CD RECEIVER

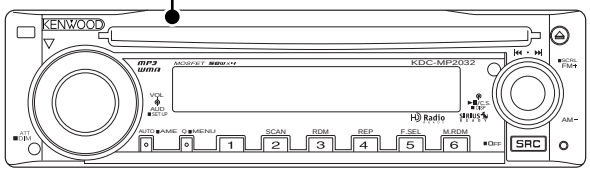
KDC-MP2032
KDC-MP232
KDC-MP4033/S
KDC-W4534/Y
SERVICE MANUAL

KENWOOD

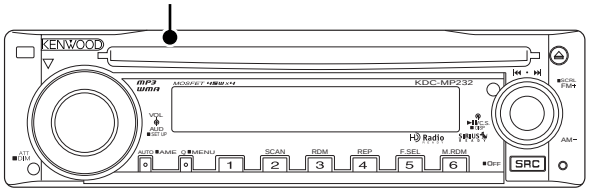
Kenwood Corporation

B53-0343-00 (N) 1699

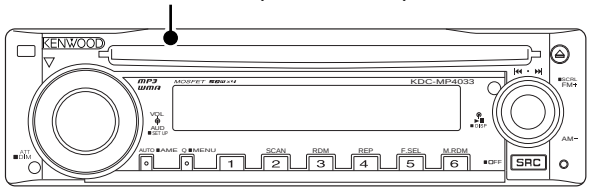
Panel assy
KDC-MP2032 (A64-3788-02)



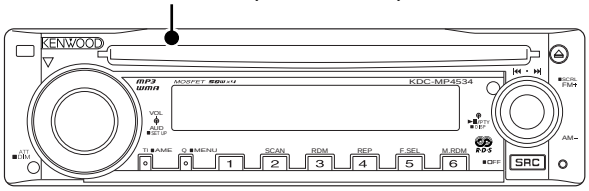
Panel assy
KDC-MP232 (A64-3797-02)



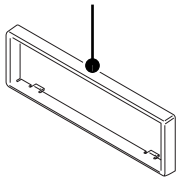
Panel assy
KDC-MP4033 (A64-3789-02)
KDC-MP4033S (A64-3790-02)



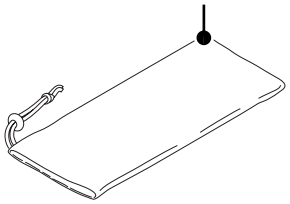
Panel assy
KDC-W4534/Y (A64-3791-02)



* Escutcheon
(B07-xxxx-xx)



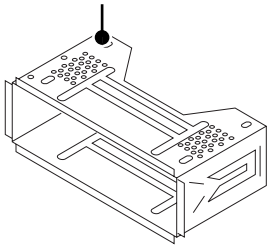
* Carrying case
(W01-1661-05)



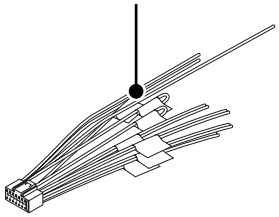
SPARE TDF PANEL

MAIN UNIT NAME	TDF PARTS No.	TDF NAME
KDC-MP2032	Y33-2410-60	TDF-MP62DB
KDC-MP232	Y33-2410-61	TDF-MP62D
KDC-MP4033	Y33-2410-63	TDF-MP4033
KDC-MP4033S	Y33-2410-64	TDF-MP4533
KDC-W4534	Y33-2410-65	TDF-W4534
KDC-W4534Y	Y33-2410-65	TDF-W4534

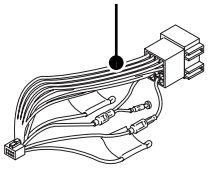
Mounting hardware assy
(J21-9716-03)



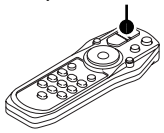
* DC cord
(E30-6415-15)



* DC cord
(E30-6427-05)



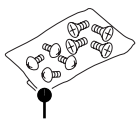
* Remote controller assy (RC-517)
(A70-2069-15)



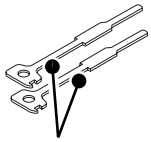
Battery
(Not supplied)

* Screw (4x16)
(N84-4016-48)

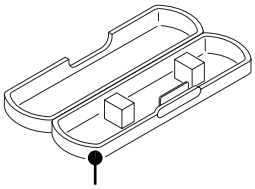
* Antenna adaptor
(T90-0523-05)



* Screw set
(N99-1757-05)



Lever
(D10-4589-04) x2

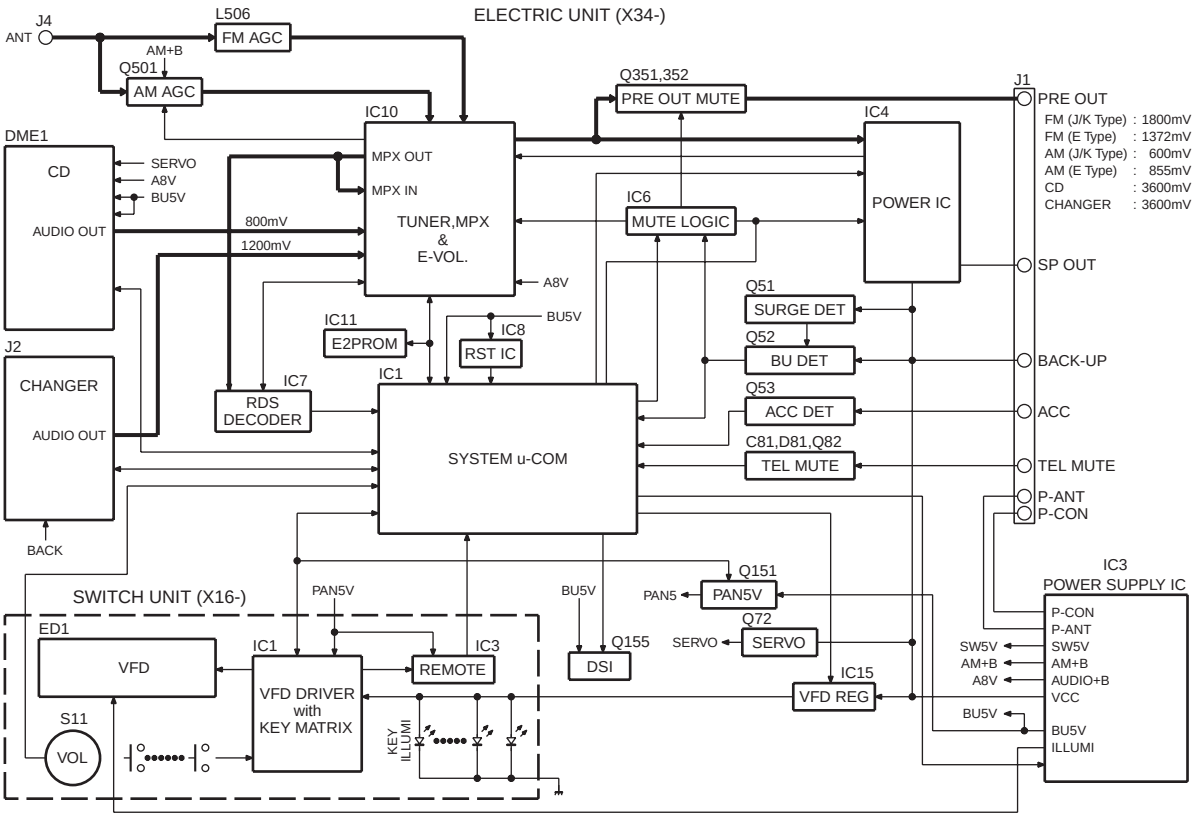


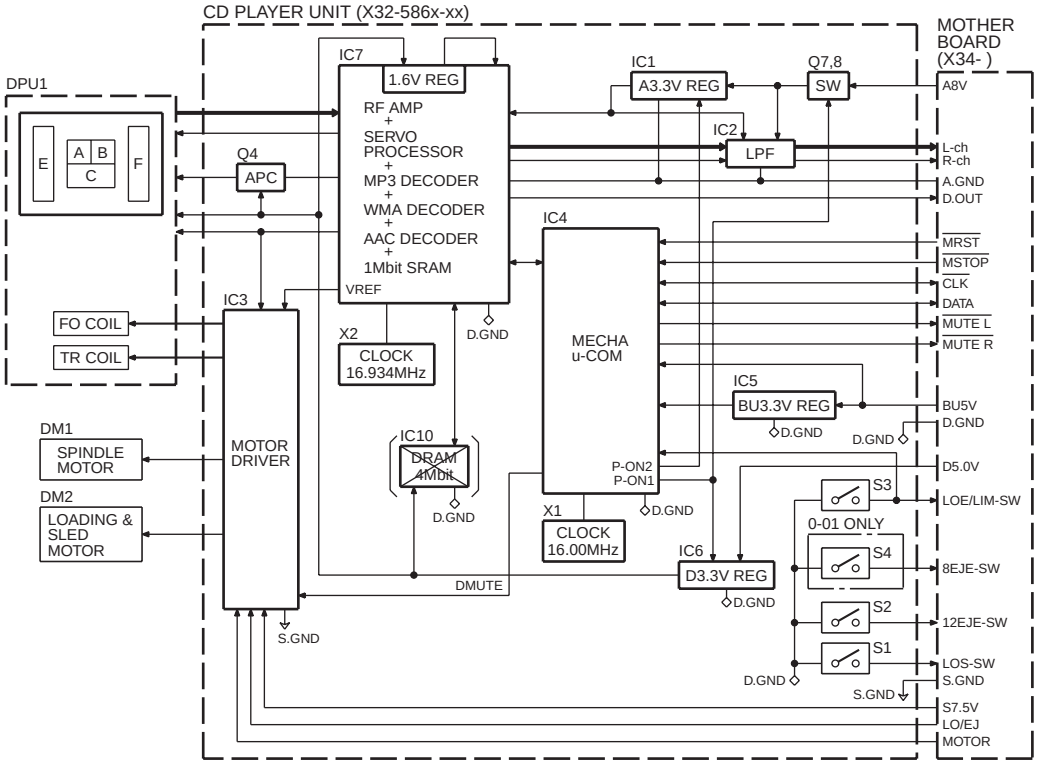
* Plastic cabinet assy
(A02-2736-03)

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

This product uses Lead Free solder.

BLOCK DIAGRAM





COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-416x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	System μ-COM	System controller.
IC3	Power Supply IC	DC5Vx2, 7.9Vx1, 8.1Vx1, 10.2Vx1, P-CON, P-ANT output.
IC4	Power IC	Signal amplifier.
IC6	Mute logic IC	Controls for mute action.
IC7	RDS Decoder	RDS decoder.
IC8	Reset IC	"L" : detection voltage below 3.6V.
IC10	E-VOL & Tuner	E-VOL, Tuner, Stereo decoder.
IC11	E2PROM	Saves & Loads for tuner adjustment data.
IC15	Regulator IC	Outputs 11.3V for LED and VFD.
Q51	Serge Det.	ON when the base goes "Hi".
Q52	B.U. Det.	ON when the base goes "Hi" during BU applied.
Q53	ACC Det.	ON when the base goes "Hi" during ACC applied.
Q71	Control SW for SERVO+B	ON when the base goes "Hi".
Q72	SERVO+B AVR	Outputs voltage 7.5V.
Q74	Control SW for IC3	ON when the base goes "Hi". Output voltage is 10.3V.
Q151	Panel 5V SW	ON when the base goes "Lo".
Q155	DSI ILLUMI SW	ON when the base goes "Lo".
Q252	STANDBY SW for IC4	ON when the base goes "Lo".
Q330	Mute driver for Q351, Q352	ON when the base goes "Lo".
Q351	Mute SW for Lch PRE OUT	Audio pre-output is muted when the base goes "Hi".
Q352	Mute SW for Rch PRE OUT	Audio pre-output is muted when the base goes "Hi".
Q501	AM RF Amplifier	Adjusts for Gain.

● SWITCH UNIT (X16-350x-xx)

Ref. No.	Application / Function	Operation / Condition
IC1	VFD DRIVER	
IC3	REMOTE SENSOR	
Q1	GREEN LED SW	"ON" when the base goes "H".
Q2	RED LED SW	"ON" when the base goes "H".
Q21	PAN SW5V	"ON" when the base goes "H".

● DAUGHTER UNIT (X89-2690-10) : KDC-MP2032 only

Ref. No.	Application / Function	Operation / Condition
Q221,222	2-PREOUT MUTE	"ON" when the base goes "H".
Q225	2-PREOUT MUTE	"ON" when the base goes "H".

● CD PLAYER UNIT (X32-5860-00)

Ref. No.	Application / Function	Operation / Condition
IC1	A3.3V regulator	Power supply for audio 3.3V
IC2	Ope amp for low-pass filter	
IC3	4ch BTL driver	Driving spindle motor and loading/ejection operation
IC4	Mechanism μ-com	

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition
IC5	BU 3.3V regulator	Power supply for backup 3.3V
IC6	D3.3V regulator	Digital 3.3V power supply
IC7	Audio DAC built-in servo DSP	MP3, WMA, and AAC compatible
IC11	Buffer IC	Level shift
Q1	A3.3V discharge circuit	
Q4	Current amp	Adjusts current to be sent to laser
Q5,6	SW 5V	
Q7,8	SW 8V	
D1	For current amp	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● **SYSTEM μ-COM : IC1 on X34- (ELECTRIC UNIT)**

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing/Operation/Description
1	DCERR	I	DC offset error detection input		
2	LINE MUTE	I	Phone detection		TEL mute: 1V or lower NAVI mute: 2.5V or higher
3	ROTARY CW	I	Rotary encoder input		
4	AVSS	-			
5	TUNER TYPE1	I	E-VOL setting switching	①	Refer to the truth value table
6	TUNER TYPE2	I	E-VOL setting switching	①	Refer to the truth value table
7	AVREF1	-			
8	VFD DATAF	I	Data input from VFD driver		
9	VFD DATAS	O	Data output to VFD driver		
10	VFD CLK	O	CLK output to VFD driver		
11	$\overline{\text{VFD RST}}$	O	Reset output to VFD driver		L: Display off, key reset, panel detached H: Display on, key scan
12	VFD CE	O	CE output to VFD driver		
13	ROTARY CCW	I	Rotary encoder input		
14	$\overline{\text{TDF DET}}$	I	Panel detection		H: Panel detached, L: Panel attached
15	$\overline{\text{PWIC BEEP}}$	O	Beep output		
16	LX DATA S	I	Data from slave unit		
17	LX DATA M	O	Data to slave unit		
18	LX CLK	I/O	LX-BUS clock		
19	RDS AFSL	O	Tuner RDS mute output	②	Refer to the truth value table
20	$\overline{\text{TUNER ADJ}}$	I	For IC10 adjustment		ADJ=H PS1-1, 2=L PS1-3=Hi-Z, PS2-1, 2=Hi-Z Tuner data, CLK=Hi-Z
21	TUNER SD	I	Tuner search stop input		H: Station found, L: Station not found

