

CD RECEIVER

# KDC-MP928 KDC-PSW9531/PSW9531Y XXV-01D SERVICE MANUAL

# KENWOOD

Kenwood Corporation

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B53-0296-00 (N) 1703

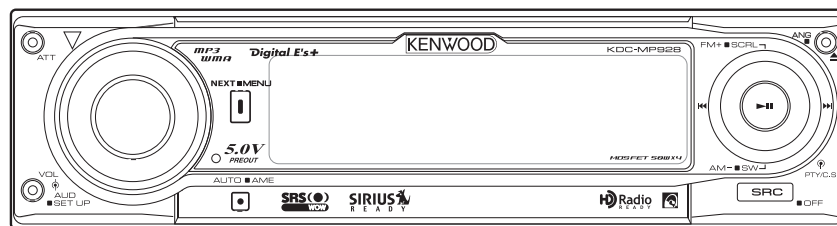
A unique identification number (Unique ID) is given to each unit, which is imprinted on the CD mechanism assembly. If and when the mechanism assembly or Flash ROM (IC17) on the mechanism board is replaced, it is necessary to write the Unique ID. For details, refer to "How to Write the Unique ID" on Page 18.

## TDF PANEL INFORMATION

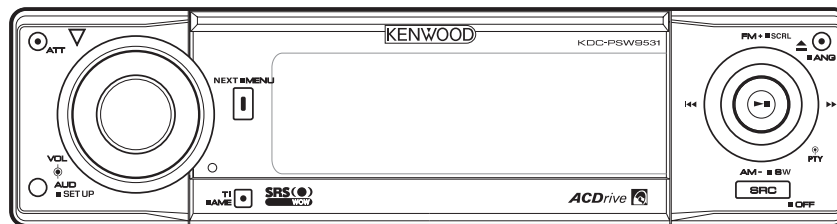
MODEL	TDF PANEL No.	TDF NAME
KDC-MP929	Y33-2350-60	TDF-MP59D
KDC-W9531/W9531Y	Y33-2350-62	TDF-W9531
XXV-01D (K,M type)	Y33-2350-61	TDF-XXV01DX
XXV-01D (E type)	Y33-2350-63	TDF-XXV01D

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

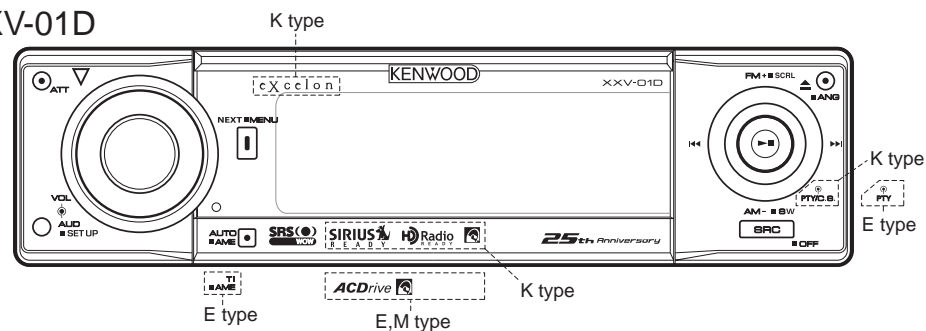
### KDC-MP928



### KDC-PSW9531/PSW9531Y



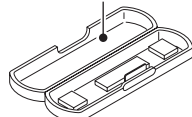
### XXV-01D



Compact disc \*  
(W01-1643-15) :K,M  
(W01-1647-05) :E



Plastic cabinet assy  
(A02-2749-03)



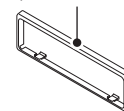
Remote controller assy(RC-527)  
(A70-2067-05)



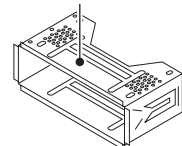
SIZE AA BATTERY  
(Not supplied)



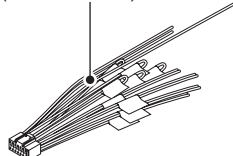
Escutcheon  
(B07-3125-01)



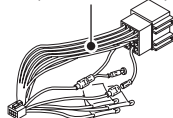
Mounting hardware assy  
(J21-9716-03)



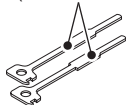
DC cord \*  
(E30-6408-05) :K,M  
(E30-6414-05) :KDC-MP928



DC cord \*  
(E30-6412-05) :E



Lever  
(D10-4589-04) X2



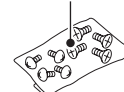
Cleaning cloth \*  
(W01-1649-05)



Antenna adaptor \*  
(T90-0523-05)



Screw set \*  
(N99-1758-05)



Screw  
(N09-6280-05)

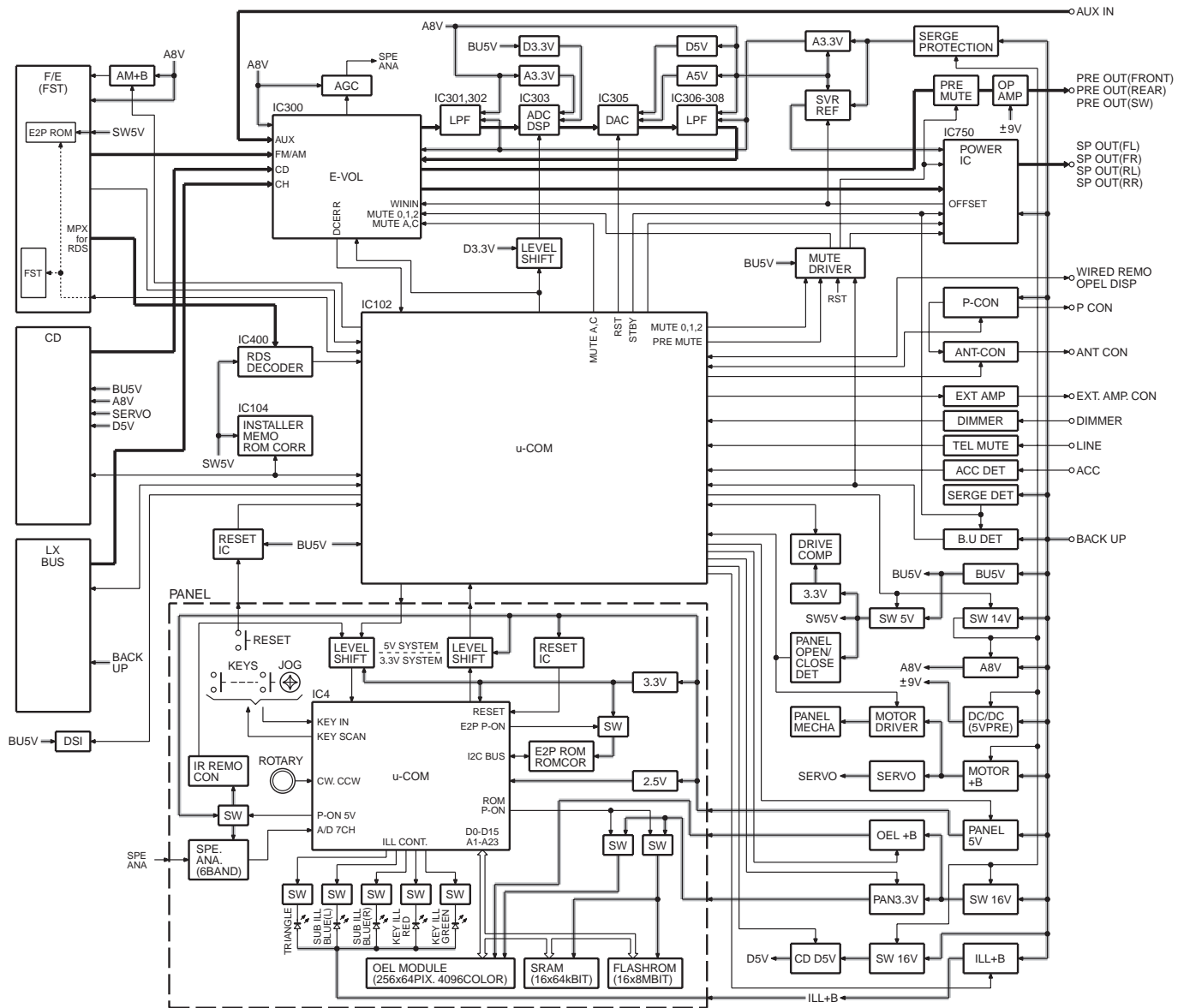


\* Depends on the model. Refer to the parts list.



# BLOCK DIAGRAM

ELECTRIC UNIT (X34-356)





## COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC12	STATIC RAM IC	Temporary graphics data storing
IC13	LOGIC IC	For Control AVDD of OEL Module. When "H" out (AVDD ON) both DVDD of OEL Module and pin#87 of IC4 are H
Q1	TRIANGLE RED LED SW	Triangle red LED is lighting when Q1's base level goes "H"
Q2	SUB ILLUMINATION BLUE LED (ROTARY) SW	Sub illumination LED [Rotary] is lighting when Q2's base level goes "H"
Q3	SUB ILLUMINATION BLUE LED (JOYSTICK) SW	Sub illumination LED [Joystick] is lighting when Q3's base level goes "H"
Q4	KEY ILLUMINATION GREEN LED SW	Green LED are lighting when Q4's base level goes "H"
Q5	KEY ILLUMINATION RED LED SW	Red LED are lighting when Q5's base level goes "H"
Q6,9	AVDD OF OEL MODULE SW	AVDD of OEL module is turned on when Q9's base level goes "H"
Q7,8	SW5V SW	SW5V the power supply of IC2, IC6 is turned on when Q8's base level goes "H"
Q10	IC3 POWER SUPPLY SW	Power of IC3 is turned on when Q10's base level goes "L"
Q16,17	IC1, IC12 POWER SUPPLY SW	SW3.3V the power supply of IC1, IC12 is turned on when Q16's base level goes "H"

### ● ELECTRIC UNIT (X34-356x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility																		
IC1	DSP Analog Power Supply	Output 3.3V																		
IC3	DAC Digital Power Supply	Output 5.0V																		
IC4	DAC Analog Power Supply	Output 5.0V																		
IC5	DSP Digital Power Supply	Output 3.3V																		
IC10	Audio8V Ref Power Supply	Output 1.27V																		
IC100	Reset IC	"L" when detection voltage goes below 3.6V or less																		
IC102	System $\mu$ -com	Controls FM/AM tuner, the changer, CD mechanism, Panel, volume and tone																		
IC103	Muting logic IC	Controls logic for muting																		
IC104	EEPROM	For instraller's memory																		
IC200	Power Control IC	Power control switch																		
IC300	Eelectrical Volume & Source Selector	Controls the source, volume, and tone																		
IC301,302	Audio buffer AMP	Low pass filter for DSP input																		
IC303	DSP	Digital signal processer																		
IC304	Buffer IC	It changes into 3.3V from 5.0V																		
IC305	DAC	Digital to Analog converter																		
IC306~308	Audio buffer AMP	Low pass filter for DAC output																		
IC400	RDS decoder																			
IC450	Panel mecha motor driver	<p>Panel mecha control</p> <table border="1"> <thead> <tr> <th colspan="2">IN</th> <th>Panel</th> </tr> <tr> <th>IN1</th> <th>IN2</th> <th>mechanism</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	IN1	IN2	mechanism	L	L	WAIT	L	H	OPEN	H	L	CLOSE	H	H	STOP
IN		Panel																		
IN1	IN2	mechanism																		
L	L	WAIT																		
L	H	OPEN																		
H	L	CLOSE																		
H	H	STOP																		

## COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC451	G-Analyzer	Analog gravity sensor
IC500	Spectrum analyzer Buffer AMP & AGC	It is buffer and auto gain control for spectrum analyzer
IC600	±9V AVR	Power supply for 5V Pre Out OP-AMP
IC601~603	5V Pre-out AMP	Output buffer and gain control
IC750	Power IC	Amplifies the front L/R and the rear L/R to 50W maximum
IC800	Audio3.3V Ref Supply SVR6.8V Ref Supply	Audio3.3V Ref supply to electrical volume and all low pass filters SVR6.8V Ref supply to power IC
IC901	Switching Regulator	Mecha digital (DXM-680x : 4V)
IC902	Switching Regulator Controller	Power Supply for OEL & PANEL ROM CH1 : ROM (3.3V), CH2 : OEL (7.1V)
Q10,11	Audio8V AVR	When Q11's 2pin goes Hi, A8V AVR outputs 8.0V
Q12	SW14V	When Q12's 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's base goes Hi, SW5V outputs +5V
Q30,32	Moter+B AVR (Panel Mecha)	When Q9's base goes Hi, Moter+B AVR outputs 7.5V
Q31,33	Servo+B AVR	When Q33's base goes Hi, Servo+B AVR outputs 8.5V
Q40,42,45	Panel5V AVR	When Q42's 2pin goes Hi, Panel5V AVR outputs 5V
Q41,43,44	Illumination AVR	When Q43's 2pin goes Hi, Ill AVR outputs 10.5V
Q51,901~904	SW16V (Surge Protection)	When Q51's 2pin goes Hi, SW16V outputs 13V
Q91	Panel5V Discharge SW	When Q91's base goes Hi, Panel5V is discharged
Q100,101	Panel Detect SW	When Q100's base goes Lo, panel is detected
Q200,201	Pre-out mute driver	When a base gose Lo, mute driver is turned on
Q202	Acc Detect SW	When Q202's base gose Hi, Acc voltage is detected
Q203,204	Surge Detect SW	When Q204's base goes Hi, IC750 is changed into a standby state
Q205	B.U Detected SW	When Q35's base gose Hi, B.U voltage is detected
Q206	Ext Amp Control Buffer	It is buffer for IC102 output
Q207	Small-lamp Detect SW	When Q207's base goes Hi, Small-lamp is detected
Q208,209	Power Antenna SW	When Q206's base goes Hi, power antenna switch outputs 14V
Q300	DSP mute SW	When base goes Lo, DSP is set to mute
Q402,403	AM+B SW	When Q403's base gose Hi, AM+B is outputs
Q450	DSI Driver	DSI lights when the base is "L", DSI turns off when the base is "H" DSI turns on and off when panel is taken off
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's base goes Hi, AVR outputs 10.5V
Q608~613	Pre-out mute SW	When a base gose Hi, Pre-out is set to mute
Q800,802	REF+B AVR	When Q800'base goes Hi, AVR outputs 13V

## COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility											
Q801	SVR6.8V Ref Supply AGC Controller	When the voltage of B.U voltage falls, a return is hung and an output is reduced											
Q905	ROM (3.3V) AVR Switching Power Driver	This FET is governed by IC902. Frequency is decided at Q907											
Q906	OEL (7V) AVR Switching Power Driver	This FET is governed by IC902. Frequency is decided at Q907											
Q907	Switching Regulator frequency control SW (IC902)	<table border="1"> <tr> <td rowspan="2">1 pin</td> <td colspan="2">2 pin</td> </tr> <tr> <td>L</td> <td>H</td> </tr> <tr> <td>L</td> <td>430kHz</td> <td>610kHz</td> </tr> <tr> <td>H</td> <td>653kHz</td> <td>823kHz</td> </tr> </table>	1 pin	2 pin		L	H	L	430kHz	610kHz	H	653kHz	823kHz
1 pin	2 pin												
	L	H											
L	430kHz	610kHz											
H	653kHz	823kHz											

### ● CD PLAYER UNIT (X32-5730-00)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	μ-com for mechanism control	
IC2	LSI for CD signal processing +RF AMP	
IC4	BTL driver	SP, SL (including LO/EJ) motor and PU actuator
IC5	SW3.3V regulator	3.3V power supply for IC2, PU, and IC18 digital section
IC13	Audio active filter	Secondary LPF
IC14	A5V regulator	5V power supply for DAC
IC15	Compacted audio decoding DSP	AC drive decoder, MP3/WMA/AAC decoder
IC16	Compacted audio expanding SDRAM	
IC17	Decoder software, unique ID storage flash ROM	
IC18	Audio external 24-bit D-A converter	
IC19	BU3.3V regulator	3.3V power supply for μ-com
IC20	1.8V regulator	1.8V power supply for core section of IC15
IC21	Decoder/SDRAM/Flash ROM 3.3V regulator	3.3V power supply for port section of IC15, IC16 and IC17
Q1,4	Level shift (3.3V-5V) FET	
Q3,5,6	Level shift (3.3V-5V) transistor with 2 elements	
Q7	Level shift (3.3V-5V) transistor	
Q8	APC (Auto Power Control) transistor	
Q9,10	Transistor for preceding beam delaying SW during non-search	
Q11	A5V power supply constant circuit FET	
Q12,13	SW8V SW transistor	
Q14,15	SDRAM 3.3V power supply SW transistor	SDRAM power supply is turned off when /CSRST is "L"
D2	UPD63712GC built-in resetting terminal static protection diode	
D3	Protection diode for pick-up laser diode	
D4,D5	Diode for securing audio L-R reference voltage	
D6	Diode for control terminal's "L" confirmation for IC20 and IC21	

# MICROCOMPUTER'S TERMINAL DESCRIPTION

● System Microcomputer : 30625MHPA46GP (X34 : IC102)

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
1	VREF	I	Analog reference voltage	
2	AVCC	-		
3	LX_DATA_S	I	Data from slave unit	LX specification
4	LX_DATA_M	O	Data to slave unit	LX specification
5	LX_CLK	I/O	LX BUS clock	LX specification
6	WIRED_REMO	I	External display remote controller input	
7	LX_MUTE	I	Mute request from slave unit	H : Mute ON, L : Mute OFF
8	AUD_SDA	O	E-VOL data output terminal	SPI communication
9	AUD_SEL	O	E-VOL control terminal	SPI communication
10	AUD_SCL	O	E-VOL clock output terminal	SPI communication
11	DAC_RST	O	DAC reset terminal	L : DAC RESET
12	NC	O		Output L-fixed
13	BYTE	-		
14	CNVSS	-		
15	XCIN	I		32768kHz
16	XCOU	I		32768kHz
17	RESET	I		
18	XOUT	-		12MHz
19	VSS	-		
20	XIN	-		12MHz
21	VCC1	-		
22	NMI	I	Not used	
23	PANEL_DET	I	Panel detection	H : Without PANEL, L : With PANEL
24	RDS_CLK	I	RDS decoder CLK input terminal	
25	LX_REQ_S	I	Communication request from slave unit	
26	PON_AM	I/O	AM power supply control	AM in operation : H, AM not in operation : Hi-Z
27	LX_REQ_M	O	Communication request to slave unit	
28	TUN_IFC_OUT	I	F/E IFC OUT input terminal	H : With station, L : Without station
29	RDS_AFS_L	I/O	Constant switching at noise detection	
30	RDS_AFS_M	I/O	Constant switching at noise detection	
31	RDS_QUAL	I	RDS decoder QUAL input terminal	
32	RDS_DATA	I	RDS decoder DATA input terminal	
33	PWIC_BEEP	O	Beep output	
34	TUN_SCL	I/O	F/E I2C clock input/output terminal	I2C specification
35	TUN_SDA	I/O	F/E I2C data input/output terminal	I2C specification
36	SYS_DATA	O	Between-panel communication data output terminal	Data output (MAX 500kbps)
37	VCC1	-		
38	PAN_DATA	I	Between-panel communication data input terminal	Data input (MAX 500kbps)
39	VSS	-		
40	SYS_REQ	O	Communication request terminal from system $\mu$ -com	

## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
41	PAN_REQ	I	Communication request terminal from panel	
42	SDA	I/O	CD mechanism I2C data input/output terminal	
43	SCL	I/O	CD mechanism I2C clock output terminal	
44	PON_PANEL	I/O	Panel 5V control terminal	ON : H, At the time of momentary power down and panel off, After 11 minutes of ACC_OFF : Hi-Z
45	DSI	I/O	(D) SI control terminal	Soft DSI control specification
46~49	NC	O	Not used	Output L-fixed
50	PM_MOT1	O	Panel motor control 1	
51	PM_MOT2	O	Panel motor control 2	
52	EPM	I	FLASH EPM input terminal	
53	PM_OPEN	I	Panel full open detection	
54~56	NC	O	Not used	Output L-fixed
57	DIS_PAN5V	I/O	PAN5V discharge circuit	H : Discharge (Panel reset compensation ), Hi-Z : Normal
58	PM_CLOSE	I	Panel mechanism close detection	
59	ROMCOR_DET	I	E2PROM write request	H : Write
60	PM_DET	I	Panel mechanism detection	H : In function check
61	SC_CON	O	Between-panel communication (CE at FLASH)	POWER OFF, ACC OFF : L
62	NC	O	Not used	Output L-fixed
63	TUN_TYPE1	I	Destination setting 1	
64	TUN_TYPE2	I	Destination setting 2	
65,66	NC	O	Not used	Output L-fixed
67	CD_DISC12_SW	I	CD disk detection terminal (12cm)	
68	CD_LOS_SW	I	CD loading detection terminal	
69	CD_MUTE_R	I	CD MUTE (Rch) request terminal	L : Rch mute request
70	CD_MUTE_L	I	CD MUTE (Lch) request terminal	L : Lch mute request
71	CD_MRST	O	CD mechanism $\mu$ -com RST terminal	H : Normal, L : Reset
72	CD_MSTOP	O	CD mechanism $\mu$ -com STOP terminal	H : Mechanism $\mu$ -com in operation, L : Mechanism $\mu$ -com stop
73	CD_DISC8_SW	I	CD disk detection terminal (8cm) (J only)	
74	CD_LOE_LIM_SW	I	CD detection terminal (Chucking SW)	H : Loading complete, L : No disk
75	CD_LOEJ	I/O	CD motor control terminal	
76	CD_MOTOR	O	CD motor control terminal	
77	PON_ILLUMI	I/O	Key illumination power supply control	ON : H, OFF : Hi-Z
78	PON_CD	I/O	CD WMA power supply control terminal	CD is used as source : H, Source other than CD is used : Hi-Z
79	PON	O	Power supply control	POWER ON : H, POWER OFF : L
80	PON_OEL+B	O	Power supply control terminal for OEL	POWER ON : H, POWER OFF : L
81	NC	O	Not used	Output L-fixed
82,83	F_SEL1, F_SEL2	O	SW-Reg frequency switching	
84	DIAG	I/O	PCON excess current monitoring	
85	VCC2	-		
86	EXT_AMP_CON	I/O	PCON excess current monitoring	External amplifier control specification
87	VSS	-		
88~90	TYPE_1~TYPE_3	I	Destination switching	
91,92	NC	O	Not used	Output L-fixed



## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
93	OEM_DISP_DATA	I/O	External display DATA	External display
94	OEM_DISP_CLK	I/O	External display CLK	External display
95	OEM_DISP_CE	I/O	External display control request	External display
96	NC	O	Not used	Output L-fixed
97	P_CON	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	O	Power antenna control	TUNER ON : H
100	ILLUMI_DET	I	Dimmer illumination detection	L : ON, H : OFF
101	BU_DET	I	Momentary power down detection	BU exists : L, BU does not exist or momentary power down : H
102	ACC_DET	I	ACC power supply detection	With ACC : L, No ACC : H
103	(PWIC_SVR)	O	(SVR discharge circuit)	(POWER OFF 5 sec. at momentary power down : H, Thereafter : L)
104	PWIC_MUTE	O	Power IC MUTE terminal	During ALL OFF or momentary power down : L, During TEL MUTE : L
105	PWIC_STBY	O	Power IC standby control	POWER ON : H, POWER OFF : L
106	LX_CON	O	Startup request to slave unit	H : Slave unit ON, L : Slave unit OFF, LX specification
107	MUTE_PRE_R	O	PRE_OUT MUTE Rch	When M MUTE R is L : L (When CD is used) During momentary power down : L H-fixed on my when in 2 zones and NAVI interruption
108	MUTE_PRE_L	O	PRE_OUT MUTE Lch	When M MUTE L is L : L (When CD is used) During momentary power down : L H-fixed on my when in 2 zones and NAVI interruption
109	MUTE_0	O	E-VOL FRONT MUTE terminal	ON : L, OFF : H
110	MUTE_1	O	E-VOL REAR MUTE terminal	ON : L, OFF : H
111	MUTE_2	O	E-VOL OTHER MUTE terminal	ON : L, OFF : H
112	MUTE_A	O	E-VOL Main MUTE terminal	ON : L, OFF : H
113	DSP MUTE	I/O	DSP MUTE terminal	ON : L, OFF : Hi-Z
114	MUTE_C	O	E-VOL Aux MUTE terminal	ON : L, OFF : H
115	DSP_INIT_RST	O	DSP initial reset terminal	L : Reset, H : Reset released
116	DSP_S_RST	O	DSP system reset terminal	L : Reset, H : Reset released
117	DSP_RQ	O	DSP request terminal	L : Request
118	DSP_CS	O	DSP chip select terminal	L : DSP select
119	NC	O	Not used	Output L-fixed
120	LINE_MUTE	I	Line mute detection	TEL MUTE : 1V or less, NAVI MUTE : 2.5V or more
121	NC	O	Not used	Output L-fixed
122	PWIC_DC_DET	I	DC offset detection terminal	
123	LX_RST	O	Hard reset to the slave unit	H : Reset, L : Normal
124	G_Y_OUT	I		
125	G_X_OUT	I		
126	RDS_NOISE	I	FM noise detection terminal	FST F/E control specification
127	AVSS	-		
128	TUN_SMETER	I	S-meter input	Seekstop voltage is F/E specification

## MICROCOMPUTER'S TERMINAL DESCRIPTION

### ● Panel Microcomputer : 703134GJ012-A (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	OEL_RST	I/O	OEL controller RESET output	H : RESET release, Hi-Z : RESET
19	NC	O	Not used.	Output L-fixed
20	SYS_REQ	I	System $\mu$ -com communication request input	H : Data communication in progress
21	SC_CON	I	System $\mu$ -com communication Panel operation control	H : Panel operation
22	FROM_RST	I/O	FLASH ROM RESET	H : RESET release, Hi-Z : RESET
23	2.5VDD	-	2.5V	
24	VSS	-		
25	OEL_INT	I	OEL controller interruption input	L : Interruption (Level/Edge set by register)
26,27	KS1, KS2	I/O	Key scan output	Output : L, Hi-Z : Switching
28	TDO	O	Used when debugging	NC during normal operation
29	TDI	O	Used when debugging	NC during 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 during debugging
33	ROTARY_CCW	I	Rotary A input	1 pulse/2 clicks, 15 pulses/360°
34	ROTARY_CW	I	Rotary B input	1 pulse/2 clicks, 15 pulses/360°
35	TMS	O	Used when debugging	NC during normal operation
36	TCM	O	Used when debugging	NC during normal operation
37	3.3VDD	-	3.3V	
38	EVSS	-		
39	KS5	I/O	Key scan output	Output : L, Hi-Z : Switching
40~42	KR1~KR3	I	Key return input	
43	FROM_BUSY	I	FLASH ROM BUSY input	L : BUSY
44	PAN_REQ	O	Panel communication request output	H : Data communication in progress
45	SYS_DATA	I	Receiving data from system $\mu$ -com	UART communication
46	PAN_DATA	O	Data transmission from panel	UART communication
47	NC	O	Not used	Output L-fixed
48	KR4_INT	I	Key return input	Interruption possible
49~55	NC	O	Not used	Output L-fixed
56	3.3VDD	-	3.3V	
57	X2	I	Clock input	8MHz, Internally 80MHz
58	X1	I	Clock input	8MHz, Internally 80MHz
59	CVSS	-		
60	CKSEL	I	Clock generator operation mode input	GND direct connection
61	PSEL	I	Input frequency selection signal input in PLL mode	VDD connection when main clock is 5.5MHz or higher GND connection in all other cases
62	2.5VDD	-	2.5V	
63	VSS	-		

## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
64	MODE0	I	μ-com operation mode input	GND direct connection
65	MODE1	I	μ-com operation mode input Used when debugging	H : When writing
66	PAN_RST	I	Input from reset IC	From PON_PANON, release in ***msec. From PON_PANOFF, reset after 60μsec.
67	AVDD1	I	D/A conversion reference voltage	Connected with SW3.3V. 0V when POWER OFF
68,69	NC	I	Dedicated input terminal	Pull down
70	AVSS1	-	D/A conversion reference GND	GND direction connection
71	AVSS0	-	D/A conversion reference GND	GND direction connection
72	AVDD0	I	A/D conversion reference voltage	Connected with SW3.3V. 0V when POWER OFF
73	WAVE_IN	I	Voice input	AD read
74	F01	I	BPF (63Hz)	AD read
75	F02	I	BPF (150Hz)	AD read
76	F03	I	BPF (330Hz)	AD read
77	F04	I	BPF (1kHz)	AD read
78	F05	I	BPF (3.3kHz)	AD read
79	F06	I	BPF (10kHz)	AD read
80	PAN3.3DET	I	Dedicated input terminal	Pull down
81	2.5VDD	-	2.5V	
82	VSS	-		
83	NC	O	Not used	Output L-fixed
84	NC (TYPE)	I		
85	PON_E2P	I/O	ROM correction	H only when used for ROM correction as measure for BU current, L : ON, Hi-Z : OFF
86	REMO	I	Remote controller signal input	Detection with pulse width
87	PON_OEL	I/O	OEL AVDD power supply switch	H : ON, Hi-Z : OFF
88	PON_3.3V	I/O	FROM, RAM, OEL3.3V switch	H : ON, Hi-Z : OFF
89	PON_5V	I/O	5V power supply switch	Remote controller IC, spectrum analyzer IC power supply H : ON, Hi-Z : OFF
90	BUS_CLK	O	OEL controller clock	
91	OEL_WAIT	I	OEL controller wait	
92	SRAMCHK	O	For SRAM production technology application check	OK : H, NG : L
93	NC	O	Not used	Output L-fixed
94	WE	O	Data input request to memory (write)	L : Write to memory, Hi-Z : Wait
95	OE	O	Data output request to memory (read)	L : Read from memory, Hi-Z : Wait
96	UBE	O	Upper byte request	
97	LBE	O	Lower byte request	
98	3.3VDD	-	3.3V	
99	VSS	-		
100	FROMCHK	O	For F-ROM production technology application check	OK : H, NG : L
101	CE_FROM	O	FLASH-ROM operation permission	L : FLASH-ROM access, Hi-Z : Wait

## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
102	NC	O	Not used	Output is L at all time
103	CE_SRAM	O	SRAM operation permission	L : SRAM access, Hi-Z : Wait
104	PON_TRI_RED	I/O	Triangle red lighting switch	H : Light ON, Hi-Z : Light OFF
105	ROMCOR_SCL	I/O	For ROM correction	Input except when reading (including STB)
106	ROMCOR_SDA	I/O	For ROM correction	Input except when reading (including STB)
107	PON_BLUE_L	I/O	Blue sub-illumination lighting switch, left	H : Light ON, Hi-Z : Light OFF
108	PON_BLUE_R	I/O	Blue sub-illumination lighting switch, right	H : Light ON, Hi-Z : Light OFF
109	PON_GREEN	I/O	Green key illumination lighting switch	H : Light ON, Hi-Z : Light OFF
110	PON_RED	I/O	Red key illumination lighting switch	H : Light ON, Hi-Z : Light OFF
111	SA_RST	O	Resetting spectrum analyzer IC	H : Reset, L : Normal
112	3.3VDD	-	3.3V	
113	EVSS	-		
114~123	A25~A16	O	Address output	
124	2.5VDD	-	2.5V	
125	VSS	-		
126~133	A15~A8	O	Address output	
134	3.3VDD	-	3.3V	
135	EVSS	-		
136~142	A7~A1	O	Address output	
143	NC	O	Not used	Output L-fixed
144	D15	I/O	Data input/output	

### ● Mechanism Microcomputer : 91CU27UG5UR8 (X32 : IC1)

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

## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
20	DVSS	-	GND	
21	X1	I	Oscillator connection 26.88MHz	
22	AM1	-	H-fixed	
23	RESET	I	Reset detection	L : RESET, H : NORMAL
24,25	NC	O	Not used	Open, Output L-fixed
26	NMI	I	Non-maskable interruption, Not used	
27	ALE	O	Not used	Open, Output prohibited (Hi-Z)
28	DSPSTB	O	(DSP) Data strobe signal output	
29	DSPA0	O	(DSP) Command parameter identification signal output	H : Transmitting parameter, L : Transmitting command
30	DSPRST	O	(DSP) Reset control	
31, 32	NC	O	Not used	Open, Output L-fixed
33	SEARCH	O	Search condition output	H : In search, L : Normal (x2 : L-fixed)
34	LOE/LIM_SW	I	PU LIM detection SW	H : LIM
35~39	NC	O	Not used	Open, Output L-fixed
40	POND3.3	O	D3.3V POWER ON control terminal	H : POWER ON
41	NC	O	Not used	Open, Output L-fixed
42	PONCS	O	CS7410-series power supply control terminal	H : POWER ON
43~47	NC	O	Not used	Open, Output L-fixed
48	DATA_MUTE	O	Data output status	L : DATA output MUTE
49	NC	O	Not used	Open, Output L-fixed
50	NC (BOOT)	O	Mask : Not used (output H) / Flash (write terminal)	(Flash) L : WRITE, H : NORMAL
51~53	NC	O	Not used	Open, Output L-fixed
54	MUTE L	O	Lch audio MUTE control	L : MUTE ON
55	MUTE R	O	Rch audio MUTE control	L : MUTE ON
56	NC	O	Not used	Open, Output L-fixed
57	SDA	I/O	(System $\mu$ -com) I2C data	
58	SCL	I/O	(System $\mu$ -com) I2C clock	
59	MSTOP	I	Standby restart interruption	L : STOP, H : STOP release
60~62	AN0~AN2	I	TEST0~TEST2	PULL DOWN
63	UNQID	I	Unique ID write permission	L : Normal, H : During service write
64	AVCC	-	ADC power supply terminal	BU3.3V

## TEST MODE

### ● How to enter the test mode

Reset while pressing the [NEXT] key and [AUD] key simultaneously.

### ● 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).
- CRSC is OFF, regardless of whether there are switching functions or not.
- SYSTEM Q is NATURAL (=FLAT).
- BEEP will sound anytime with a short push.
- Auxiliary (AUX) is ON.
- GUIDE (NAVI) of the MENU is ATT.
- The DISPLAY TYPE is TYPE D-1. (All destinations)
- The multi-functions will be source-dependent. (TUNER →Preset, CD/MD/CD-CH→Scan, . . . , etc.)
- The display of TUNER source will be as follows:  
Line 1=Source name, Line2=Frequency, Line3=SNPS/PS, Line4= Spectrum analyzer
- The display of CD/MD sources will be as follows:  
Line 1=Source name, Line2=P-Time, Line3=DNPS, Line4= Spectrum analyzer (XXV-01D)

### ● RDS automatic measurement

Conventionally, the PS display has been visually checked on the production line. This will be replaced by a new processing. The PS data will be received and the PS contents is to be verified as "RDS\_TEST". When this is verified, the P-CON terminal is forced to go OFF. (In this case, "\_" means blank.)

→This will be a dedicated test mode processing.

On the P-CON, when power is turned off once and, then, turned on again (Power OFF→ON), the unit will be restarted.

### ● Special display when set to TUNER

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

- "TNE2P\_NG" : The E2PROM is still with the default (unspecified) value, due to the fact that the front-end being shipped without going through the adjustment process.
- "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 WIDE : FMW
- Forced MIDDLE : FMM
- Forced NARROW : FMN

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

- When [◀◀] key is pressed, it goes down by one track.
- When a CD is used as a source, by short-pressing [1] key, a jump to the Track No. 28 is made.
- When a CD is used as a source, by short-pressing [2] key, a jump to the Track No. 14 is made.
- When a CD is used as a source, by short-pressing [3] key, a display of CD mechanism model name and its version is made. When the short-pressing of [3] key is made for the second time, the normal display is resumed. (Time code display)
- When a CD is used as a source, by short-pressing [6] key, a jump to the Track No. 15 is made. The volume value will then set to 27 (5V PRE).

### ● Audio adjust mode

- By short-pressing [AUD] key, the Audio Adjust mode is entered.
- As with the [AUD] key or [\*] key on the remote controller can be used to enter the Audio Adjust mode.
- As for the adjustment items, items for both the AUDIO FUNCTION MODE and SETUP MODE are included.
- The initial item will be Fader and the next is Balance. (After Balance, it will be arbitrary.)
- With the remote controller, continuous forwarding is prohibited.
- Using the VOL knob, the Fader is to be adjusted to the following three levels: R15↔0↔F15. (The default value: 0)
- Using the VOL knob, the Balance is to be adjusted to the following three levels: L15↔0↔R15. (The default value: 0)

# TEST MODE

- Using the VOL knob, the Sub Woofer Level is to be adjusted to the following three levels: -15↔0↔+15 . (The default value: 0)
- Using the VOL knob, the Volume Offset is to be adjusted to the following two levels: -8↔0. (The default value: 0)

## ● MENU items

- Long-push the [NEXT] key to enter the MENU.
- The [DNPP/SBF] key or [DIRECT] key on the remote controller can also be used to enter the MENU.
- With the remote controller, continuous forwarding is prohibited.
- When a CD is used as a source, the default item will be the F/W Version. (DXM-6800 mechanism installed models.)

## ● 2-ZONE items

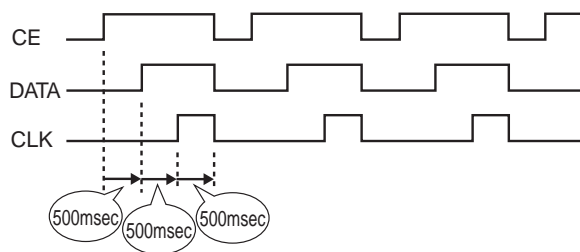
- When using sources other than the STANDBY source, using a short-press on [AUTO] / [TI] key, 2-ZONE ON/OFF is achieved.

## ● 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

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) C-407WK_SY S_1.23 (Display) _____ PAN_1.11 (Display) _____ MEM_3.21
[2] key	Serial number display (8 digits) (Display) SNo_XXXXXXXX
[3] key	Short-press: Power ON time display During Power ON time display, by long-pressing [AUD] key for 2 seconds, the Power ON time will be cleared. (Display) PonTim_XXXXX      MAX 65535 (hours)
[4] key	Short-press: CD operation time display. During CD operation times display, by long-pressing [AUD] key for 2 seconds, all CD operation time will be cleared. (Display) CDTim_0XXXXX      MAX 65535 (hours)
[5] key	Short-press: CD EJECT number of times display During CD EJECT number of times display, by long-pressing [AUD] key for 2 seconds, CD EJECT number of times is cleared. (Display) EjeCnt_XXXXX      MAX 65535 (times)
[6] key	Short-press: PANEL open/close number of times display (*1) During PANEL open/close number of times display, by long-pressing [AUD] key for 2 seconds, PANEL open/close number of times is cleared. (Display) PnCnt_XXXXX      MAX 65535 (times)
[7] key	All-light display switching White all-light display (or version display, etc.)→Red all-light→Green all-light→Blue all-light→White all-light→
[FM] key	ROM correction version display (Display) SYS_ROM_R123 (Display) PAN_ROM_R123 When E2PROM is not installed: ROM_ERR_ When un-written: ROM_R --- When data is incompatible: ROM_R ***
[▶▶] key	AUDIO data default value setting (Display) AUDIO_INIT
[◀◀] key	Short-press: CD mechanism error log display During CD mechanism error log display; by long-pressing for 2 seconds, all error log information is cleared. (Display) I2C_●● (Display) ERR_1-▲▲, 2-▲▲, 3-▲▲ In “●●”, “OK” or “NG” is displayed. In “▲▲”, “- -” or an error code is displayed.

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

## TEST MODE

### ● Initializing AUDIO-related value setting

During STANDBY sourcing, by short-pressing [▶▶] key, AUDIO setting values are returned to the default values.

### ● Flash ROM/Static RAM check

1. When entering the test mode, the manufacture code of the Flash ROM (16M) is read and when it is normal, FROMCHK terminal of the 100pin repeats Hi→Low→Hi . . . . If the reading is abnormal, "Low" is output.

If the manufacture code is normal, by short-pressing [▶▶] key, the connection checks on all terminal is started. If the connections are normal, the FROMCHK terminal stops the Hi→Low→Hi . . . repeating and outputs "Hi." If the reading is abnormal, "Low" is output.

2. With all lights turned on and by long-pressing [AM] key, the data on the Flash ROM (16M) is initialized. While erasing the data, "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 (16M).

In this case, long-pressing [AM] key again. If it is the same, then there is an abnormality with the Flash ROM.

3. Regardless of the state of the test mode, when the power is turned on, the manufacture code on the Static RAM is read and, when, normal, Hi is output by the SRAMCHK terminal. When abnormal, Low is output.

### ● Other

- At Power ON "CODE\_OFF", "CODE\_ON" displays will not be made.
- When sourcing STANDBY, by short-pressing [AUTO] / [TI] key, GREEN/RED of the key illumination is switched.
- 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, security jig should not be used to write the security code.
- While in the test mode, serial writing jig should not be used to write the serial number.
- While in the test mode, even when a DC 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 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 terminal 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 short-push. (Protection time: 3 seconds)

As far as this item is concerned, eject will be achieved by 1 second long-push on the [EJECT] key.

### ● Clearing backup memory and installer memory data (Clearing E2PROM data)

1. By pressing [NEXT] key and [ATT] key simultaneously, reset and start the unit. This will start the initialization processes for backup and installer memory data and the error log information of the CD mechanism.

2. When initialization is complete, the following display will be made.

Normal completion

```
CD_E2P___ : ○  
AUDIO_E2P : ○
```

Abnormal ending 1

backup/installer memory initialization: NG

```
CD_E2P___ : ○  
AUDIO_E2P : ×
```

Abnormal ending 2

CD mechanism error log initialization: NG

```
CD_E2P___ : ×  
AUDIO_E2P : ○
```

Abnormal ending 3

All initialization: NG

```
CD_E2P___ : ×  
AUDIO_E2P : ×
```

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.)



# TEST MODE

## ● Clearing DC error detection information (E2PROM data clear)

1. By resetting, while pressing both [ATT] key and [AUD] key simultaneously, enter the DC error display mode.
2. During STANDBY sourcing, the current DC error conditions will be displayed.  
When error detected : "DC\_ERR"  
When error not detected : "DC\_OK"
3. While the error conditions are being displayed, short-press [AUTO] or [TI] key to clear the detection information. (E2PROM clear)
4. DC Error Display mode is released by resetting. (What was on the last screen will not be retained.)

## ● Frequency span switching (K / M type)

During Power OFF, while pressing both [ATT] key and [TI/AUTO] key simultaneously, turn the power on while pressing [SRC] key.

## ● Security

### ❖ Forced Power ON mode (All models)

Even in the cases where security is authorized, by resetting while pressing [NEXT] key and [TI/AUTO] key simultaneously, it is possible to turn the power ON for 30 minutes only. After the elapse of 30 minutes, it is possible to start with resetting only.

### ❖ How to register the security code after replacement of the E2PROM (F/E) (Code security models)

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, long-press [▶▶] key for one second and enter the security registration mode.
3. Using [FM] / [AM] / [◀◀] / [▶▶] keys, enter the code.  
[FM] key : Number up      [AM] key : Number down  
[▶▶] key : Cursor Right    [◀◀] key : Cursor Left
4. Press [▶▶] key for 3 seconds to display "RE-ENTER". Then, re-enter the code using the method in above 4.
5. Press [▶▶] key for 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.

### ❖ Method of clearing simple security code

1. When you are requested to enter the security code, while pressing down on [AUTO] key, use a long-press on [▶▶] key for 3 seconds. (---- disappears.)
2. Using the remote controller, input "KCAR".  
Press remote controller [5] key 2 times and then press [▶▶] key. (Input for "K".)  
Press remote controller [2] key 3 times and then press [▶▶] key. (Input for "C".)  
Press remote controller [2] key once and then press [▶▶] key. (Input for "A".)  
Press remote controller [7] key 2 times and then press [▶▶] key. (Input for "R".)
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.

### ● Special operation on the multi-function (multi-function operation that does not use the rotary encoder)

#### ❖ Obtaining Tuner preset by the unit operation

1. Enter the test mode. (Refer to the section on "How to enter the test mode".)
2. Set to the "Tuner source".
3. Press the [NEXT] key, to display the source-related multi-function key.
4. Use the [FM] key or [AM] key to move the cursor to the preset number desired.
5. By short-pressing the [AUD] key, and using the cursor, obtain the preset frequency.

#### ❖ DSP Bypass/Through switching

1. Enter the test mode. (Refer to the section on "How to enter the test mode".)
2. Set to the "Tuner source".
3. Press the [NEXT] key, to display the source-related multi-function key.
4. Use the [FM] key or [AM] key to move the cursor to the DSP items.
5. By short-pressing the [AUD] key, switch DSP Bypass/Through.

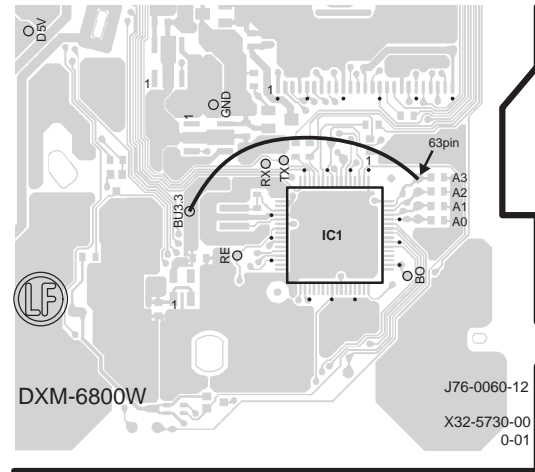
# HOW TO WRITE THE UNIQUE ID

## 1. Introduction

The Unique ID is an identification code allocated to each DXM-6800 mechanism unit. When written to the mechanism unit, the ID is stored in the Flash memory area, managed by the DSP.

During servicing of the unit, if and when the mechanism assembly is replaced, the Unique ID of the old unit should be written to the new mechanism assembly. At the same time, after moving the Unique ID, the ID seal must also be moved. The descriptions herein concern writing Unique ID, using the functions of the DXM-6800 mechanism. It is possible to easily re-write the Unique ID of the mechanism, using this function.

\* DXM-6800 : X92-5100-00



## 2. Unique ID

The Unique ID is an identification code allocated to each DXM-6800 mechanism unit. This ID is consisted of 8-digit hexadecimal numbers.

Example : 9F346D22, 352899AC, etc.

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

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

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

### 3-1. How to shift into the Unique ID writing mode using the unit

Procedure 1. Set the 63pin of the mechanism microcomputer (91CU27UG5UR8) to High.  
(Connect X32 : IC1 63pin and Back Up 3.3V with a lead.)

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

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

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

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

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

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



Figure1 Initial display of the Unique ID Write mode

Where,

① Unique ID

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

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

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

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

## HOW TO WRITE THE UNIQUE ID

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

### ② Unique ID digit number :

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

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

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

The display contents are;

T-99 : Unique ID writing in progress.

T-11 : Unique ID Writing complete (success)

T-22 : Unique ID Writing complete (failure)

### Procedure 5. Changing Unique ID write contents

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

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

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

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

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

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

### Procedure 7. 63pin of the mechanism microcomputer (91CU27UG5UR8) is set back to Low. (Connection lead is removed.)

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

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

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

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

## 3-2. How to change the Unique ID write content:

### Explanation on the Procedures 5-6

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

Then, actual change procedure is as follows :

The table below shows the keys to be used.

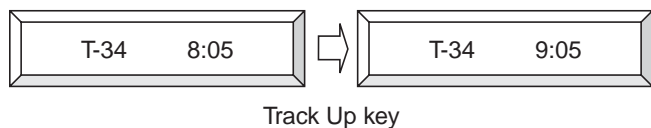
Track Up key	Push the CONTROL Key to left	Unique ID contents+1 of digit which is currently subject to change
Track Down key	Push the CONTROL Key to right	Unique ID contents -1 of digit which is currently subject to change
FF key	Push the CONTROL Key to left for more than 1 second	Digit subject to change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

Table1 Key to be used in Unique ID Writing mode

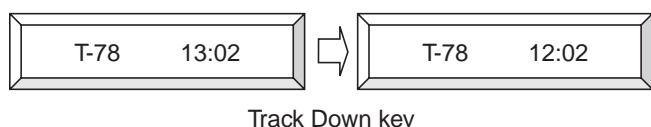
## HOW TO WRITE THE UNIQUE ID

### 3-3. Example of the case of ID to be written is "94850ED2"

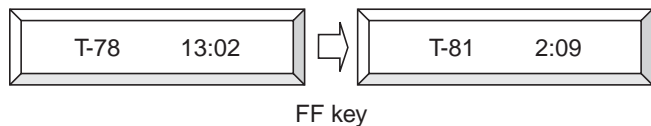
(Example1). Subject digit of the Unique ID to be changed +1  
The subject digit is 3, 3 digit Unique ID is 08 (hexadecimal : 8), the value +1 is 09 (hexadecimal : 9).



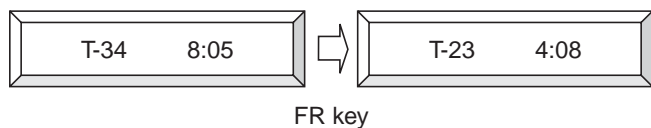
(Example2). Subject digit of the Unique ID to be changed -1  
The subject digit is 7, 7 digit Unique ID is 13 (hexadecimal : D), the value -1 is 12 (hexadecimal : C).



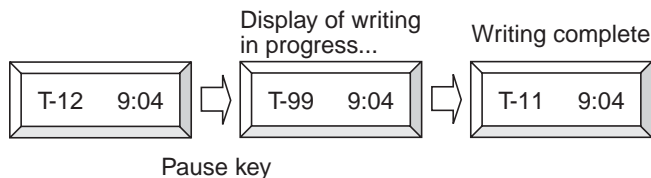
(Example3). Digit subject to change +1  
The current digit subject to change is 7, digit subject to change +1 is 8.



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



(Example5). Determination of Unique ID (Writing)



### 4. Note

- When in the Unique ID Write mode, the written Unique ID is not displayed. The terminal of the mechanism microcomputer must be put back to what it was before (63pin to Low). Then, reset the microcomputer and re-boot it for confirming the newly written Unique ID is correct.

How to view the Unique ID

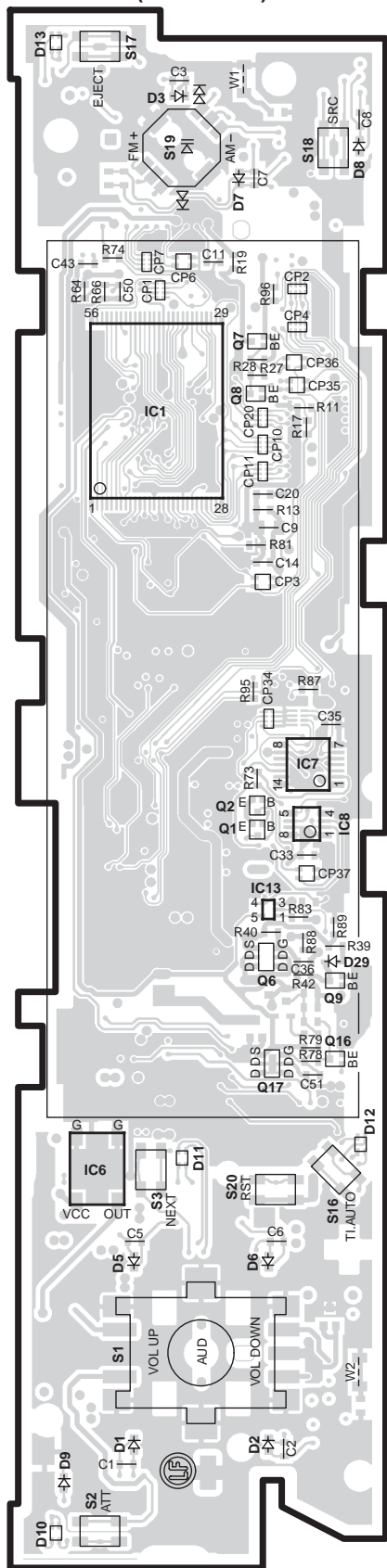
- ① Boot in normal mode (Not the Write mode)
- ② Insert a CD and set the CD as the source
- ③ When reading CD is complete and the media is determined, select "ACD ID" from the unit MENU.

- After writing the Unique ID on the current mechanism, transfer the ID number seal from the old mechanism.

- In order to start the special mode (Unique ID Write mode), the 63pin must be changed to High for mode change. When doing this, BU3.3V should be connected as the power supply. In the special mode, when reset, the setting must be changed to High. Unless this is done, the mode does not work. Therefore, the setting must be completed as indicated.

# PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT  
X16-3070-10 (J76-0095-12)

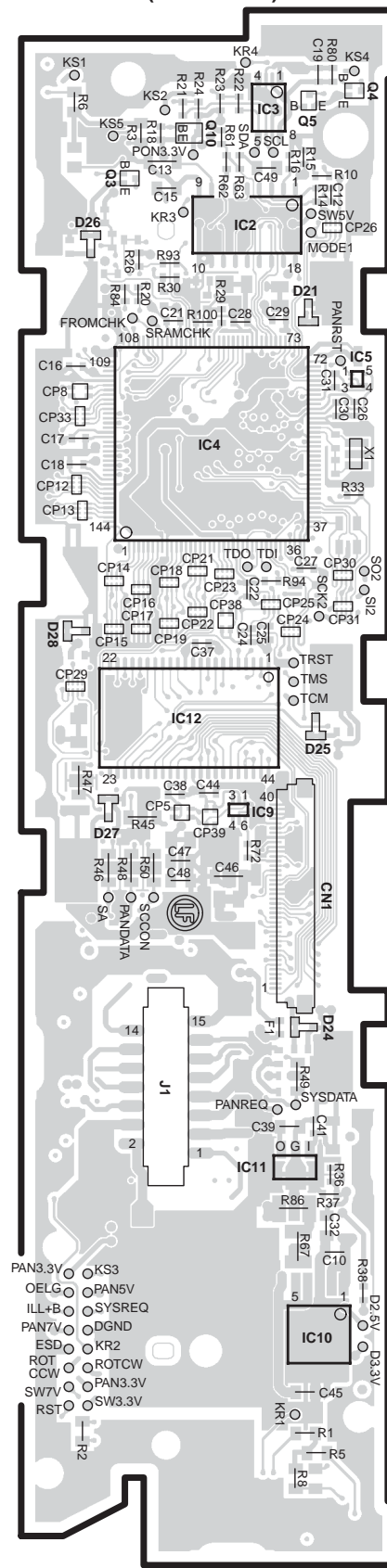


X16-3070-10

Ref. No.	Address
IC1	3A
IC6	6A
IC7	4B
IC8	4B
IC13	5A
Q1	4A
Q2	4A
Q6	5A
Q7	3A
Q8	3A
Q9	5B
Q16	5B
Q17	5A

# (FOIL SIDE VIEW)

SWITCH UNIT  
X16-3070-10 (J76-0095-12)



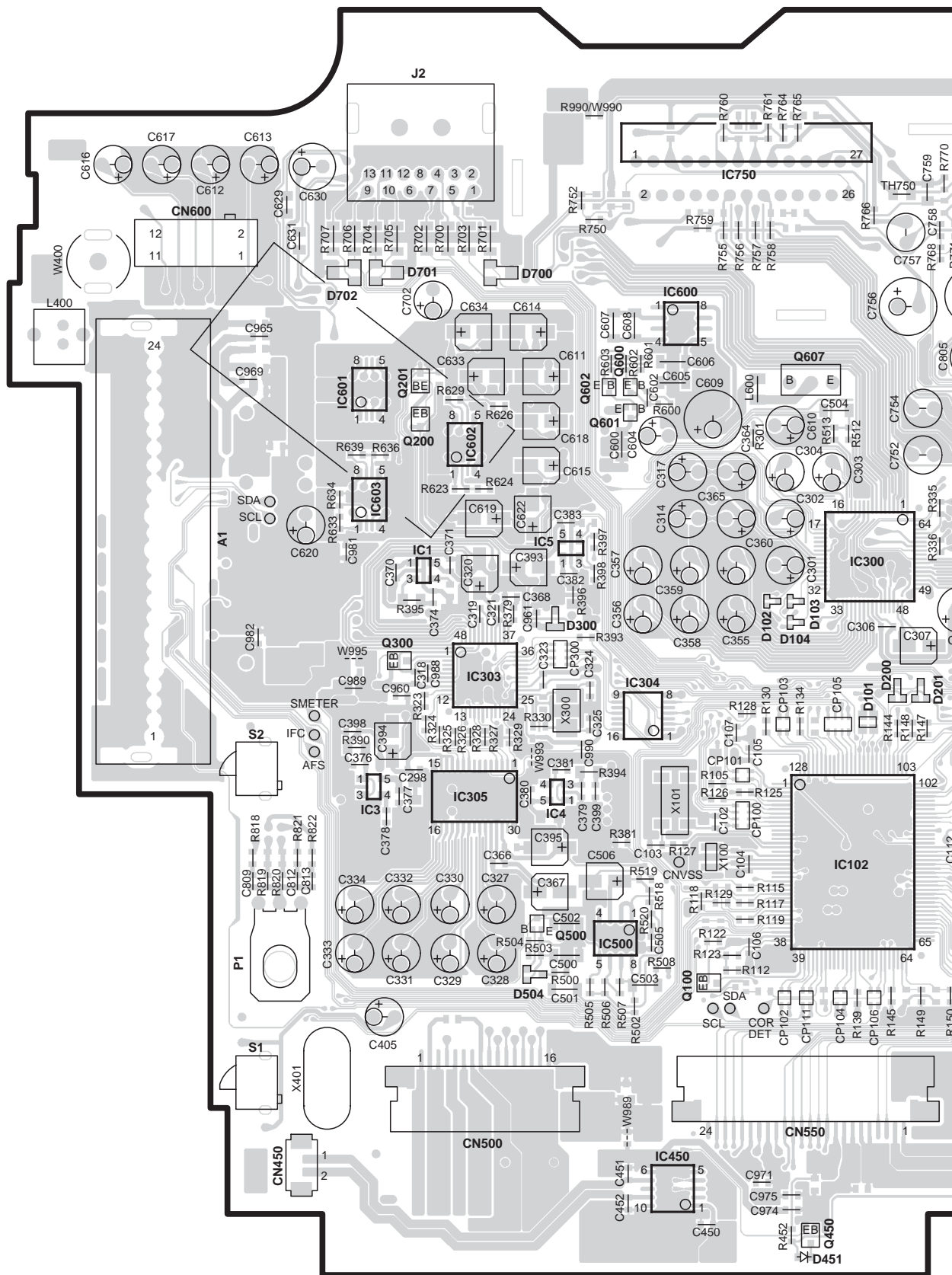
X16-3070-10

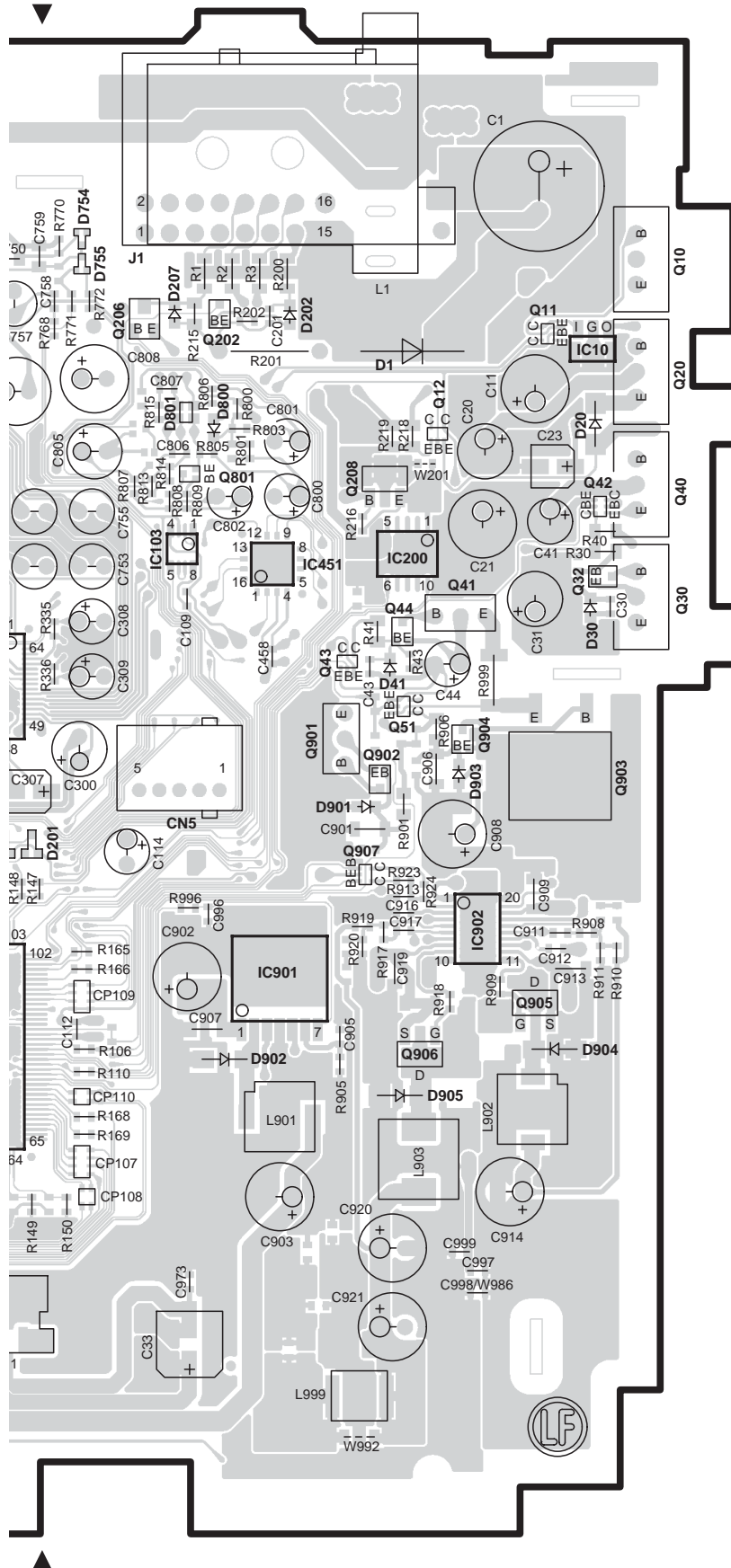
Ref. No.	Address
IC2	2D
IC4	3D
IC5	3D
IC9	4D
IC10	6D
IC11	6D
IC12	4D
Q3	2C
Q4	2D
Q5	2D
Q10	2D

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

# PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT X34-356x-xx (J76-0094-22)





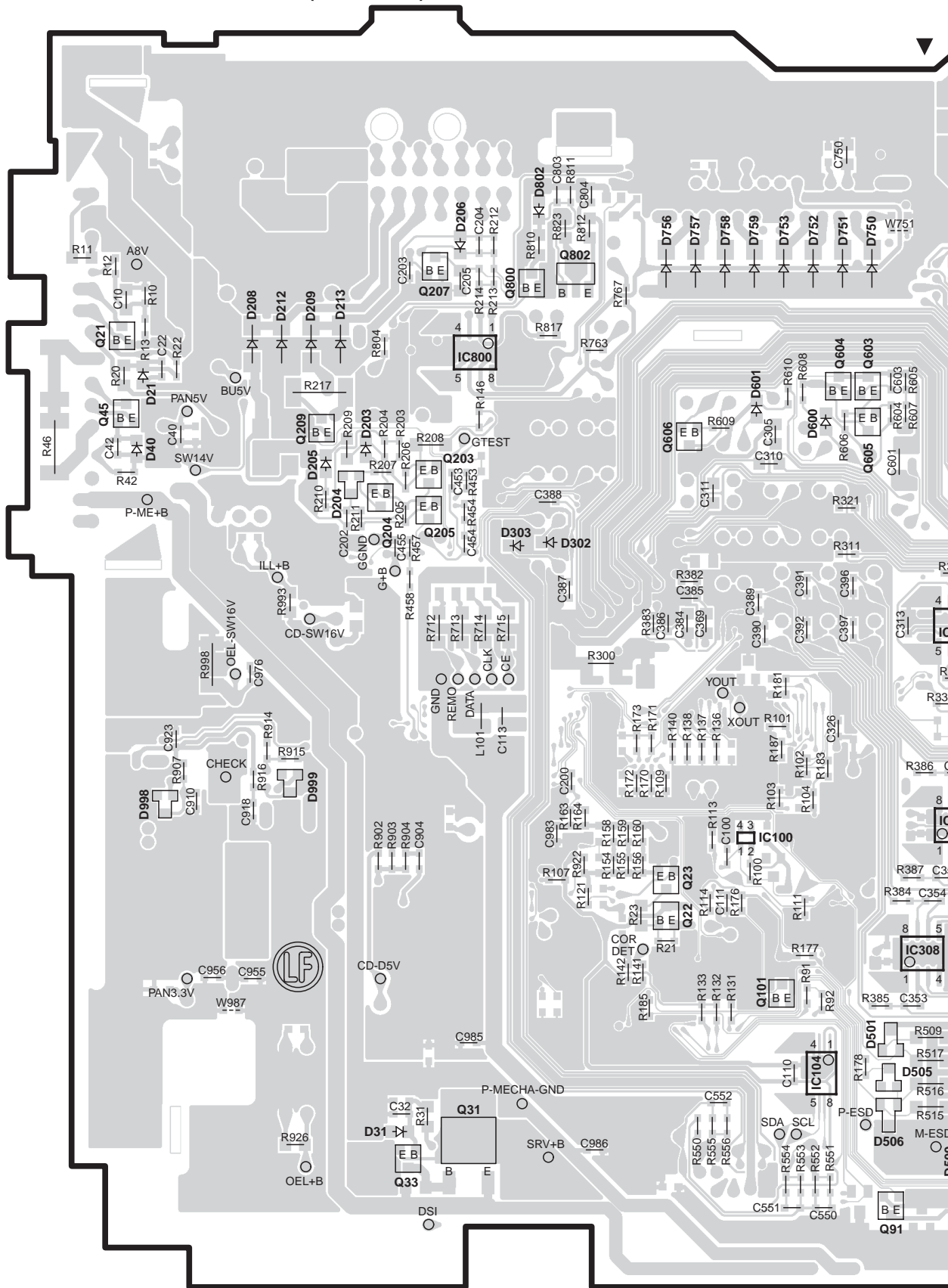
## X34-356x-xx

Ref. No.	Address	Ref. No.	Address
IC1	4H	Q40	3M
IC3	5H	Q41	4L
IC4	5I	Q42	3M
IC5	4I	Q43	4L
IC10	3M	Q44	4L
IC102	5J	Q51	4L
IC103	3K	Q100	6I
IC200	3L	Q200	3H
IC300	4J	Q201	3H
IC303	4H	Q202	3K
IC304	4I	Q206	3K
IC305	5H	Q208	3L
IC450	6I	Q300	4H
IC451	3L	Q450	7J
IC500	6I	Q500	6I
IC600	3I	Q600	3I
IC601	3H	Q601	3I
IC602	3H	Q602	3I
IC603	4H	Q607	3J
IC750	2J	Q801	3K
IC901	5L	Q901	4L
IC902	5L	Q902	4L
Q10	2M	Q903	4M
Q11	2M	Q904	4L
Q12	3L	Q905	5L
Q20	3M	Q906	5L
Q30	4M	Q907	4L
Q32	3M		

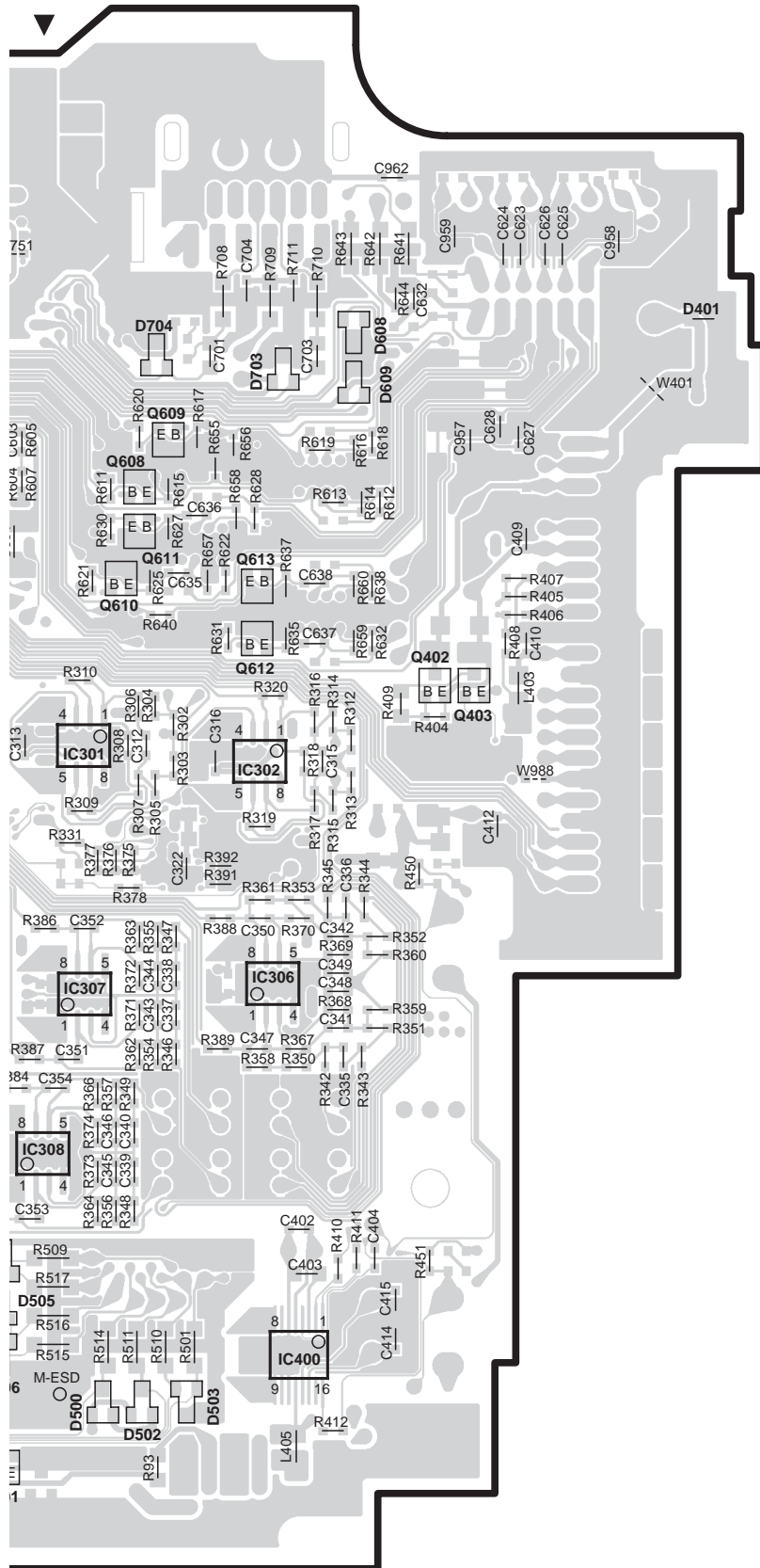
Refer to the schematic diagram for the values of resistors and capacitors.

# PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT X34-356x-xx (J76-0094-22)







## X34-356x-xx

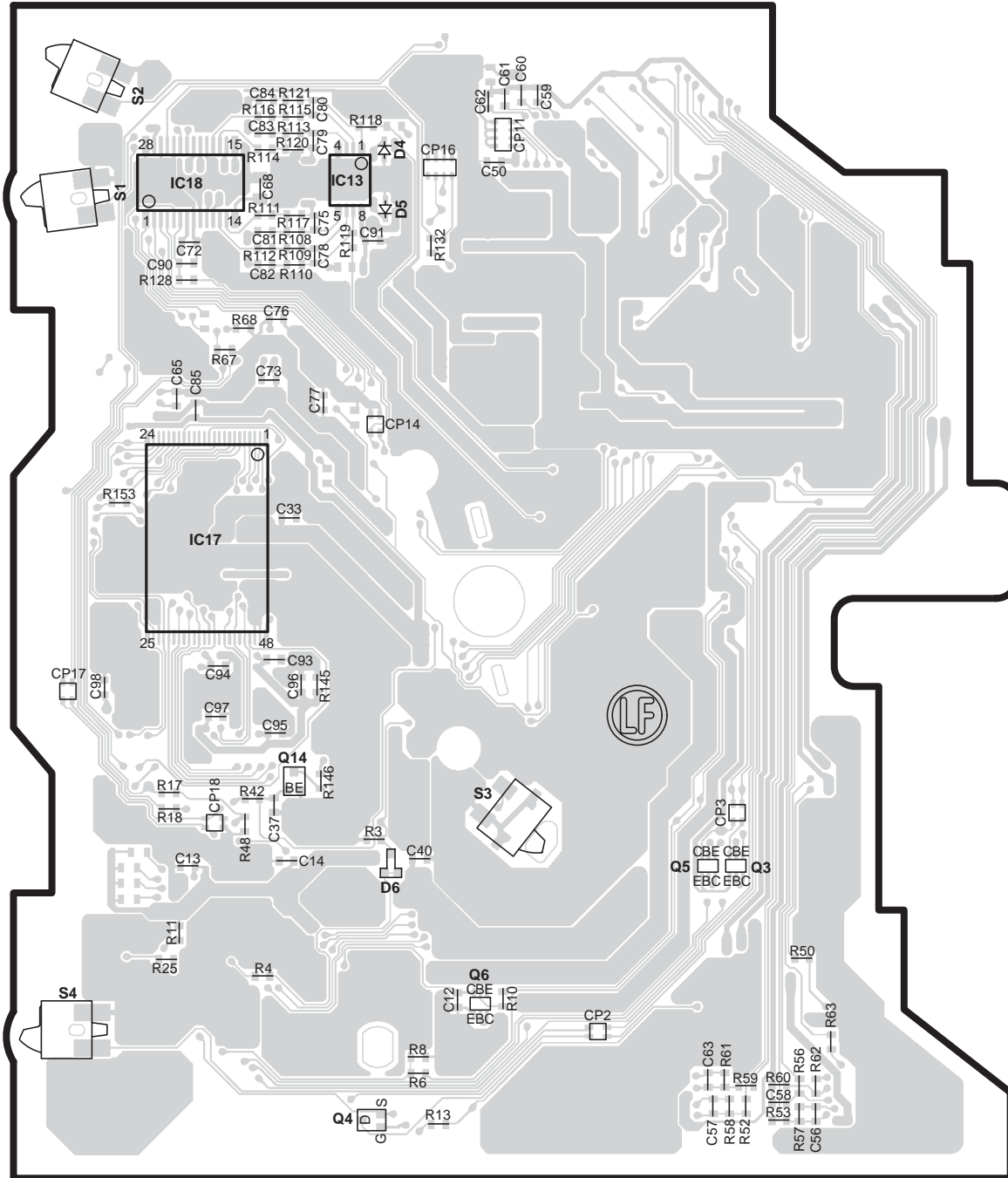
Ref. No.	Address	Ref. No.	Address
IC100	5T	Q204	4R
IC104	6T	Q205	4R
IC301	4U	Q207	3R
IC302	4U	Q209	3R
IC306	5U	Q402	4V
IC307	5U	Q403	4V
IC308	6T	Q603	3T
IC400	6V	Q604	3T
IC800	3R	Q605	3T
Q21	3Q	Q606	3S
Q22	5S	Q608	3U
Q23	5S	Q609	3U
Q31	6R	Q610	4U
Q33	7R	Q611	3U
Q45	3Q	Q612	4U
Q91	7T	Q613	3U
Q101	6T	Q800	3S
Q203	3R	Q802	2S

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

KDC-MP928/PSW9531  
/PSW9531Y, XXV-01D

# PC BOARD (COMPONENT SIDE VIEW)

## CD PLAYER UNIT X32-5730-00 (J76-0060-12)



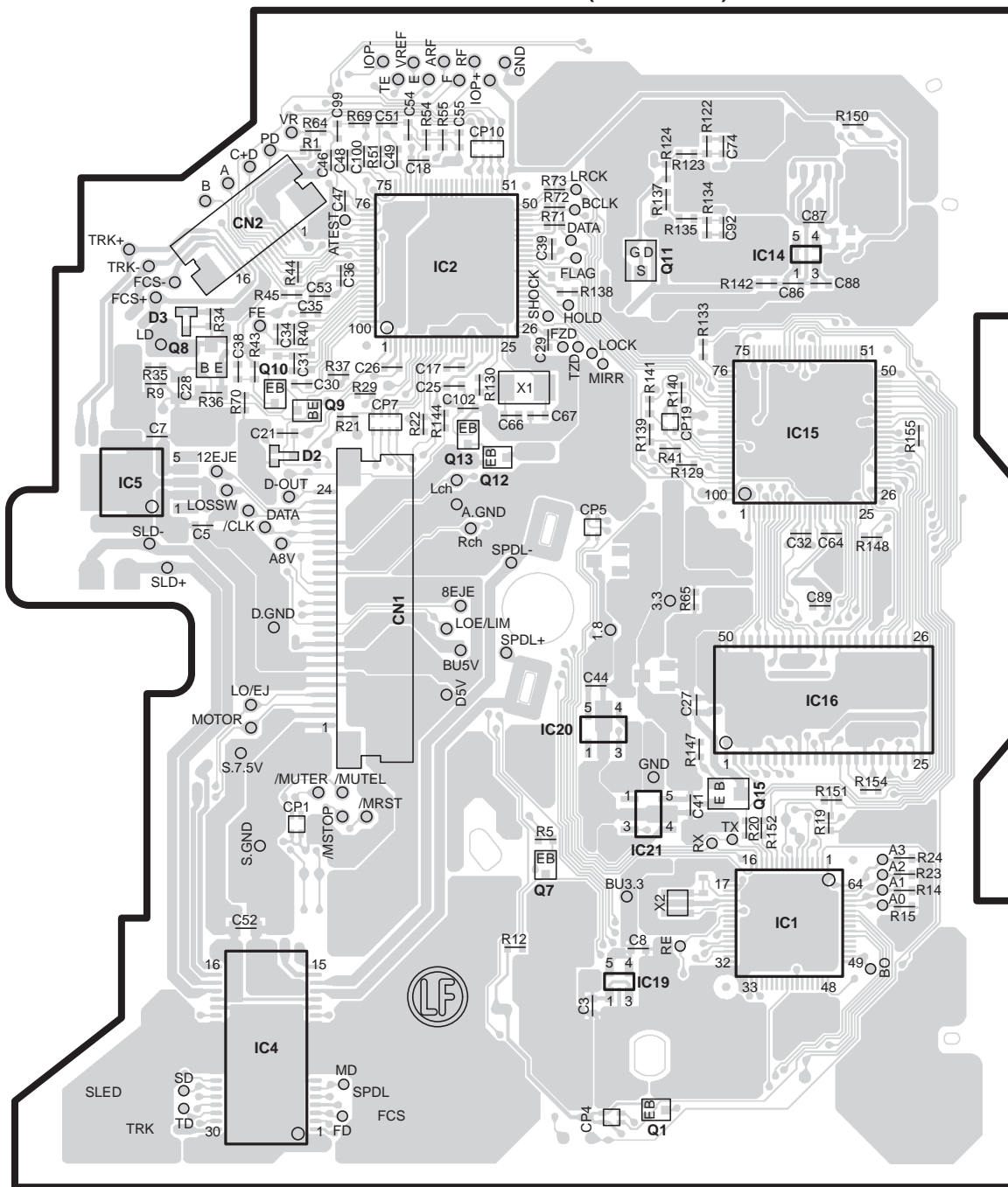
### X32-5730-00

Ref. No.	Address	Ref. No.	Address
IC13	2AB	Q4	6AB
IC17	3AA	Q5	5AC
IC18	2AA	Q6	5AB
Q3	5AC	Q14	4AA

