2COLOR PG/RED)	
C2-4			CK73GB1H103K	CHIP C 0.010UF K	
C6-8			CK73GB1H103K	CHIP C 0.010UF K	
C10			CK73GB1A105K	CHIP C 1.0UF K	
C11,12			CK73GB1H332K	CHIP C 3300PF K	M1
C13			CK73EB1A475K	CHIP C 4.7UF K	M1
C15			CK73FB1A225K	CHIP C 2.2UF K	M1
C16-18			CK73GB1H103K	CHIP C 0.010UF K	
C20-23			CK73GB1H103K	CHIP C 0.010UF K	
C24,25			CK73GB1H473K	CHIP C 0.047UF K	
C26,27			CK73GB1H103K	CHIP C 0.010UF K	
C28,29			CK73GB1A105K	CHIP C 1.0UF K	
C30			CK73GB1H103K	CHIP C 0.010UF K	
C31			CC73GCH1H221J	CHIP C 220PF J	
C32			CK73FB1A225K	CHIP C 2.2UF K	
C33			CK73GB1H103K	CHIP C 0.010UF K	
C34			CK73GB1C224K	CHIP C 0.22UF K	
C35,36			CK73GB1H103K	CHIP C 0.010UF K	
C37			C93-1217-05	CHIP C 0.047UF 100WV	
C38			CK73FB1A225K	CHIP C 2.2UF K	
C39			CK73FBOJ106K	CHIP C 10UF K	
C40			CK73GB1H104K	CHIP C 0.10UF K	
C41,42			CK73FBOJ106K	CHIP C 10UF K	
C43			CC73GCH1H101J	CHIP C 100PF J	
C44			CK73GB1H104K	CHIP C 0.10UF K	
C47			CC73GCH1H150J	CHIP C 15PF J	E1E2
C48			CC73GCH1H470J	CHIP C 47PF J	E1E2
C49			CC73GCH1H150J	CHIP C 15PF J	E1E2
C50			CC73GCH1H470J	CHIP C 47PF J	E1E2
J1			E59-0846-05	RECTANGULAR PLUG	
289	2C		J19-7054-03	HOLDER	
L5		*	L40-3975-38	SMALL FIXED INDUCTOR (39NH)	E1E2
L9		*	L40-4775-38	SMALL FIXED INDUCTOR (47NH)	E1E2

Ref. No.	Add	New	Parts No.	Description	Destination
X1			L78-1208-05	RESONATOR (6.6M)	
CP1,2			RK74HB1J223J	CHIP-COM 22K J 1/16W	K
CP2			RK74HB1J223J	CHIP-COM 22K J 1/16W	E1E2M1
CP3			RK74GA1J223J	CHIP-COM 22K J 1/16W	
CP4			RK74HB1J472J	CHIP-COM 4.7K J 1/16W	
CP5			RK74GA1J332J	CHIP-COM 3.3K J 1/16W	
CP6			RK74GA1J473J	CHIP-COM 47K J 1/16W	
CP7			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP8			RK74GA1J331J	CHIP-COM 330 J 1/16W	
CP9-14			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP15			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP16			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP17			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP18			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP19			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP20			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP21			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP22			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP23			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP24			RK74HB1J102J	CHIP-COM 1.0K J 1/16W	
CP25			RK74HB1J332J	CHIP-COM 3.3K J 1/16W	
CP26			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP27			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP28			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP29			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP30			RK74HB1J102J	CHIP-COM 1.0K J 1/16W	
CP31			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP34			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP35			RK74GA1J223J	CHIP-COM 22K J 1/16W	
R2			RK73FB2B681J	CHIP R 680 J 1/8W	
R3,4			RK73FB2B361J	CHIP R 360 J 1/8W	
R5-7			RK73EB2E471J	CHIP R 470 J 1/4W	
R8			RK73FB2B271J	CHIP R 270 J 1/8W	
R9			RK73GB2A333J	CHIP R 33K J 1/10W	
R10			RK73GB2A512J	CHIP R 5.1K J 1/10W	M1
R11			RK73GB2A223J	CHIP R 22K J 1/10W	KE1E2
R11,12			RK73GB2A223J	CHIP R 22K J 1/10W	M1
R13			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R14			RK73GB2A103J	CHIP R 10K J 1/10W	M1
R15 ,16			RK73GB2A274J	CHIP R 270K J 1/10W	M1
R17			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R18			RK73GB2A473J	CHIP R 47K J 1/10W	
R19			RK73GB2A100J	CHIP R 10 J 1/10W	M1
R20			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R23,24			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R25			RK73GB2A101J	CHIP R 100 J 1/10W	K
R26			RK73GB2A223J	CHIP R 22K J 1/10W	E1E2M1
R27,28			RK73GB2A103J	CHIP R 10K J 1/10W	
R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R30			RK73GB2A223J	CHIP R 22K J 1/10W	E1E2M1
R31			RK73GB2A223J	CHIP R 22K J 1/10W	K
R33			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R34			RK73GB2A101J	CHIP R 100 J 1/10W	
R36			RK73GB2A101J	CHIP R 100 J 1/10W	