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing/Operation/Description
22	LX RST	O	Forced reset to slave unit		H: Reset, L: Normal
23	LX CON	O	Start-up request to slave unit		H: Slave unit ON, L: Slave unit OFF
24	LX REQ M	O	Communication request to the slave unit		
25	AUD SDA	I/O	E-VOL and tuner I2C data input/output		
26	AUD SCL	I/O	E-VOL and tuner I2C CLK output		
27	PWIC STBY	O	Power IC STBY output		H: Power IC ON, L: Power IC OFF
28	VOL MUTE	O	E-VOL mute output		L: Mute OFF, Hi-Z: ON
29	$\overline{\text{PWIC MUTE}}$	O	Power IC mute output		L: Power OFF, STANDBY, or TEL mute.
30	TUNER FANC OUT	O	Tuner block (in μ-com) check		L: E2P OK, H: NG
31	RESET2	O	Mute for reset		Output L
32	RDS DATA	I	RDS decoder data input		
33	VSS1	-			
34	RDS QUAL	I	RDS decoder QUAL input		
35	$\overline{\text{ACC DET}}$	I	ACC detection		L: ACC ON, H: ACC OFF
36	$\overline{\text{BU DET}}$	I	Momentary power down detection		L: BU found, H: BU not found (momentary power down)
37	$\overline{\text{PON}}$	I/O	SW5V/SW14V control		L: ON, Hi-Z: OFF
38	PS2-2	O	Power Supply control output 2-2	③	Refer to the truth value table
39	PS2-1	O	Power Supply control output 2-1	③	Refer to the truth value table
40	PS1-1	O	Power Supply control output 1-1	③	Refer to the truth value table
41	PS1-2	O	Power Supply control output 1-2	③	Refer to the truth value table
42	PS1-3	O	Power Supply control output 1-3	③	Refer to the truth value table
43	NC	-			
44	PON CD	I/O	Power supply control for MP3		L: ON, Hi-Z: OFF
45	CD MUTE	I	CD mute request		L: Mute request
46	$\overline{\text{CD MSTOP}}$	O	CD mechanism μ-com stop		H: Mechanism μ-com in operation, L: Mechanism μ-com stopped
47	CD LOE LIM SW	I	CD detection (chucking SW)		H: Loading completed, L: Disc not found
48	CD LOEJ	I/O	CD motor control	④	Refer to the truth value table
49	CD MOTOR	O	CD motor control	④	Refer to the truth value table
50	NC	-			
51	$\overline{\text{CD MRST}}$	O	CD mechanism μ-com reset		H: Normal, L: Reset
52	CD SCL	I/O	CD mechanism I2C clock output		
53	CD DISC12 SW	I	12cm disc detection		
54	CD LOS SW	I	CD loading detection		
55	CD SDA	I/O	CD mechanism I2C clock input/output		
56	OEM DISP CE	I/O	External display CE		External display
57	OEM DISP CLK	I/O	External display CLK		External display
58	OEM DISP DATA	I/O	External display DATA		External display
59	DSI	O	DSI control		H: DSI ON, L: DSI OFF TDF DET=blink when H
60	RESET	-			
61	NC	-			
62	$\overline{\text{PON FL}}$	O	VFD power supply ON		H: ON, L: OFF L: When TDF DET is H, H: When TDF DET is L

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing/Operation/Description
63	KEY REQ	I	Communication request from VFD driver		L: Key input
64	RDS CLK	I	RDS decoder CLK input		
65	REMO	I	Remote control input		
66	LX REQ S	I	Communication request from slave unit		
67	VSS0	-			
68	VDD1	-			
69,70	X2,X1	-			
71	TEST	-			
72,73	XT2,XT1	-			
74	VDD0	-			
75	AVDD	-			
76~78	TYPE 3~1	I	Destination switching	⑤	Refer to the truth value table
79	RDS NOISE	I	Tuner Quality (Noise) input		
80	TUNER SMETER	I	Tuner S meter input		

TRUTH VALUE TABLE

① TUNER TYPE

Model	TYPE 1	TYPE 2
KENWOOD brand model (initial value)	L	L
OEM model (with CRSC changed)	L	H
KENWOOD brand model (with CRSC changed)	H	L
KENWOOD brand model (to support test-driving in EU)	H	H

② RDS AFSL (AF search)

High	Normal condition communication (IC10 side : High) (Quality time constant long / Stereo Decoder PLL : Not hold)
Low	AF search (IC10 side : Middle) (Quality time constant short / Stereo Decoder PLL : Hold)

③ POWER SUPPLY IC (IC3) CONTROL

SEL1 (Pin No. 11)

PS1-2	PS1-3	PS2-1	ILLUMI	P-CON	P-ANT
L	L	L	OFF	OFF	OFF
L	L	H	ON	OFF	OFF
H	L	H	ON	ON	OFF
H	H	H	ON	ON	ON

SEL2 (Pin No. 12)

PS1-1	PS2-2	AUDIO	SW5	AM
L	L	OFF	OFF	OFF
H	L	ON	ON	OFF
H	H	ON	ON	ON

④ CD MECHA CONTROL OPERATION

CD LOEJ	CD MOTOR	CD MECHA OPERATION
L	H	Load
H	H	Eject
Hi-Z	L	Stop
Hi-Z	H	Brake

⑤ DESTINATION

TYPE 3 (pin 76)	TYPE 2 (pin 77)	TYPE 1 (pin 78)	DESTI NATION	MODEL
0	0	0	K	KDC-232MR/MP2032/ MP232
0	0	1	E	KDC-W4534/Y
0	1	0	M	KDC-MP4033/MP4033S/ MP4533
0	1	1	-	-
1	0	0	-	-
1	0	1	-	-
1	1	0	-	-
1	1	1	-	-

MICROCOMPUTER'S TERMINAL DESCRIPTION

● MECHANISM μ-COM : IC4 (X32- : CD PLAYER UNIT)

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

MICROCOMPUTER'S TERMINAL DESCRIPTION

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

TEST MODE

● How to enter the test mode

Press and hold the [1] and [3] keys and reset.
(While "– – – –" is being displayed, power can be ON for 30 minutes.)

● How to clear the test mode

Reset. (Not cancelled by Power OFF or ACC OFF.)

● Test mode default condition

- Source is STANDBY.
- Display lights are all turned on.
- The volume is at -10dB (The display is 30).
- LOUD is OFF.
- CRSC is off regardless of the availability of switching function.
- SYSTEM Q is NATURAL (=FLAT).
- BEEP always functions when the key is pressed while in sources other than STANBY.

● Specification of test mode for tuner

K3I forced switching

- [6] key in TUNER mode switches AUTO → forced narrow → forced middle → forced wide.
- When K3I AUTO, if PTY dot is off, filter value read from FAST4 is displayed. If force-set, PTY dot is lit and the setting value is displayed. ("Forced/AUTO" is determined by the PTY dot being on or off.)
  Wide : "FMW 98.1"
  Middle : "FMM 98.1"
  Narrow : "FMN 98.1"

RDS automatic measurement (KDC-W4534/Y only)

- TUNER mode [4] key frequency shall be 98.3MHz.
- When RDS data ("RDS TEST") is received, P.CON is set to OFF.

● CD receiver test mode specification

- Display mode default setting shall be P-TIME.
- Forced ejection is prohibited while reset-starting. Note that CD is not to be recognized by reset while it is inserted.
- Jumps to the next tracks by pressing the [▶▶I] key.
  No.9 → No.15 → No.10 → No.11 → No.12 → No.13 → No.22 → No.14 → No.9 (Recursive)
  Note that when playing a MP3 / WMA / AAC disc with 8 files or less, the disc is played from the 1st track in the regular order.
- Pressing the [I◀◀] key goes back by 1 track from the track being played.
- When CD is the source, press the [1] key to jump to No.28.
- When CD is the source, press the [2] key to jump to No.14.
- When CD is the source, press the [6] key to jump to No.15. At this time, the volume value is set to 25.

● AUDIO adjust mode

- Press the [AUD] key and enter the audio adjustment mode.
- Press the remote control [∗] key and [AUD] key to go into the audio adjustment mode.
- Both AUDIO FUNCTION MODE and SETUP MODE adjustment items are included.
- By pressing [AUD] and [FM] keys, switch the item to be adjusted in the following order. (Only in forward rotation)
  The default item shall be Fader, and then the item is forwarded in the following order: Balance → Bass Level → Middle Level → Treble Level.
- Continuous forwarding by remote control is prohibited.
- Fader is adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 3 steps: R15 ↔ 0 ↔ F15. (Default value: 0)
- Balance is adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 3 steps: L15 ↔ 0 ↔ R15. (Default value: 0)
- Bass/Middle/Treble are adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 3 steps: -8 ↔ 0 ↔ +8. (Default value: 0)
- Volume Offset is adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 2 steps: -8 ↔ 0. (Default value: 0)
- Loudness ON/OFF is adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 2 steps: OFF ↔ ON. (Default value: OFF)

● MENU

- Press [Q] key to enter the MENU.
- Press the remote control [DNPP/SBF] key to enter the MENU.
- Continuous forwarding by remote control is prohibited.

● Backup current measurement

If reset while in Acc OFF (Back Up ON) condition, MUTE terminal goes off 2 seconds later, rather than 15 seconds.
(During this time, the CD mechanism does not function.)

● Fluorescent indicator tube (ED1) short-checking

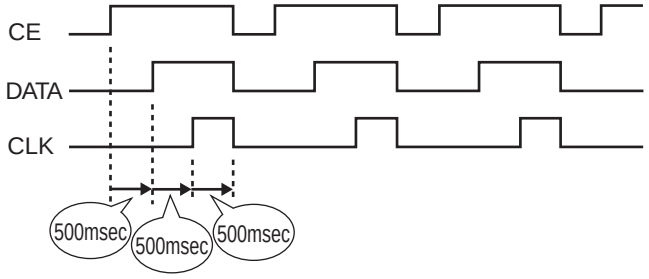
- When the source is STANDBY, press [ATT] key to switch the process in the following order.
  1. All lights off.
  2. Every 125m sec, light the odd and even number of the grid with the largest numbers.
  3. Light only odd number terminals.
  4. Light only even number terminals.
  5. All lights on.
     ∗After the step 5 above, the process goes back to the step 1 and then repeats the steps.

TEST MODE

● OEM display communication

OEM display communication line while in test mode outputs the following.

(Communication line output condition is switched every 500m sec.)



● Initializing AUDIO-related setting value

Press the [▶▶I] key in the STANDBY source and reset the AUDIO setting value to the test mode default value.

● Other

- When Power ON, do not display “CODE_OFF” and “CODE_ON”.
- When the source is STANDBY, press [AUTO] or [TI] key to switch key illumination GREEN/RED.
  (in the model with ILLUMI switching function)
- When started in Test Mode, duration of prohibiting LINE MUTE shall be changed from 10 seconds to 1 second.
- While in Test Mode, serial number is not written with a serial-number-writing jig.
- When in Test Mode, when DC offset error detection is run, the detection information is not written into the E2PROM.
- DEMO mode shall not be operated while in Test Mode, CD Mechanism Error Log Data Clearing Mode, or DC Offset Error Detection Data Clearing Mode.

● Special displays while all lights are on

When all indicators are on with STANDBY source, if the following keys are pressed, the following messages are displayed.

[1] key	Version is displayed (forwarding) (Display) TYPE: x___ → 070710: 10 → All indicators are on. (“x” is displayed in hexadecimals.) Date (xxxx) Time (xx: xx) ∗TYPE indicates μ-com destination, and shows real-time condition of the destination terminal
[2] key	Serial No. is displayed (8 digits) (Display) x x x x x x x x
[3] key	Key pressed: Power ON time is displayed. While Power ON time is displayed, press and hold for 2 seconds or longer to clear the Power ON time. (Display) PON_0H x x (00~50 is displayed for “xx”.) x x x x x (00001-10922 is displayed for “xxxxxx”.) MAX 10922 (hours)
[4] key	Key pressed: CD operation time is displayed. While CD operation time is displayed, press and hold for 2 seconds or longer to clear the CD operation time. (Display) CDT_0H x x (00~50 is displayed for “xx”.) x x x x x (00001-10922 is displayed for “xxxxxx”.) MAX 10922 (hours)
[5] key	Key pressed: Number of CD EJECT times is displayed. While the CD EJECT times is displayed, press and hold for 2 seconds or longer to clear the CD EJECT time. (Display) EJC x x x x x MAX 65535 (times)
[6] key	Key pressed: Number of times panel is opened/closed is displayed. While the number of times panel is opened/closed is displayed, press and hold for 2 seconds or longer to clear the value. (Display) PC_ x x x x x MAX 65535 (times)
[FM] key	ROM correction version is displayed. When not written in: ROM_R – – – (Display) ROM_R123 When data not matching ROM_R ∗ ∗ ∗
[AM] key	FAST4 adjustment status • “E2P_OK” : Adjustment completed • “E2P_ER” : E2PROM values are still default (not determined). • “I2C_ER” : Cannot communicate with FAST4/EEPROM. ∗ If “E2P_OK”, Pin30 (TUN FANC OUT) should be output as “H”.
[▶▶I] key	Audio data initialization (Display) AUD_INIT
[I◀◀] key	Key pressed: Forced Power OFF data displayed. While the forced power OFF data is displayed, press and hold for 2 seconds or longer to clear the data. (Display) POFF_ – – – (No Forced Power OFF) SEC (Forced Power OFF because of missing Security Code) PNL (Forced Power OFF because of system μ-com panel communication error)
[▶II] key	Key pressed: CD information display mode ON/OFF While in CD information display mode, press and hold for 2 seconds or longer to clear all CD information ∗ Please refer to the following “CD information display mode”.

TEST MODE

CD information display mode

[AM] key	I2C communication condition display (Display) I2C_OK__ NG
↑	CD mechanism error log display [switched by [I◄◄] / [►►I] keys] (Display) MCERR1: x x ↔ MCERR2: x x ↔ MCERR3: x x ↔ MCERR1: x x ↔ (For “xx”, “–” or the error code is displayed.)
	CD loading error log display [switched by [I◄◄] / [►►I] keys] (Display) LDERR1: x x ↔ LDERR2: x x ↔ LDERR1: x x ↔ (number of times is displayed for “xx”) MAX 99 (times)
↓ [FM] key	CD ejection error log display [switched by [I◄◄] / [►►I] keys] (Display) EJERR1: x x ↔ EJERR2: x x ↔ EJERR3: x x ↔ EJERR4: x x ↔ EJERR1: x x ↔ (number of times is displayed for “xx”) MAX 99 (times)
	CD time code error count data display (missing counts) [switched by [I◄◄] / [►►I] keys] (Display) CNT_LOSE ↔ CDDA__: x x ↔ CDROM_: x x ↔ CNT_LOSE ↔ (number of times is displayed for “xx”) MAX 99 (times)
	CD time code error count data display (count not updated) [switched by [I◄◄] / [►►I] keys] (Display) CNT_STAY ↔ CDDA__: x x ↔ CDROM_: x x ↔ CNT_STAY ↔ (number of times is displayed for “xx”) MAX 99 (times)

Security

- **How to enter the forced POWER ON mode**

  While “– – – –” is being displayed, while simultaneously pressing [Q] key and [4] key, press [RESET] button, With this, it is possible to turn the power on for 30 minutes only.