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

# PC BOARD (FOIL SIDE VIEW)

## CD PLAYER UNIT X32-5730-00 (J76-0060-12)

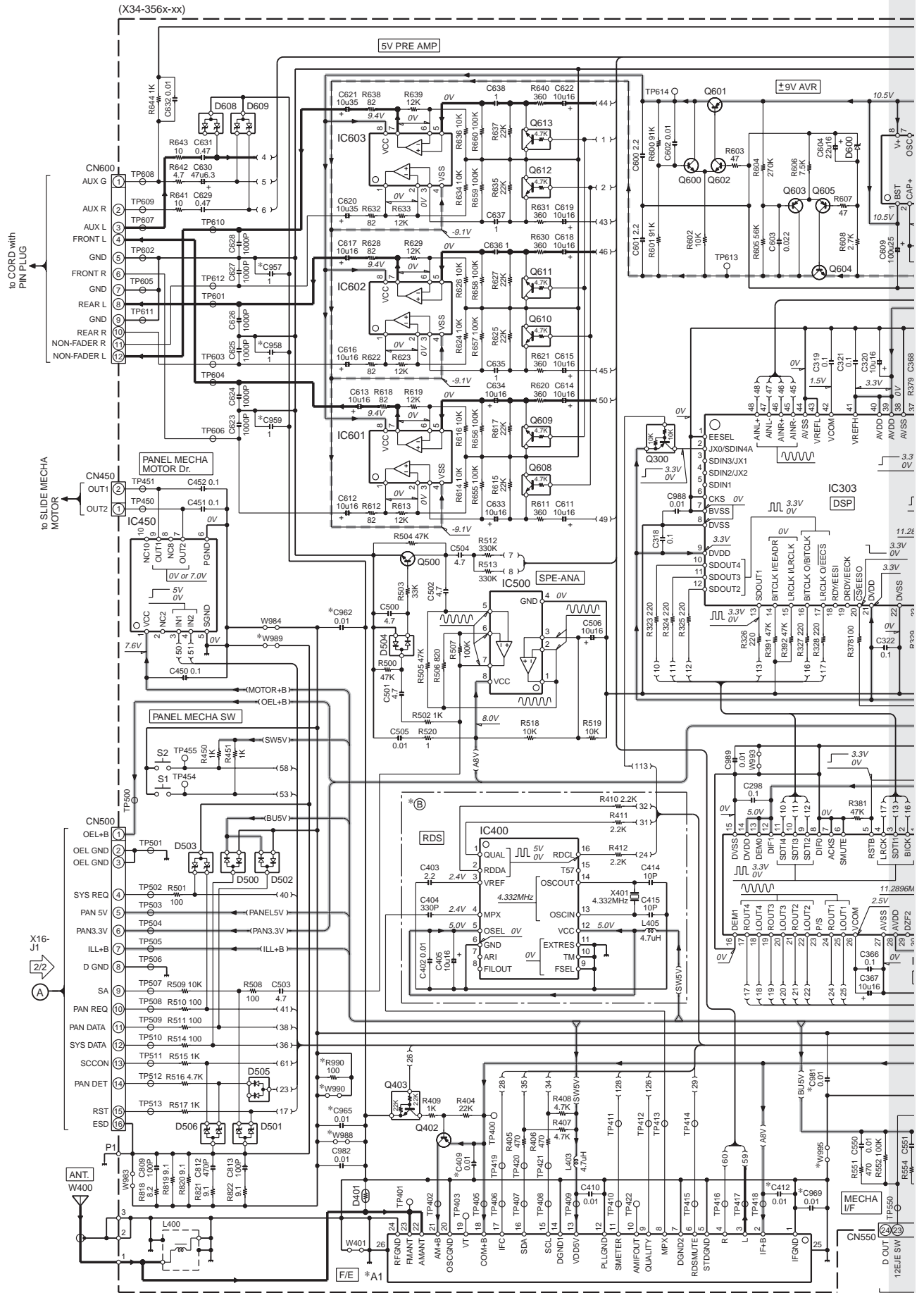


### X32-5730-00

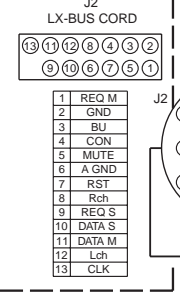
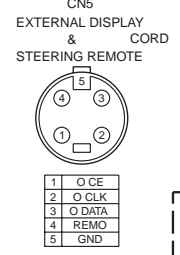
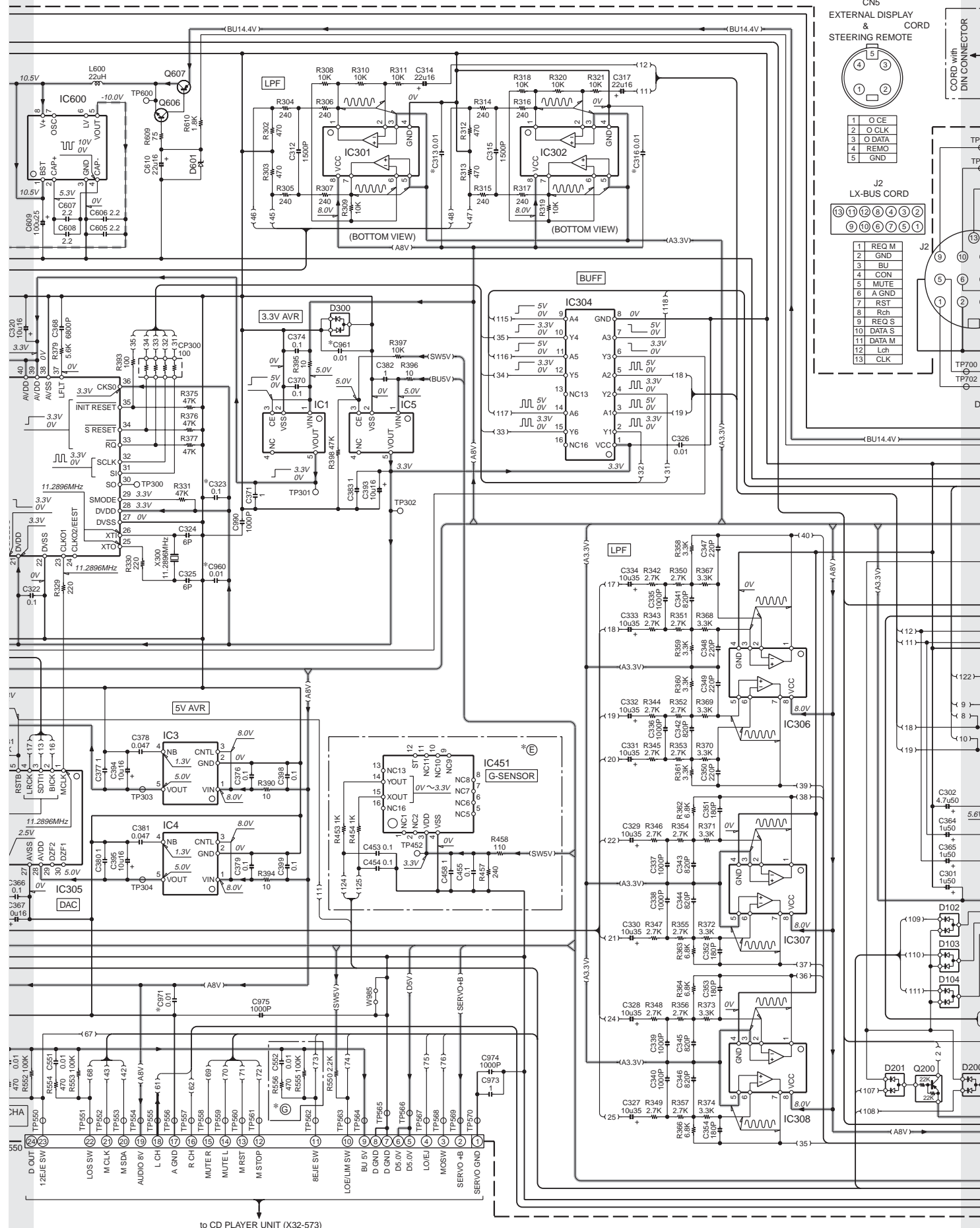
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	5AH	IC15	3AH	Q1	6AG	Q11	2AG
IC2	2AG	IC16	4AH	Q7	5AG	Q12	3AG
IC4	5AF	IC19	5AG	Q8	3AF	Q13	3AG
IC5	3AE	IC20	4AG	Q9	3AF	Q15	4AH
IC14	2AH	IC21	5AG	Q10	3AF		

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

KDC-MP928/PSW9531  
/PSW9531Y, XXV-01D

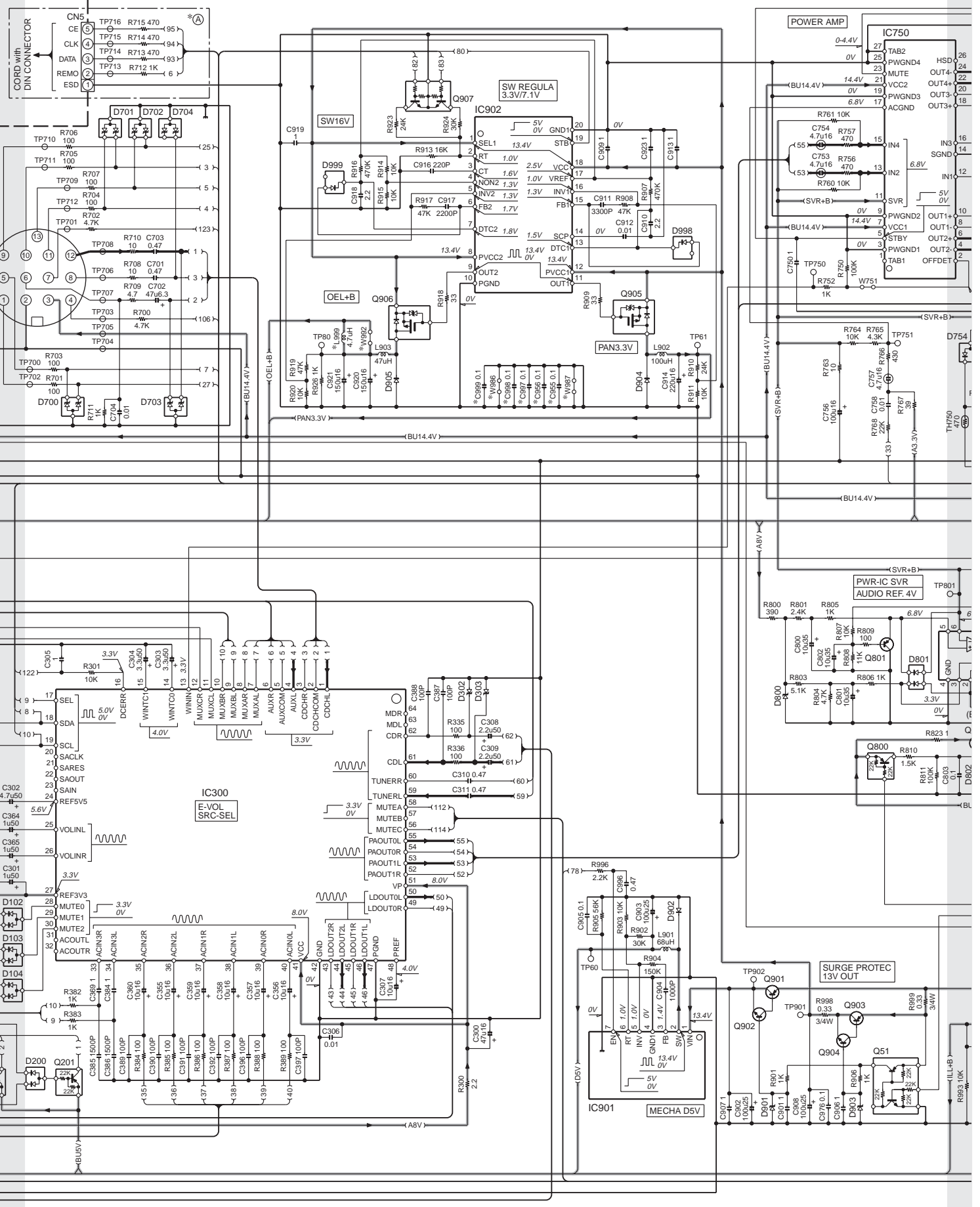


# KDC-MP928/PSW9531 /PSW9531Y, XXV-01D



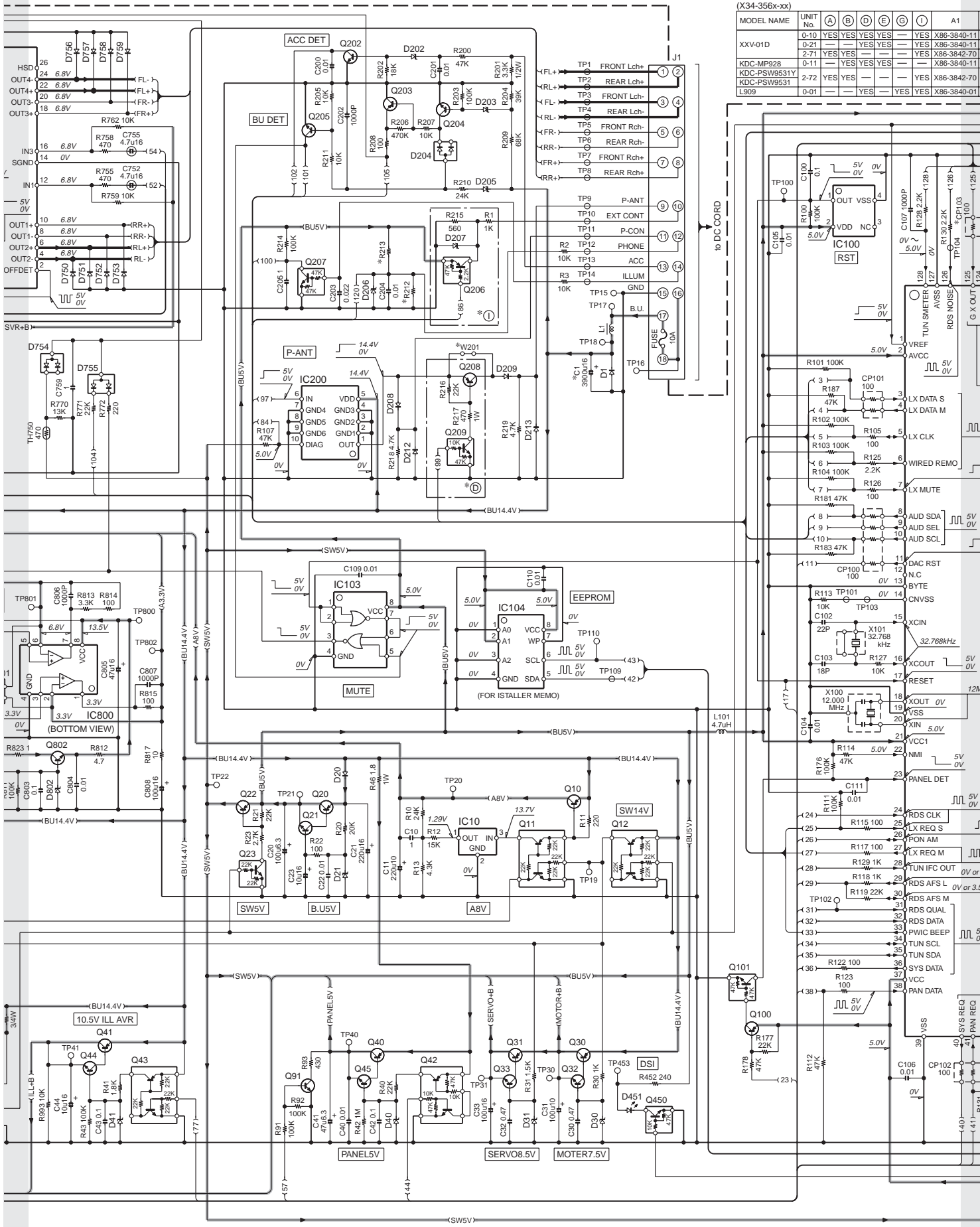
to CD PLAYER UNIT (X32-573)

KDC-MP928/PSW9531  
/PSW9531Y, XXV-01D



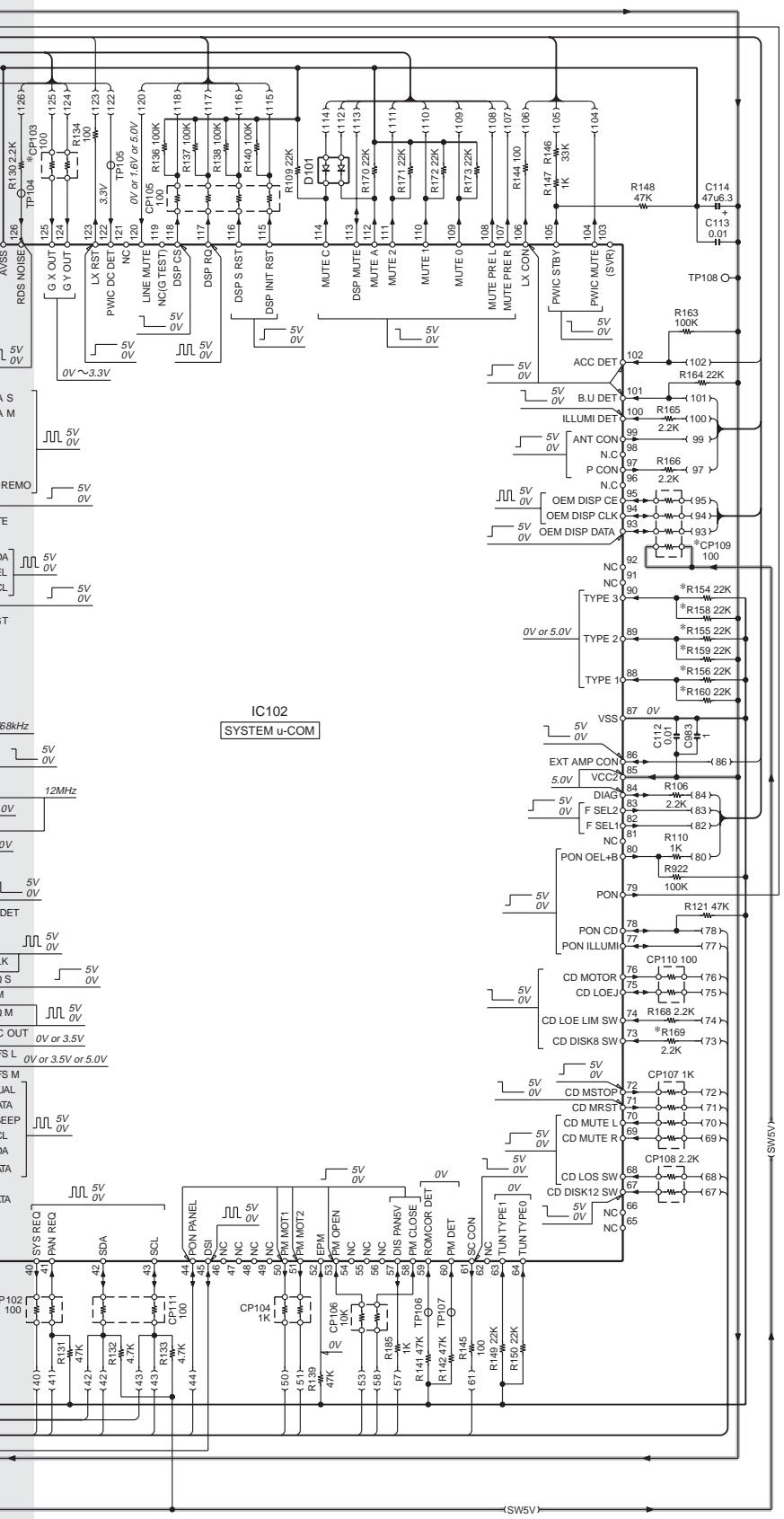
# KDC-MP928/PSW9531 /PSW9531Y, XXV-01D

(X34-356x-xx)								MODEL NAME	UNIT No.	A	B	D	E	G	H	A1
XXV-01D	0-10	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	X86-3840-11 C
	0-21	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	X86-3840-11 C
	2-71	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	X86-3842-70 C
	0-11	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	X86-3840-11 C
	2-72	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	X86-3842-70 C
	0-01	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	X86-3840-01 C



# KDC-MP928/PSW9531 /PSW9531Y, XXV-01D

A1	C1	C313,316,323,409,955-962,965,969,971,981	C412,997-999	CP103	CP109	L999	R154	R155	R156	R158	R159	R160	R169	R212	R213	R990	W201	W986-989	W990-995	W992
X86-3840-11	C90-6756-05	YES	---	YES	YES	---	YES	YES	YES	YES	---	---	---	22K	47K	YES	---	YES	---	YES
X86-3840-11	C90-6756-05	YES	---	YES	YES	---	YES	YES	YES	YES	---	---	---	22K	47K	YES	---	YES	---	YES
X86-3842-70	C90-6744-05	YES	---	YES	YES	---	YES	YES	---	---	YES	YES	---	22K	47K	YES	YES	YES	---	---
X86-3840-11	C90-6743-05	YES	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
X86-3842-70	C90-6744-05	YES	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
X86-3840-01	C90-6743-05	---	YES	---	---	---	YES	---	YES	---	---	YES	YES	47K	100K	---	---	---	YES	YES



- IC1.5 : XC6204B332MR
  - IC3.4 : NJM2864F05-ZB
  - IC10 : M5237ML-CF0J
  - IC100 : S-80836CNNB-J
  - IC102 : 30625MWPA46GP
  - IC103 : TC7W02FU-F
  - IC104 : BR24L04FV-W
  - IC200 : TPD10189F-F
  - IC300 : E-TDA7415
  - IC301,302,306-308,500,800 : RC4580DR
  - IC303 : AK7730A
  - IC304 : TC74HC4050AFT
  - IC305 : AK4359VF
  - IC400 : E-TDA7479AD
  - IC450 : LB1930M-E
  - IC451 : MMA6261QR2
  - IC600 : ICL7660SIBAZ
  - IC601-603 : NJM4565V-ZB
  - IC750 : E-TDA7560A
  - IC901 : BD9778HFP
  - IC902 : BD9851EFV
- 
- Q10,20,30,40 : 2SB1565
  - Q11,12,43,51 : UMC2N
  - Q21,45,91,904 : 2SD2351(W)
  - Q22 : 2SA1577
  - Q23,403 : DTC124EUA
  - Q31 : 2SB1184
  - Q32,33,44,202,204,205,604,606,902 : 2SC4081
  - Q41,607,901 : 2SB1443
  - Q42 : UMD12N
  - Q100,203,603,605 : 2SA1576A
  - Q101,207 : DTC144EUA
  - Q200,201,800 : DTA124EUA
  - Q206 : DTA123JK
  - Q208 : 2SB1188(Q,R)
  - Q209,450 : DTC114YUA
  - Q300 : DTA114EUA
  - Q402 : 2SB1689
  - Q500,600,602 : 2SC4617
  - Q601,801 : 2SA1774
  - Q608-613 : DTC143TUA
  - Q802 : 2SC2873-F
  - Q903 : 2SB1449(R)-E
  - Q905,906 : 2SJ484-E
  - Q907 : UMG2N
- 
- D1 : S2V60\*A
  - D20 : RB160L-40
  - D21,40,207,302,303,600 : UDZS.6B
  - D30 : HZU9.1(B)-E
  - D31 : UDZS.8B
  - D41 : 02DZ11F-Y
  - D101,801 : DA227
  - D102-104,754,755 : DAP222
  - D200,201,204,505 : DAP202U
  - D202 : UDZS6.2B
  - D203,205,800 : UDZS6.8B
  - D206 : 02DZ4.7F-Y
  - D208,209,212,213,750-753,756-759 : 1SR154-400
  - D300,504 : DA204U
  - D401 : IMSA-8801-E
  - D451 : B30-1566-05
  - D500,502 : DA204K
  - D501,503,506,700-702 : STZ6.2N
  - D601 : UDZS11B
  - D608,609,703,704 : STZ6.8N
  - D802 : UDZS16B
  - D901 : UDZS18B
  - D902,904 : SFFB-54VNF
  - D903 : HZU18(B)-E
  - D905 : RB060L-40
  - D988,999 : RB451F

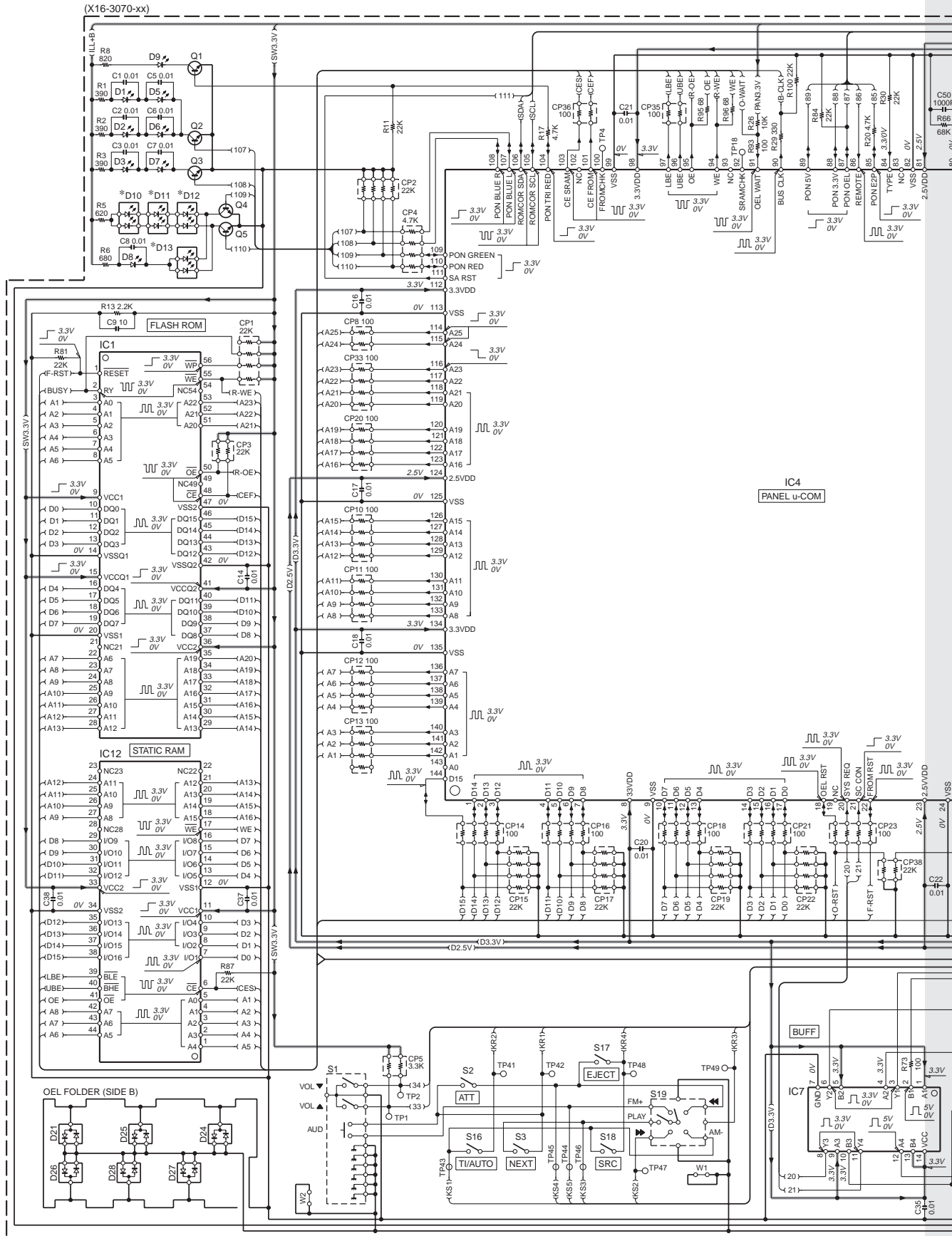
**CAUTION :** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are 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-MP928/PSW9531 /PSW9531Y, XXV-01D