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-354x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R37			RK73GB2A473J	CHIP R 47K J 1/10W	
R38			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R39-41			RK73GB2A473J	CHIP R 47K J 1/10W	
R42			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R43,44			RK73PB2H120J	CHIP R 12 J 1/2W	
R45			RK73EB2E101J	CHIP R 100 J 1/4W	KE1E2
R45-49			RK73EB2E101J	CHIP R 100 J 1/4W	M1
R47-49			RK73EB2E101J	CHIP R 100 J 1/4W	KE1E2
R50			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R52			RK73GB2A223J	CHIP R 22K J 1/10W	
R53			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R54			RK73EB2E333J	CHIP R 33K J 1/4W	
R55			RK73GB2A473J	CHIP R 47K J 1/10W	
R56			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R58			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R59			RK73GB2A473J	CHIP R 47K J 1/10W	
R60			RK73FB2B220J	CHIP R 22 J 1/8W	
R61			RK73GB2A104J	CHIP R 100K J 1/10W	
R62			RK73PB2H2R7J	CHIP R 2.7 J 1/2W	
R64			RK73GB2A223J	CHIP R 22K J 1/10W	
R66			RK73EB2E821J	CHIP R 820 J 1/4W	
W1,2			R92-2053-05	CHIP R 0 OHM J 1/8W	
S2			S70-0901-05	TACT SWITCH	
S17,18			S70-0901-05	TACT SWITCH	
S19			S70-0941-05	TACT SWITCH	
S1			T99-0456-15	ROTARY ENCODER	
D22,23			DA204U	DIODE	
ED1			JN12823AB	FLUORESCENT INDICATOR TUBE	
IC1		*	MX231613T17V2	ROM IC	E1E2M1
IC1		*	S29JL32H717V3	ROM IC	K
IC2			BA3830F	ANALOGUE IC	M1
IC4		*	703134AGJ011A	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-3025KMMNF	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 (X32-5870-00)					
C3			CK73GB1A105K	CHIP C 1.0UF K	
C4			CC73GCH1H101J	CHIP C 100PF J	
C5			CK73GB1A105K	CHIP C 1.0UF K	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C7			CK73GB0J225K	CHIP C 2.2UF K	
C8			CK73GB1A105K	CHIP C 1.0UF K	
C12-14			CK73GB1H104K	CHIP C 0.10UF K	
C17,18			CK73GB1H104K	CHIP C 0.10UF K	
C21			CK73GB1H102K	CHIP C 1000PF K	
C25,26			CK73GB1H104K	CHIP C 0.10UF K	
C28			CK73FB0J106K	CHIP C 10UF K	
C29			CK73GB1H104K	CHIP C 0.10UF K	
C30			CK73GB1H152K	CHIP C 1500PF K	
C31			CC73GCH1H470J	CHIP C 47PF J	
C32			CK73GB1H104K	CHIP C 0.10UF K	
C33			CK73GB0J225K	CHIP C 2.2UF K	
C34			CC73GCH1H560J	CHIP C 56PF J	
C35,36			CK73GB1H104K	CHIP C 0.10UF K	
C37			CK73GB1H102K	CHIP C 1000PF K	
C38			CK73GB1H682K	CHIP C 6800PF K	
C39			CK73GB1H104K	CHIP C 0.10UF K	
C40			CK73GB1A105K	CHIP C 1.0UF K	
C41			CK73GB0J225K	CHIP C 2.2UF K	
C44			CK73GB1A105K	CHIP C 1.0UF K	
C46			CK73GB1H682K	CHIP C 6800PF K	
C47			CK73GB1H104K	CHIP C 0.10UF K	
C48			CC73GCH1H040C	CHIP C 4.0PF C	
C49			CK73GB1H332K	CHIP C 3300PF K	
C50			CK73GB1H104K	CHIP C 0.10UF K	
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	
C59-62			CK73GB1H102K	CHIP C 1000PF K	
C63			CK73GB1H152K	CHIP C 1500PF K	
C64,65			CK73GB1H104K	CHIP C 0.10UF K	
C66,67			CC73GCH1H100D	CHIP C 10PF D	
C68,69			CK73FB0J106K	CHIP C 10UF K	
C72			CK73GB0J225K	CHIP C 2.2UF K	
C73			CK73GB1H104K	CHIP C 0.10UF K	
C76,77			CK73GB1H104K	CHIP C 0.10UF K	
C78			CC73GCH1H151J	CHIP C 150PF J	
C80			CC73GCH1H151J	CHIP C 150PF J	
C82			CC73GCH1H681J	CHIP C 680PF J	
C84			CC73GCH1H681J	CHIP C 680PF J	
C85			CK73GB1H104K	CHIP C 0.10UF K	
C86			CK73GB1A105K	CHIP C 1.0UF K	
C87			CK73GB0J475K	CHIP C 4.7UF K	
C88			CK73GB1H473K	CHIP C 0.047UF K	
C89			CK73GB1A105K	CHIP C 1.0UF K	
C91			CK73GB1H104K	CHIP C 0.10UF K	
C93-98			CK73GB1H104K	CHIP C 0.10UF K	
C99			CC73GCH1H060D	CHIP C 6.0PF D	
C100			CC73GCH1H020C	CHIP C 2.0PF C	
C101			CK73GB1H104K	CHIP C 0.10UF K	
C102			CC73GCH1H101J	CHIP C 100PF J	
C103			CK73GB1H103K	CHIP C 0.010UF K	

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5870-00)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C305-308			CK73GB1H103K	CHIP C 0.010UF K		R25			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C309			CK73GB1H222K	CHIP C 2200PF K		R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C310			CK73GB1H103K	CHIP C 0.010UF K		R34			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C311,312			CC73GCH1H060D	CHIP C 6.0PF D		R35			RK73GB2A104J	CHIP R 100K J 1/10W	
C313			CK73GB1H103K	CHIP C 0.010UF K		R36			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	
C315			CK73GB1H104K	CHIP C 0.10UF K		R37			RK73GB2A103J	CHIP R 10K J 1/10W	
C316			CK73GB1H103K	CHIP C 0.010UF K		R40			RK73GB2A274J	CHIP R 270K J 1/10W	
C317,318			CK73GB1H102K	CHIP C 1000PF K		R41			RK73GB2A103J	CHIP R 10K J 1/10W	
C319			CK73GB1A105K	CHIP C 1.0UF K		R42			RK73GB2A101J	CHIP R 100 J 1/10W	
C320			CC73GCH1H070D	CHIP C 7.0PF D		R43			RK73GB2A393J	CHIP R 39K J 1/10W	
CN1		*	E41-2630-05	FLAT CABLE CONNECTOR		R44,45			RK73GB2A302J	CHIP R 3.0K J 1/10W	
CN2			E41-2612-05	FLAT CABLE CONNECTOR		R48			RK73GB2A472J	CHIP R 4.7K J 1/10W	
L1		*	L92-0615-05	CHIP FERRITE		R50			RK73GB2A101J	CHIP R 100 J 1/10W	
X1		*	L77-2863-05	CRYSTAL RESONATOR (16.899M)		R51			RK73GB2A392J	CHIP R 3.9K J 1/10W	
X2		*	L78-1215-05	RESONATOR (11.500MHZ)		R52			RK73GB2A163J	CHIP R 16K J 1/10W	
X3		*	L77-2923-05	CRYSTAL RESONATOR (6.000MHZ,LF)		R53			RK73GB2A123J	CHIP R 12K J 1/10W	
CP2			RK74GA1J101J	CHIP-COM 100 J 1/16W		R54			RK73GB2A333J	CHIP R 33K J 1/10W	
CP5			RK74GA1J102J	CHIP-COM 1.0K J 1/16W		R55			RK73GB2A103J	CHIP R 10K J 1/10W	
CP7			RK74HB1J102J	CHIP-COM 1.0K J 1/16W		R56			RK73GB2A123J	CHIP R 12K J 1/10W	
CP10			RK74HB1J103J	CHIP-COM 10K J 1/16W		R57,58			RK73GB2A133J	CHIP R 13K J 1/10W	
CP11			RK74HB1J472J	CHIP-COM 4.7K J 1/16W		R59			RK73GB2A472J	CHIP R 4.7K J 1/10W	
CP16			RK74HB1J104J	CHIP-COM 100K J 1/16W		R60			RK73GB2A123J	CHIP R 12K J 1/10W	
CP19			RK74GA1J103J	CHIP-COM 10K J 1/16W		R61			RK73GB2A183J	CHIP R 18K J 1/10W	
CP20-23		*	RK74HB1J153J	CHIP-COM 15K J 1/16W		R62			RK73GB2A432J	CHIP R 4.3K J 1/10W	
CP24,25			RK74HB1J100J	CHIP-COM 10 J 1/16W		R63			RK73GB2A133J	CHIP R 13K J 1/10W	
CP26		*	RK74GA1J100J	CHIP-COM 10 J 1/16W		R64			RK73GB2A151J	CHIP R 150 J 1/10W	
CP27-30			RK74HB1J100J	CHIP-COM 10 J 1/16W		R67,68			RK73GB2A152J	CHIP R 1.5K J 1/10W	
CP31			RK74GA1J101J	CHIP-COM 100 J 1/16W		R69			RK73GB2A682J	CHIP R 6.8K J 1/10W	
CP50			RK74HB1J102J	CHIP-COM 1.0K J 1/16W		R70			RK73GB2A102J	CHIP R 1.0K J 1/10W	
CP52			RK74GA1J472J	CHIP-COM 4.7K J 1/16W		R71-73			RK73GB2A101J	CHIP R 100 J 1/10W	
CP53			RK74GA1J473J	CHIP-COM 47K J 1/16W		R109			RK73GH2A822D	CHIP R 8.2K D 1/10W	
CP56,57			RK74GA1J103J	CHIP-COM 10K J 1/16W		R110			RK73GH2A562D	CHIP R 5.6K D 1/10W	
CP300			RK74HB1J680J	CHIP-COM 68 J 1/16W		R112			RK73GH2A752D	CHIP R 7.5K D 1/10W	
CP301		*	RK74GA1J680J	CHIP-COM 68 J 1/16W		R115			RK73GH2A822D	CHIP R 8.2K D 1/10W	
CP302,303			RK74HB1J101J	CHIP-COM 100 J 1/16W		R116			RK73GH2A752D	CHIP R 7.5K D 1/10W	
R1			RK73GB2A225J	CHIP R 2.2M J 1/10W		R118,119			RK73GH2A100D	CHIP R 10 D 1/10W	
R3			RK73GB2A223J	CHIP R 22K J 1/10W		R121			RK73GH2A562D	CHIP R 5.6K D 1/10W	
R4			RK73GB2A473J	CHIP R 47K J 1/10W		R130			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R5			RK73GB2A101J	CHIP R 100 J 1/10W		R132			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R6			RK73GH2A223D	CHIP R 22K D 1/10W		R133			RK73GB2A561J	CHIP R 560 J 1/10W	
R7			RK73GB2A223J	CHIP R 22K J 1/10W		R138			RK73GB2A101J	CHIP R 100 J 1/10W	
R8			RK73GH2A393D	CHIP R 39K D 1/10W		R142			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	
R9			RK73GB2A223J	CHIP R 22K J 1/10W		R144			RK73GB2A223J	CHIP R 22K J 1/10W	
R10			RK73GB2A101J	CHIP R 100 J 1/10W		R148			RK73GB2A103J	CHIP R 10K J 1/10W	
R11			RK73GB2A220J	CHIP R 22 J 1/10W		R150			RK73GB2A103J	CHIP R 10K J 1/10W	
R12			RK73GB2A223J	CHIP R 22K J 1/10W		R151			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R13			RK73GB2A102J	CHIP R 1.0K J 1/10W		R152			RK73GB2A221J	CHIP R 220 J 1/10W	
R15			RK73GB2A223J	CHIP R 22K J 1/10W		R153			RK73GB2A100J	CHIP R 10 J 1/10W	
R17			RK73GB2A221J	CHIP R 220 J 1/10W		R154,155			RK73GB2A330J	CHIP R 33 J 1/10W	
R18			RK73GB2A102J	CHIP R 1.0K J 1/10W		R156			RK73GB2A103J	CHIP R 10K J 1/10W	
R19			RK73GB2A472J	CHIP R 4.7K J 1/10W		R300,301			RK73GB2A680J	CHIP R 68 J 1/10W	
R20			RK73GB2A102J	CHIP R 1.0K J 1/10W		R302			RK73GB2A101J	CHIP R 100 J 1/10W	
R21,22			RK73GB2A104J	CHIP R 100K J 1/10W		R304			RK73GB2A101J	CHIP R 100 J 1/10W	
R23,24			RK73GB2A103J	CHIP R 10K J 1/10W		R306,307			RK73GB2A270J	CHIP R 27 J 1/10W	
						R308-310			RK73GB2A153J	CHIP R 15K J 1/10W	