- **How to register the security code on the “Car Audio Passport” sheet after replacing E2PROM (IC11) (For models of destination “E” or “M”)**

  1. Enter the test mode. (Refer to “How to enter the test mode”.)
  2. In the test mode, press [Q] key to enter the MENU mode. When “CODE_SET” is displayed, press [►►I] key for 1 second or longer to enter the security registration mode.
  3. Input the security code, using [FM] / [AM] / [I◄◄] / [►►I] keys.
     [FM] key: number up / [AM] key: number down
     [►►I] key: cursor to right / [I◄◄] key: cursor to left
  4. After inputting the code, press [►►I] key for 3 seconds or longer which causes “RE-ENTER” to be displayed. This is for “confirming” the code. Use the method in the step 3 to re-enter the code.
  5. Then, press [►►I] key for 3 seconds or longer, which will display “APPROVED”. This completes the security code registration.
  6. Release the test mode. (Refer to “How to clear the test mode”.)
     ∗ All clear cannot be used to clear the security code.

- **How to clear the programmable security code (For models of destination “K”)**

  ∗ Operation 1

  1. While “– – – –” is being displayed, press [►►I] key for 3 seconds or longer while pressing the [AUTO] key. This makes the “– – – –” display disappear.
  2. Input “KCAR”, using the remote controller.
     Press [5] key of the remote controller twice (Input for “K”) and press [►►I] key.
     Press [2] key of the remote controller 3 times (Input for “C”) and press [►►I] key.
     Press [2] key of the remote controller once (Input for “A”) and press [►►I] key.
     Press [7] key of the remote controller twice (Input for “R”) and press [►►I] key.
  3. The security is cleared and the unit enters STANDBY source.
  4. If wrong codes are input, “– – – –” will be displayed again.

  ∗ Operation 2

  1. After code has been registered, in STANDBY source, press and hold the [Q] key for 1 second or longer to go into the MENU. While “CODE_CLR” is displayed, press the [►II] keys for 1 second or longer to cancel the security code.
  2. Input pre-registered code, using [FM] / [AM] / [I◄◄] / [►►I] keys.
     [FM] key: numbers go up / [AM] key: numbers go down
     [►►I] key: cursor moved to the right / [I◄◄] key: cursor moved to the left
  3. Press the [►II] key for 3 seconds or longer and “CLEAR” is displayed.
  4. When the input code is not registered, “ERROR” is displayed. Go back to the step 2 and input the code again.

● Clearing CD mechanism information and service information (Clearing E2PROM data)

1. While pressing the [Q] key and [ATT] key, reset-start to start CD mechanism and service information initialization.
   (While “– – – –” is being displayed, power can be ON for 30 minutes.)
   [CD mechanism information]
   - Displays I2C communication condition
   - Displays CD mechanism error log

TEST MODE

- Displays CD loading error data.
- Displays CD ejection error data.
- Displays CD time code error count data (missing count).
- Displays CD time code error count data (count not updated).

[Service Information]

- Displays power ON time is displayed.
- Displays CD operation time.
- Displays number of CD EJECT times.
- Displays number of times PANEL was opened / closed.
- Displays forced Power OFF data.

2. After the initialization process is completed, the following is displayed.
   When successfully completed: "CD_O___".
   When finished but unsuccessful: "CD_X___"
3. This mode is cancelled by resetting. (The last screen will not be retained.)

● Clearing DC offset error detection data (E2PROM data clearing)

If DC voltage difference (DC offset error) is detected between audio power amplifier (power IC) ± outputs, "DC_ERR_" is displayed on the display. When this occurs, the audio is forced-mute and the display displays only "DC_ERR_".
Once this product detected a DC offset error, even if it is re-started (or reset), its display displays "DC_ERR_".
However, if the error is detected while in Test Mode, it is not saved in E2PROM.

1. Press and hold [3] and [6] keys and reset-start to go into the DC offset error display mode
   (While "– – – –" is being displayed, power can be ON for 30 minutes.)
2. While in STANDBY source, the current DC offset error condition is displayed.
   Error detected: "DC_ERR___"
   Error not detected: "DC_OK___"
3. While error condition is being displayed, press [AUTO] or [TI] key to clear the detection data.
   (Clear E2PROM)
4. CD offset error display mode is cancelled by resetting. (The last screen will not be retained.)

● FM/AM channel space switching (For models of destination "K" or "M")

While Power OFF, press and hold [1] and [5] keys and press [SRC] key to Power ON.

● Frequency forced display mode ON (RDS model: KDC-MP4534 / Y only)

While in STANDBY source, press [1] and [6] keys for 1 second or longer.

● FAST4 software-mute adjustment mode

1. Press and hold [1] and [6] keys and reset-start to go into the FAST4 software mute adjustment mode.
   Default setting LOUD: OFF
   FM band reception frequency: 98.3MHz
2. While in STANDBY source, "TUN_ADJ",
   While in TUNER source, "S- ∗ _D- ∗ " is displayed.
3. While in TUNER source, press [FM] / [AM] / [I◀◀] / [▶▶I] keys to input the adjustment value.
   • Start point: [I◀◀] / [▶▶I] keys (0-7) "S- ∗ "
   • Convergent point : [FM] / [AM] key (0-F) "D- ∗ "
   • Press the [4] key and call up 98.3MHz.
4. Press and hold [6] key for 2 seconds or longer to write the adjustment value into E2PROM, and "EP_WRITE" is displayed.
5. This mode is cancelled by resetting.

● Settings for OEM

Use pin 2 on the system μ-com to support OEM model.

TUN TYPE1 (Pin. 5)	TUN TYPE2 (Pin. 6)	Description
Low	Low	①KENWOOD brand model
High	Low	②KENWOOD brand model (with CRSC changed)
Low	High	③OEM model (with CRSC changed)
High	High	④KENWOOD brand model (to support test-driving in EU)

ADJUSTMENT

After replacing the following parts, adjust as follows.

REPLACED PARTS		ADJUSTMENT ITEMS		
Ref. No.	Function / Parts name	1st AM MIX	2nd AM MIX	FM antenna
IC10	E-VOL & TUNER	YES	YES	YES
IC11	E2PROM	YES	YES	YES
L507	VCO COIL	YES	YES	YES
L508	1st AM MIX IFT	YES	-	-
L509	2nd AM MIX IFT	-	YES	-
L518	FM ANTENNA COIL	-	-	YES
D504	VARIABLE CAPACITANCE DIODE	YES	YES	YES
D506	VARIABLE CAPACITANCE DIODE	YES	YES	YES
X501	CRYSTAL RESONATOR	YES	YES	YES

● 1st AM MIX / 2nd AM MIX ADJUSTMENT

ADJUSTMENT POINT : L508 (1st AM MIX) / L509 (2nd AM MIX)

VOLTAGE VALUE CHECK POINT : S-METER check land (X34-)

Adjust so that S-METER voltage value becomes maximum.

• SG setting

DESTINATION	FREQUENCY	MODULATION	ANTENNA INPUT
Europe	999kHz	OFF	35dBμV (EMF)
Except Europe	1000kHz	OFF	35dBμV (EMF)

● FM ANTENNA ADJUSTMENT

ADJUSTMENT POINT : L518

VOLTAGE VALUE CHECK POINT : S-METER check land (X34-)

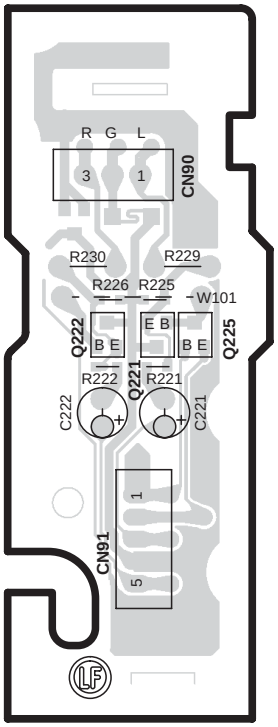
Adjust so that S-METER voltage value becomes maximum.

• SG setting

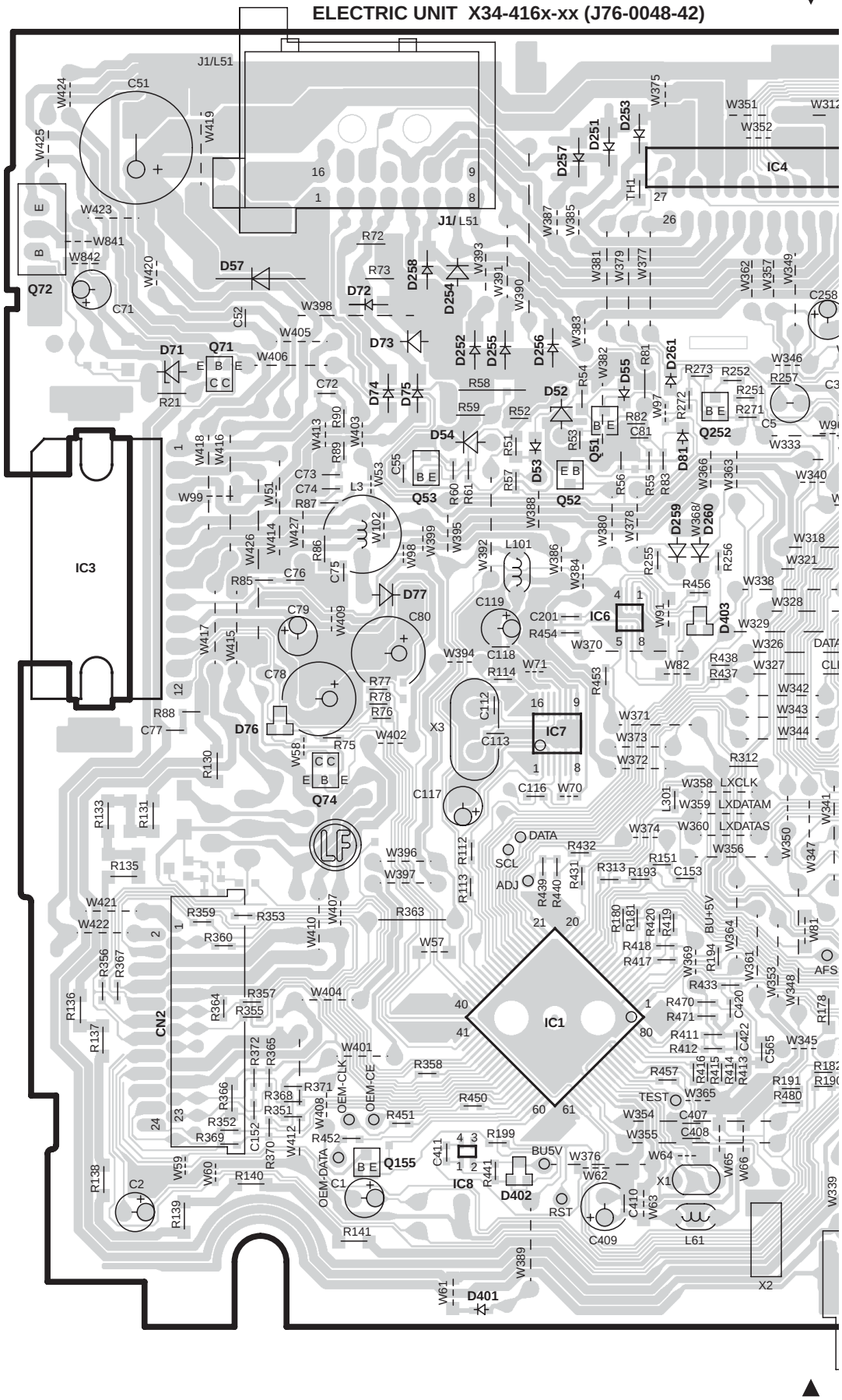
DESTINATION	FREQUENCY	MODULATION	ANTENNA INPUT
Europe	87.5MHz	OFF	5dBμV (LOAD) or 11dBμV (EMF)
Except Europe	87.9MHz	OFF	5dBμV (LOAD) or 11dBμV (EMF)

PC BOARD (FOIL SIDE VIEW)

DAUGHTER UNIT
X89-2690-10
(J76-0057-02)

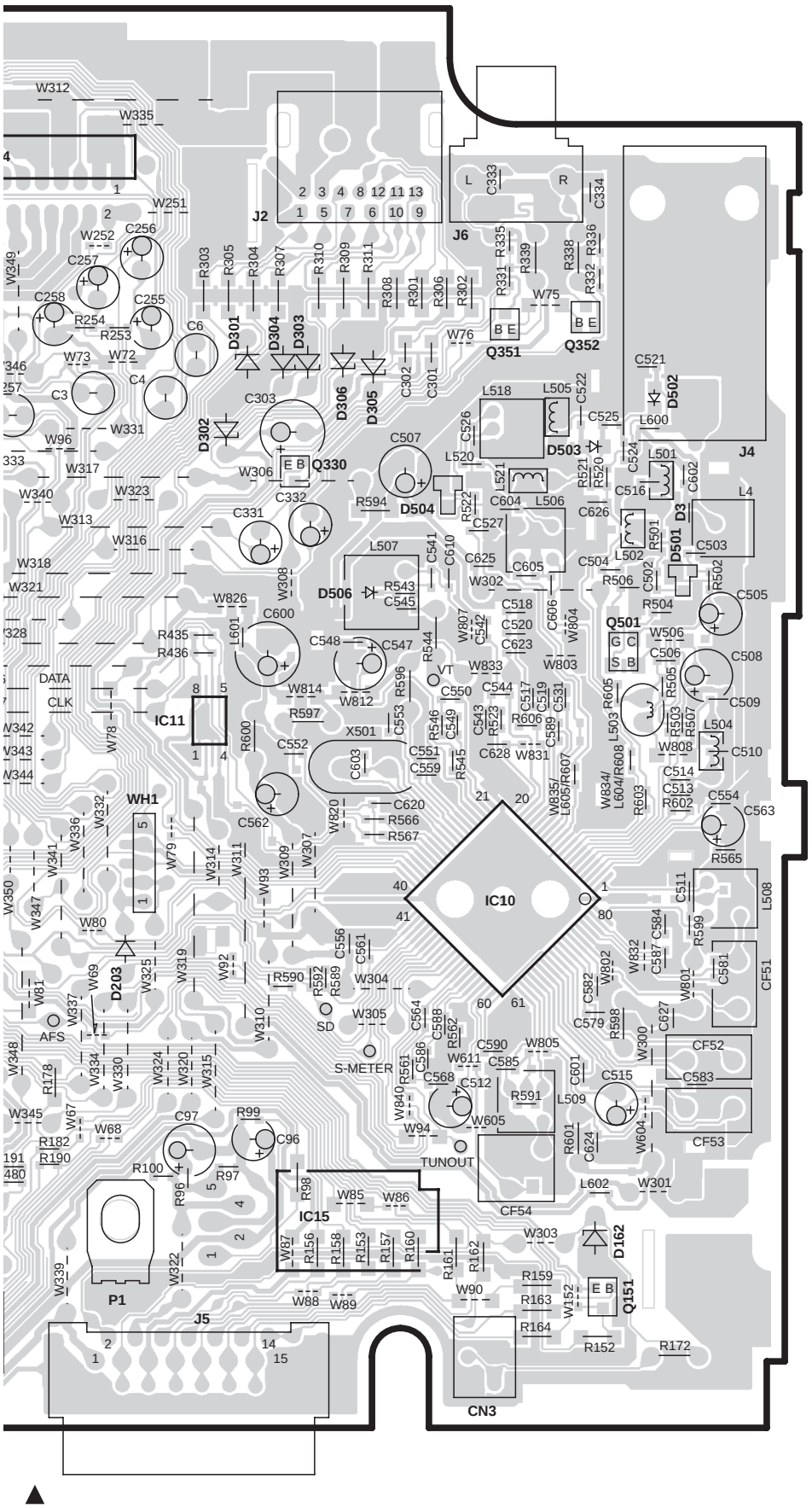


ELECTRIC UNIT X34-416x-xx (J76-0048-42)