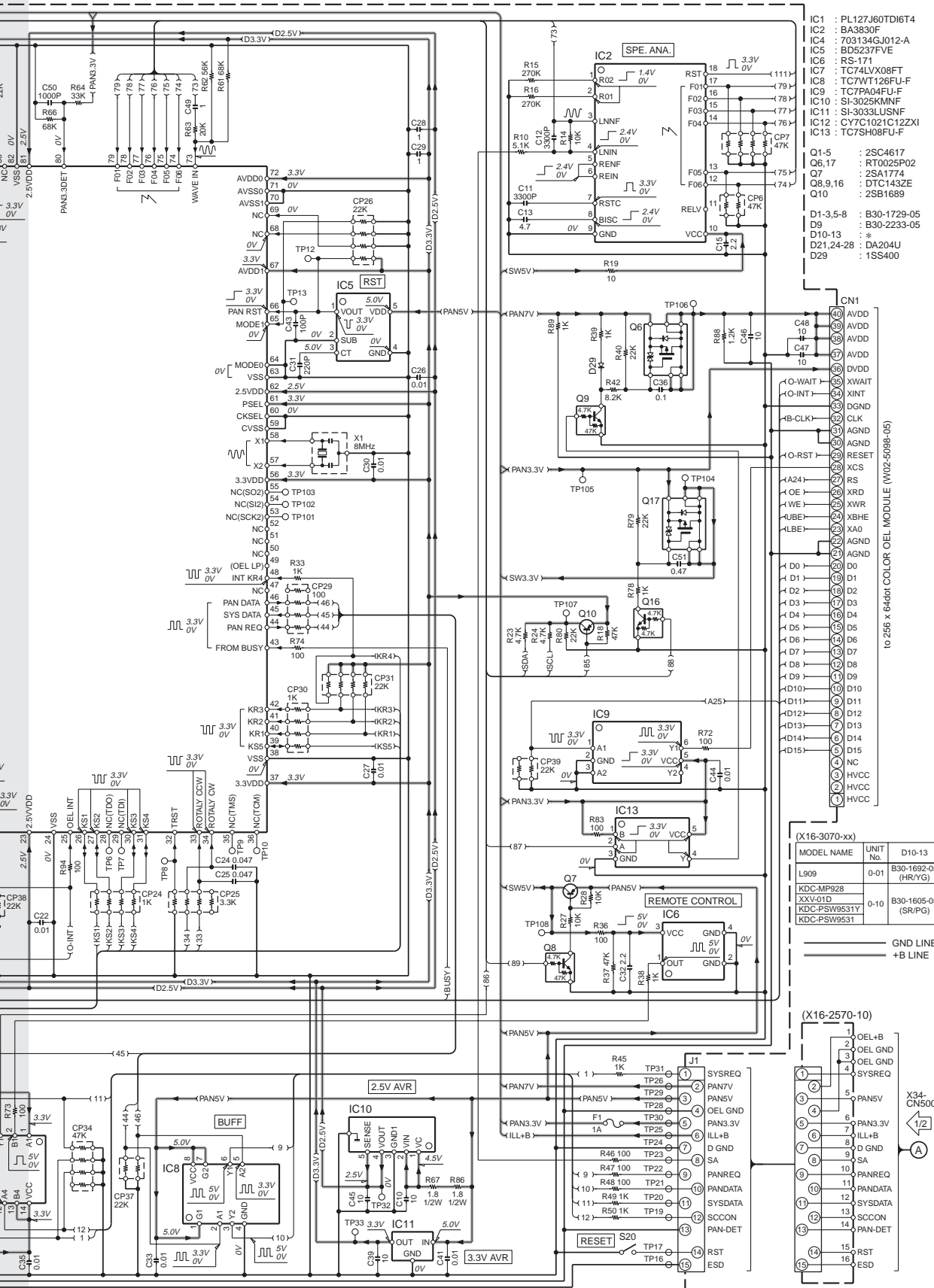
1  
2  
3  
4  
5  
6  
7



**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.

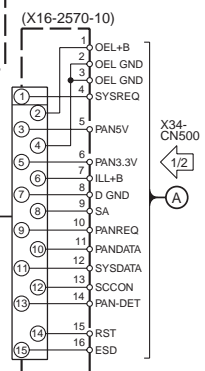
AE AF AG AH AI  
**KDC-MP928/PSW9531**  
**/PSW9531Y, XXV-01D**



- IC1 : PL127J60TDI6T4  
 IC2 : BA3830P  
 IC4 : 703134GJ012-A  
 IC5 : BD5237FVE  
 IC6 : RS-171  
 IC7 : TC74LVX08FT  
 IC8 : TC7WT126FU-F  
 IC9 : TC7PA04FU-F  
 IC10 : SI-3025KMF  
 IC11 : SI-3033LSMNF  
 IC12 : CY7C1021C12X1  
 IC13 : TC7SH08FU-F
- Q1-5 : 2SC4617  
 Q6,17 : RT0025P02  
 Q7 : 2SA1174  
 Q8,9,16 : DTC143ZE  
 Q10 : 2SB1689
- D1,3-5,8 : B30-1729-05  
 D9 : B30-2233-05  
 D10-13 :  
 D21,24-28 : DA204U  
 D29 : 1S5400

MODEL NAME	UNIT No.	D10-13
L909	0-01	B30-1692-05 (HR/YG)
KDC-MP928		
XXV-01D		
KDC-PSW9531Y	0-10	B30-1605-05 (SR/PG)
KDC-PSW9531		

— GND LINE  
 — +B LINE

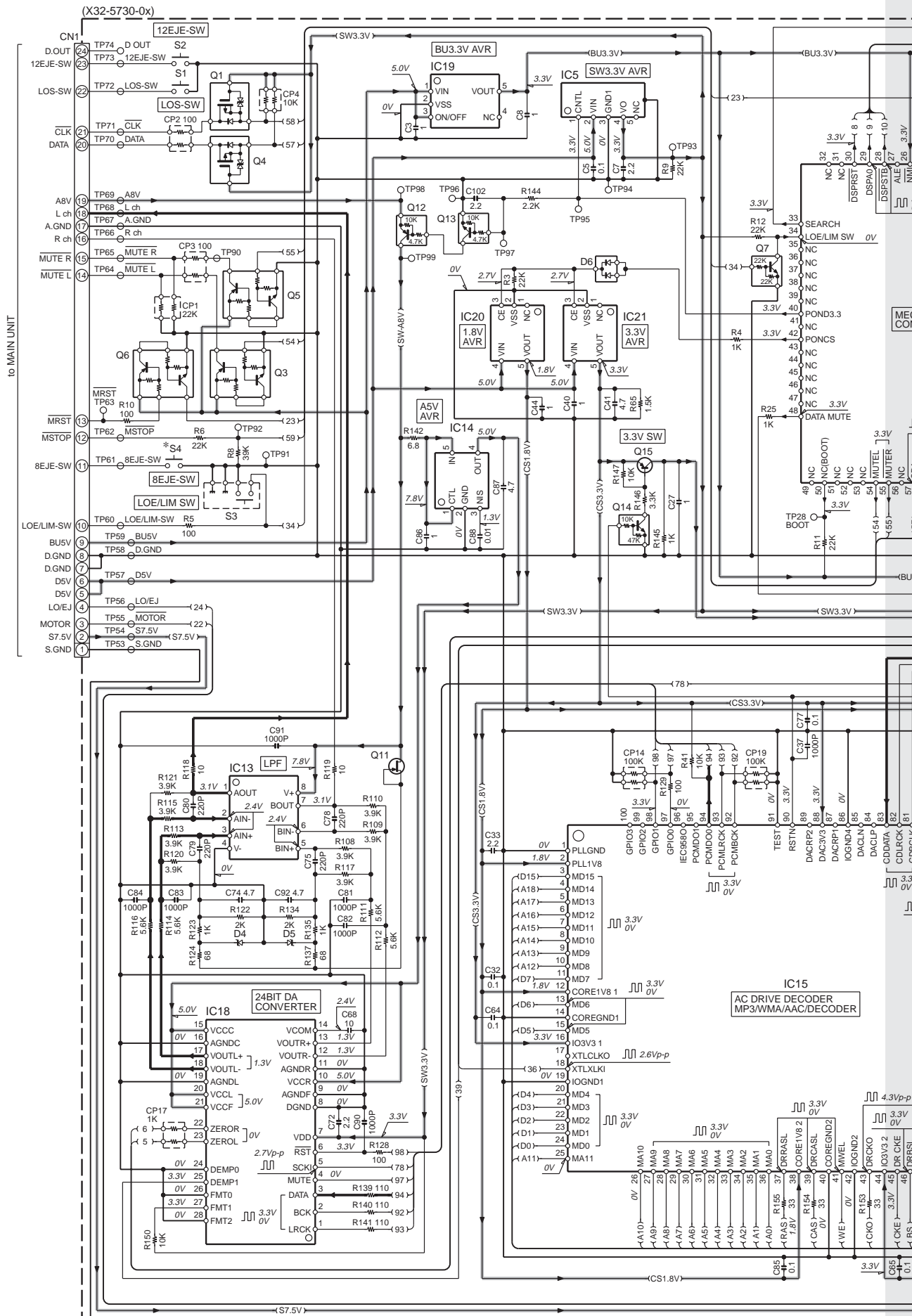


KDC-MP928/PSW9531/PSW9531Y, XXV-01D (2/2)

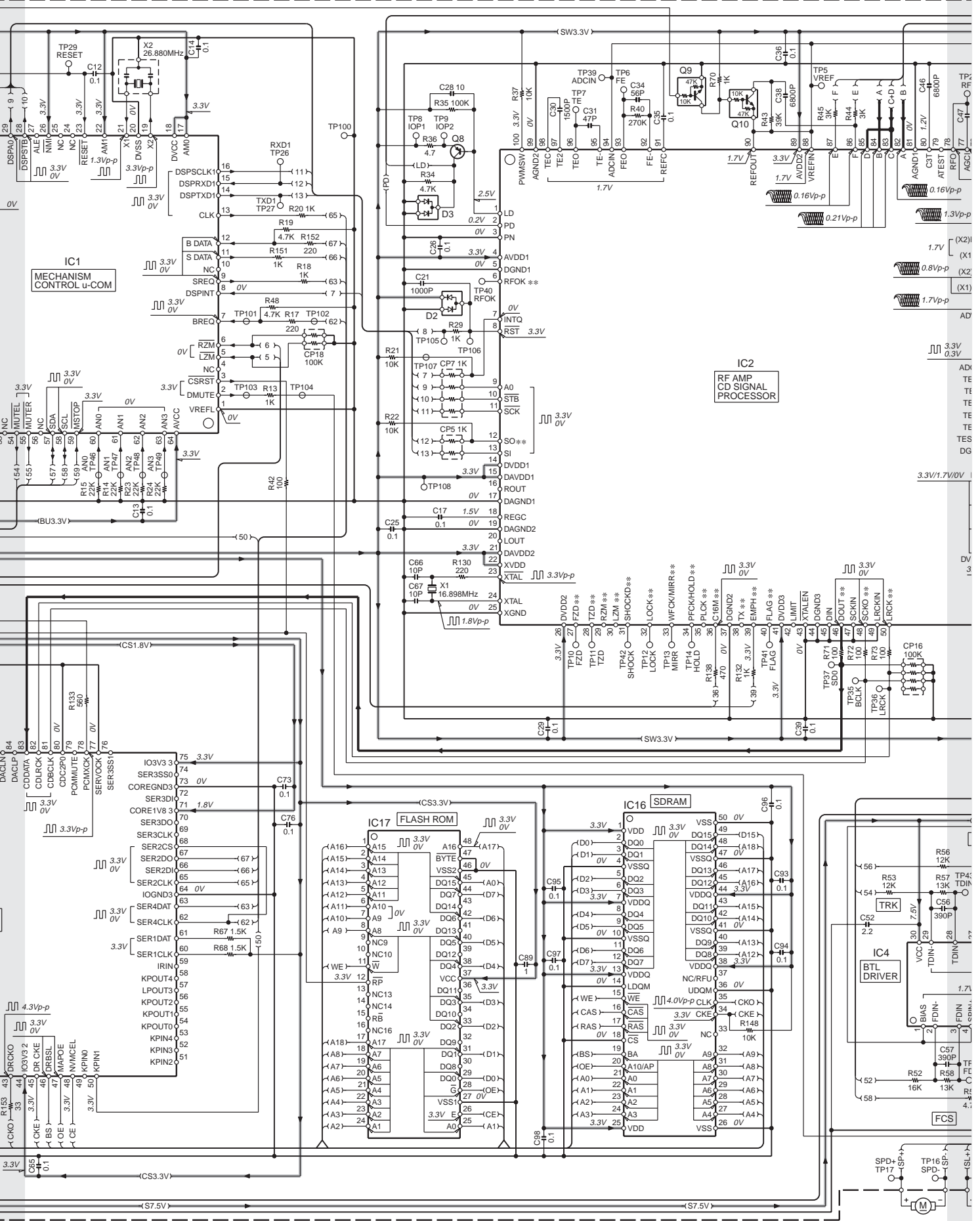
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

1  
 2  
 3  
 4  
 5  
 6  
 7

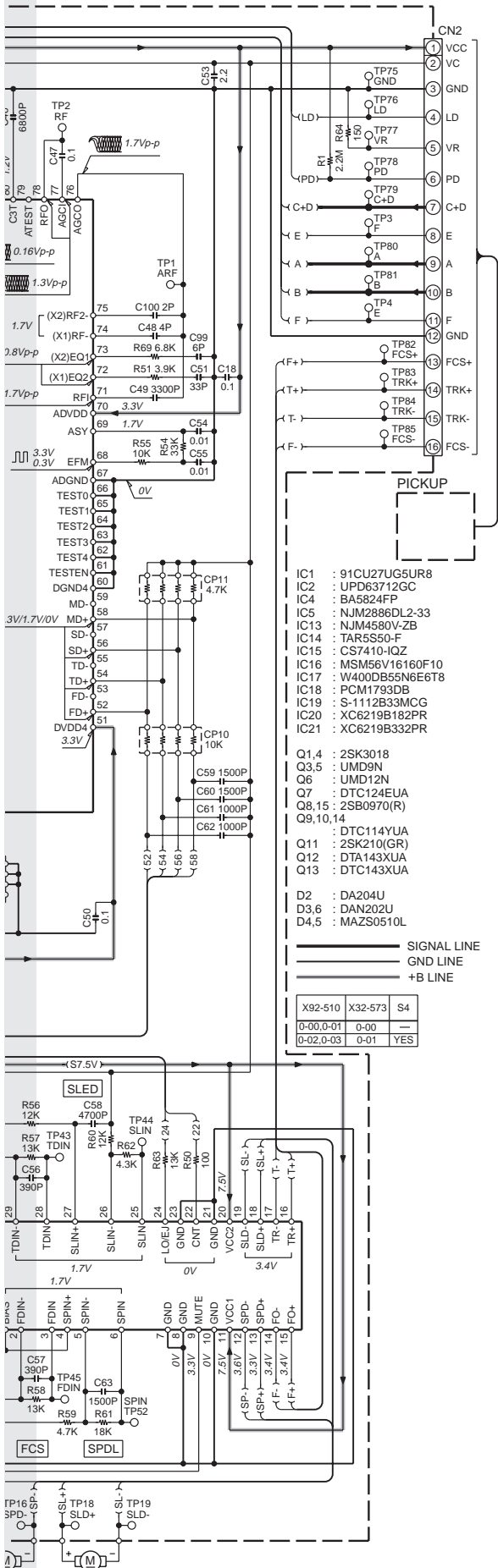
# KDC-MP928/PSW9531 /PSW9531Y, XXV-01D



KDC-MP928/PSW9531  
/PSW9531Y, XXV-01D



KDC-MP928/PSW9531 /PSW9531Y, XXV-01D



- IC1 : 91CU27UGSUR8
- IC2 : UPD63712GC
- IC4 : BA5824FP
- IC5 : NJM2886DL2-33
- IC13 : NJM4580V-ZB
- IC14 : TAR5S50-F
- IC15 : CS7410-IQZ
- IC16 : MSM56V16160F10
- IC17 : W400DB5516E6T8
- IC18 : PCM1793DB
- IC19 : S-1112B33MCG
- IC20 : XC6219B182PR
- IC21 : XC6219B332PR

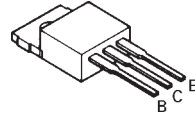
- Q1,4 : 2SK3018
- Q3,5 : UMD9N
- Q6 : UMD12N
- Q7 : DTC124EUA
- Q8,15 : 2SB0970(R)
- Q9,10,14 : DTC114YUA
- Q11 : 2SK210(GR)
- Q12 : DTA143XUA
- Q13 : DTC143XUA

- D2 : DA204U
- D3,6 : DAN202U
- D4,5 : MAZS0510L

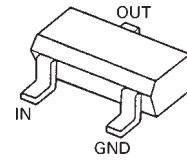
SIGNAL LINE  
GND LINE  
+B LINE

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

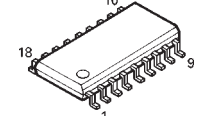
2SB1565



DTA114EUA  
DTA124EUA  
DTC124EUA  
DTC144EUA



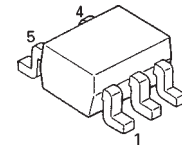
BA3830F



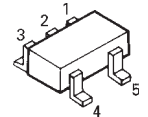
DTA123JK  
DTC114YUA  
DTC143TUA  
DTC143ZE  
2SA1576A  
2SC4617



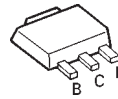
UMC2N



TC7SH08FU-F



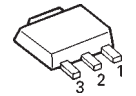
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DAN202U



M5237ML-CF0J



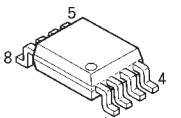
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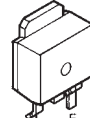
DAP202U  
DA204K  
DA204U  
RB451F



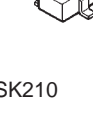
NJM4580V-ZB



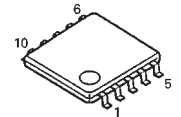
2SB1184



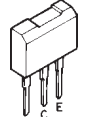
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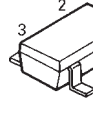
LB1930M-E



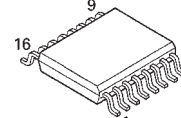
2SB1443



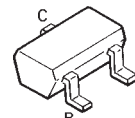
DA227



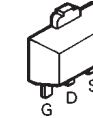
TC74HC4050AFT



2SA1774  
2SC4081



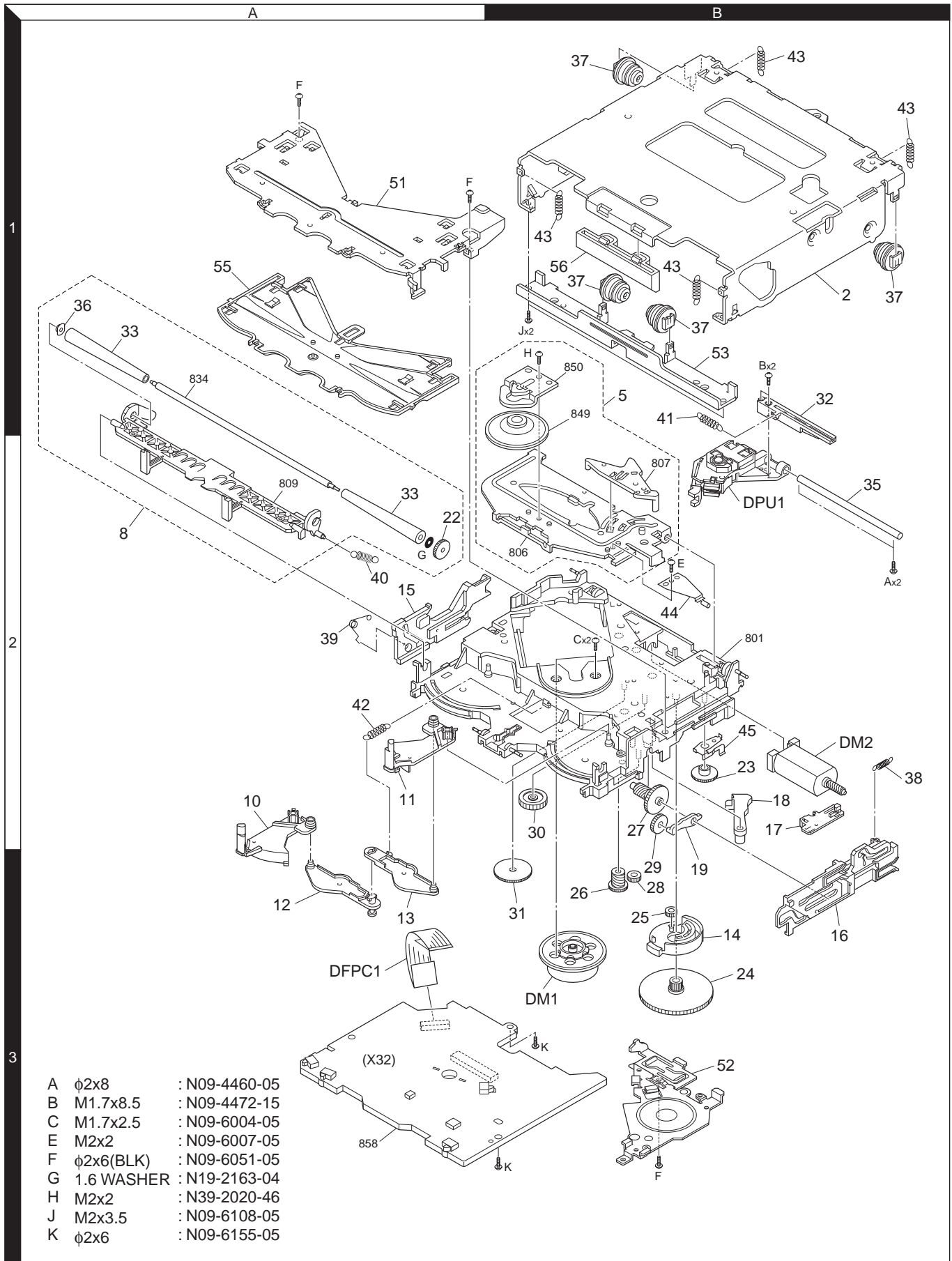
2SJ484-E



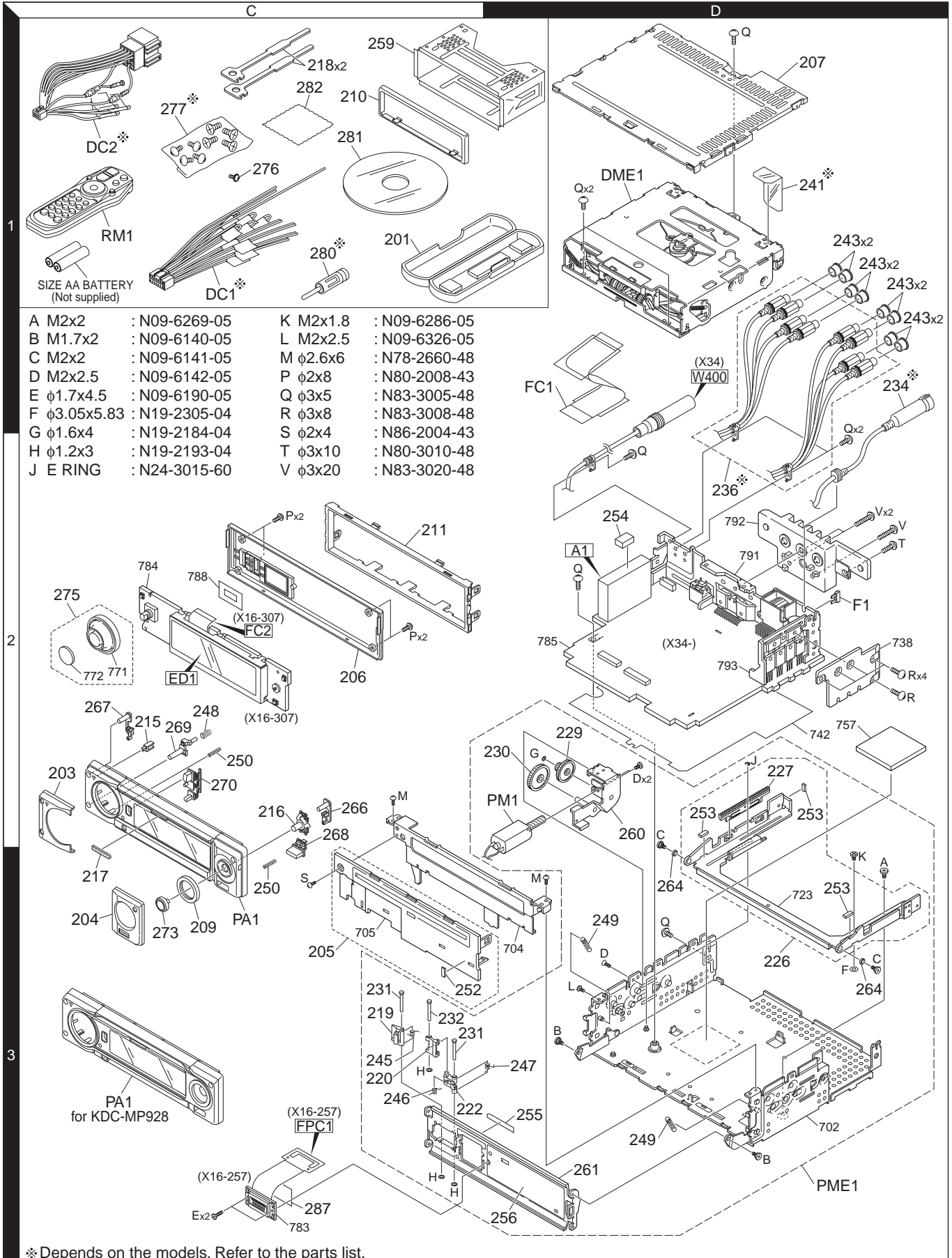
**CAUTION :** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are 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)