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5870-00)

Ref. No.	Add	New	Parts No.	Description	Destination
R311-316			RK73GB2A100J	CHIP R 10 J 1/10W	
R320-323			RK73GB2A101J	CHIP R 100 J 1/10W	
R336			RK73GB2A101J	CHIP R 100 J 1/10W	
R337			RK73GB2A153J	CHIP R 15K J 1/10W	
R339			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R345			RK73GB2A103J	CHIP R 10K J 1/10W	
R346			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R348			RK73GB2A223J	CHIP R 22K J 1/10W	
R351			RK73GB2A103J	CHIP R 10K J 1/10W	
R353			RK73GB2A473J	CHIP R 47K J 1/10W	
R358,359			RK73GB2A473J	CHIP R 47K J 1/10W	
R361,362			RK73GB2A223J	CHIP R 22K J 1/10W	
R366			RK73GB2A101J	CHIP R 100 J 1/10W	
R367			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R368			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R370			RK73GB2A101J	CHIP R 100 J 1/10W	
R371			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R372,373			RK73FB2B2R2J	CHIP R 2.2 J 1/8W	
R374			RK73GB2A473J	CHIP R 47K J 1/10W	
S1,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	
D2			DA204U	DIODE	
D3			DAN202U	DIODE	
D9			DA204U	DIODE	
IC1		*	M30620FCPPG	MICROCONTROLLER IC	
IC2			UPD63712GC	MOS-IC	
IC4			BA5824FP	ANALOGUE IC	
IC5		*	BD33KA5WFP-E2	ANALOGUE IC	
IC13		*	NJM2100V-ZB	ANALOGUE IC	
IC14			TAR5S50-F	ANALOGUE IC	
IC15			CS7410-IQZ	MOS-IC	
IC16		*	IC42S164007TIG	DRAM IC	
IC17		*	29LV800CBT19V1	ROM IC	
IC18		*	WM8716SEDS/R	MOS-IC	
IC19		*	R1114N331B-TR	ANALOGUE IC (3.3V LF)	
IC20		*	S-1132B18U5T1G	ANALOGUE IC	
IC21		*	BD33KA5WFP-E2	ANALOGUE IC	
IC25		*	TDUHC1240F0C00	MOS-IC	
IC26		*	TC74LCX00FT-F	MOS-IC	
IC28		*	TC7WH125FK-F	MOS-IC	
Q3			UMD9N	TRANSISTOR	
Q6			UMD12N	TRANSISTOR	
Q7			DTC124EE	DIGITAL TRANSISTOR	
Q8			2SB0970	TRANSISTOR	
Q9			DTC114YE	DIGITAL TRANSISTOR	
Q10			DTC114YUA	DIGITAL TRANSISTOR	
Q16			DTA143ZE	DIGITAL TRANSISTOR	
Q17			DTA143XUA	DIGITAL TRANSISTOR	
Q18			DTC114YE	DIGITAL TRANSISTOR	
ELECTRIC UNIT (X34-410x-xx)					
D451			B30-1567-05	LED (1608,RED)	
C1			C90-6784-05	ELECTRO 3900UF 16WV	
C2			CC73GCH1H070D	CHIP C 7.0PF D	