X89-2690-10

Ref. No.	Address
Q221	3A
Q222	3A
Q225	3B



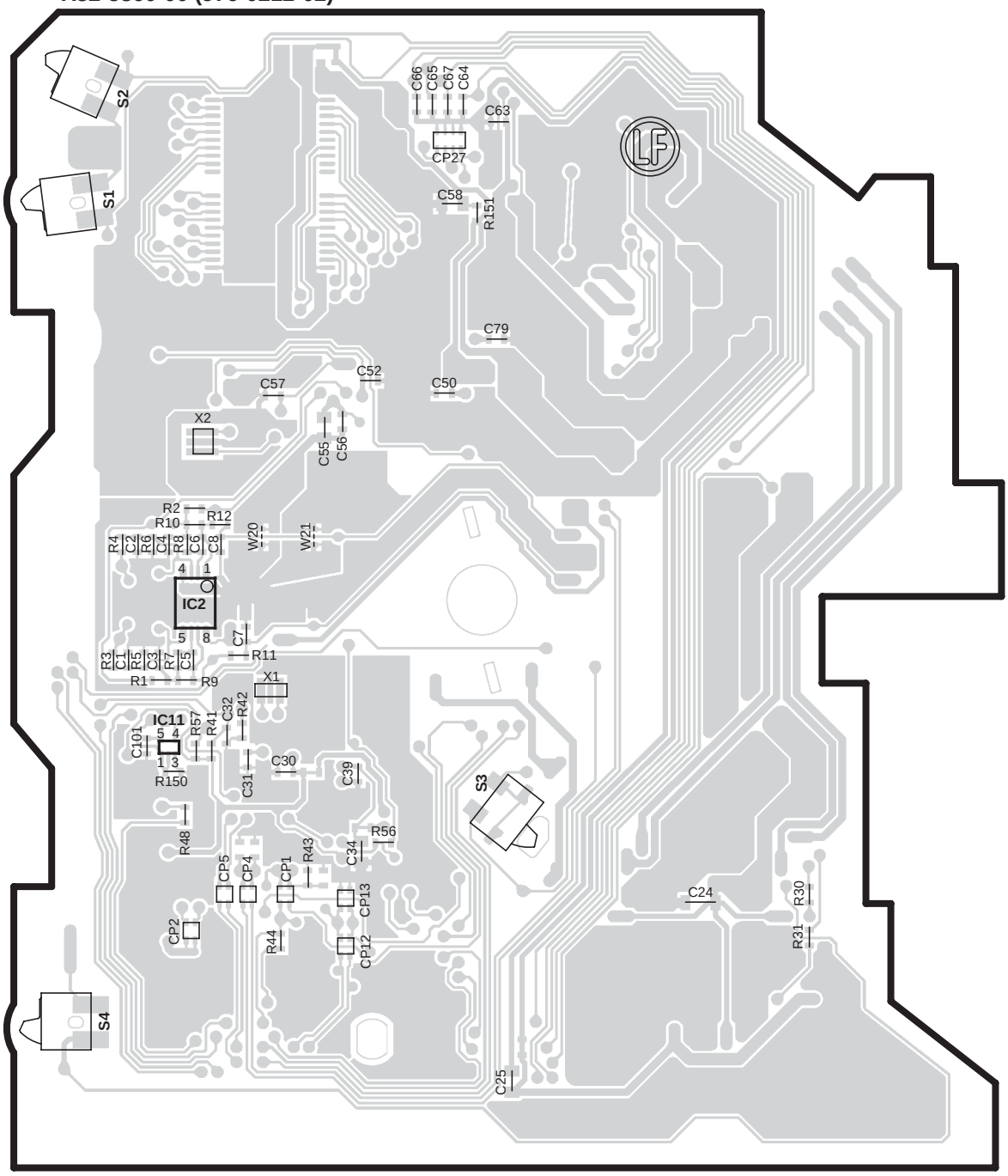
X34-416x-xx

Ref. No.	Address
IC1	6D
IC3	4B
IC4	2E
IC6	4D
IC7	4D
IC8	6D
IC10	5G
IC11	4F
IC15	6G
Q51	3D
Q52	3D
Q53	3D
Q71	3C
Q72	2B
Q74	5C
Q151	6H
Q155	6D
Q252	3E
Q330	3G
Q351	3G
Q352	3H
Q501	4H

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

PC BOARD (COMPONENT SIDE VIEW)

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



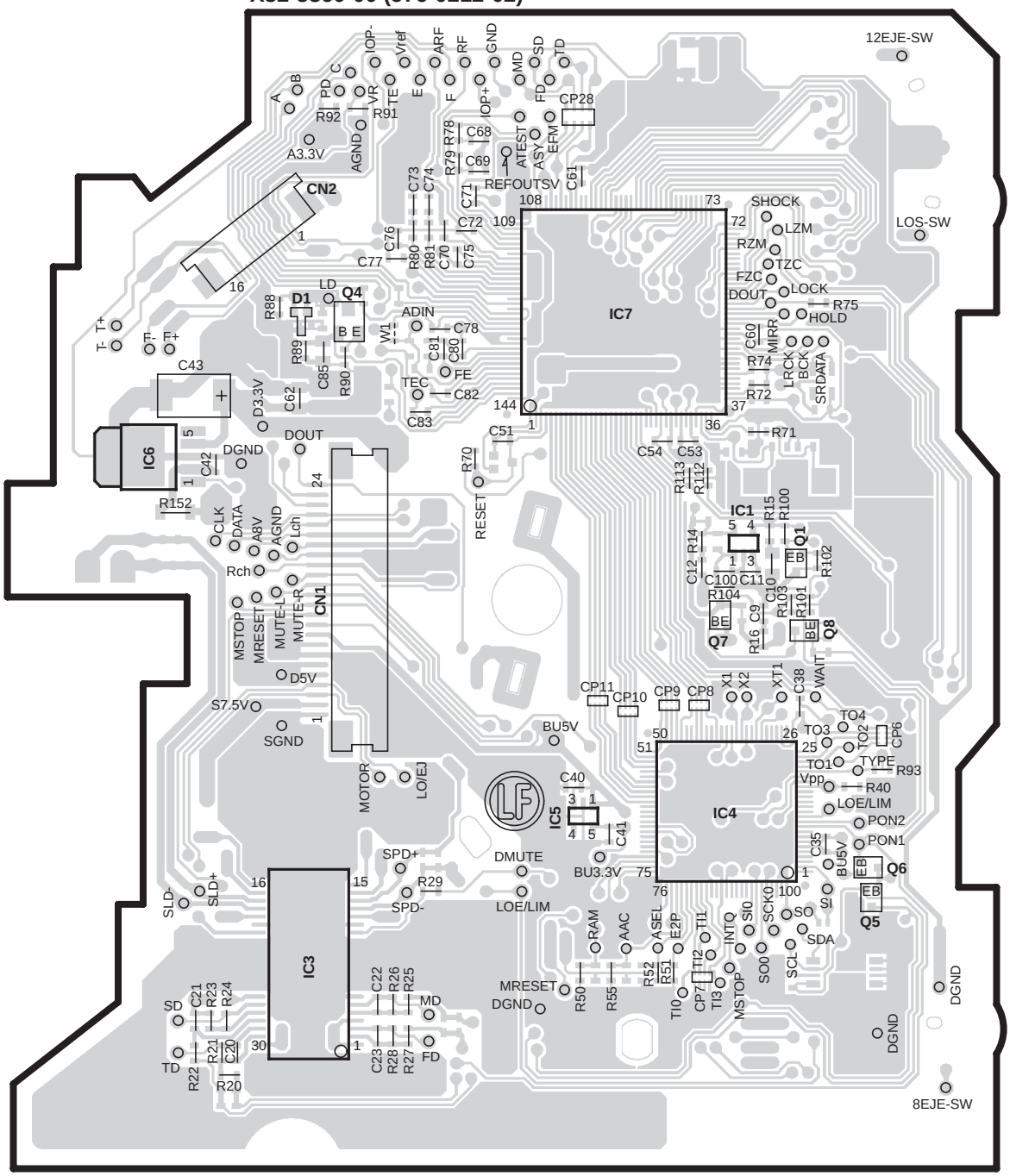
X32-5860-00

Ref. No.	Address
IC2	4L
IC11	4L

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

PC BOARD (FOIL SIDE VIEW)

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



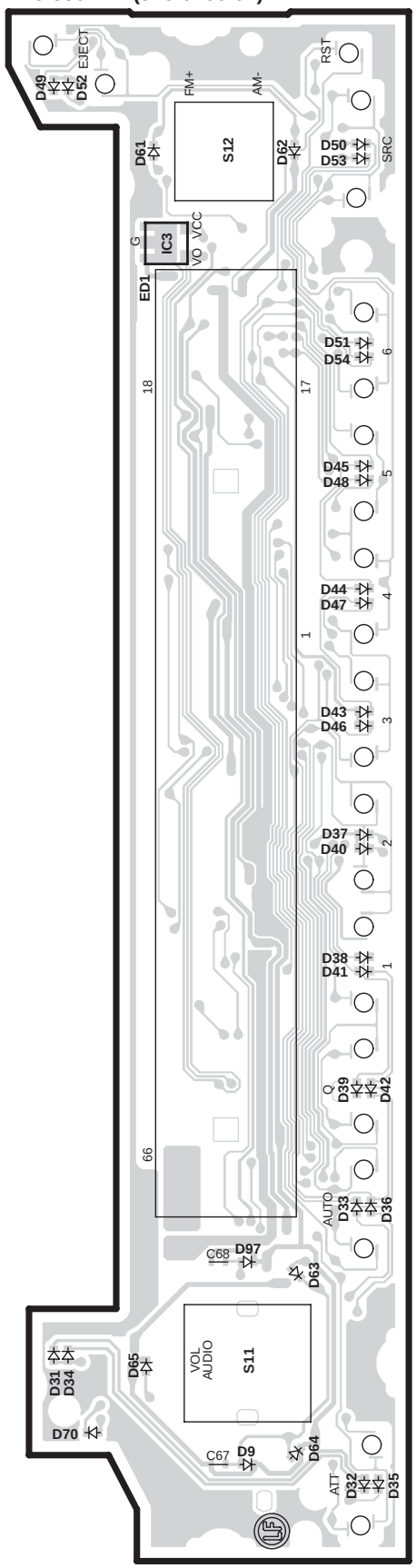
X32-5860-00

Ref. No.	Address	Ref. No.	Address
IC1	3S	Q1	4S
IC3	5Q	Q4	3Q
IC4	5S	Q5	5S
IC5	5R	Q6	5S
IC6	3P	Q7	4S
IC7	3R	Q8	4S

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

PC BOARD
(COMPONENT SIDE VIEW)

SWITCH UNIT
X16-350x-xx (J76-0166-02)

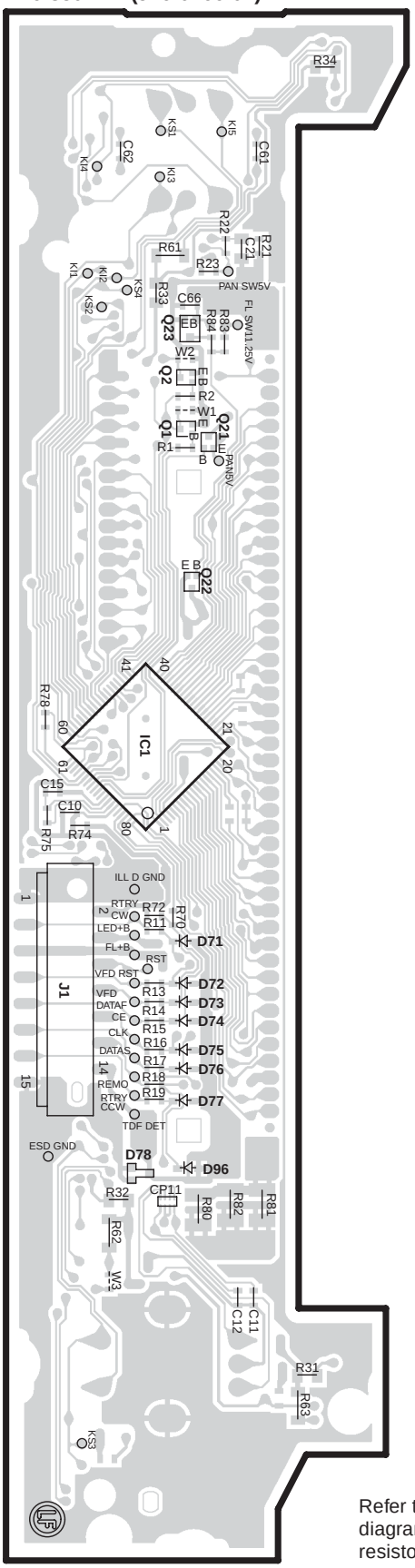


X16-350x-xx

Ref. No.	Address
IC3	2U

(FOIL SIDE VIEW)