\* Depends on the models. 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
<b>KDC-MP928/PSW9531/PSW9531Y, XXV-01D</b>					
201	1C	*	A02-2749-03	PLASTIC CABINET ASSY	
203	2C		A21-4439-12	DRESSING PANEL (L)	E1E2
203	2C	*	A21-4565-12	DRESSING PANEL (L-BLK)	K1E3M1
204	3C		A21-4441-12	DRESSING PANEL (R)	E1E2
204	3C	*	A21-4566-12	DRESSING PANEL (R-BLK)	K1
204	3C	*	A21-4567-12	DRESSING PANEL (R-BLK)	E3
204	3C	*	A21-4568-12	DRESSING PANEL (R-BLK)	M1
205	3C	*	A22-3023-22	SUB PANEL ASSY	Δ
206	2C		A46-1817-01	REAR COVER	Δ
207	1D		A52-0845-12	TOP PLATE	Δ
PA1	3C	*	A64-3623-13	PANEL ASSY	K
PA1	3C	*	A64-3624-12	PANEL ASSY	K1
PA1	3C	*	A64-3625-12	PANEL ASSY	E1E2
PA1	3C	*	A64-3626-12	PANEL ASSY	M1
PA1	3C	*	A64-3700-12	PANEL ASSY	E3
PME1	3D		A10-5205-22	CHASSIS ASSY	
RM1	1C		A70-2067-05	REMOTE CONTROLLER ASSY (RC-527)	
-			B46-0100-50	WARRANTY CARD	KK1E2
-			B46-0100-50	WARRANTY CARD	E3M1
-			B46-0606-04	ID CARD	KK1
-			B46-0612-14	ID CARD	E1E2E3
-			B46-0612-14	ID CARD	M1
-		*	B46-0676-04	USER CARD	K1
-		*	B46-0677-04	USER CARD	M1
-		*	B46-0678-04	USER CARD	E3
-		*	B58-1431-04	CAUTION CARD	KK1
-			B59-1832-00	SUB-INSTRUCTION MANUAL	
-		*	B64-3058-00	INSTRUCTION MANUAL (ENGLISH)	K1
-		*	B64-3059-00	INSTRUCTION MANUAL (FRE.SPA.)	K1
-		*	B64-3060-00	INSTRUCTION MANUAL (RUSSIAN)	E1
-		*	B64-3061-00	INSTRUCTION MANUAL (ENG.T-CHI)	M1
-		*	B64-3091-00	INSTRUCTION MANUAL (ENGLISH)	E1E2
-		*	B64-3092-00	INSTRUCTION MANUAL (FRE.GER.)	E2
-		*	B64-3093-00	INSTRUCTION MANUAL (DUT.ITA.)	E2
-		*	B64-3094-00	INSTRUCTION MANUAL (SPA.POR.)	E2
-		*	B64-3149-00	INSTRUCTION MANUAL (ENGLISH)	K
-		*	B64-3150-00	INSTRUCTION MANUAL (FRE.SPA.)	K
-		*	B64-3151-00	INSTRUCTION MANUAL (ENGLISH)	E3
-		*	B64-3152-00	INSTRUCTION MANUAL (FRE.GER.)	E3
-		*	B64-3153-00	INSTRUCTION MANUAL (DUT.ITA.)	E3
209	3C		B07-3127-03	ESCUTCHEON (R LING)	KE1E2
209	3C	*	B07-3163-03	ESCUTCHEON (R LING)	K1E3M1
210	1C		B07-3125-01	ESCUTCHEON	
211	2C		B07-3095-02	ESCUTCHEON	
215	2C		B19-2309-03	LIGHTING BOARD	
216	2C		B19-2310-13	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	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
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	1D		E30-6292-15	CORD WITH DIN CONNECTOR	E1E2E3
236	2D		E30-6435-05	CORD WITH PINPLUG	KE1E2
236	2D	*	E30-6473-05	CORD WITH PINPLUG	K1E3M1
DC1	1C		E30-6408-05	DC CORD	K1M1
DC1	1C		E30-6414-05	DC CORD	K
DC2	1C		E30-6412-05	DC CORD	E1E2E3
FC1	1D		E39-0736-05	FLAT CABLE (24PIN 1MM)	
241	1D	*	F20-2278-04	INSULATING SHEET (MECH)	E1E2E3
243	1D		F29-0626-04	INSULATING COVER	
F1	2D		F52-0006-05	FUSE (MINI BLADE TYPE) 10A	
245	3C		G01-3210-04	TORSION COIL SPRING	
246	3C		G01-3211-04	TORSION COIL SPRING	
247	3D		G01-3212-04	TORSION COIL SPRING	
248	2C		G01-3213-04	COMPRESSION SPRING	
249	3D		G01-3215-04	EXTENSION SPRING (P)	
250	2C		G01-3261-04	COMPRESSION SPRING (STATIC)	
252	3C		G11-3594-04	CUSHION	
253	2D		G11-3646-04	CUSHION	
254	2D	*	G11-3656-04	CUSHION	
255	3D		G16-1482-14	SHEET	
256	3D		G16-1483-04	SHEET	
-			H10-4925-02	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	KK1E1
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	M1
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1111-04	PROTECTION BAG (280X450X0.03)	E2E3
-		*	H54-3450-03	ITEM CARTON CASE	K1
-		*	H54-3451-03	ITEM CARTON CASE	K
-		*	H54-3452-03	ITEM CARTON CASE	E1
-		*	H54-3453-03	ITEM CARTON CASE	M1
-		*	H54-3503-03	ITEM CARTON CASE	E2
-		*	H54-3504-03	ITEM CARTON CASE	E3
259	1C		J21-9716-03	MOUNTING HARDWARE ASSY	
260	3D		J22-0114-03	MOUNTING HARDWARE ASSY (M BR C)	
261	3D		J22-0263-02	MOUNTING HARDWARE	
264	3D		J31-1062-04	COLLAR	
266	2C		K24-4286-03	PUSH KNOB (EJECT)	E1E2
266	2C	*	K24-4287-13	PUSH KNOB (EJECT)	KK1E3
266	2C	*	K24-4287-13	PUSH KNOB (EJECT)	M1
267	2C		K24-4289-03	PUSH KNOB (ATT)	E1E2
267	2C	*	K24-4290-13	PUSH KNOB (ATT)	KK1E3
267	2C	*	K24-4290-13	PUSH KNOB (ATT)	M1
268	3C		K24-4292-03	PUSH KNOB (SRC)	E1E2
268	3C	*	K24-4293-13	PUSH KNOB (SRC)	KK1E3
268	3C	*	K24-4293-13	PUSH KNOB (SRC)	M1
269	2C		K24-4295-03	PUSH KNOB (RELEASE)	E1E2
269	2C		K24-4296-03	PUSH KNOB (RELEASE)	KK1E3

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

Δ Indicates safety critical components.



# PARTS LIST

## KDC-MP928/PSW9531/PSW9531Y, XXV-01D

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
269	2C		K24-4296-03	PUSH KNOB (RELEASE)	M1	C30			CK73GB1H103K	CHIP C 0.010UF	K
270	2C	*	K25-1721-13	PUSH KNOB (MENU)		C31			CC73GCH1H221J	CHIP C 220PF	J
273	3C		K29-7144-03	KEY TOP (CONTROL)	KE1E2	C32			CK73FB1A225K	CHIP C 2.2UF	K
273	3C	*	K29-7180-03	KEY TOP (CONTROL)	K1E3M1	C33			CK73GB1H103K	CHIP C 0.010UF	K
275	2C		K29-7150-04	KNOB ASSY (VOL)	KE1E2	C35			CK73GB1H103K	CHIP C 0.010UF	K
275	2C	*	K29-7181-04	KNOB ASSY (VOL)	K1E3M1	C36			CK73GB1H104K	CHIP C 0.10UF	K
276	1C		N09-6280-05	TAPPING SCREW (T2X5)		C37,38			CK73GB1H103K	CHIP C 0.010UF	K
277	1C		N99-1758-05	SCREW SET	KK1M1	C39			CK73FB0J106K	CHIP C 10UF	K
A	3D		N09-6269-05	STEPPED SCREW (M2X2)		C41			CK73GB1H103K	CHIP C 0.010UF	K
B	3D		N09-6140-05	STEPPED SCREW (M1.7X2)		C43			CC73GCH1H101J	CHIP C 100PF	J
C	3D		N09-6141-05	STEPPED SCREW (M2X2)		C44			CK73GB1H103K	CHIP C 0.010UF	K
D	3D		N09-6142-05	MACHINE SCREW (M2X2.5)		C45			CK73FB0J106K	CHIP C 10UF	K
E	3C		N09-6190-05	TAPPING SCREW (T1.7X4.5)		C46			CK73EB1C106K	CHIP C 10UF	K
F	3D		N19-2305-04	FLAT WASHER (3.05X5.83)		C47,48			CK73FB0J106K	CHIP C 10UF	K
G	2D		N19-2184-04	FLAT WASHER (1.6X4.0)		C49			CK73FB1C105K	CHIP C 1.0UF	K
H	3C		N19-2193-04	FLAT WASHER (1.2X3)		C50			CK73GB1H102K	CHIP C 1000PF	K
J	2D		N24-3015-60	E TYPE RETAINING RING		C51			CK73GB1A474K	CHIP C 0.47UF	K
K	2D		N09-6286-05	STEPPED SCREW (M2X1.8)		CN1			E41-2195-05	FLAT CABLE CONNECTOR	
L	3D		N09-6326-05	MACHINE SCREW (M2X2.5)		FC2	2C	*	E39-0737-05	FLAT CABLE	
M	2C		N78-2660-48	PAN HEAD TAPTITE SCREW (2.6X6)		J1		*	E59-0846-05	RECTANGULAR PLUG	
P	2C		N80-2008-43	PAN HEAD TAPTITE SCREW (2X8)		F1		*	F53-0367-05	FUSE	
Q	1D		N83-3005-48	PAN HEAD TAPTITE SCREW		X1		*	L78-1211-05	RESONATOR (8.000MHZ)	
R	2D		N83-3008-48	PAN HEAD TAPTITE SCREW		CP1,2			RK74HB1J223J	CHIP-COM 22K	J 1/16W
S	3C		N86-2004-43	BINDING HEAD TAPTITE SCREW		CP3			RK74GA1J223J	CHIP-COM 22K	J 1/16W
280	1C		T90-0523-05	ANTENNA ADAPTOR	E1E2E3	CP4			RK74HB1J472J	CHIP-COM 4.7K	J 1/16W
PM1	2D		T42-1086-14	MOTOR ASSY		CP5			RK74GA1J332J	CHIP-COM 3.3K	J 1/16W
281	1C		W01-1643-15	COMPACT DISC	KK1M1	CP6			RK74GA1J473J	CHIP-COM 47K	J 1/16W
281	1C		W01-1647-05	COMPACT DISC (E TYPE)	E1E2E3	CP7			RK74HB1J473J	CHIP-COM 47K	J 1/16W
282	1C		W01-1649-05	CLEANING CLOTH	K1E3M1	CP8			RK74GA1J101J	CHIP-COM 100	J 1/16W
DME1	1D		X92-5100-00	CD MECHANISM ASSY (DXM-6800W)		CP10-14			RK74HB1J101J	CHIP-COM 100	J 1/16W
<b>SUB-CIRCUIT UNIT (X16-2570-10)</b>						CP15			RK74HB1J223J	CHIP-COM 22K	J 1/16W
J1			E58-0982-05	RECTANGULAR RECEPTACLE		CP16			RK74HB1J101J	CHIP-COM 100	J 1/16W
287	3C		F20-2284-14	INSULATING SHEET		CP17			RK74HB1J223J	CHIP-COM 22K	J 1/16W
FPC1	3C		J86-0003-05	FPC (LEAD FREE)		CP18			RK74HB1J101J	CHIP-COM 100	J 1/16W
<b>SWITCH UNIT (X16-3070-10)</b>						CP19			RK74HB1J223J	CHIP-COM 22K	J 1/16W
D1-3			B30-1729-05	LED (1608, BLUE)		CP20,21			RK74HB1J101J	CHIP-COM 100	J 1/16W
D5-8			B30-1729-05	LED (1608, BLUE)		CP22			RK74HB1J223J	CHIP-COM 22K	J 1/16W
D9			B30-2233-05	LED (HR 1608)		CP23			RK74HB1J101J	CHIP-COM 100	J 1/16W
D10-13			B30-1605-05	LED (2COLOR PG/RED)		CP24			RK74HB1J102J	CHIP-COM 1.0K	J 1/16W
C1-3			CK73GB1H103K	CHIP C 0.010UF	K	CP25			RK74HB1J332J	CHIP-COM 3.3K	J 1/16W
C5-8			CK73GB1H103K	CHIP C 0.010UF	K	CP26			RK74HB1J223J	CHIP-COM 22K	J 1/16W
C9,10			CK73FB0J106K	CHIP C 10UF	K	CP29			RK74HB1J101J	CHIP-COM 100	J 1/16W
C11,12			CK73GB1H332K	CHIP C 3300PF	K	CP30			RK74HB1J102J	CHIP-COM 1.0K	J 1/16W
C13			CK73EB1A475K	CHIP C 4.7UF	K	CP31			RK74HB1J223J	CHIP-COM 22K	J 1/16W
C14			CK73GB1H103K	CHIP C 0.010UF	K	CP33			RK74HB1J101J	CHIP-COM 100	J 1/16W
C15			CK73FB1A225K	CHIP C 2.2UF	K	CP34			RK74HB1J473J	CHIP-COM 47K	J 1/16W
C16-22			CK73GB1H103K	CHIP C 0.010UF	K	CP35,36			RK74GA1J101J	CHIP-COM 100	J 1/16W
C24,25			CK73GB1H473K	CHIP C 0.047UF	K	CP37-39			RK74GA1J223J	CHIP-COM 22K	J 1/16W
C26,27			CK73GB1H103K	CHIP C 0.010UF	K	R1-3			RK73FB2B391J	CHIP R 390	J 1/8W
C28,29			CK73GB1A105K	CHIP C 1.0UF	K	R5			RK73FB2B621J	CHIP R 620	J 1/8W
						R6			RK73FB2B681J	CHIP R 680	J 1/8W
						R8			RK73FB2B821J	CHIP R 820	J 1/8W

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.

# PARTS LIST

## SWITCH UNIT (X16-3070-10)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R10			RK73GB2A512J	CHIP R 5.1K J 1/10W	
R11			RK73GB2A223J	CHIP R 22K J 1/10W	
R13			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R14			RK73GB2A103J	CHIP R 10K J 1/10W	
R15,16			RK73GB2A274J	CHIP R 270K J 1/10W	
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	
R20			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R23,24			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R26-28			RK73GB2A103J	CHIP R 10K J 1/10W	
R29			RK73GH2A330D	CHIP R 33 D 1/10W	
R30			RK73GB2A223J	CHIP R 22K J 1/10W	
R33			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R36			RK73GB2A101J	CHIP R 100 J 1/10W	
R37			RK73GB2A473J	CHIP R 47K J 1/10W	
R38,39			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R40			RK73GB2A223J	CHIP R 22K J 1/10W	
R42			RK73GB2A822J	CHIP R 8.2K J 1/10W	
R45			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R46-48			RK73EB2E101J	CHIP R 100 J 1/4W	
R49,50			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R61			RK73GB2A683J	CHIP R 68K J 1/10W	
R62			RK73GB2A563J	CHIP R 56K J 1/10W	
R63			RK73GB2A203J	CHIP R 20K J 1/10W	
R64			RK73GB2A333J	CHIP R 33K J 1/10W	
R66			RK73GB2A683J	CHIP R 68K J 1/10W	
R67		*	RK73PB2H1R8J	CHIP R 1.8 J 1/2W	
R72-74			RK73GB2A101J	CHIP R 100 J 1/10W	
R78			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R79-81			RK73GB2A223J	CHIP R 22K J 1/10W	
R83			RK73GB2A101J	CHIP R 100 J 1/10W	
R84			RK73GB2A223J	CHIP R 22K J 1/10W	
R86		*	RK73PB2H1R8J	CHIP R 1.8 J 1/2W	
R87			RK73GB2A223J	CHIP R 22K J 1/10W	
R88			RK73GB2A122J	CHIP R 1.2K J 1/10W	
R89			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R93,94			RK73GB2A101J	CHIP R 100 J 1/10W	
R95,96			RK73GB2A680J	CHIP R 68 J 1/10W	
R100			RK73GB2A223J	CHIP R 22K J 1/10W	
W1,2			R92-2053-05	CHIP R 0 OHM J 1/8W	
S2,3			S70-0901-05	TACT SWITCH	
S16-18			S70-0901-05	TACT SWITCH	
S19			S70-0926-25	TACT SWITCH	
S20			S70-0901-05	TACT SWITCH	
S1			T99-0456-15	ROTARY ENCODER	
D21			DA204U	DIODE	
D24-28			DA204U	DIODE	
D29			1SS400	DIODE	
IC1		*	PL127J60TDI6T4	ROM IC	
IC2			BA3830F	ANALOGUE IC	
IC4		*	703134GJ012-A	MICROCONTROLLER IC	
IC5			BD5237FVE	ANALOGUE IC	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
IC6			RS-171	ANALOGUE IC	
IC7			TC74LVX08FT	MOS-IC	
IC8			TC7WT126FU-F	MOS-IC	
IC9		*	TC7PA04FU-F	MOS-IC	
IC10			SI-3025KMNF	ANALOGUE IC	
IC11			SI-3033LUSNF	ANALOGUE IC	
IC12		*	CY7C1021C12ZXI	SRAM IC	
IC13			TC7SH08FU-F	MOS-IC	
Q1-5			2SC4617	TRANSISTOR	
Q6			RTQ025P02	FET	
Q7			2SA1774	TRANSISTOR	
Q8,9			DTC143ZE	DIGITAL TRANSISTOR	
Q10			2SB1689	TRANSISTOR	
Q16			DTC143ZE	DIGITAL TRANSISTOR	
Q17			RTQ025P02	FET	
ED1		*	W02-5098-05	ELECTRIC CIRCUIT MODULE (OEL)	
<b>CD PLAYER UNIT (X32-5730-00)</b>					
C3			CK73GB0J105K	CHIP C 1.0UF K	
C5			CK73GB1C104K	CHIP C 0.10UF K	
C7			CK73GB0J225K	CHIP C 2.2UF K	
C8			CK73GB0J105K	CHIP C 1.0UF K	
C12-14			CK73GB1C104K	CHIP C 0.10UF K	
C17,18			CK73GB1C104K	CHIP C 0.10UF K	
C21			CK73GB1H102K	CHIP C 1000PF K	
C25,26			CK73GB1C104K	CHIP C 0.10UF K	
C28			CK73FB0J106M	CHIP C 10UF M	
C29			CK73GB1C104K	CHIP C 0.10UF K	
C30			CK73GB1H152K	CHIP C 1500PF K	
C31			CC73GCH1H470J	CHIP C 47PF J	
C32			CK73GB1C104K	CHIP C 0.10UF K	
C33			CK73GB0J225K	CHIP C 2.2UF K	
C34			CC73GCH1H560J	CHIP C 56PF J	
C35,36			CK73GB1C104K	CHIP C 0.10UF K	
C37			CK73GB1H102K	CHIP C 1000PF K	
C38			CK73GB1H682K	CHIP C 6800PF K	
C39			CK73GB1C104K	CHIP C 0.10UF K	
C40			CK73GB0J105K	CHIP C 1.0UF K	
C41			CK73GB0J475K	CHIP C 4.7UF K	
C44			CK73GB0J105K	CHIP C 1.0UF K	
C46			CK73GB1H682K	CHIP C 6800PF K	
C47			CK73GB1C104K	CHIP C 0.10UF K	
C48			CC73GCH1H040C	CHIP C 4.0PF C	
C49			CK73GB1H332K	CHIP C 3300PF K	
C50			CK73GB1C104K	CHIP C 0.10UF K	
C51			CC73GCH1H330J	CHIP C 33PF J	
C52			CK73FB1A225K	CHIP C 2.2UF K	
C53			CK73GB0J225K	CHIP C 2.2UF K	
C54,55			CK73GB1H103K	CHIP C 0.010UF K	
C56,57			CC73GCH1H391J	CHIP C 390PF J	
C58			CK73GB1H472K	CHIP C 4700PF K	
C59,60			CK73GB1H152K	CHIP C 1500PF K	
C61,62			CK73GB1H102K	CHIP C 1000PF K	
C63			CK73GB1H152K	CHIP C 1500PF K	
C64,65			CK73GB1C104K	CHIP C 0.10UF K	

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.

# PARTS LIST

## CD PLAYER UNIT (X32-5730-00)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C66,67			CC73GCH1H100D	CHIP C 10PF D		R25			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C68			CK73FB0J106M	CHIP C 10UF M		R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
C72			CK73GB0J225K	CHIP C 2.2UF K		R34			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C73			CK73GB1C104K	CHIP C 0.10UF K		R35			RK73GB2A104J	CHIP R 100K J 1/10W	
C74			CK73GB0J475K	CHIP C 4.7UF K		R36			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	
C75			CC73GCH1H221J	CHIP C 220PF J		R37			RK73GB2A103J	CHIP R 10K J 1/10W	
C76,77			CK73GB1C104K	CHIP C 0.10UF K		R40			RK73GB2A274J	CHIP R 270K J 1/10W	
C78-80			CC73GCH1H221J	CHIP C 220PF J		R41			RK73GB2A103J	CHIP R 10K J 1/10W	
C81-84			CK73GB1H102K	CHIP C 1000PF K		R42			RK73GB2A101J	CHIP R 100 J 1/10W	
C85			CK73GB1C104K	CHIP C 0.10UF K		R43			RK73GB2A393J	CHIP R 39K J 1/10W	
C86			CK73GB1A105K	CHIP C 1.0UF K		R44,45			RK73GB2A302J	CHIP R 3.0K J 1/10W	
C87			CK73GB0J475K	CHIP C 4.7UF K		R48			RK73GB2A472J	CHIP R 4.7K J 1/10W	
C88			CK73GB1H103K	CHIP C 0.010UF K		R50			RK73GB2A101J	CHIP R 100 J 1/10W	
C89			CK73GB0J105K	CHIP C 1.0UF K		R51			RK73GB2A392J	CHIP R 3.9K J 1/10W	
C90,91			CK73GB1H102K	CHIP C 1000PF K		R52			RK73GB2A163J	CHIP R 16K J 1/10W	
C92			CK73GB0J475K	CHIP C 4.7UF K		R53			RK73GB2A123J	CHIP R 12K J 1/10W	
C93-98			CK73GB1C104K	CHIP C 0.10UF K		R54			RK73GB2A333J	CHIP R 33K J 1/10W	
C99			CC73GCH1H060D	CHIP C 6.0PF D		R55			RK73GB2A103J	CHIP R 10K J 1/10W	
C100			CC73GCH1H020C	CHIP C 2.0PF C		R56			RK73GB2A123J	CHIP R 12K J 1/10W	
C102			CK73GB0J225K	CHIP C 2.2UF K		R57,58			RK73GB2A133J	CHIP R 13K J 1/10W	
C103			CK73GB1H103K	CHIP C 0.010UF K		R59			RK73GB2A472J	CHIP R 4.7K J 1/10W	
CN1		*	E41-2083-15	FLAT CABLE CONNECTOR		R60			RK73GB2A123J	CHIP R 12K J 1/10W	
CN2			E41-2297-05	FLAT CABLE CONNECTOR		R61			RK73GB2A183J	CHIP R 18K J 1/10W	
X1			L77-2863-05	CRYSTAL RESONATOR (16.899M)		R62			RK73GB2A432J	CHIP R 4.3K J 1/10W	
X2			L78-1209-05	RESONATOR (26.88MHZ)		R63			RK73GB2A133J	CHIP R 13K J 1/10W	
CP1			RK74GA1J223J	CHIP-COM 22K J 1/16W		R64			RK73GB2A151J	CHIP R 150 J 1/10W	
CP2,3			RK74GA1J101J	CHIP-COM 100 J 1/16W		R65			RK73GB2A152J	CHIP R 1.5K J 1/10W	
CP4			RK74GA1J103J	CHIP-COM 10K J 1/16W		R67,68			RK73GB2A152J	CHIP R 1.5K J 1/10W	
CP5			RK74GA1J102J	CHIP-COM 1.0K J 1/16W		R69			RK73GB2A682J	CHIP R 6.8K J 1/10W	
CP7			RK74GB1J102J	CHIP-COM 1.0K J 1/16W		R70			RK73GB2A102J	CHIP R 1.0K J 1/10W	
CP10			RK74GB1J103J	CHIP-COM 10K J 1/16W		R71-73			RK73GB2A101J	CHIP R 100 J 1/10W	
CP11			RK74GB1J472J	CHIP-COM 4.7K J 1/16W		R108-110			RK73GH2A392D	CHIP R 3.9K D 1/10W	
CP14			RK74GA1J104J	CHIP-COM 100K J 1/16W		R111,112			RK73GH2A562D	CHIP R 5.6K D 1/10W	
CP16			RK74GB1J104J	CHIP-COM 100K J 1/16W		R113			RK73GH2A392D	CHIP R 3.9K D 1/10W	
CP17			RK74GA1J102J	CHIP-COM 1.0K J 1/16W		R114			RK73GH2A562D	CHIP R 5.6K D 1/10W	
CP18,19			RK74GA1J104J	CHIP-COM 100K J 1/16W		R115			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R1			RK73GB2A225J	CHIP R 2.2M J 1/10W		R116			RK73GH2A562D	CHIP R 5.6K D 1/10W	
R3			RK73GB2A223J	CHIP R 22K J 1/10W		R117			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R4			RK73GB2A102J	CHIP R 1.0K J 1/10W		R118,119			RK73GH2A100D	CHIP R 10 D 1/10W	
R5			RK73GB2A101J	CHIP R 100 J 1/10W		R120,121			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R6			RK73GH2A223D	CHIP R 22K D 1/10W		R122			RK73GH2A202D	CHIP R 2.0K D 1/10W	
R8			RK73GH2A393D	CHIP R 39K D 1/10W		R123			RK73GH2A102D	CHIP R 1.0K D 1/10W	
R9			RK73GB2A223J	CHIP R 22K J 1/10W		R124			RK73GB2A680J	CHIP R 68 J 1/10W	
R10			RK73GB2A101J	CHIP R 100 J 1/10W		R128,129			RK73GB2A101J	CHIP R 100 J 1/10W	
R11,12			RK73GB2A223J	CHIP R 22K J 1/10W		R130			RK73GB2A221J	CHIP R 220 J 1/10W	
R13			RK73GB2A102J	CHIP R 1.0K J 1/10W		R132			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R14,15			RK73GB2A223J	CHIP R 22K J 1/10W		R133			RK73GB2A561J	CHIP R 560 J 1/10W	
R17			RK73GB2A221J	CHIP R 220 J 1/10W		R134			RK73GH2A202D	CHIP R 2.0K D 1/10W	
R18			RK73GB2A102J	CHIP R 1.0K J 1/10W		R135			RK73GH2A102D	CHIP R 1.0K D 1/10W	
R19			RK73GB2A472J	CHIP R 4.7K J 1/10W		R137			RK73GB2A680J	CHIP R 68 J 1/10W	
R20			RK73GB2A102J	CHIP R 1.0K J 1/10W		R138			RK73GB2A471J	CHIP R 470 J 1/10W	
R21,22			RK73GB2A103J	CHIP R 10K J 1/10W		R139-141			RK73GH2A111D	CHIP R 110 D 1/10W	
R23,24			RK73GB2A223J	CHIP R 22K J 1/10W		R142			RK73GB2A6R8J	CHIP R 6.8 J 1/10W	
						R144			RK73GB2A222J	CHIP R 2.2K J 1/10W	
						R145			RK73GB2A102J	CHIP R 1.0K J 1/10W	

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.