Ref. No.	Add	New	Parts No.	Description	Destination
C10			CK73FB1C105K	CHIP C 1.0UF K	
C11			CD04AY1A221M	ELECTRO 220UF 10WV	
C12			CC73GCH1H070D	CHIP C 7.0PF D	
C20			CD04BA0J101M	ELECTRO 100UF 6.3WV	
C21			C90-5692-05	ELECTRO 220UF 16WV	
C22			CK73GB1H103K	CHIP C 0.010UF K	
C23			CE32CL1C100M	CHIP EL 10UF 16WV	
C30			CK73GB1A474K	CHIP C 0.47UF K	
C31			CD04AY1A101M	ELECTRO 100UF 10WV	
C32			CK73GB1A474K	CHIP C 0.47UF K	
C33			CE32BJ1C101M	CHIP EL 100UF 16WV	
C40			CK73GB1H103K	CHIP C 0.010UF K	
C41			CD04BA0J470M	ELECTRO 47UF 6.3WV	
C42,43			CK73GB1H104K	CHIP C 0.10UF K	
C50			CK73GB1H104K	CHIP C 0.10UF K	
C51			CD04AT1E101M	ELECTRO 100UF 25WV	
C81			C93-1382-05	CHIP C 1UF K	
C82			C93-1381-05	CHIP C 1UF K	
C84			C93-1381-05	CHIP C 1UF K	
C85			C93-1382-05	CHIP C 1UF K	
C86			CK73EB1E105K	CHIP C 1.0UF K	
C87			CK73GB1H103K	CHIP C 0.010UF K	
C100			CK73GB1H104K	CHIP C 0.10UF K	
C102,103			CC73GCH1H220J	CHIP C 22PF J	
C104-106			CK73GB1H103K	CHIP C 0.010UF K	
C107			CK73GB1H102K	CHIP C 1000PF K	
C109-113			CK73GB1H103K	CHIP C 0.010UF K	
C114			CD04AS0J470M	ELECTRO 47UF 6.3WV	
C201			CK73GB1H103K	CHIP C 0.010UF K	
C203			CK73GB1H223K	CHIP C 0.022UF K	
C204			CK73GB1H103K	CHIP C 0.010UF K	
C205			CK73FB1C105K	CHIP C 1.0UF K	
C300			CD04AS1C470M	ELECTRO 47UF 16WV	
C301			CD04AS1H2R2M	ELECTRO 2.2UF 50WV	
C303,304			CD04AS1H3R3M	ELECTRO 3.3UF 50WV	
C305			CK73FB1C105K	CHIP C 1.0UF K	
C306			CK73GB1H103K	CHIP C 0.010UF K	
C307		*	CE32BE1V100M	CHIP EL 10UF 35WV	
C308,309			CD04AS1H2R2M	ELECTRO 2.2UF 50WV	
C310,311			CK73FB1E474K	CHIP C 0.47UF K	
C364,365			CD04AS1H2R2M	ELECTRO 2.2UF 50WV	
C369			CK73FB1C105K	CHIP C 1.0UF K	
C384			CK73FB1C105K	CHIP C 1.0UF K	
C387,388			CC73GCH1H070D	CHIP C 7.0PF D	
C402			CK73GB1H103K	CHIP C 0.010UF K	KE1E2
C403			CK73FB1A225K	CHIP C 2.2UF K	KE1E2
C404			CC73GCH1H331J	CHIP C 330PF J	KE1E2
C405			CD04AS1V100M	ELECTRO 10UF 35WV	KE1E2
C407			CK73GB1H103K	CHIP C 0.010UF K	
C409,410			CK73GB1H103K	CHIP C 0.010UF K	
C412			CK73GB1H103K	CHIP C 0.010UF K	
C414,415			CC73GCH1H150J	CHIP C 15PF J	KE1E2
C423			CC73GCH1H070D	CHIP C 7.0PF D	
C450-452			CK73GB1H104K	CHIP C 0.10UF K	E1E2M1
C450-455			CK73GB1H104K	CHIP C 0.10UF K	K

PARTS LIST

ELECTRIC UNIT (X34-410x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C458			CK73GB1A105K	CHIP C 1.0UF K	K	C910,911			CD04BK1A221M	ELECTRO 220UF 10WV	
C500-504			CK73EB1A475K	CHIP C 4.7UF K	M1	C913			CD04BK1E101M	ELECTRO 100UF 25WV	
C505			CK73GB1H103K	CHIP C 0.010UF K	M1	C914			CK73EB1E105K	CHIP C 1.0UF K	
C506		*	CE32BE1V100M	CHIP EL 10UF 35WV	M1	C915			CD04BK1E101M	ELECTRO 100UF 25WV	
C550,551			CK73GB1H103K	CHIP C 0.010UF K		C917,918			CK73GB1H104K	CHIP C 0.10UF K	
C554			CC73GCH1H070D	CHIP C 7.0PF D		C951			CK73GB1H104K	CHIP C 0.10UF K	
C595			CK73GB1A105K	CHIP C 1.0UF K		C952			CD04BK1A221M	ELECTRO 220UF 10WV	
C600,601			CK73EB1E225K	CHIP C 2.2UF K	KM1	C953			CK73GB1H104K	CHIP C 0.10UF K	
C602			CK73GB1H103K	CHIP C 0.010UF K	KM1	C955			CK73GB1H104K	CHIP C 0.10UF K	
C603			CK73GB1H223K	CHIP C 0.022UF K	KM1	C981			CK73FB1H224K	CHIP C 0.22UF K	
C604			CD04AS1C220M	ELECTRO 22UF 16WV	KM1	CN5			E41-0944-05	PIN ASSY	KE1E2
C605-608			CK73EB1E225K	CHIP C 2.2UF K	KM1	CN450			E41-2259-05	PIN ASSY	
C609			CD04BF1E101M	ELECTRO 100UF 25WV	KM1	CN500			E41-2344-05	FLAT CABLE CONNECTOR	
C610			CD04AS1C220M	ELECTRO 22UF 16WV	KM1	CN550		*	E41-2358-05	FLAT CABLE CONNECTOR	
C611		*	CE32BE1V100M	CHIP EL 10UF 35WV		CN600			E41-2555-05	PIN ASSY	
C612,613			CD04AS1V100M	ELECTRO 10UF 35WV		CN900			E41-0944-05	PIN ASSY	
C614,615		*	CE32BE1V100M	CHIP EL 10UF 35WV		J1			E58-0991-05	RECTANGULAR RECEPTACLE	
C616,617			CD04AS1V100M	ELECTRO 10UF 35WV		J2			E56-0855-05	CYLINDRICAL RECEPTACLE	
C618,619		*	CE32BE1V100M	CHIP EL 10UF 35WV		W400			E30-6438-05	CORD WITH PLUG (ANT)	
C620,621			CD04AS1V100M	ELECTRO 10UF 35WV		L1		*	L33-2319-05	CHOKE COIL ASSY	
C622		*	CE32BE1V100M	CHIP EL 10UF 35WV		L81			L33-2337-05	SMALL FIXED INDUCTOR	
C623-628			CK73GB1H102K	CHIP C 1000PF K	KM1	L101			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	
C629			CK73FB1E474K	CHIP C 0.47UF K		L100			L33-2260-05	CHOKE COIL	
C630			CD04AT0J470M	ELECTRO 47UF 6.3WV		L405			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	KE1E2
C631			CK73FB1E474K	CHIP C 0.47UF K		L550		*	L92-0616-05	CHIP FERRITE	
C632			CK73GB1H103K	CHIP C 0.010UF K		L600		*	L41-2205-33	SMALL FIXED INDUCTOR (22U)	KM1
C633,634		*	CE32BE1V100M	CHIP EL 10UF 35WV	KM1	L901		*	L33-2296-05	SMALL FIXED INDUCTOR	
C635-638			CK73GB1A105K	CHIP C 1.0UF K	KM1	L902		*	L33-2297-05	SMALL FIXED INDUCTOR	
C701			CK73FB1E474K	CHIP C 0.47UF K		X100			L78-0872-05	RESONATOR (12MHZ)	
C702			CD04AS0J470M	ELECTRO 47UF 6.3WV		X101			L77-2880-05	CRYSTAL RESONATOR	
C703			CK73FB1E474K	CHIP C 0.47UF K		X401			L77-2002-05	CRYSTAL RESONATOR	KE1E2
C704			CK73GB1H103K	CHIP C 0.010UF K		Q	2D		N83-3005-48	PAN HEAD TAPTITE SCREW	
C750			CK73FB1C105K	CHIP C 1.0UF K		T	2D		N80-3010-48	PAN HEAD TAPTITE SCREW	
C752-755			C90-6781-05	ELECTRO 4.7UF 16WV		V	2D		N83-3020-48	PAN HEAD TAPTITE SCREW	
C756		*	CD04BM1A101M	ELECTRO 100UF 10WV		CP100			RK74GB1J101J	CHIP-COM 100 J 1/16W	
C757			C90-6781-05	ELECTRO 4.7UF 16WV		CP101-103			RK74GA1J101J	CHIP-COM 100 J 1/16W	K
C758			CK73GB1H103K	CHIP C 0.010UF K		CP101,102			RK74GA1J101J	CHIP-COM 100 J 1/16W	E1E2M1
C759			CK73FB1C105K	CHIP C 1.0UF K		CP104			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
C760-768			CC73GCH1H150J	CHIP C 15PF J		CP107			RK74GB1J102J	CHIP-COM 1.0K J 1/16W	
C771-775			CC73GCH1H150J	CHIP C 15PF J		CP108			RK74GA1J222J	CHIP-COM 2.2K J 1/16W	
C780			CC73GCH1H150J	CHIP C 15PF J		CP109			RK74GB1J101J	CHIP-COM 100 J 1/16W	KE1E2
C800-802			CD04AS1V100M	ELECTRO 10UF 35WV		CP110,111			RK74GA1J101J	CHIP-COM 100 J 1/16W	
C803			CK73GB1H104K	CHIP C 0.10UF K		R1			RK73EB2E102J	CHIP R 1.0K J 1/4W	
C804			CK73GB1H103K	CHIP C 0.010UF K		R2,3			RK73EB2E103J	CHIP R 10K J 1/4W	
C805			CD04AS1C470M	ELECTRO 47UF 16WV		R10			RK73GH2A243D	CHIP R 24K D 1/10W	
C806,807			CK73GB1H102K	CHIP C 1000PF K		R11			RK73FB2B221J	CHIP R 220 J 1/8W	
C808			CD04BA1C101M	ELECTRO 100UF 16WV		R13			RK73GH2A432D	CHIP R 4.3K D 1/10W	
C811,812			CC73GCH1H070D	CHIP C 7.0PF D		R14		*	RK73GB2A160J	CHIP R 16 J 1/10W	
C816			CK73GB1H104K	CHIP C 0.10UF K		R20			RK73FB2B203J	CHIP R 20K J 1/8W	
C901			CC73GCH1H680J	CHIP C 68PF J		R21			RK73GB2A223J	CHIP R 22K J 1/10W	
C902			CK73GB1H332K	CHIP C 3300PF K		R23			RK73FB2B272J	CHIP R 2.7K J 1/8W	
C903,904			CK73GB1H104K	CHIP C 0.10UF K		R30			RK73FB2B102J	CHIP R 1.0K J 1/8W	
C905			CK73GB1H682K	CHIP C 6800PF K		R31			RK73FB2B152J	CHIP R 1.5K J 1/8W	
C907,908			CK73GB1H104K	CHIP C 0.10UF K		R40			RK73FB2B223J	CHIP R 22K J 1/8W	