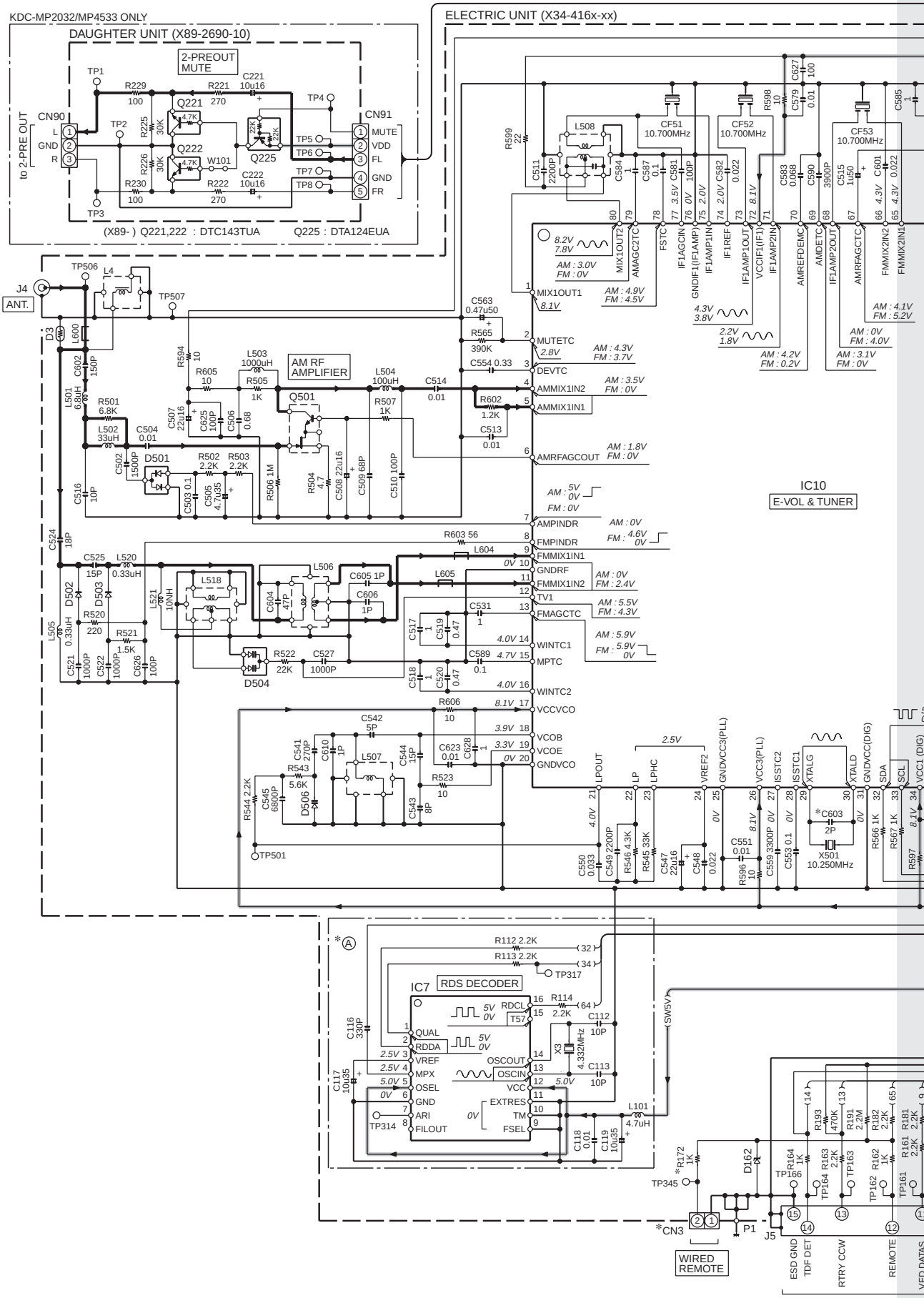
SWITCH UNIT
X16-350x-xx (J76-0166-02)



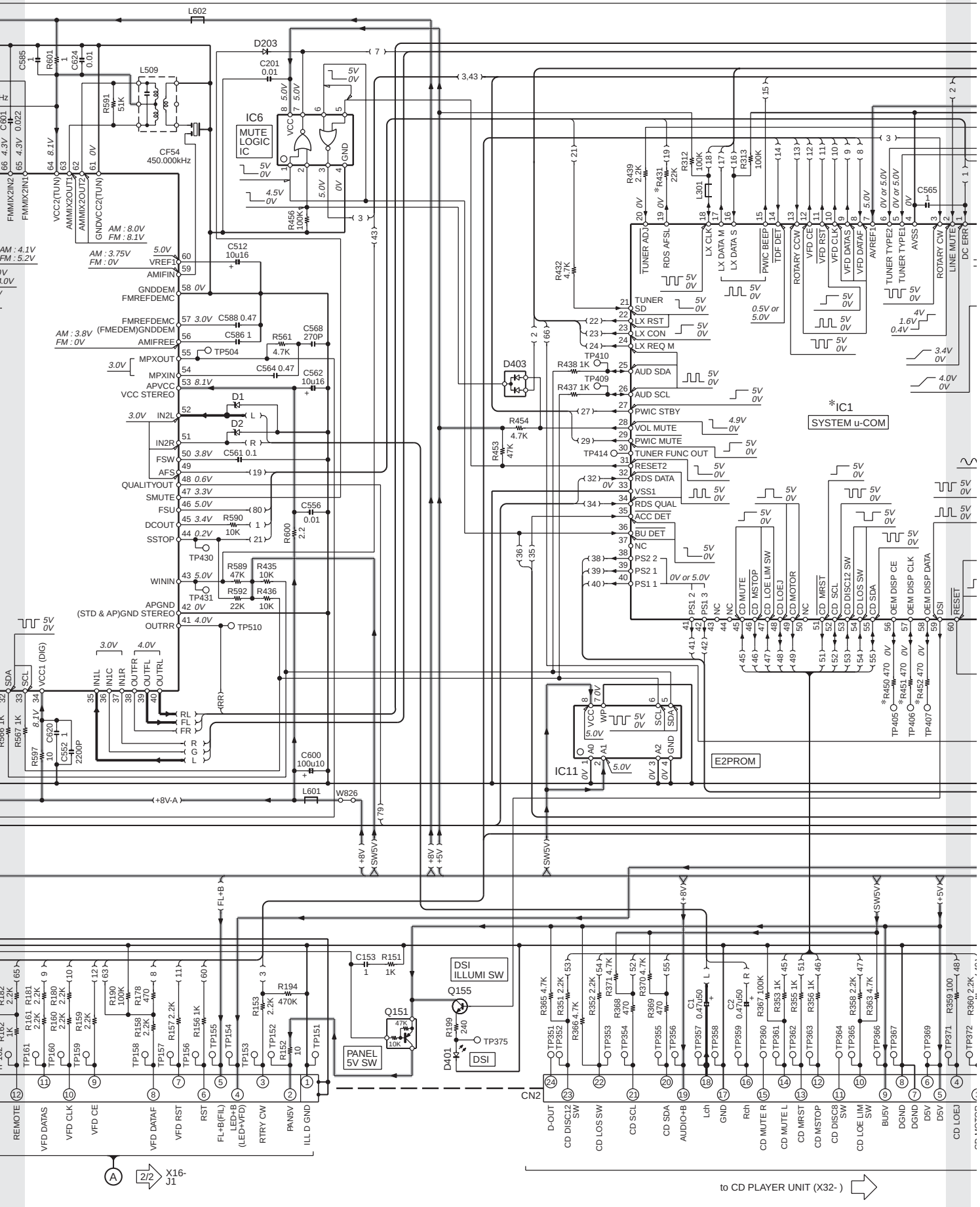
X16-350x-xx

Ref. No.	Address
IC1	4X
Q1	3X
Q2	3X
Q21	3X

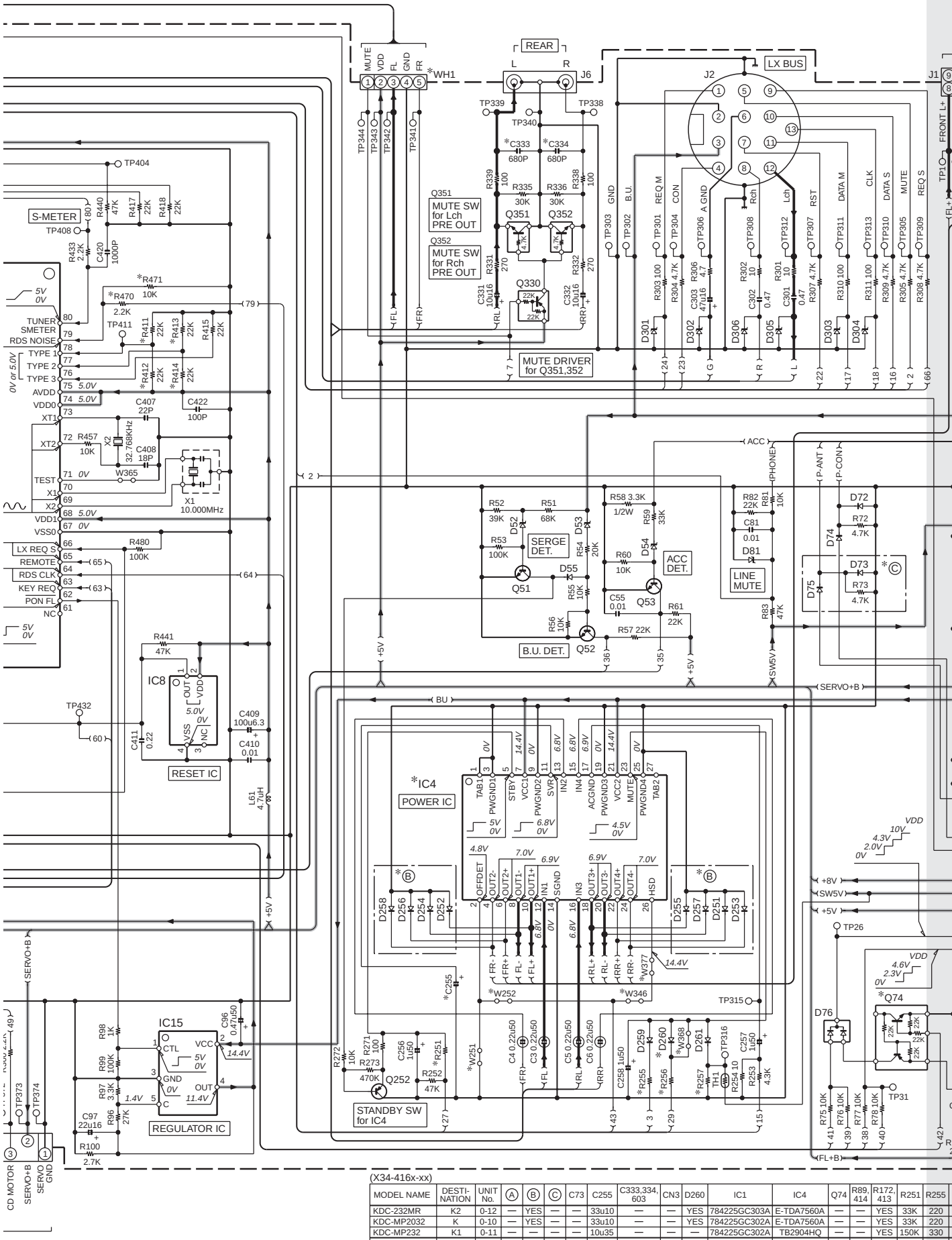
Refer to the schematic diagram for the values of resistors and capacitors.


KDC-MP2032/MP4533 ONLY
DAUGHTER UNIT (X89-2690-10)
2-PREOUT MUTE
CN90
to 2-PRE OUT
CN91
MUTE
VDD
FL
GND
FR
(X89-) Q221,222 : DTC143TUA
Q225 : DTA124EUA
ELECTRIC UNIT (X34-416x-xx)
AM RF AMPLIFIER
IC10
E-VOL & TUNER
MIX1OUT1
MUTETC
DEVTC
AMMIX1IN2
AMMIX1IN1
AMRFAGCOUT
AMPINDR
FMPINDR
FMMIX1IN1
GNDRF
FMMIX1IN2
TV1
FMAGCTC
WINTC1
MPTC
WINTC2
VCCVCO
VCOB
VCOE
GNDVCO
LPOUT
LP
LPHC
VREF2
GNDVCC3(PLL)
VCC3(PLL)
ISSTC2
ISSTC1
XTALG
XTALD
GNDVCC(DIG)
SDA
SCL
VCC1 (DIG)
IC7
RDS DECODER
QUAL
RDDA
VREF
MPX
OSEL
GND
ARI
FILOUT
RDCL
OSCOUT
OSCIN
VCC
EXTRES
TM
FSEL
WIRED REMOTE
ESD GND
TDF DET
RTRY CCW
REMOTE

KDC-MP2032/MP232/MP4033/ KDC-MP4033S/W4534/W4534Y



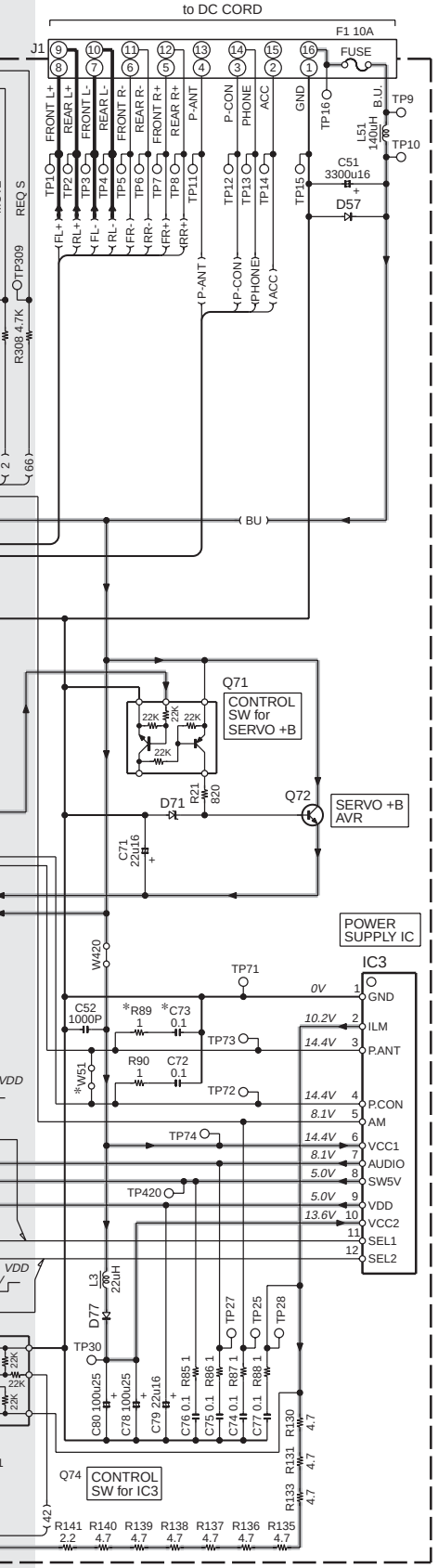
KDC-MP2032/MP232/MP4033/ KDC-MP4033S/W4534/W4534Y



(X34-416x-xx)