# PARTS LIST

## CD PLAYER UNIT (X32-5730-00)

Ref. No.	Add	New	Parts No.	Description	Destination
R146			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R147,148			RK73GB2A103J	CHIP R 10K J 1/10W	
R150			RK73GB2A103J	CHIP R 10K J 1/10W	
R151			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R152			RK73GB2A221J	CHIP R 220 J 1/10W	
R153-155			RK73GB2A330J	CHIP R 33 J 1/10W	
S1,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	
D2			DA204U	DIODE	
D3			DAN202U	DIODE	
D4,5			MAZS0510L	ZENER DIODE	
D6			DAN202U	DIODE	
IC1			91CU27UG5UR8	MICROCONTROLLER IC	
IC2			UPD63712GC	MOS-IC	
IC4			BA5824FP	ANALOGUE IC	
IC5			NJM2886DL2-33	ANALOGUE IC	
IC13			NJM4580V-ZB	ANALOGUE IC	
IC14			TAR5S50-F	ANALOGUE IC	
IC15			CS7410-IQZ	MOS-IC	
IC16	*		HY57V1616TP7I	DRAM IC	
IC17	*		W400DB55N6E3U9	ROM IC	
IC18			PCM1793DB	MOS-IC	
IC19			S-1112B33MCG	ANALOGUE IC	
IC20			XC6219B182PR	ANALOGUE IC	
IC21			XC6219B332PR	ANALOGUE IC	
Q1			2SK3018	FET	
Q3			UMD9N	TRANSISTOR	
Q4			2SK3018	FET	
Q5			UMD9N	TRANSISTOR	
Q6			UMD12N	TRANSISTOR	
Q7			DTC124EUA	DIGITAL TRANSISTOR	
Q8			2SB0970(R)	TRANSISTOR	
Q9,10			DTC114YUA	DIGITAL TRANSISTOR	
Q11			2SK210(GR)	FET	
Q12			DTA143XUA	DIGITAL TRANSISTOR	
Q13			DTC143XUA	DIGITAL TRANSISTOR	
Q14			DTC114YUA	DIGITAL TRANSISTOR	
Q15			2SB0970(R)	TRANSISTOR	
<b>ELECTRIC UNIT (X34-356x-xx)</b>					
D451			B30-1566-05	LED (1608, RED)	
C1			C90-6743-05	ELECTRO 3900UF 16WV	K
C1			C90-6744-05	ELECTRO 3900UF 16WV	E1E2
C1	*		C90-6755-05	ELECTRO 3900UF 16WV	K1M1
C1	*		C90-6756-05	ELECTRO 3900UF 16WV	E3
C10			CK73FB1C105K	CHIP C 1.0UF K	
C11			CD04AY1A221M	ELECTRO 220UF 10WV	
C20			CD04BA0J101M	ELECTRO 100UF 6.3WV	
C21			C90-5692-05	ELECTRO 220UF 16WV	
C22			CK73GB1H103K	CHIP C 0.010UF K	
C23			CE32CL1C100M	CHIP EL 10UF 16WV	
C30			CK73GB1A474K	CHIP C 0.47UF K	
C31			CD04AY1A101M	ELECTRO 100UF 10WV	
C32			CK73GB1A474K	CHIP C 0.47UF K	

Ref. No.	Add	New	Parts No.	Description	Destination
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	
C44			CD04BA1C100M	ELECTRO 10UF 16WV	
C100			CK73GB1H104K	CHIP C 0.10UF K	
C102			CC73GCH1H220J	CHIP C 22PF J	
C103			CC73GCH1H180J	CHIP C 18PF J	
C104-106			CK73GB1H103K	CHIP C 0.010UF K	
C107			CK73GB1H102K	CHIP C 1000PF K	
C109-113			CK73GB1H103K	CHIP C 0.010UF K	
C114			CD04AS0J470M	ELECTRO 47UF 6.3WV	
C200,201			CK73GB1H103K	CHIP C 0.010UF K	
C202			CK73GB1H102K	CHIP C 1000PF K	
C203			CK73GB1H223K	CHIP C 0.022UF K	
C204			CK73GB1H103K	CHIP C 0.010UF K	
C205			CK73FB1C105K	CHIP C 1.0UF K	
C298			CK73GB1H104K	CHIP C 0.10UF K	
C300			CD04AS1C470M	ELECTRO 47UF 16WV	
C301			CD04AT1H010M	ELECTRO 1UF 50WV	
C302			CD04AS1H4R7M	ELECTRO 4.7UF 50WV	
C303,304			CD04AS1H3R3M	ELECTRO 3.3UF 50WV	
C305			CK73FB1C105K	CHIP C 1.0UF K	
C306			CK73GB1H103K	CHIP C 0.010UF K	
C307			CE32CL1C100M	CHIP EL 10UF 16WV	
C308,309			CD04AS1H2R2M	ELECTRO 2.2UF 50WV	
C310,311			CK73FB1E474K	CHIP C 0.47UF K	
C312			CK73GB1H152K	CHIP C 1500PF K	
C313			CK73GB1H103K	CHIP C 0.010UF K	
C314			CD04AS1C220M	ELECTRO 22UF 16WV	
C315			CK73GB1H152K	CHIP C 1500PF K	
C316			CK73GB1H103K	CHIP C 0.010UF K	
C317			CD04AS1C220M	ELECTRO 22UF 16WV	
C318,319			CK73GB1H104K	CHIP C 0.10UF K	
C320			CE32CL1C100M	CHIP EL 10UF 16WV	
C321-323			CK73GB1H104K	CHIP C 0.10UF K	
C324,325			CC73GCH1H060D	CHIP C 6.0PF D	
C326			CK73GB1H103K	CHIP C 0.010UF K	
C327-334			CD04AS1V100M	ELECTRO 10UF 35WV	
C335-340			CK73GB1H102K	CHIP C 1000PF K	
C341-346			CC73GCH1H821J	CHIP C 820PF J	
C347-350			CC73GCH1H221J	CHIP C 220PF J	
C351-354			CC73GCH1H181J	CHIP C 180PF J	
C355-360			CD04AT1C100M	ELECTRO 10UF 16WV	
C364,365			CD04AS1H010M	ELECTRO 1UF 50WV	
C366			CK73GB1H104K	CHIP C 0.10UF K	
C367			CE32CL1C100M	CHIP EL 10UF 16WV	
C368			CK73GB1H682K	CHIP C 6800PF K	
C369			CK73FB1C105K	CHIP C 1.0UF K	
C370			CK73GB1H104K	CHIP C 0.10UF K	
C371			CK73GB1A105K	CHIP C 1.0UF K	
C374			CK73GB1H104K	CHIP C 0.10UF K	
C376			CK73GB1H104K	CHIP C 0.10UF K	
C377			CK73GB1A105K	CHIP C 1.0UF K	
C378			CK73GB1H473K	CHIP C 0.047UF K	

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.

# PARTS LIST

## ELECTRIC UNIT (X34-356x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C379			CK73GB1H104K	CHIP C 0.10UF K		C756			CD04BA1C101M	ELECTRO 100UF 16WV	
C380			CK73GB1A105K	CHIP C 1.0UF K		C757			C90-6742-05	NP-ELECT 4.7UF 16WV	
C381			CK73GB1H473K	CHIP C 0.047UF K		C758			CK73GB1H103K	CHIP C 0.010UF K	
C382,383			CK73GB1A105K	CHIP C 1.0UF K		C759			CK73FB1C105K	CHIP C 1.0UF K	
C384			CK73FB1C105K	CHIP C 1.0UF K		C800-802			CD04AS1V100M	ELECTRO 10UF 35WV	
C385,386			CK73GB1H152K	CHIP C 1500PF K		C803			CK73GB1H104K	CHIP C 0.10UF K	
C387-392			CC73GCH1H101J	CHIP C 100PF J		C804			CK73GB1H103K	CHIP C 0.010UF K	
C393-395			CE32CL1C100M	CHIP EL 10UF 16WV		C805			CD04AS1C470M	ELECTRO 47UF 16WV	
C396,397			CC73GCH1H101J	CHIP C 100PF J		C806,807			CK73GB1H102K	CHIP C 1000PF K	
C398,399			CK73GB1H104K	CHIP C 0.10UF K		C808			CD04BA1C101M	ELECTRO 100UF 16WV	
C402			CK73GB1H103K	CHIP C 0.010UF K	KK1E1	C809			CC73GCH1H101J	CHIP C 100PF J	
C402			CK73GB1H103K	CHIP C 0.010UF K	E2E3	C812			CC73GCH1H471J	CHIP C 470PF J	
C403			CK73FB1A225K	CHIP C 2.2UF K	KK1E1	C813			CC73GCH1H101J	CHIP C 100PF J	
C403			CK73FB1A225K	CHIP C 2.2UF K	E2E3	C901			CK73EB1E105K	CHIP C 1.0UF K	
C404			CC73GCH1H331J	CHIP C 330PF J	KK1E1	C902			CD04BK1E101M	ELECTRO 100UF 25WV	
C404			CC73GCH1H331J	CHIP C 330PF J	E2E3	C903			CD04BF1E101M	ELECTRO 100UF 25WV	
C405			CD04AT1C100M	ELECTRO 10UF 16WV	KK1E1	C904			CK73GB1H102K	CHIP C 1000PF K	
C405			CD04AT1C100M	ELECTRO 10UF 16WV	E2E3	C905			CK73GB1H104K	CHIP C 0.10UF K	
C409,410			CK73GB1H103K	CHIP C 0.010UF K		C906,907			CK73EB1E105K	CHIP C 1.0UF K	
C414,415			CC73GCH1H100D	CHIP C 10PF D	KK1E1	C908			CD04BK1E101M	ELECTRO 100UF 25WV	
C414,415			CC73GCH1H100D	CHIP C 10PF D	E2E3	C909			CK73EB1E105K	CHIP C 1.0UF K	
C450-452			CK73GB1H104K	CHIP C 0.10UF K	E1E2E3	C910			CK73GB0J225K	CHIP C 2.2UF K	
C450-455			CK73GB1H104K	CHIP C 0.10UF K	KK1M1	C911			CK73GB1H332K	CHIP C 3300PF K	
C458			CK73GB1A105K	CHIP C 1.0UF K	KK1M1	C912			CK73GB1H103K	CHIP C 0.010UF K	
C500-504			CK73EB1A475K	CHIP C 4.7UF K		C913			CK73EB1E105K	CHIP C 1.0UF K	
C505			CK73GB1H103K	CHIP C 0.010UF K		C914			CD04BF1C221M	ELECTRO 220UF 16WV	
C506			CE32CL1C100M	CHIP EL 10UF 16WV		C916			CC73GCH1H221J	CHIP C 220PF J	
C550,551			CK73GB1H103K	CHIP C 0.010UF K		C917			CK73GB1H222K	CHIP C 2200PF K	
C600,601			CK73EB1E225K	CHIP C 2.2UF K		C918			CK73GB0J225K	CHIP C 2.2UF K	
C602			CK73GB1H103K	CHIP C 0.010UF K		C919			CK73EB1E105K	CHIP C 1.0UF K	
C603			CK73GB1H223K	CHIP C 0.022UF K		C920,921	*		CD04BF1C151M	ELECTRO 150UF 16WV	
C604			CD04AS1C220M	ELECTRO 22UF 16WV		C923			CK73GB1A105K	CHIP C 1.0UF K	
C605-608			CK73EB1E225K	CHIP C 2.2UF K		C955,956			CK73GB1H104K	CHIP C 0.10UF K	
C609			CD04BF1E101M	ELECTRO 100UF 25WV		C957-959			CK73GB1A105K	CHIP C 1.0UF K	
C610			CD04AS1C220M	ELECTRO 22UF 16WV		C960-962			CK73GB1H103K	CHIP C 0.010UF K	
C611			CE32CL1C100M	CHIP EL 10UF 16WV		C965			CK73GB1H103K	CHIP C 0.010UF K	
C612,613			CD04AT1C100M	ELECTRO 10UF 16WV		C969			CK73GB1H103K	CHIP C 0.010UF K	
C614,615			CE32CL1C100M	CHIP EL 10UF 16WV		C971			CK73GB1H103K	CHIP C 0.010UF K	
C616,617			CD04AT1C100M	ELECTRO 10UF 16WV		C973			CK73GB1A105K	CHIP C 1.0UF K	
C618,619			CE32CL1C100M	CHIP EL 10UF 16WV		C974,975			CK73GB1H102K	CHIP C 1000PF K	
C620,621			CD04AS1V100M	ELECTRO 10UF 35WV		C976			CK73GB1H104K	CHIP C 0.10UF K	
C622			CE32CL1C100M	CHIP EL 10UF 16WV		C982			CK73GB1H103K	CHIP C 0.010UF K	
C623-628			CK73GB1H102K	CHIP C 1000PF K		C983			CK73GB1A105K	CHIP C 1.0UF K	
C629			CK73FB1E474K	CHIP C 0.47UF K		C988,989			CK73GB1H103K	CHIP C 0.010UF K	
C630			CD04AT0J470M	ELECTRO 47UF 6.3WV		C990			CK73GB1H102K	CHIP C 1000PF K	
C631			CK73FB1E474K	CHIP C 0.47UF K		C996			CK73GB1A474K	CHIP C 0.47UF K	
C632			CK73GB1H103K	CHIP C 0.010UF K		CN5			E41-0944-05	PIN ASSY	K1E1E2
C633,634			CE32CL1C100M	CHIP EL 10UF 16WV		CN5			E41-0944-05	PIN ASSY	E3
C635-638			CK73GB1A105K	CHIP C 1.0UF K		CN450			E41-2259-05	PIN ASSY	
C701			CK73FB1E474K	CHIP C 0.47UF K		CN500			E41-2344-05	FLAT CABLE CONNECTOR	
C702			CD04AS0J470M	ELECTRO 47UF 6.3WV		CN550			E41-2352-05	FLAT CABLE CONNECTOR	
C703			CK73FB1E474K	CHIP C 0.47UF K		CN600	*		E41-2555-05	PIN ASSY	
C704			CK73GB1H103K	CHIP C 0.010UF K		J1			E58-0991-05	RECTANGULAR RECEPTACLE	
C750			CK73FB1C105K	CHIP C 1.0UF K	△	J2			E56-0855-05	CYLINDRICAL RECEPTACLE	
C752-755			C90-5700-05	NP-ELEC 4.7UF 16WV							

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.

# PARTS LIST

## ELECTRIC UNIT (X34-356x-xx)

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
W400			E30-6438-05	CORD WITH PLUG		R105			RK73GB2A101J	CHIP R 100 J 1/10W	
L1			L33-1988-05	CHOKE COIL ASSY		R106			RK73GB2A222J	CHIP R 2.2K J 1/10W	
L101			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)		R107			RK73GB2A473J	CHIP R 47K J 1/10W	
L400			L33-2260-05	CHOKE COIL		R109			RK73GB2A223J	CHIP R 22K J 1/10W	
L403			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)		R110			RK73GB2A102J	CHIP R 1.0K J 1/10W	
L405			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	KK1E1	R111			RK73GB2A104J	CHIP R 100K J 1/10W	
L405			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	E2E3	R112			RK73GB2A473J	CHIP R 47K J 1/10W	
L600			L41-2205-33	SMALL FIXED INDUCTOR (22U)		R113			RK73GB2A103J	CHIP R 10K J 1/10W	
L901			L33-2229-05	SMALL FIXED INDUCTOR		R114			RK73GB2A473J	CHIP R 47K J 1/10W	
L902			L33-2230-05	SMALL FIXED INDUCTOR		R115			RK73GB2A101J	CHIP R 100 J 1/10W	
L903		*	L33-2258-05	SMALL FIXED INDUCTOR		R117			RK73GB2A101J	CHIP R 100 J 1/10W	
L999		*	L33-2285-05	SMALL FIXED INDUCTOR		R118			RK73GB2A102J	CHIP R 1.0K J 1/10W	
X100			L78-0872-05	RESONATOR (12MHZ)		R119			RK73GB2A223J	CHIP R 22K J 1/10W	
X101			L77-2880-05	CRYSTAL RESONATOR		R121			RK73GB2A473J	CHIP R 47K J 1/10W	
X300			L77-2857-05	CRYSTAL RESONATOR (11.2896MHZ)		R122,123			RK73GB2A101J	CHIP R 100 J 1/10W	
X401			L77-2002-05	CRYSTAL RESONATOR	KK1E1	R125			RK73GB2A222J	CHIP R 2.2K J 1/10W	
X401			L77-2002-05	CRYSTAL RESONATOR	E2E3	R126			RK73GB2A101J	CHIP R 100 J 1/10W	
Q	2D		N83-3005-48	PAN HEAD TAPTITE SCREW		R127			RK73GB2A103J	CHIP R 10K J 1/10W	
T	2D		N80-3010-48	PAN HEAD TAPTITE SCREW		R128			RK73GB2A222J	CHIP R 2.2K J 1/10W	
V	2D		N83-3020-48	PAN HEAD TAPTITE SCREW		R129			RK73GB2A102J	CHIP R 1.0K J 1/10W	
CP100			RK74GB1J101J	CHIP-COM 100 J 1/16W		R130			RK73GB2A222J	CHIP R 2.2K J 1/10W	
CP101-103			RK74GA1J101J	CHIP-COM 100 J 1/16W	KK1M1	R131			RK73GB2A473J	CHIP R 47K J 1/10W	
CP101,102			RK74GA1J101J	CHIP-COM 100 J 1/16W	E1E2E3	R132,133			RK73GB2A472J	CHIP R 4.7K J 1/10W	
CP104			RK74GA1J102J	CHIP-COM 1.0K J 1/16W		R134			RK73GB2A101J	CHIP R 100 J 1/10W	
CP105			RK74GB1J101J	CHIP-COM 100 J 1/16W		R136-138			RK73GB2A104J	CHIP R 100K J 1/10W	
CP106			RK74GA1J103J	CHIP-COM 10K J 1/16W		R139			RK73GB2A473J	CHIP R 47K J 1/10W	
CP107			RK74GB1J102J	CHIP-COM 1.0K J 1/16W		R140			RK73GB2A104J	CHIP R 100K J 1/10W	
CP108			RK74GA1J222J	CHIP-COM 2.2K J 1/16W		R141,142			RK73GB2A473J	CHIP R 47K J 1/10W	
CP109			RK74GB1J101J	CHIP-COM 100 J 1/16W	KK1E1	R144,145			RK73GB2A101J	CHIP R 100 J 1/10W	
CP109			RK74GB1J101J	CHIP-COM 100 J 1/16W	E2E3	R146			RK73GB2A333J	CHIP R 33K J 1/10W	
CP110,111			RK74GA1J101J	CHIP-COM 100 J 1/16W		R147			RK73GB2A102J	CHIP R 1.0K J 1/10W	
CP300			RK74GB1J101J	CHIP-COM 100 J 1/16W		R148			RK73GB2A473J	CHIP R 47K J 1/10W	
R1			RK73EB2E102J	CHIP R 1.0K J 1/4W	K1E1E2	R149,150			RK73GB2A223J	CHIP R 22K J 1/10W	E1E2
R1			RK73EB2E102J	CHIP R 1.0K J 1/4W	E3M1	R154			RK73GB2A223J	CHIP R 22K J 1/10W	K1
R2,3			RK73EB2E103J	CHIP R 10K J 1/4W		R154-156			RK73GB2A223J	CHIP R 22K J 1/10W	K
R10			RK73GH2A243D	CHIP R 24K D 1/10W		R155			RK73GB2A223J	CHIP R 22K J 1/10W	E3
R11			RK73FB2B221J	CHIP R 220 J 1/8W		R155,156			RK73GB2A223J	CHIP R 22K J 1/10W	M1
R12			RK73GB2A153J	CHIP R 15K J 1/10W		R158			RK73GB2A223J	CHIP R 22K J 1/10W	E3M1
R13			RK73GH2A432D	CHIP R 4.3K D 1/10W		R159,160			RK73GB2A223J	CHIP R 22K J 1/10W	E1E2
R20			RK73FB2B203J	CHIP R 20K J 1/8W		R160			RK73GB2A223J	CHIP R 22K J 1/10W	KE3
R21			RK73GB2A223J	CHIP R 22K J 1/10W		R163			RK73GB2A104J	CHIP R 100K J 1/10W	
R22			RK73GB2A101J	CHIP R 100 J 1/10W		R164			RK73GB2A223J	CHIP R 22K J 1/10W	
R23			RK73FB2B272J	CHIP R 2.7K J 1/8W		R165,166			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R30			RK73FB2B102J	CHIP R 1.0K J 1/8W		R168			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R31			RK73FB2B152J	CHIP R 1.5K J 1/8W		R170-173			RK73GB2A223J	CHIP R 22K J 1/10W	
R40			RK73FB2B223J	CHIP R 22K J 1/8W		R176			RK73GB2A104J	CHIP R 100K J 1/10W	
R41			RK73FB2B182J	CHIP R 1.8K J 1/8W		R177			RK73GB2A223J	CHIP R 22K J 1/10W	
R42			RK73GB2A105J	CHIP R 1.0M J 1/10W		R178			RK73GB2A473J	CHIP R 47K J 1/10W	
R43			RK73GB2A104J	CHIP R 100K J 1/10W		R181			RK73GB2A473J	CHIP R 47K J 1/10W	
R46		*	RK73SB3A1R8J	CHIP R 1.8 J 1W		R183			RK73GB2A473J	CHIP R 47K J 1/10W	
R91,92			RK73GB2A104J	CHIP R 100K J 1/10W		R185			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R93			RK73FB2B431J	CHIP R 430 J 1/8W		R187			RK73GB2A473J	CHIP R 47K J 1/10W	
R100-104			RK73GB2A104J	CHIP R 100K J 1/10W		R200			RK73EB2E473J	CHIP R 47K J 1/4W	
						R201			RD14DB2H332J-T	SMALL-RD 3.3K J 1/2W	

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.