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-410x-xx)

Ref. No.	Added	New	Parts No.	Description	Destination
R41			RK73FB2B182J	CHIP R 1.8K J 1/8W	
R42			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R45,46			RK73PB2H1R0J	CHIP R 1.0 J 1/2W	
R50			RK73FB2B222J	CHIP R 2.2K J 1/8W	
R52			RK73FB2B104J	CHIP R 100K J 1/8W	
R80			RK73GH2A434D	CHIP R 430K D 1/10W	
R81			RK73GB2A473J	CHIP R 47K J 1/10W	
R82			RK73GH2A103D	CHIP R 10K D 1/10W	
R84			RK73GH2A153D	CHIP R 15K D 1/10W	
R91,92			RK73GB2A104J	CHIP R 100K J 1/10W	
R93			RK73FB2B431J	CHIP R 430 J 1/8W	
R100-102			RK73GB2A104J	CHIP R 100K J 1/10W	M1
R100-104			RK73GB2A104J	CHIP R 100K J 1/10W	KE1E2
R104			RK73GB2A104J	CHIP R 100K J 1/10W	M1
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	
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	KE1E2
R122,123			RK73GB2A101J	CHIP R 100 J 1/10W	
R125			RK73GB2A222J	CHIP R 2.2K J 1/10W	KE1E2
R126			RK73GB2A101J	CHIP R 100 J 1/10W	
R127			RK73GB2A103J	CHIP R 10K J 1/10W	
R128			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R129			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R130			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R131			RK73GB2A473J	CHIP R 47K J 1/10W	
R132,133			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R134			RK73GB2A101J	CHIP R 100 J 1/10W	
R139			RK73GB2A473J	CHIP R 47K J 1/10W	
R141,142			RK73GB2A473J	CHIP R 47K J 1/10W	
R144,145			RK73GB2A101J	CHIP R 100 J 1/10W	
R146			RK73GB2A333J	CHIP R 33K J 1/10W	
R148			RK73GB2A473J	CHIP R 47K J 1/10W	
R149,150			RK73GB2A223J	CHIP R 22K J 1/10W	
R153			RK73GB2A223J	CHIP R 22K J 1/10W	M1
R153-155			RK73GB2A223J	CHIP R 22K J 1/10W	K
R154			RK73GB2A223J	CHIP R 22K J 1/10W	E1E2
R156			RK73GB2A223J	CHIP R 22K J 1/10W	M1
R156,157			RK73GB2A223J	CHIP R 22K J 1/10W	E1
R157			RK73GB2A223J	CHIP R 22K J 1/10W	E2
R158,159			RK73GB2A223J	CHIP R 22K J 1/10W	M1
R159			RK73GB2A223J	CHIP R 22K J 1/10W	E1
R159,160			RK73GB2A223J	CHIP R 22K J 1/10W	E2
R160			RK73GB2A223J	CHIP R 22K J 1/10W	K
R161			RK73GB2A104J	CHIP R 100K J 1/10W	
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	