MODEL NAME	DESTI-NATION	UNIT No.	Ⓐ	Ⓑ	Ⓒ	C73	C255	C333,334, 603	CN3	D260	IC1	IC4	Q74	R89, 414	R172, 413	R251	R255
KDC-232MR	K2	0-12	—	YES	—	—	33u10	—	—	YES	784225GC303A	E-TDA7560A	—	—	YES	33K	220
KDC-MP2032	K	0-10	—	YES	—	—	33u10	—	—	YES	784225GC302A	E-TDA7560A	—	—	YES	33K	220
KDC-MP232	K1	0-11	—	—	—	—	10u35	—	—	—	784225GC302A	TB2904HQ	—	—	YES	150K	330
KDC-MP4033/S	M1/M2	0-21	—	YES	YES	YES	33u10	—	—	YES	784225GC302A	E-TDA7560A	YES	YES	—	33K	220
KDC-MP4533	M3	0-22	—	YES	YES	YES	33u10	—	—	YES	784225GC302A	E-TDA7560A	YES	YES	—	33K	220
KDC-W4534/Y	E1/E2	2-71	YES	YES	YES	—	33u10	YES	YES	YES	784225GC302A	E-TDA7560A	YES	—	YES	33K	220

KDC-MP2032/MP232/MP4033/ KDC-MP4033S/W4534/W4534Y



(X34-)

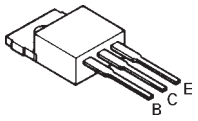
IC1	: *
IC3	: BD4912-V4
IC4	: *
IC6	: TC7W02FU-F
IC7	: E-TDA7479AD
IC8	: S-80836CNNB-J
IC10	: E-TDA7516A
IC11	: BR24L04FV-W
IC15	: BA00CCWT
TH1	: PRF21BE471QB2
Q51-53,155	: 2SC4155A(Q,R,S
Q71,74	: UMC2N
Q72	: 2SD2396(J,K)
Q151	: DTA114YUA
Q252	: 2SA1603A
Q330	: RT1P241M
Q351,352	: RT1N430M
Q501	: HN3G01J(BL)-F
D3	: IMSA-6801-E
D52,54,305,306	: MTZJ6.8B
D53	: 02DZ6.8F-Y
D55,261	: 1SS355
D57	: S2V60*A
D71	: MTZJ8.2B
D72,74,75,251-258	: 1SR154-400
D73,77	: 1SR139-400T64
D76,403	: BAV70W
D81	: 02DZ4.7F-Y
D162,301-304	: MTZJ6.2B
D203,259,260	: 1SS133
D401	: B30-1567-05
D501	: RN739F
D502,503	: KP2311ETR-G
D504	: KV1430STL-G
D506	: HVC383B-E

251	R255	R256	R257	R411, 471	R412,431, 470	R450-452	W51	W251,346, 368,377	W252	WH1
3K	220	22K	39K	YES	—	YES	—	—	YES	—
3K	220	22K	39K	YES	—	YES	—	—	YES	YES
50K	330	150K	12K	YES	—	YES	—	YES	—	—
3K	220	22K	39K	YES	—	—	—	—	YES	—
3K	220	22K	39K	YES	—	—	—	—	YES	YES
3K	220	22K	39K	—	YES	—	YES	—	YES	—

SIGNAL LINE
GND LINE
+B LINE

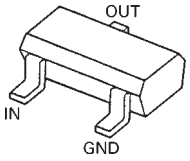
KDC-MP2032/MP232/MP4033/
KDC-MP4033S/W4534/W4534Y (1/2)

2SD2396

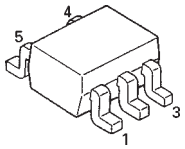


DTC143TUA
2SA1576A

DTA124EUA

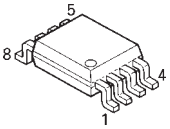


UMC2N



DAP202U
DA204U

NJM4580V-ZB



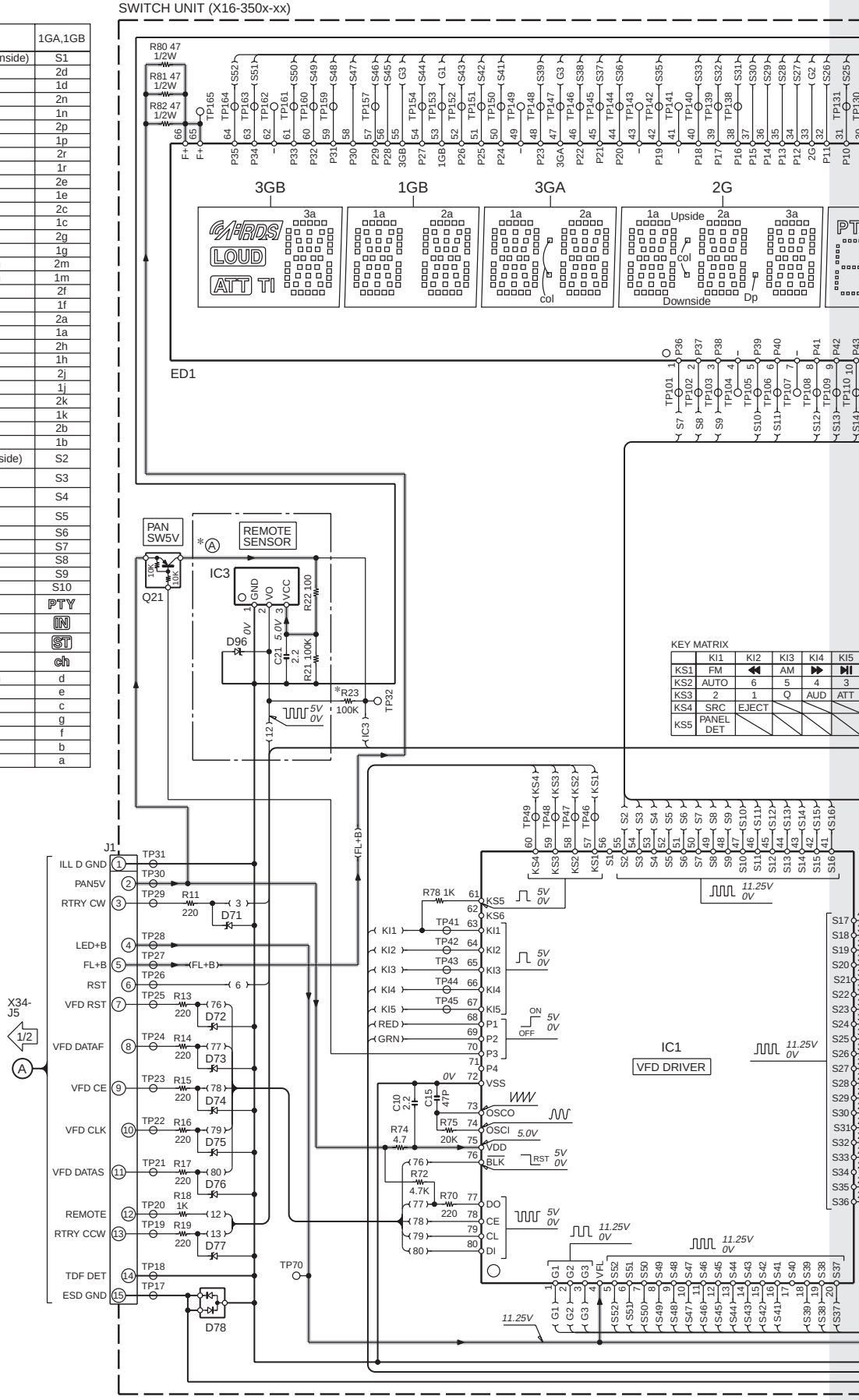
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

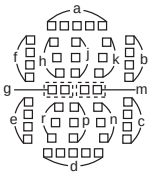
ANODE CONNECTION

PIN NAME	3GA,3GB	2G	1GA,1GB
P1	—	col (Downside)	S1
P2	2d	2d	2d
P3	1d	1d	1d
P4	2n	2n	2n
P5	1n	1n	1n
P6	2p	2p	2p
P7	1p	1p	1p
P8	2r	2r	2r
P9	1r	1r	1r
P10	2e	2e	2e
P11	1e	1e	1e
P12	2c	2c	2c
P13	1c	1c	1c
P14	2g	2g	2g
P15	1g	1g	1g
P16	2m	2m	2m
P17	1m	1m	1m
P18	2f	2f	2f
P19	1f	1f	1f
P20	2a	2a	2a
P21	1a	1a	1a
P22	2h	2h	2h
P23	1h	1h	1h
P24	2j	2j	2j
P25	1j	1j	1j
P26	2k	2k	2k
P27	1k	1k	1k
P28	2b	2b	2b
P29	1b	1b	1b
P30	CH/RDS	col (Upside)	S2
P31	LOUD	—	S3
P32	ATT	—	S4
P33	TI	—	S5
P34	—	—	S6
P35	col	Dp	S7
P36	3d	3d	S8
P37	3n	3n	S9
P38	3p	3p	S10
P39	3r	3r	PTY
P40	3e	3e	IN
P41	3c	3c	ST
P42	3g	3g	ch
P43	3m	3m	d
P44	3f	3f	e
P45	3b	3b	c
P46	3k	3k	g
P47	3j	3j	f
P48	3h	3h	b
P49	3a	3a	a

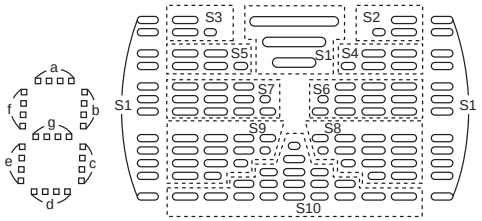
SWITCH UNIT (X16-350x-xx)



KDC-MP2032/MP232/MP4033/ KDC-MP4033S/W4534/W4534Y



(3GB/1GB/3GA/2G)



(1GA)

(X16-350x-xx)

MODEL NAME	DESTI-NATION	UNIT No.	Ⓐ	Ⓑ	Ⓒ	C61,62, 67,68	D61,62	D63-65	D97,98	Q1,2	R1,2	R23	R61	R62	R63	W1	W2	W3
E212/S	J/J1	0-01	—	—	B30-1575-05	YES	B30-1729-05	—	B30-1729-05	—	—	YES	300	680	470	YES	—	YES
E313S	J2																	
KDC-232MR	K2	0-11	—	YES	—	YES	B30-1729-05	—	B30-1729-05	—	—	YES	300	680	470	—	YES	YES
KDC-MP202	K1	2-72	—	YES	—	—	B30-1567-05	—	B30-1567-05	—	—	YES	680	820	680	—	YES	YES
KDC-MP2032	K	0-10	YES	YES	—	YES	B30-1729-05	—	B30-1729-05	—	—	—	300	680	470	—	YES	YES
KDC-MP2032CR	K2	0-21	YES	—	B30-1533-05	—	B30-1533-05	YES	—	—	—	—	620	620	680	YES	—	—
KDC-MP232	K1	0-10	YES	YES	—	YES	B30-1729-05	—	B30-1729-05	—	—	—	300	680	470	—	YES	YES
KDC-MP333/RC	M1/M3	0-21	YES	—	B30-1533-05	—	B30-1533-05	YES	—	—	—	—	620	620	680	YES	—	—
KDC-MP4033/S	M1/M2	0-22	YES	—	B30-1533-05	YES	B30-1729-05	—	B30-1729-05	—	—	—	300	680	470	YES	—	YES
KDC-MP433	M2	0-21	YES	—	B30-1533-05	—	B30-1533-05	YES	—	—	—	—	620	620	680	YES	—	—
KDC-MP4533	M3	0-22	YES	—	B30-1533-05	YES	B30-1729-05	—	B30-1729-05	—	—	—	300	680	470	YES	—	YES
KDC-3034A/AY	E2/E4	2-72	—	YES	—	—	B30-1567-05	—	B30-1567-05	—	—	YES	680	820	680	—	YES	YES
KDC-3034G/GY	E3/E5	2-73	—	—	B30-1533-05	—	B30-1533-05	YES	—	—	—	YES	620	620	680	YES	—	—
KDC-W40GY	E9	2-73	—	—	B30-1533-05	—	B30-1533-05	YES	—	—	—	YES	620	620	680	YES	—	—
KDC-W4034A/AY	E/E2	2-72	—	YES	—	—	B30-1567-05	—	B30-1567-05	—	—	YES	680	820	680	—	YES	YES
KDC-W4034G/GY	E1/E3	2-73	—	—	B30-1533-05	—	B30-1533-05	YES	—	—	—	YES	620	620	680	YES	—	—
KDC-W410A/AY	E4/E6	2-72	—	YES	—	—	B30-1567-05	—	B30-1567-05	—	—	YES	680	820	680	—	YES	YES
KDC-W410G/GY	E5/E7	2-73	—	—	B30-1533-05	—	B30-1533-05	YES	—	—	—	YES	620	620	680	YES	—	—
KDC-W434A	E6	2-72	—	YES	—	—	B30-1567-05	—	B30-1567-05	—	—	YES	680	820	680	—	YES	YES
KDC-W434G/GY	E7/E8	2-73	—	—	B30-1533-05	—	B30-1533-05	YES	—	—	—	YES	620	620	680	YES	—	—
KDC-W4534/Y	E1/E2	2-71	—	YES	B30-1533-05	YES	B30-1729-05	—	B30-1729-05	YES	YES	YES	300	680	470	—	—	YES