# PARTS LIST

## ELECTRIC UNIT (X34-356x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R202			RK73GB2A183J	CHIP R 18K J 1/10W		R457			RK73GH2A241D	CHIP R 240 D 1/10W	KK1M1
R203			RK73GB2A104J	CHIP R 100K J 1/10W		R458			RK73GH2A111D	CHIP R 110 D 1/10W	KK1M1
R204			RK73GB2A393J	CHIP R 39K J 1/10W		R500			RK73GB2A473J	CHIP R 47K J 1/10W	
R205			RK73GH2A103D	CHIP R 10K D 1/10W		R501			RK73EB2E101J	CHIP R 100 J 1/4W	
R206			RK73GB2A474J	CHIP R 470K J 1/10W		R502			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R207			RK73GB2A103J	CHIP R 10K J 1/10W		R503			RK73GB2A333J	CHIP R 33K J 1/10W	
R208			RK73EB2E101J	CHIP R 100 J 1/4W		R504,505			RK73GB2A473J	CHIP R 47K J 1/10W	
R209			RK73FB2B683J	CHIP R 68K J 1/8W		R506			RK73GB2A821J	CHIP R 820 J 1/10W	
R210			RK73GH2A243D	CHIP R 24K D 1/10W		R507			RK73GB2A104J	CHIP R 100K J 1/10W	
R211			RK73GH2A103D	CHIP R 10K D 1/10W		R508			RK73GB2A101J	CHIP R 100 J 1/10W	
R212			RK73GB2A223J	CHIP R 22K J 1/10W		R509			RK73EB2E103J	CHIP R 10K J 1/4W	
R213			RK73GB2A473J	CHIP R 47K J 1/10W		R510,511			RK73EB2E101J	CHIP R 100 J 1/4W	
R214			RK73GB2A104J	CHIP R 100K J 1/10W		R512,513			RK73GB2A334J	CHIP R 330K J 1/10W	
R215			RK73FB2B561J	CHIP R 560 J 1/8W	K1E1E2	R514			RK73EB2E101J	CHIP R 100 J 1/4W	
R215			RK73FB2B561J	CHIP R 560 J 1/8W	E3M1	R515			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R216			RK73GB2A223J	CHIP R 22K J 1/10W	KK1M1	R516			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R217			RK73SB3A471J	CHIP R 470 J 1W	KK1M1	R517			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R218,219			RK73FB2B472J	CHIP R 4.7K J 1/8W		R518,519			RK73GB2A103J	CHIP R 10K J 1/10W	
R300			RK73EB2E2R2J	CHIP R 2.2 J 1/4W		R520			RK73GB2A1R0J	CHIP R 1.0 J 1/10W	
R301			RK73GB2A103J	CHIP R 10K J 1/10W		R550			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R302,303			RK73GB2A471J	CHIP R 470 J 1/10W		R551			RK73GB2A471J	CHIP R 470 J 1/10W	
R304-307			RK73GB2A241J	CHIP R 240 J 1/10W		R552,553			RK73GB2A104J	CHIP R 100K J 1/10W	
R308-311			RK73GB2A103J	CHIP R 10K J 1/10W		R554			RK73GB2A471J	CHIP R 470 J 1/10W	
R312,313			RK73GB2A471J	CHIP R 470 J 1/10W		R600,601			RK73GB2A913J	CHIP R 91K J 1/10W	
R314-317			RK73GB2A241J	CHIP R 240 J 1/10W		R602			RK73GB2A103J	CHIP R 10K J 1/10W	
R318-321			RK73GB2A103J	CHIP R 10K J 1/10W		R603			RK73GB2A470J	CHIP R 47 J 1/10W	
R323-330			RK73GB2A221J	CHIP R 220 J 1/10W		R604			RK73GB2A274J	CHIP R 270K J 1/10W	
R331			RK73GB2A473J	CHIP R 47K J 1/10W		R605			RK73GB2A563J	CHIP R 56K J 1/10W	
R335,336			RK73GB2A101J	CHIP R 100 J 1/10W		R606			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R342-357			RK73GB2A272J	CHIP R 2.7K J 1/10W		R607			RK73GB2A470J	CHIP R 47 J 1/10W	
R358-361			RK73GB2A332J	CHIP R 3.3K J 1/10W		R608			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R362-364			RK73GB2A682J	CHIP R 6.8K J 1/10W		R609			RK73GB2A750J	CHIP R 75 J 1/10W	
R366			RK73GB2A682J	CHIP R 6.8K J 1/10W		R610			RK73GB2A182J	CHIP R 1.8K J 1/10W	
R367-374			RK73GB2A332J	CHIP R 3.3K J 1/10W		R611			RK73GB2A361J	CHIP R 360 J 1/10W	
R375-377			RK73GB2A473J	CHIP R 47K J 1/10W		R612			RK73GB2A820J	CHIP R 82 J 1/10W	
R378			RK73GB2A101J	CHIP R 100 J 1/10W		R613			RK73GB2A123J	CHIP R 12K J 1/10W	
R379			RK73GB2A562J	CHIP R 5.6K J 1/10W		R614			RK73GB2A103J	CHIP R 10K J 1/10W	
R381			RK73GB2A473J	CHIP R 47K J 1/10W		R615			RK73GB2A223J	CHIP R 22K J 1/10W	
R382,383			RK73GB2A102J	CHIP R 1.0K J 1/10W		R616			RK73GB2A103J	CHIP R 10K J 1/10W	
R384-389			RK73GB2A101J	CHIP R 100 J 1/10W		R617			RK73GB2A223J	CHIP R 22K J 1/10W	
R390			RK73FB2B100J	CHIP R 10 J 1/8W		R618			RK73GB2A820J	CHIP R 82 J 1/10W	
R391,392			RK73GB2A473J	CHIP R 47K J 1/10W		R619			RK73GB2A123J	CHIP R 12K J 1/10W	
R393			RK73GB2A101J	CHIP R 100 J 1/10W		R620,621			RK73GB2A361J	CHIP R 360 J 1/10W	
R394-396			RK73FB2B100J	CHIP R 10 J 1/8W		R622			RK73GB2A820J	CHIP R 82 J 1/10W	
R397			RK73GB2A103J	CHIP R 10K J 1/10W		R623			RK73GB2A123J	CHIP R 12K J 1/10W	
R398			RK73GB2A473J	CHIP R 47K J 1/10W		R624			RK73GB2A103J	CHIP R 10K J 1/10W	
R404			RK73GB2A223J	CHIP R 22K J 1/10W		R625			RK73GB2A223J	CHIP R 22K J 1/10W	
R405,406			RK73GB2A471J	CHIP R 470 J 1/10W		R626			RK73GB2A103J	CHIP R 10K J 1/10W	
R407,408			RK73GB2A472J	CHIP R 4.7K J 1/10W		R627			RK73GB2A223J	CHIP R 22K J 1/10W	
R409			RK73FB2B102J	CHIP R 1.0K J 1/8W		R628			RK73GB2A820J	CHIP R 82 J 1/10W	
R410-412			RK73GB2A222J	CHIP R 2.2K J 1/10W	KK1E1	R629			RK73GB2A123J	CHIP R 12K J 1/10W	
R410-412			RK73GB2A222J	CHIP R 2.2K J 1/10W	E2E3	R630,631			RK73GB2A361J	CHIP R 360 J 1/10W	
R450,451			RK73GB2A102J	CHIP R 1.0K J 1/10W		R632			RK73GB2A820J	CHIP R 82 J 1/10W	
R452			RK73GB2A241J	CHIP R 240 J 1/10W		R633			RK73GB2A123J	CHIP R 12K J 1/10W	
R453,454			RK73GB2A102J	CHIP R 1.0K J 1/10W	KK1M1	R634			RK73GB2A103J	CHIP R 10K J 1/10W	

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.

# PARTS LIST

## ELECTRIC UNIT (X34-356x-xx)

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R635			RK73GB2A223J	CHIP R 22K J 1/10W		R903			RK73GH2A103D	CHIP R 10K D 1/10W	
R636			RK73GB2A103J	CHIP R 10K J 1/10W		R904			RK73GB2A154J	CHIP R 150K J 1/10W	
R637			RK73GB2A223J	CHIP R 22K J 1/10W		R905			RK73GH2A563D	CHIP R 56K D 1/10W	
R638			RK73GB2A820J	CHIP R 82 J 1/10W		R906			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R639			RK73GB2A123J	CHIP R 12K J 1/10W		R907			RK73GB2A474J	CHIP R 470K J 1/10W	
R640			RK73GB2A361J	CHIP R 360 J 1/10W		R908			RK73GB2A473J	CHIP R 47K J 1/10W	
R641			RK73EB2E100J	CHIP R 10 J 1/4W		R909			RK73GB2A330J	CHIP R 33 J 1/10W	
R642			RK73EB2E4R7J	CHIP R 4.7 J 1/4W		R910			RK73GH2A243D	CHIP R 24K D 1/10W	
R643			RK73EB2E100J	CHIP R 10 J 1/4W		R911			RK73GH2A103D	CHIP R 10K D 1/10W	
R644			RK73GB2A102J	CHIP R 1.0K J 1/10W		R913			RK73GH2A163D	CHIP R 16K D 1/10W	
R655-660			RK73GB2A104J	CHIP R 100K J 1/10W		R914,915			RK73GH2A103D	CHIP R 10K D 1/10W	
R700			RK73EB2E472J	CHIP R 4.7K J 1/4W		R916			RK73GB2A474J	CHIP R 470K J 1/10W	
R701			RK73EB2E101J	CHIP R 100 J 1/4W		R917			RK73GB2A473J	CHIP R 47K J 1/10W	
R702			RK73EB2E472J	CHIP R 4.7K J 1/4W		R918			RK73GB2A330J	CHIP R 33 J 1/10W	
R703-707			RK73EB2E101J	CHIP R 100 J 1/4W		R919			RK73GH2A473D	CHIP R 47K D 1/10W	
R708			RK73EB2E100J	CHIP R 10 J 1/4W		R920			RK73GH2A103D	CHIP R 10K D 1/10W	
R709			RK73EB2E4R7J	CHIP R 4.7 J 1/4W		R922			RK73GB2A104J	CHIP R 100K J 1/10W	
R710			RK73EB2E100J	CHIP R 10 J 1/4W		R923			RK73GH2A243D	CHIP R 24K D 1/10W	
R711			RK73GB2A102J	CHIP R 1.0K J 1/10W		R924			RK73GH2A303D	CHIP R 30K D 1/10W	
R712			RK73EB2E102J	CHIP R 1.0K J 1/4W	KK1E1	R926			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R712			RK73EB2E102J	CHIP R 1.0K J 1/4W	E2E3	R990			RK73GB2A101J	CHIP R 100 J 1/10W	
R713-715			RK73EB2E471J	CHIP R 470 J 1/4W	KK1E1	R993			RK73FB2B103J	CHIP R 10K J 1/8W	
R713-715			RK73EB2E471J	CHIP R 470 J 1/4W	E2E3	R996			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R750			RK73GB2A104J	CHIP R 100K J 1/10W		R998,999	*		R92-5093-05	METAL GLAZE RESISTOR	
R752			RK73GB2A102J	CHIP R 1.0K J 1/10W		W201			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2E3
R755-758			RK73GB2A471J	CHIP R 470 J 1/10W		W401			R92-2053-05	CHIP R 0 OHM J 1/8W	
R759-762			RK73GB2A103J	CHIP R 10K J 1/10W		W751			R92-1252-05	CHIP R 0 OHM J 1/16W	
R763			RK73GB2A100J	CHIP R 10 J 1/10W		W983-989			R92-1252-05	CHIP R 0 OHM J 1/16W	
R764			RK73GB2A103J	CHIP R 10K J 1/10W		W993			R92-1252-05	CHIP R 0 OHM J 1/16W	
R765			RK73GB2A432J	CHIP R 4.3K J 1/10W		S1,2			S68-0886-05	PUSH SWITCH	
R766			RK73GB2A431J	CHIP R 430 J 1/10W		D1			S2V60*A	DIODE	
R767			RK73GB2A390J	CHIP R 39 J 1/10W		D20			RB160L-40	DIODE	
R768			RK73GB2A223J	CHIP R 22K J 1/10W		D21			UDZS5.6B	ZENER DIODE	
R770			RK73GB2A133J	CHIP R 13K J 1/10W		D30			HZU9.1(B1)-E	ZENER DIODE	
R771			RK73GB2A223J	CHIP R 22K J 1/10W		D31			UDZS8.2B	ZENER DIODE	
R772			RK73GB2A221J	CHIP R 220 J 1/10W		D40			UDZS5.6B	ZENER DIODE	
R800			RK73GB2A391J	CHIP R 390 J 1/10W		D41			02DZ11F-Y	ZENER DIODE	
R801			RK73GB2A242J	CHIP R 2.4K J 1/10W		D101			DA227	DIODE	
R803			RK73GH2A512D	CHIP R 5.1K D 1/10W		D102-104			DAP222	DIODE	
R804			RK73GH2A472D	CHIP R 4.7K D 1/10W		D200,201			DAP202U	DIODE	
R805,806			RK73GB2A102J	CHIP R 1.0K J 1/10W		D202			UDZS6.2B	ZENER DIODE	
R807			RK73GB2A103J	CHIP R 10K J 1/10W		D203			UDZS6.8B	ZENER DIODE	
R808			RK73GB2A113J	CHIP R 11K J 1/10W		D204			DAP202U	DIODE	
R809			RK73GB2A101J	CHIP R 100 J 1/10W		D205			UDZS6.8B	ZENER DIODE	
R810			RK73FB2B152J	CHIP R 1.5K J 1/8W		D206			02DZ4.7F-Y	ZENER DIODE	
R811			RK73GB2A104J	CHIP R 100K J 1/10W		D207			02DZ5.6F-Y	ZENER DIODE	K1E1E2
R812			RK73FB2B4R7J	CHIP R 4.7 J 1/8W		D207			02DZ5.6F-Y	ZENER DIODE	E3M1
R813			RK73GB2A332J	CHIP R 3.3K J 1/10W		D208,209			1SR154-400	DIODE	
R814,815			RK73GB2A101J	CHIP R 100 J 1/10W		D212,213			1SR154-400	DIODE	
R817			RK73GB2A100J	CHIP R 10 J 1/10W		D300			DA204U	DIODE	
R818			RK73GB2A8R2J	CHIP R 8.2 J 1/10W		D302,303			UDZS5.6B	ZENER DIODE	
R819-822			RK73GB2A9R1J	CHIP R 9.1 J 1/10W		D401			IMSA-6801-E	SURGE ABSORBER	
R823			RK73FB2B1R0J	CHIP R 1.0 J 1/8W		D500			DA204K	DIODE	
R901			RK73FB2B102J	CHIP R 1.0K J 1/8W		D501			STZ6.2N	ZENER DIODE	
R902			RK73GH2A303D	CHIP R 30K D 1/10W							

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.



# PARTS LIST

## ELECTRIC UNIT (X34-356x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
D502			DA204K	DIODE		Q31			2SB1184	TRANSISTOR	
D503			STZ6.2N	ZENER DIODE		Q32,33			2SC4081	TRANSISTOR	
D504			DA204U	DIODE		Q40			2SB1565	TRANSISTOR	
D505			DAP202U	DIODE		Q41			2SB1443	TRANSISTOR	
D506			STZ6.2N	ZENER DIODE		Q42			UMD12N	TRANSISTOR	
D600			UDZS5.6B	ZENER DIODE		Q43			UMC2N	TRANSISTOR	
D601			UDZS11B	ZENER DIODE		Q44			2SC4081	TRANSISTOR	
D608,609			STZ6.8N	ZENER DIODE		Q45			2SD2351(W)	TRANSISTOR	
D700-702			STZ6.2N	ZENER DIODE		Q51			UMC2N	TRANSISTOR	
D703,704			STZ6.8N	ZENER DIODE		Q91			2SD2351(W)	TRANSISTOR	
D750-753			1SR154-400	DIODE		Q100			2SA1576A	TRANSISTOR	
D754,755			DAP222	DIODE		Q101			DTC144EUA	DIGITAL TRANSISTOR	
D756-759			1SR154-400	DIODE		Q200,201			DTA124EUA	DIGITAL TRANSISTOR	
D800			UDZS6.8B	ZENER DIODE		Q202			2SC4081	TRANSISTOR	
D801			DA227	DIODE		Q203			2SA1576A	TRANSISTOR	
D802			UDZS16B	ZENER DIODE		Q204,205			2SC4081	TRANSISTOR	
D901			UDZS18B	ZENER DIODE		Q206			DTA123JK	DIGITAL TRANSISTOR	K1E1E2
D902			SFPB-54VNF	DIODE		Q206			DTA123JK	DIGITAL TRANSISTOR	E3M1
D903			HZU16(B1)-E	ZENER DIODE		Q207			DTC144EUA	DIGITAL TRANSISTOR	
D904			SFPB-54VNF	DIODE		Q208			2SB1188(Q,R)	TRANSISTOR	KK1M1
D905			RB060L-40	DIODE		Q209			DTC114YUA	DIGITAL TRANSISTOR	KK1M1
D998,999			RB451F	DIODE		Q300			DTA114EUA	DIGITAL TRANSISTOR	
IC1			XC6204B332MR	ANALOGUE IC		Q402			2SB1689	TRANSISTOR	
IC3,4			NJM2864F05-ZB	ANALOGUE IC		Q403			DTC124EUA	DIGITAL TRANSISTOR	
IC5			XC6204B332MR	ANALOGUE IC		Q450			DTC114YUA	DIGITAL TRANSISTOR	
IC10			M5237ML-CF0J	ANALOGUE IC		Q500			2SC4617	TRANSISTOR	
IC100			S-80836CNNB-J	MOS-IC		Q600			2SC4617	TRANSISTOR	
IC102		*	30625MWWPA46GP	MICROCONTROLLER IC		Q601			2SA1774	TRANSISTOR	
IC103			TC7W02FU-F	MOS-IC		Q602			2SC4617	TRANSISTOR	
IC104			BR24L04FV-W	ROM IC		Q603			2SA1576A	TRANSISTOR	
IC200			TPD1018F-F	ANALOGUE IC		Q604			2SC4081	TRANSISTOR	
IC300			E-TDA7415	ANALOGUE IC		Q605			2SA1576A	TRANSISTOR	
IC301,302			RC4580IDR	ANALOGUE IC		Q606			2SC4081	TRANSISTOR	
IC303			AK7730A	MOS-IC		Q607			2SB1443	TRANSISTOR	
IC304			TC74HC4050AFT	MOS-IC		Q608-613			DTC143TUA	DIGITAL TRANSISTOR	
IC305			AK4359VF	MOS-IC		Q800			DTA124EUA	DIGITAL TRANSISTOR	
IC306-308			RC4580IDR	ANALOGUE IC		Q801			2SA1774	TRANSISTOR	
IC400			E-TDA7479AD	ANALOGUE IC	KK1E1	Q802			2SC2873-F	TRANSISTOR	E2E3
IC400			E-TDA7479AD	ANALOGUE IC		Q901			2SB1443	TRANSISTOR	
IC450			LB1930M-E	ANALOGUE IC		Q902			2SC4081	TRANSISTOR	
IC451			MMA6261QR2	ANALOGUE IC	KK1M1	Q903			2SB1449(R)-E	TRANSISTOR	
IC500			RC4580IDR	ANALOGUE IC		Q904			2SD2351(W)	TRANSISTOR	
IC600			ICL7660SIBAZ	ANALOGUE IC		Q905,906			2SJ484-E	FET	
IC601-603			NJM4565V-ZB	ANALOGUE IC		Q907			UMG2N	TRANSISTOR	
IC750			E-TDA7560A	ANALOGUE IC		TH750			PRF21BE471QB2	POSITIVE RESISTOR	
IC800			RC4580IDR	ANALOGUE IC		A1			X86-3840-11	FRONT-END UNIT	KK1M1
IC901			BD9778HFP	ANALOGUE IC		A1			X86-3842-70	FRONT-END UNIT	E1E2E3
IC902		*	BD9851EFV	ANALOGUE IC		<b>CD MECHANISM ASSY (X92-5100-00)</b>					
Q10			2SB1565	TRANSISTOR		2	1B		A10-4827-32	CHASSIS	
Q11,12			UMC2N	TRANSISTOR		5	1B		D10-4576-83	ARM ASSY	
Q20			2SB1565	TRANSISTOR		8	2A		D10-4579-23	LEVER ASSY	
Q21			2SD2351(W)	TRANSISTOR		10	3A		D10-4581-13	ARM	
Q22			2SA1577	TRANSISTOR		11	2A		D10-4582-13	ARM	
Q23			DTC124EUA	DIGITAL TRANSISTOR		12	3A		D10-4583-03	ARM	
Q30			2SB1565	TRANSISTOR							

E1 : KDC-PSW9531Y E2 : KDC-PSW9531 E3 : XXV-01D (Europe type)  
K : KDC-MP928 K1 : XXV-01D (North America type) M1 : XXV-01D (Other Areas type)

△ Indicates safety critical components.

## PARTS LIST

### CD MECHANISM ASSY (X92-5100-00)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
13	3A		D10-4584-03	ARM							
14	3B		D10-4585-03	ARM							
15	2A		D10-4586-13	SLIDER							
16	3B		D10-4587-52	SLIDER							
17	3B		D10-4588-13	SLIDER							
18	3B		D10-4595-04	ARM							
19	3B		D10-4596-24	ARM							
22	2A		D13-2151-04	GEAR							
23	2B		D13-2152-04	GEAR							
24	3B		D13-2153-04	GEAR							
25	3B		D13-2154-04	GEAR							
26	3B		D13-2155-04	WORM							
27	3B		D13-2156-14	GEAR							
28	3B		D13-2157-04	GEAR							
29	3B		D13-2158-04	GEAR							
30	3B		D13-2168-04	GEAR							
31	3B		D13-2171-04	GEAR							
32	2B		D13-2172-13	RACK (GEAR)							
33	2A		D14-0759-04	ROLLER							
35	2B		D21-2382-04	SHAFT							
36	1A		D23-0954-04	RETAINER							
37	1B		D39-0246-05	DAMPER							
38	2B		G01-3072-04	EXTENSION SPRING							
39	2A		G01-3073-04	TORSION COIL SPRING							
40	2A		G01-3074-04	EXTENSION SPRING							
41	1B		G01-3075-24	EXTENSION SPRING							
42	2A		G01-3076-04	EXTENSION SPRING							
43	1B		G01-3077-14	EXTENSION SPRING							
44	2B		G02-1399-04	FLAT SPRING							
45	2B		G02-1408-04	FLAT SPRING							
51	1A		J21-9676-32	MOUNTING HARDWARE							
52	3B		J21-9677-22	MOUNTING HARDWARE							
53	1B		J21-9678-13	MOUNTING HARDWARE							
55	1A		J90-1001-11	GUIDE							
56	1B		J90-1023-03	GUIDE							
DFPC1	3A		J84-0141-05	FLEXIBLE PRINTED WIRING BOARD							
A	2B		N09-4460-05	TAPTITE SCREW (OVAL P TAPTIT)							
B	1B		N09-4472-15	MACHINE SCREW (M1.7X8.0)							
C	2B		N09-6004-05	MACHINE SCREW (M1.7X2.5 IB-L)							
E	2B		N09-6007-05	MACHINE SCREW (PAN M2X2)							
F	1A		N09-6051-05	TAPTITE SCREW (BIND P2X5)							
G	2A		N19-2163-04	FLAT WASHER							
H	1B		N39-2020-46	PAN HEAD MACHINE SCREW							
J	1B		N09-6108-05	MACHINE SCREW (M2X3.5TYPE3)							
K	3B		N09-6155-05	SEMS (TAPTITE SCREW) (PT2X6)							
DM1	3B		T42-1066-04	DC MOTOR ASSY (SP)							
DM2	2B		T42-1067-04	DC MOTOR ASSY (LO)							
DPU1	2B		X93-2010-00	OPTICAL PICKUP ASSY							

# SPECIFICATIONS

## KDC-PSW9531/PSW9531Y, XXV-01D (E)

### FM tuner section

Frequency range (Frequency step)	87.5MHz~108.0MHz (50kHz)
Usable sensitivity (S/N 26dB)	0.7 $\mu$ V/75 $\Omega$
Quieting sensitivity (S/N 46dB)	1.6 $\mu$ V/75 $\Omega$
Frequency response ( $\pm$ 3.0dB)	30Hz~15kHz
S/N	65dB (MONO)
Selectivity (DIN)	$\geq$ 80dB ( $\pm$ 400kHz)
Stereo separation	35dB (1kHz)

### MW tuner section

Frequency range (Frequency step)	531kHz~1611kHz (9kHz)
Usable sensitivity (S/N 20dB)	25 $\mu$ V

### LW tuner section

Frequency range	153kHz~281kHz
Usable sensitivity (S/N 20dB)	45 $\mu$ 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	10Hz~20kHz ( $\pm$ 1dB)
Total harmonic distortion	0.008% (1kHz)
S/N ratio	110dB (1kHz)
Dynamic range	93dB
Channel separation	96dB
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 power	50W x 4
PWR (DIN45324, +B=14.4V)	30W x 4
Preout level/Load-Unbalanced	5000mV/10k $\Omega$ (CD/CD-CH)
Preout impedance	$\leq$ 80 $\Omega$
Tone	
Band 1	60Hz~200Hz $\pm$ 9dB
Band 2	250Hz~1kHz $\pm$ 9dB
Band 3	1.25kHz~4kHz $\pm$ 9dB
Band 4	5kHz~16kHz $\pm$ 9dB
AUX input	
Frequency response	20Hz~20kHz $\pm$ 1dB
Input maximum voltage	1200mV
Input impedance	100k $\Omega$

### General

Operating voltage (11~16V allowable)	14.4V
Current consumption	10A
Installation size (W x H x D)	182 x 53 x 155mm
Weight	1.65kg (3.64lbs)

## KDC-MP928, XXV-01D (K)

### FM tuner section

Frequency range (Frequency step)	87.9MHz~107.9MHz (200kHz)
Channel space selection	50kHz/200kHz
Usable sensitivity (S/N 30dB)	9.3dBf (0.8 $\mu$ V/75 $\Omega$ )
Quieting sensitivity (S/N 50dB)	15.2dBf (1.6 $\mu$ V/75 $\Omega$ )
Frequency response ( $\pm$ 3.0dB)	30Hz~15kHz
S/N	70dB (MONO)
Selectivity	$\geq$ 80dB ( $\pm$ 400kHz)
Stereo separation	40dB (1kHz)

### AM tuner section

Frequency range (Frequency step)	530kHz~1700kHz (10kHz)
Channel space selection	9kHz/10kHz
Usable sensitivity (S/N 20dB)	28dB $\mu$ (25 $\mu$ 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	10Hz~20kHz ( $\pm$ 1dB)
Total harmonic distortion	0.008% (1kHz)
S/N ratio	110dB (1kHz)
Dynamic range	93dB
Channel separation	96dB
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 power	50W x 4
Full bandwidth power (at less than 1%THD)	22W x 4
Preout level/Load-Unbalanced	5000mV/10k $\Omega$ (CD/CD-CH)
Preout impedance	$\leq$ 80 $\Omega$
Tone	
Band 1	60Hz~200Hz $\pm$ 9dB
Band 2	250Hz~1kHz $\pm$ 9dB
Band 3	1.25kHz~4kHz $\pm$ 9dB
Band 4	5kHz~16kHz $\pm$ 9dB
AUX input	
Frequency response	20Hz~20kHz $\pm$ 1dB
Input maximum voltage	1200mV
Input impedance	100k $\Omega$

### 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 6-1/10 in)
Weight	1.65kg (3.64lbs)

## SPECIFICATIONS

### XXV-01D (M)

#### FM tuner section

Frequency range (Frequency step)	
..... 87.5MHz~108.0MHz (50kHz)	
..... 87.9MHz~107.9MHz (200kHz)	
Channel space selection	50kHz/200kHz
Usable sensitivity (S/N 30dB)	9.3dBf (0.8 $\mu$ V/75 $\Omega$ )
Quieting sensitivity (S/N 50dB)	15.2dBf (1.6 $\mu$ V/75 $\Omega$ )
Frequency response ( $\pm$ 3.0dB)	30Hz~15kHz
S/N	70dB (MONO)
Selectivity	$\geq$ 80dB ( $\pm$ 400kHz)
Stereo separation	40dB (1kHz)

#### AM tuner section

Frequency range (Frequency step)	
..... 531kHz~1611kHz (9kHz), 530kHz~1700kHz (10kHz)	
Channel space selection	9kHz/10kHz
Usable sensitivity (S/N 20dB)	28dB $\mu$ (25 $\mu$ 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	10Hz~20kHz ( $\pm$ 1dB)
Total harmonic distortion	0.008% (1kHz)
S/N ratio	110dB (1kHz)
Dynamic range	93dB
Channel separation	96dB
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 power	50W x 4
Full bandwidth power (at less than 1%THD)	22W x 4
Preout level/Load-Unbalanced	
.....	5000mV/10k $\Omega$ (CD/CD-CH)
Preout impedance	$\leq$ 80 $\Omega$
Tone	
Band 1	60Hz~200Hz $\pm$ 9dB
Band 2	250Hz~1kHz $\pm$ 9dB
Band 3	1.25kHz~4kHz $\pm$ 9dB
Band 4	5kHz~16kHz $\pm$ 9dB
AUX input	
Frequency response	20Hz~20kHz $\pm$ 1dB
Input maximum voltage	1200mV
Input impedance	100k $\Omega$

#### General

Operating voltage (11~16V allowable)	14.4V
Current consumption	10A
Installation size (W x H x D)	182 x 53 x 155mm
Weight	1.65kg (3.64lbs)

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KENWOOD follows a policy of continuous advancements in development.

For this reason specifications may be changed without notice.

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