Ref. No.	Added	New	Parts No.	Description	Destination
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	
R187			RK73GB2A473J	CHIP R 47K J 1/10W	
R188			RK73GB2A102J	CHIP R 1.0K 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	KM1
R217			RK73PB2H221J	CHIP R 220 J 1/2W	KM1
R218,219			RK73FB2B472J	CHIP R 4.7K J 1/8W	
R220			RK73PB2H221J	CHIP R 220 J 1/2W	KM1
R300			RK73EB2E2R2J	CHIP R 2.2 J 1/4W	
R301			RK73GB2A103J	CHIP R 10K J 1/10W	
R335,336			RK73GB2A101J	CHIP R 100 J 1/10W	
R402			RK73FB2B1R0J	CHIP R 1.0 J 1/8W	
R404			RK73GB2A223J	CHIP R 22K J 1/10W	
R405,406			RK73GB2A471J	CHIP R 470 J 1/10W	
R407,408			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R409			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R410-412			RK73GB2A222J	CHIP R 2.2K J 1/10W	KE1E2
R425-428			RK73GB2A910J	CHIP R 91 J 1/10W	
R429			RK73GB2A270J	CHIP R 27 J 1/10W	
R450,451			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R452			RK73GB2A241J	CHIP R 240 J 1/10W	
R453,454			RK73GB2A102J	CHIP R 1.0K J 1/10W	K
R457			RK73GH2A241D	CHIP R 240 D 1/10W	K
R458			RK73GH2A111D	CHIP R 110 D 1/10W	K
R500			RK73GB2A473J	CHIP R 47K J 1/10W	M1
R501			RK73EB2E101J	CHIP R 100 J 1/4W	
R502			RK73GB2A102J	CHIP R 1.0K J 1/10W	M1
R503			RK73GB2A333J	CHIP R 33K J 1/10W	M1
R504,505			RK73GB2A473J	CHIP R 47K J 1/10W	M1
R506			RK73GB2A821J	CHIP R 820 J 1/10W	M1
R507			RK73GB2A104J	CHIP R 100K J 1/10W	M1
R508			RK73GB2A101J	CHIP R 100 J 1/10W	M1
R509			RK73EB2E103J	CHIP R 10K J 1/4W	M1
R510,511			RK73EB2E101J	CHIP R 100 J 1/4W	
R512,513			RK73GB2A334J	CHIP R 330K J 1/10W	M1
R514			RK73EB2E101J	CHIP R 100 J 1/4W	
R515			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R516			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R517			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R518,519			RK73GB2A103J	CHIP R 10K J 1/10W	M1
R520			RK73GB2A1R0J	CHIP R 1.0 J 1/10W	M1

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-410x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R550			RK73GB2A472J	CHIP R 4.7K J 1/10W		R711			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R551			RK73GB2A471J	CHIP R 470 J 1/10W		R712			RK73EB2E102J	CHIP R 1.0K J 1/4W	KE1E2
R552,553			RK73GB2A104J	CHIP R 100K J 1/10W		R713-715			RK73EB2E471J	CHIP R 470 J 1/4W	E1E2
R554			RK73GB2A471J	CHIP R 470 J 1/10W		R750			RK73GB2A683J	CHIP R 68K J 1/10W	
R557			RK73GB2A161J	CHIP R 160 J 1/10W		R752			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R600,601			RK73GB2A913J	CHIP R 91K J 1/10W	KM1	R755-758			RK73GB2A910J	CHIP R 91 J 1/10W	
R602			RK73GB2A103J	CHIP R 10K J 1/10W	KM1	R759-762			RK73GB2A103J	CHIP R 10K J 1/10W	
R603			RK73GB2A470J	CHIP R 47 J 1/10W	KM1	R763			RK73GB2A100J	CHIP R 10 J 1/10W	
R604			RK73GB2A274J	CHIP R 270K J 1/10W	KM1	R764			RK73GB2A103J	CHIP R 10K J 1/10W	
R605			RK73GB2A563J	CHIP R 56K J 1/10W	KM1	R765			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R606			RK73GB2A752J	CHIP R 7.5K J 1/10W	KM1	R766			RK73GB2A680J	CHIP R 68 J 1/10W	
R607			RK73GB2A470J	CHIP R 47 J 1/10W	KM1	R767			RK73GB2A220J	CHIP R 22 J 1/10W	
R608			RK73GB2A272J	CHIP R 2.7K J 1/10W	KM1	R768			RK73GB2A123J	CHIP R 12K J 1/10W	
R609			RK73GB2A750J	CHIP R 75 J 1/10W	KM1	R770			RK73GB2A243J	CHIP R 24K J 1/10W	
R610			RK73GB2A182J	CHIP R 1.8K J 1/10W	KM1	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	KM1	R800			RK73GB2A391J	CHIP R 390 J 1/10W	
R613			RK73GB2A123J	CHIP R 12K J 1/10W	KM1	R801			RK73GB2A242J	CHIP R 2.4K J 1/10W	
R614			RK73GB2A103J	CHIP R 10K J 1/10W	KM1	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	KM1	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	KM1	R808			RK73GB2A113J	CHIP R 11K J 1/10W	
R619			RK73GB2A123J	CHIP R 12K J 1/10W	KM1	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	KM1	R811			RK73GB2A104J	CHIP R 100K J 1/10W	
R623			RK73GB2A123J	CHIP R 12K J 1/10W	KM1	R812			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	
R624			RK73GB2A103J	CHIP R 10K J 1/10W	KM1	R813			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R625			RK73GB2A223J	CHIP R 22K J 1/10W		R815			RK73GB2A101J	CHIP R 100 J 1/10W	
R626			RK73GB2A103J	CHIP R 10K J 1/10W	KM1	R817			RK73GB2A100J	CHIP R 10 J 1/10W	
R627			RK73GB2A223J	CHIP R 22K J 1/10W		R822	*		RK73GB2A160J	CHIP R 16 J 1/10W	
R628			RK73GB2A820J	CHIP R 82 J 1/10W	KM1	R823			RK73FB2B1R0J	CHIP R 1.0 J 1/8W	
R629			RK73GB2A123J	CHIP R 12K J 1/10W	KM1	R824			RK73GB2A3R9J	CHIP R 3.9 J 1/10W	
R630,631			RK73GB2A361J	CHIP R 360 J 1/10W		R825			RK73GB2A120J	CHIP R 12 J 1/10W	
R632			RK73GB2A820J	CHIP R 82 J 1/10W	KM1	R826			RK73GB2A1R5J	CHIP R 1.5 J 1/10W	
R633			RK73GB2A123J	CHIP R 12K J 1/10W	KM1	R827			RK73GB2A270J	CHIP R 27 J 1/10W	
R634			RK73GB2A103J	CHIP R 10K J 1/10W	KM1	R839,840			RK73GB2A103J	CHIP R 10K J 1/10W	
R635			RK73GB2A223J	CHIP R 22K J 1/10W		R841			RK73GB2A102J	CHIP R 1.0K J 1/10W	KE1E2
R636			RK73GB2A103J	CHIP R 10K J 1/10W	KM1	R901,902			RK73GB2A104J	CHIP R 100K J 1/10W	
R637			RK73GB2A223J	CHIP R 22K J 1/10W		R907	*		RK73GH2A823D	CHIP R 82K D 1/10W	
R638			RK73GB2A820J	CHIP R 82 J 1/10W	KM1	R908	*		RK73GH2A114D	CHIP R 110K D 1/10W	
R639			RK73GB2A123J	CHIP R 12K J 1/10W	KM1	R909			RK73GH2A683D	CHIP R 68K D 1/10W	
R640			RK73GB2A361J	CHIP R 360 J 1/10W		R910			RK73GH2A103D	CHIP R 10K D 1/10W	
R641			RK73EB2E100J	CHIP R 10 J 1/4W		R911			RK73GH2A753D	CHIP R 75K D 1/10W	
R642			RK73EB2E4R7J	CHIP R 4.7 J 1/4W		R913			RK73GH2A103D	CHIP R 10K D 1/10W	
R643			RK73EB2E100J	CHIP R 10 J 1/4W		R914			RK73GH2A753D	CHIP R 75K D 1/10W	
R644			RK73GB2A102J	CHIP R 1.0K J 1/10W		R915,916			RK73GB2A154J	CHIP R 150K J 1/10W	
R655-660			RK73GB2A104J	CHIP R 100K J 1/10W	KM1	R951			RK73GB2A153J	CHIP R 15K J 1/10W	
R700			RK73EB2E472J	CHIP R 4.7K J 1/4W		R954			RK73GB2A153J	CHIP R 15K J 1/10W	
R701			RK73EB2E101J	CHIP R 100 J 1/4W		R959			RK73PB2H2R2J	CHIP R 2.2 J 1/2W	
R702			RK73EB2E472J	CHIP R 4.7K J 1/4W		R960			RK73GB2A101J	CHIP R 100 J 1/10W	
R703-707			RK73EB2E101J	CHIP R 100 J 1/4W		R981,982			RK73PB2H1R0J	CHIP R 1.0 J 1/2W	
R708			RK73EB2E100J	CHIP R 10 J 1/4W		R983			RK73GB2A104J	CHIP R 100K J 1/10W	
R709			RK73EB2E4R7J	CHIP R 4.7 J 1/4W		R984			RK73FB2B221J	CHIP R 220 J 1/8W	
R710			RK73EB2E100J	CHIP R 10 J 1/4W		R985			RK73GB2A473J	CHIP R 47K J 1/10W	