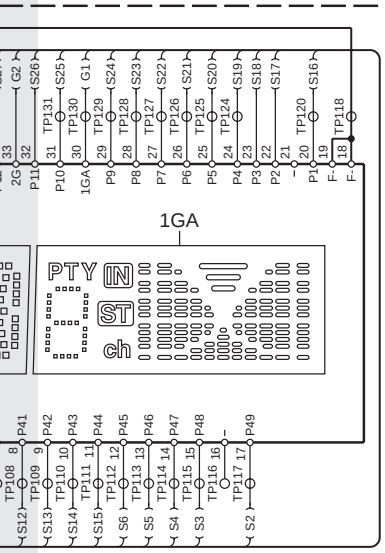
ED1 : HNR-03SS09T

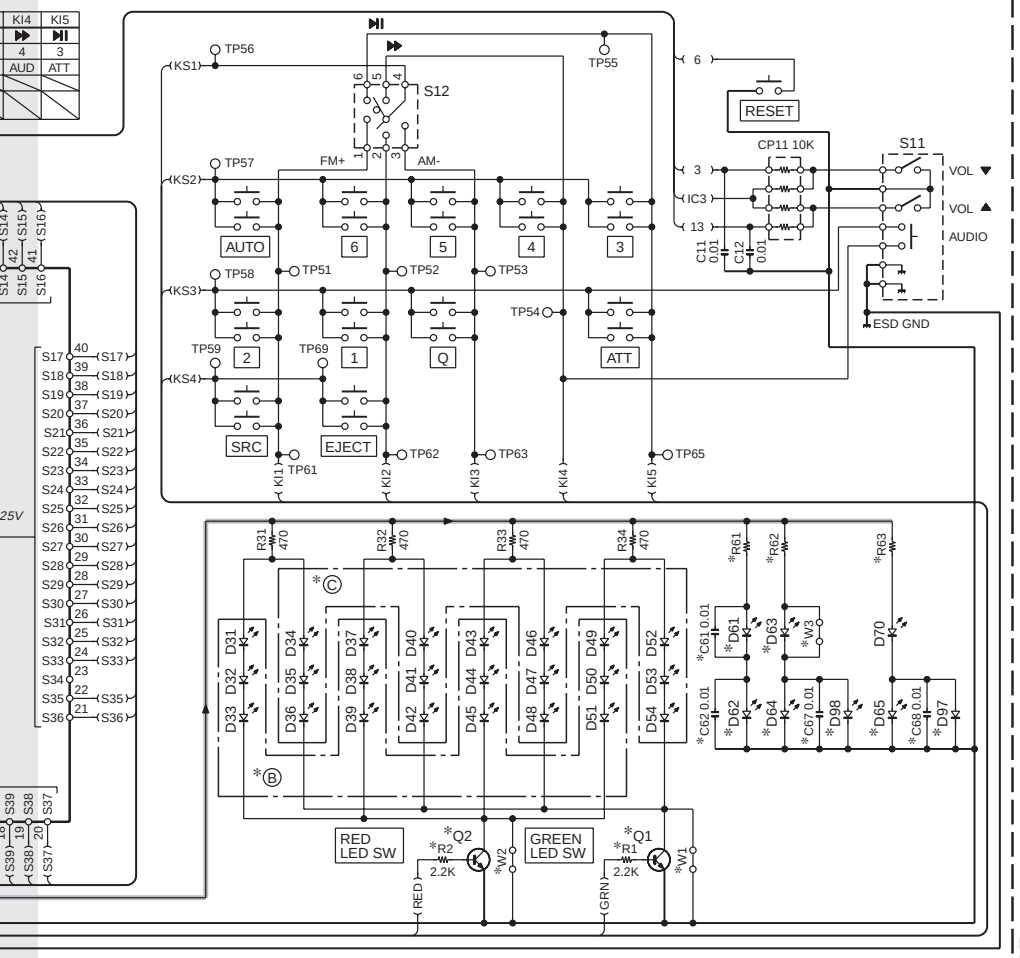
IC1 : LC75756W
IC3 : PNA4S22M02KW

Q1,2 : 2SC5383(E,F)
Q21 : RT1P141U

D31-33,37-39,43-45,49-51,70 : B30-1567-05
D34-36,40-42,46-48,52-54 : *
D61-65 : *
D71-77 : UDZS5.6B
D78 : DA204U
D96 : UDZS5.6B
D97,98 : *

GND LINE
+B LINE





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KDC-MP2032/MP232/MP4033/
KDC-MP4033S/W4534/W4534Y (2/2)

KDC-MP2032/MP232/MP4033/ KDC-MP4033S/W4534/W4534Y

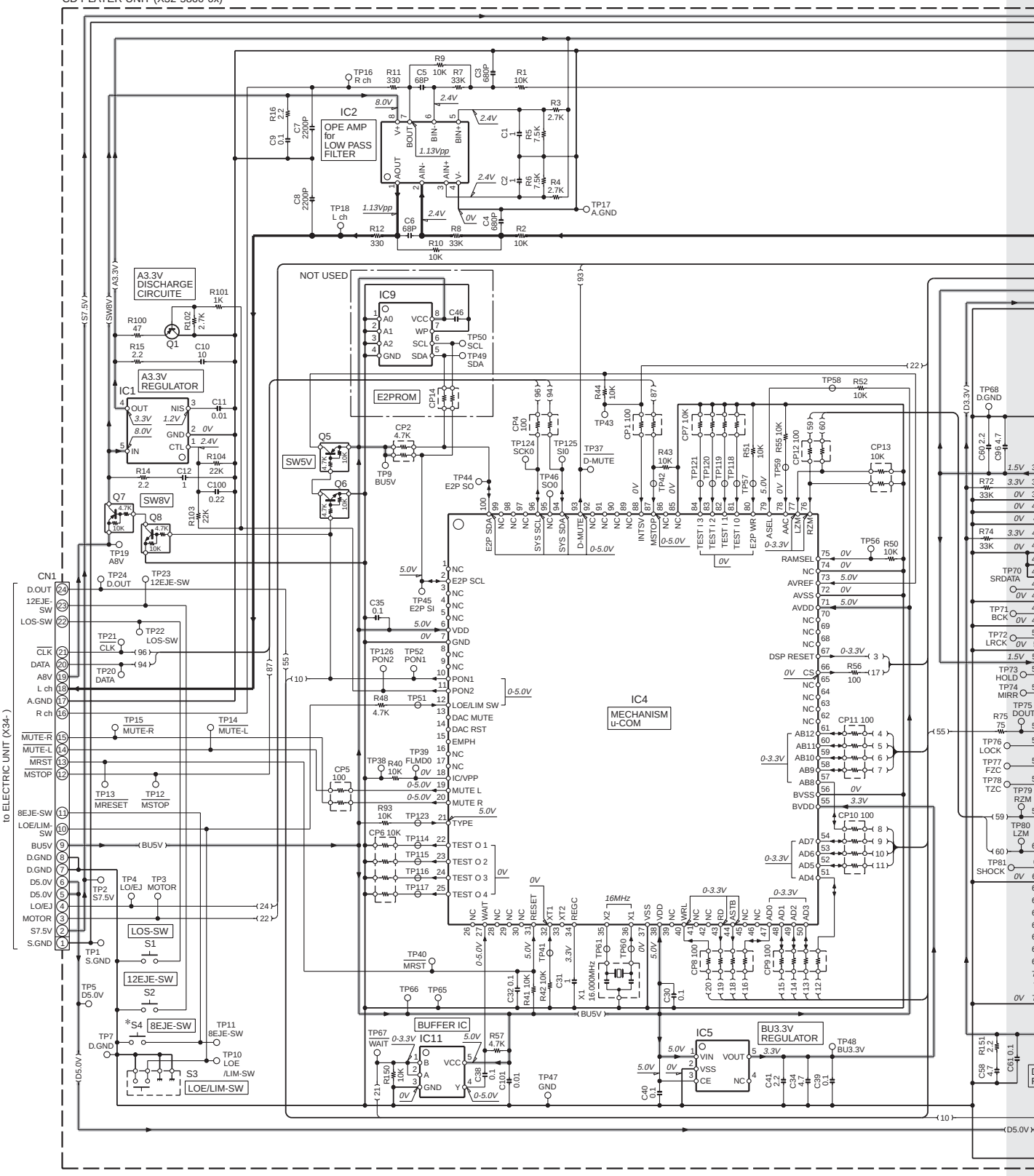
IC1 : TAR5S33-F
IC2 : NJM4580V-ZB
IC3 : BA5824FP
IC4 : 703030BYGCJ21A
IC5 : XC6219B332MR
IC6 : BA33BC0WFP
IC7 : UPD63763CGJ
IC9 : NOT USED
IC11 : TC7SET32FU-F

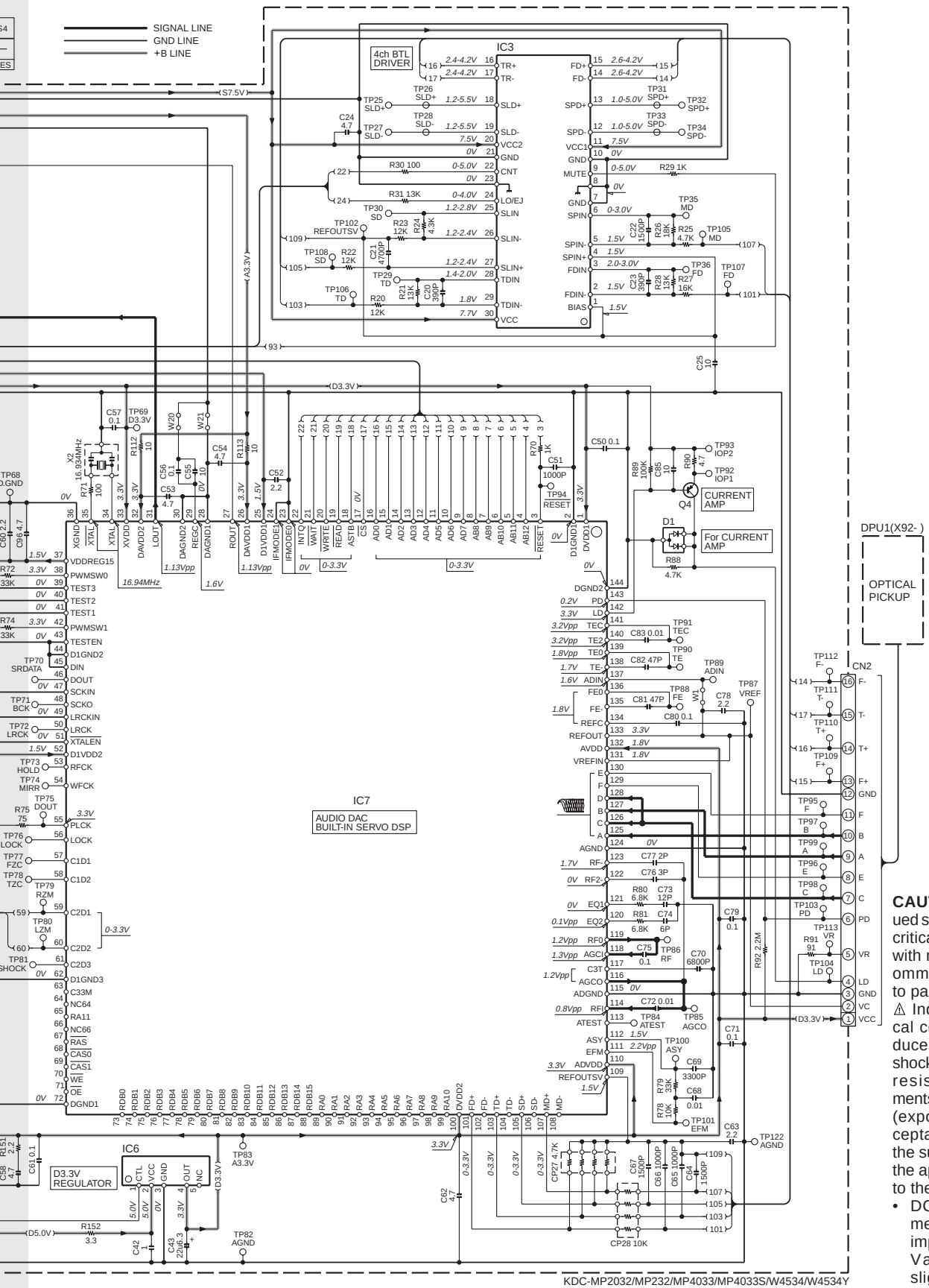
D1 : DAP202U
Q1 : 2SA1576A
Q4 : 2SB0970
Q5,7 : DTA143XUA
Q6,8 : DTC143XUA

(X32-586x-xx)

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

CD PLAYER UNIT (X32-5860-0x)





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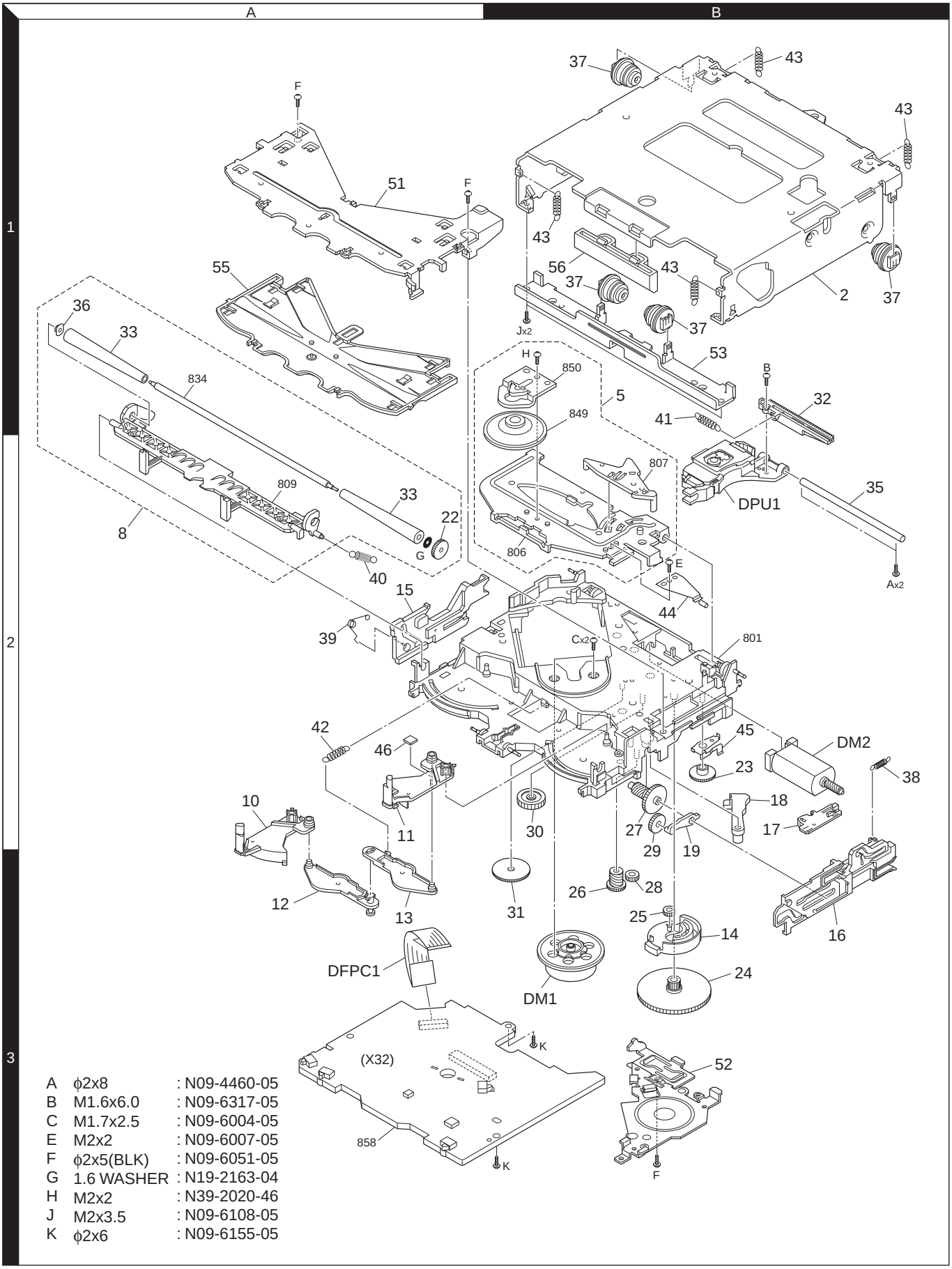
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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