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-410x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R987			RK73GB2A102J	CHIP R 1.0K J 1/10W	
W200			R92-1252-05	CHIP R 0 OHM J 1/16W	KM1
W200,201			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W401			R92-2053-05	CHIP R 0 OHM J 1/8W	
W500			R92-1252-05	CHIP R 0 OHM J 1/16W	
W596,597			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W603,604			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W609,610			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W615,616			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W751			R92-1252-05	CHIP R 0 OHM J 1/16W	
W754			R92-1252-05	CHIP R 0 OHM J 1/16W	
S1,2			S68-0886-05	PUSH SWITCH	
D1			S2V60*A	DIODE	
D20			RB160L-40	DIODE	
D21			UDZS5.6B	ZENER DIODE	
D30			HZU9.1 (B1)-E	ZENER DIODE	
D31			UDZS8.2B	ZENER DIODE	
D40			UDZS5.6B	ZENER DIODE	
D41			02DZ11F-Y	ZENER DIODE	
D50		*	UDZS20B	ZENER DIODE	
D80-82			RB060L-40	DIODE	
D101-104			DAP202U	DIODE	E1E2
D102-104			DAP202U	DIODE	K
D102-105			DAP202U	DIODE	M1
D200			DAP202U	DIODE	
D202			UDZS6.2B	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	
D220			DAP202U	DIODE	
D302,303			UDZS5.6B	ZENER DIODE	
D500			DA204K	DIODE	
D501			STZ6.2N	ZENER DIODE	
D502			DA204K	DIODE	
D503			STZ6.2N	ZENER DIODE	
D504			DA204U	DIODE	M1
D505			DAP202U	DIODE	
D506			STZ6.2N	ZENER DIODE	
D550,551			IMSA-6802-E	SURGE ABSORBER	
D600			UDZS5.6B	ZENER DIODE	KM1
D601			UDZS11B	ZENER DIODE	KM1
D608,609			STZ6.8N	ZENER DIODE	
D700-704			STZ6.2N	ZENER DIODE	KM1
D700-707			STZ6.2N	ZENER DIODE	E1E2
D706,707			STZ6.2N	ZENER DIODE	K
D707			STZ6.2N	ZENER DIODE	M1
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	
D802			UDZS16B	ZENER DIODE	
D803,804			DAP222	DIODE	
D901		*	NSQ03A04G	DIODE	
D902			SFPB-54VNF	DIODE	
D952			STZ6.8N	ZENER DIODE	
D981			UDZS15B	ZENER DIODE	
IC10			M5237ML-CF0J	ANALOGUE IC	
IC80			LT3467A	ANALOGUE IC	
IC100			S-80836CNNB-J	MOS-IC	
IC102		*	30625MCPA87GP	MICROCONTROLLER IC	
IC103			TC7W02FU-F	MOS-IC	
IC104			BR24L04FV-W	ROM IC	
IC200			TPD1018F-F	ANALOGUE IC	
IC300			E-TDA7415C	ANALOGUE IC	
IC400			E-TDA7479AD	ANALOGUE IC	KE1E2
IC450			LB1930M-E	ANALOGUE IC	
IC451			MMA6261QR2	ANALOGUE IC	K
IC500			RC4580IDR	ANALOGUE IC	M1
IC600			ICL7660SIBAZ	ANALOGUE IC	KM1
IC601-603			NJM4565V-ZB	ANALOGUE IC	KM1
IC750			E-TDA7560A	ANALOGUE IC	
IC800			RC4580IDR	ANALOGUE IC	
IC901		*	BD9302FP	ANALOGUE IC	
IC951		*	MIC2026-1YM	MOS-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	
Q34			UMC2N	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			2SC2873-F	TRANSISTOR	
Q91			2SD2351 (W)	TRANSISTOR	
Q100			2SA1576A	TRANSISTOR	
Q101			DTC144EUA	DIGITAL TRANSISTOR	
Q201			DTA124EUA	DIGITAL TRANSISTOR	
Q202			2SC4081	TRANSISTOR	
Q204,205			2SC4081	TRANSISTOR	
Q206			DTA123JK	DIGITAL TRANSISTOR	
Q207			DTC144EUA	DIGITAL TRANSISTOR	
Q208			2SB1184	TRANSISTOR	KM1
Q209			DTC114YUA	DIGITAL TRANSISTOR	KM1
Q210			DTA124EUA	DIGITAL TRANSISTOR	

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-410x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
Q402			2SB1689	TRANSISTOR	
Q403			DTC124EUA	DIGITAL TRANSISTOR	
Q450			DTC114YUA	DIGITAL TRANSISTOR	
Q500			2SC4617	TRANSISTOR	M1
Q600			2SC4081	TRANSISTOR	KM1
Q601			2SA1576A	TRANSISTOR	KM1
Q602			2SC4081	TRANSISTOR	KM1
Q603			2SA1576A	TRANSISTOR	KM1
Q604			2SC4081	TRANSISTOR	KM1
Q605			2SA1576A	TRANSISTOR	KM1
Q606			2SC4081	TRANSISTOR	KM1
Q607			2SB1443	TRANSISTOR	KM1
Q608-615			DTC143TUA	DIGITAL TRANSISTOR	
Q800			DTA124EUA	DIGITAL TRANSISTOR	
Q801			2SA1774	TRANSISTOR	
Q802			2SC2873-F	TRANSISTOR	
Q901,902			DTC143TUA	DIGITAL TRANSISTOR	
Q903			UMG2N	TRANSISTOR	
Q981			2SB1188 (R)	TRANSISTOR	
Q982			2SD2351 (W)	TRANSISTOR	
Q983			UMD12N	TRANSISTOR	
TH750			PRF18BE471QS2	POSITIVE RESISTOR	
A1	2D	*	X86-4000-11	FRONT-END UNIT	KM1
A1	2D	*	X86-4002-70	FRONT-END UNIT	E1E2
CD MECHANISM ASSY (X92-5580-00/04) (DXM-6820W/6824W)					
2	1B		A10-4827-32	CHASSIS	
5	2B		D10-4576-93	ARM ASSY	
8	2A		D10-4787-63	LEVER ASSY	E1E2
8	2A		D10-4901-13	LEVER ASSY	KM1
10	2A		D10-4581-13	ARM	
11	2A		D10-4582-13	ARM	
12	3A		D10-4583-03	ARM	
13	3A		D10-4584-03	ARM	
14	3B		D10-4585-03	ARM	
15	2A		D10-4586-13	SLIDER	
16	3B		D10-4587-52	SLIDER	
17	2B		D10-4588-13	SLIDER	
18	2B		D10-4595-04	ARM	
19	2B		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	2B		D13-2156-14	GEAR	
28	3B		D13-2157-04	GEAR	
29	2B		D13-2158-04	GEAR	
30	2B		D13-2168-04	GEAR	
31	3B		D13-2171-04	GEAR	
32	1B		D13-2172-13	RACK (GEAR)	
33	2A		D14-0759-04	ROLLER	
35	2B		D21-2382-04	SHAFT	
36	1A		D23-0954-04	RETAINER	

Ref. No.	Add	New	Parts No.	Description	Destination
37	1B		D39-0246-05	DAMPER	KM1
37	1B		D39-0260-05	DAMPER	E1E2
38	2B		G01-3072-04	EXTENSION SPRING	
39	2A		G01-3073-04	TORSION COIL SPRING	
40	2A		G01-3074-04	EXTENSION SPRING	
41	1B		G01-3075-24	EXTENSION SPRING	
42	2A		G01-3076-04	EXTENSION SPRING	
43	1B		G01-3077-14	EXTENSION SPRING	
44	2B		G02-1399-04	FLAT SPRING	
45	2B		G02-1408-04	FLAT SPRING	
46	3B		F09-1804-04	SHEET	E1E2
47	3A	*	F09-2824-14	SHEET	
51	1A		J21-9676-32	MOUNTING HARDWARE	
52	3B		J21-9677-22	MOUNTING HARDWARE	
53	1B		J21-9678-13	MOUNTING HARDWARE	
55	1A		J90-1001-11	GUIDE	
56	1B		J90-1023-03	GUIDE	
DFPC1	3A		J86-0027-05	FPC (LEAD FREE)	
A	2B		N09-4460-15	TAPTITE SCREW (PT2X8)	
B	1B		N09-4472-25	MACHINE SCREW (M1.7X8.0)	
C	2B		N09-6004-15	MACHINE SCREW (M1.7X2.5)	
E	2B		N09-6007-15	MACHINE SCREW (PAN M2X2)	
F	1A		N09-6051-15	TAPTITE SCREW (BIND P2X5)	
G	2A		N19-2163-04	FLAT WASHER	
H	1B		N39-2020-46	PAN HEAD MACHINE SCREW	
J	1B		N09-6108-15	TAPTITE SCREW (M2X3.5)	
K	3B		N09-6155-15	SEMS (TAPTITE SCREW) (PT2X6)	
DM1	3B		T42-1066-14	DC MOTOR (SPINDLE)	
DM2	2B		T42-1067-14	DC MOTOR (LOADING)	
DPU1	2B		X93-2010-01	OPTICAL PICKUP ASSY	

E1 : KDC-W7534U E2 : KDC-W7534UY (Europe)
K : KDC-X890 (North America) M1 : KDC-X9533U (Other Areas)

△ Indicates safety critical components.

SPECIFICATIONS

FM tuner section

Frequency range

KDC-W7534U/W7534UY/X9533U
..... 87.5MHz~108.0MHz (50kHz space)
KDC-X890/X9533U . 87.9MHz~107.9MHz (200kHz space)

Usable sensitivity

KDC-W7534U/W7534UY (S/N=26dB) 0.7 μ V/75 Ω
KDC-X890/X9533U (S/N=30dB) 9.3dBf (0.8 μ V/75 Ω)

Quieting Sensitivity

KDC-W7534U/W7534UY (S/N=46dB) 1.6 μ V/75 Ω
KDC-X890/X9533U (S/N=50dB) 15.2dBf (1.6 μ V/75 Ω)

Frequency response (\pm 3.0dB) 30Hz~15kHz

Signal to Noise ratio (MONO)

KDC-W7534U/W7534UY 65dB
KDC-X890/X9533U 70dB

Selectivity (\pm 400kHz) \geq 80dB

Stereo separation (1kHz)

KDC-W7534U/W7534UY 35dB
KDC-X890/X9533U 40dB

AM tuner section (KDC-X890/X9533U)

Frequency range 530kHz~1700kHz (10kHz space)

Usable sensitivity (S/N=20dB) 28dB μ (25 μ V)

MW tuner section (KDC-W7534U/W7534UY/X9533U)

Frequency range (9kHz space) 531kHz~1611kHz

Usable sensitivity (S/N=20dB) 25 μ V

LW tuner section (KDC-W7534U/W7534UY)

Frequency range 153kHz~281kHz

Usable sensitivity (S/N=20dB) 45 μ V

CD player section

Laser diode GaAlAs

Digital filter (D/A) 8 Times Over Sampling

D/A Converter 1Bit

Spindle speed 1000~400rpm (CLV 2times)

Wow & Flutter Below Measurable Limit

Frequency response (\pm 1dB) 10Hz~20kHz

Total harmonic distortion (1kHz) 0.008%

Signal to Noise ratio (1kHz) 110dB

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

USB Interface

USB Standard USB1.1/2.0

Maximum Supply current 500mA

File System FAT16/32

MP3 decode Compliant with MPEG-1/2 Audio Layer-3

WMA decode Compliant with Windows Media Audio

AAC decode AAC-LC “.m4a” files

Audio section

Maximum output power 50W x 4

Output power (DIN 45324, +B=14.4V)

KDC-W7534U/W7534UY 30W x 4

Full Bandwidth Power (at less than 1% THD)

KDC-X890/X9533U 22W x 4

Speaker impedance 4~8 Ω

Tone action

Bass 100Hz \pm 8dB

Middle 1kHz \pm 8dB

Treble 10kHz \pm 8dB

Preout level/Load (during disc play)

KDC-W7534U/W7534UY 2500mV/10k Ω

KDC-X890/X9533U 5000mV/10k Ω

Preout impedance

KDC-W7534U/W7534UY \leq 600 Ω

KDC-X890/X9533U \leq 80 Ω

Auxiliary input

Frequency response (\pm 1dB) 20Hz~20kHz

Input Maximum Voltage 1200mV

Input impedance 100k Ω

General

Operating voltage (11~16V allowable) 14.4V

Current consumption 10A

Installation Size (W x H x D) 182 x 53 x 155mm

..... 7-3/16 x 2-1/16 x 6-1/8inch

Weight 1.5kg (3.31lbs)

KENWOOD follows a policy of continuous advancements
in development.

For this reason specifications may be changed without notice.

DANGER:

Please do not look the laser beam directly during re-
pair or operation check.