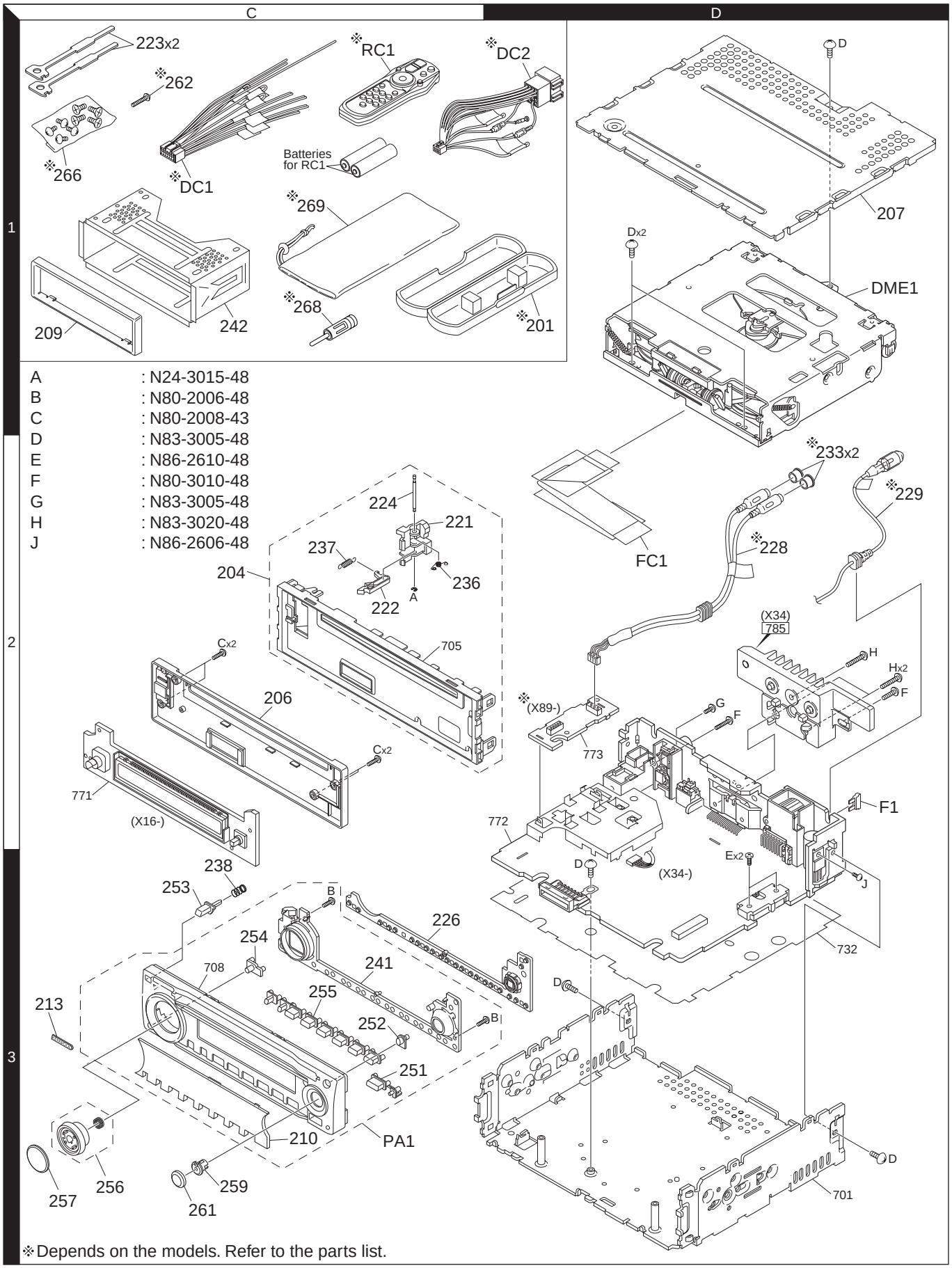
EXPLODED VIEW (MECHANISM)



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

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

EXPLODED VIEW (UNIT)



A : N24-3015-48
B : N80-2006-48
C : N80-2008-43
D : N83-3005-48
E : N86-2610-48
F : N80-3010-48
G : N83-3005-48
H : N83-3020-48
J : N86-2606-48

※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 mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination
KDC-MP2032/MP232/MP4033/W4534					
201	1D		A02-2736-03	PLASTIC CABINET ASSY	M1M2
204	2C		A22-2863-13	SUB PANEL ASSY	
206	2C		A46-1815-01	REAR COVER	
207	1D		A52-0804-12	TOP PLATE	
PA1	3C	✻	A64-3788-02	PANEL ASSY	K
PA1	3C	✻	A64-3789-02	PANEL ASSY	M1
PA1	3C	✻	A64-3790-02	PANEL ASSY	M2
PA1	3C	✻	A64-3791-02	PANEL ASSY	E1E2
PA1	3C	✻	A64-3797-02	PANEL ASSY	K1
RC1	1C		A70-2069-15	REMOTE CONTROLLER ASSY (RC-517)	KK1M1
RC1	1C		A70-2069-15	REMOTE CONTROLLER ASSY (RC-517)	M2
-			B46-0612-14	ID CARD	M1M2E1
-			B46-0612-14	ID CARD	E2
-			B46-0681-04	ID CARD	KK1
-			B46-0682-00	WARRANTY CARD	KK1M1
-			B46-0682-00	WARRANTY CARD	M2E1
-			B58-1426-04	CAUTION CARD	KK1
-		✻	B64-3290-00	INST. MANUAL (ENG,SPA)	KK1
-		✻	B64-3291-00	INST. MANUAL (FRENCH)	KK1
-		✻	B64-3292-00	INST. MANUAL (ENG,T-CHI)	M1M2
-		✻	B64-3293-00	INST. MANUAL (ARABIC)	M1M2
-		✻	B64-3294-00	INST. MANUAL (ENGLISH)	E1E2
-		✻	B64-3295-00	INST. MANUAL (FRE,GER,DUT)	E1
-		✻	B64-3296-00	INST. MANUAL (ITA,SPA,POR)	E1
-		✻	B64-3297-00	INST. MANUAL (RUSSIAN)	E2
209	1C		B07-3122-01	ESCUTCHEON	KM1E1
209	1C		B07-3122-01	ESCUTCHEON	E2
209	1C		B07-3123-01	ESCUTCHEON	K1M2
210	3C	✻	B10-4791-01	FRONT GLASS	E1E2
210	3C	✻	B10-4795-01	FRONT GLASS	K
210	3C	✻	B10-4796-01	FRONT GLASS	K1
210	3C	✻	B10-4801-01	FRONT GLASS	M1M2
213	3C		B43-1518-04	BADGE	
221	2C		D10-4446-03	LEVER	
222	2C		D10-4447-03	LEVER	
223	1C		D10-4589-04	LEVER	
224	2C		D21-2329-04	SHAFT	
226	3C	✻	E29-2070-02	CONDUCTIVE RUBBER	
228	2D		E30-6499-05	CORD WITH PINPLUG	K
229	2D		E30-6402-05	CORD WITH CONNECTOR	E1E2
⚠ DC1	1C		E30-6415-15	DC CORD	KK1M1
⚠ DC1	1C		E30-6415-15	DC CORD	M2
⚠ DC2	1D		E30-6427-05	DC CORD	E1E2
FC1	2D		E39-0718-05	FLAT CABLE	
233	2D		F29-0626-04	INSULATING COVER	K
⚠ F1	2D		F52-0023-05	FUSE (MINI BLADE TYPE) (10A)	
236	2C		G01-2987-04	TORSION COIL SPRING	
237	2C		G01-3096-04	EXTENSION SPRING	
238	3C		G01-3244-04	COMPRESSION SPRING	
-			H10-4919-12	POLYSTYRENE FOAMED FIXTURE	

Ref. No.	Add	New	Parts No.	Description	Destination
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	KK1M1
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	M2E2
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	E1E2
-			H25-1111-04	PROTECTION BAG (280X450X0.03)	E1
-		✻	H25-1236-14	PROTECTION BAG (0.03X180X500)	KK1M1
-		✻	H25-1236-14	PROTECTION BAG (0.03X180X500)	M2
-		✻	H54-3599-03	ITEM CARTON CASE (KDC-MP2032)	K
-		✻	H54-3600-03	ITEM CARTON CASE (KDC-MP232)	K1
-		✻	H54-3602-03	ITEM CARTON CASE (KDC-MP4033)	M1
-		✻	H54-3603-03	ITEM CARTON CASE (KDC-MP4033S)	M2
-		✻	H54-3605-03	ITEM CARTON CASE (KDC-W4534)	E1
-		✻	H54-3606-03	ITEM CARTON CASE (KDC-W4534Y)	E2
241	3C	✻	J19-7115-01	HOLDER	
242	1C		J21-9716-03	MOUNTING HARDWARE ASSY	
251	3C	✻	K25-1788-03	PUSH KNOB (SRC)	
252	3C	✻	K24-4457-04	PUSH KNOB (EJECT)	
253	3C	✻	K24-4459-04	PUSH KNOB (RELEASE)	
254	3C	✻	K24-4455-04	PUSH KNOB (ATT)	
255	3C	✻	K25-1790-02	PUSH KNOB (PRESET)	
256	3C	✻	K29-7200-03	KNOB ASSY (VOL)	
257	3C	✻	K28-0103-03	KEY TOP (VOL)	
259	3C	✻	K28-0102-03	KNOB BASE (FM/AM)	
261	3C	✻	K28-0106-03	KEY TOP (FM/AM)	
262	1C		N84-4016-48	PAN HEAD TAPTITE SCREW	KK1M1
262	1C		N84-4016-48	PAN HEAD TAPTITE SCREW	M2
266	1C		N99-1757-05	SCREW SET	KK1M1
266	1C		N99-1757-05	SCREW SET	M2
A	2C		N24-3015-48	E TYPE RETAINING RING	
B	3C		N80-2006-48	PAN HEAD TAPTITE SCREW	
C	2C		N80-2008-43	PAN HEAD TAPTITE SCREW	
D	1D		N83-3005-48	PAN HEAD TAPTITE SCREW	
E	3D		N86-2610-48	BINDING HEAD TAPTITE SCREW	
268	1C		T90-0523-05	ANTENNA ADAPTOR	E1E2
269	1C		W01-1661-05	CARRYING CASE	KE1E2
DME1	1D	✻	X92-5470-00	MECHANISM ASSY (DXM-6680W)	
SWITCH UNIT (X16-350x-xx)					
D31-33			B30-1567-05	LED (1608,RED)	KK1E1
D31-33			B30-1567-05	LED (1608,RED)	E2
D34-36			B30-1533-05	LED (1608,PG)	M1M2E1
D34-36			B30-1533-05	LED (1608,PG)	E2
D37-39			B30-1567-05	LED (1608,RED)	KK1E1
D37-39			B30-1567-05	LED (1608,RED)	E2
D40-42			B30-1533-05	LED (1608,PG)	M1M2E1
D40-42			B30-1533-05	LED (1608,PG)	E2
D43-45			B30-1567-05	LED (1608,RED)	KK1E1
D43-45			B30-1567-05	LED (1608,RED)	E2
D46-48			B30-1533-05	LED (1608,PG)	M1M2E1
D46-48			B30-1533-05	LED (1608,PG)	E2
D49-51			B30-1567-05	LED (1608,RED)	KK1E1
D49-51			B30-1567-05	LED (1608,RED)	E2
D52-54			B30-1533-05	LED (1608,PG)	M1M2E1

K : KDC-MP2032 **K1** : KDC-MP232 **M1** : KDC-MP4033
M2 : KDC-MP4033S **E1** : KDC-W4534 **E2** : KDC-W4534Y
(**E** : Europe **K** : North America **M** : Other Areas **W** : Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-350x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
D52-54			B30-1533-05	LED (1608,PG)	E2
D61,62			B30-1729-05	LED (1608,BLUE)	
D70			B30-1567-05	LED (1608,RED)	
D97,98			B30-1729-05	LED (1608,BLUE)	
C10			CK73GB0J225K	CHIP C 2.2UF K	
C11,12			CK73GB1H103K	CHIP C 0.010UF K	
C15			CC73GCH1H470J	CHIP C 47PF J	
C21			CK73FB1A225K	CHIP C 2.2UF K	KK1M1
C21			CK73FB1A225K	CHIP C 2.2UF K	M2
C61,62			CK73GB1H103K	CHIP C 0.010UF K	
C67,68			CK73GB1H103K	CHIP C 0.010UF K	
J1			E59-0851-05	RECTANGULAR PLUG	
CP11			RK74HB1J103J	CHIP-COM 10K J 1/16W	
R1,2			RK73GB2A222J	CHIP R 2.2K J 1/10W	E1E2
R11			RK73GB2A221J	CHIP R 220 J 1/10W	
R13-17			RK73GB2A221J	CHIP R 220 J 1/10W	
R18			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R19			RK73GB2A221J	CHIP R 220 J 1/10W	
R21			RK73GB2A104J	CHIP R 100K J 1/10W	KK1M1
R21			RK73GB2A104J	CHIP R 100K J 1/10W	M2
R22			RK73GB2A101J	CHIP R 100 J 1/10W	KK1M1
R22			RK73GB2A101J	CHIP R 100 J 1/10W	M2
R23			RK73GB2A104J	CHIP R 100K J 1/10W	E1E2
R31-34			RK73FB2B471J	CHIP R 470 J 1/8W	
R61			RK73EB2E301J	CHIP R 300 J 1/4W	
R62			RK73EB2E681J	CHIP R 680 J 1/4W	
R63			RK73EB2E471J	CHIP R 470 J 1/4W	
R70			RK73GB2A221J	CHIP R 220 J 1/10W	
R72			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R74			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R75			RK73GB2A203J	CHIP R 20K J 1/10W	
R78			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R80-82			RK73PB2H470J	CHIP R 47 J 1/2W	
W1			R92-1252-05	CHIP R 0 OHM J 1/16W	M1M2
W2			R92-1252-05	CHIP R 0 OHM J 1/16W	KK1
W3			R92-1252-05	CHIP R 0 OHM J 1/16W	
S12			S70-0106-05	TACT SWITCH	
S11			T99-0457-15	ROTARY ENCODER	
D71-77			UDZS5.6B	ZENER DIODE	
D78			DA204U	DIODE	
D96			UDZS5.6B	ZENER DIODE	KK1M1
D96			UDZS5.6B	ZENER DIODE	M2
ED1	2C	✻	HNR-03SS09T	FLUORESCENT INDICATOR TUBE	
IC1			LC75756W	MOS-IC	
IC3		✻	PNA4S22M02KW	ANALOGUE IC	KK1M1
IC3		✻	PNA4S22M02KW	ANALOGUE IC	M2
Q1,2			2SC5383 (E,F)	TRANSISTOR	E1E2
Q21			RT1P141U	TRANSISTOR	

CD PLAYER UNIT (X32-5860-00)

C1,2			CK73GB1A105K	CHIP C 1.0UF K	
C3,4			CC73GCH1H681J	CHIP C 680PF J	
C5,6			CC73GCH1H680J	CHIP C 68PF J	

Ref. No.	Add	New	Parts No.	Description	Destination
C7,8			CK73GB1H222K	CHIP C 2200PF K	
C9			CK73GB1H104K	CHIP C 0.10UF K	
C10			CK73FB0J106K	CHIP C 10UF K	
C11			CK73GB1H103K	CHIP C 0.010UF K	
C12			CK73GB1A105K	CHIP C 1.0UF K	
C20			CC73GCH1H391J	CHIP C 390PF J	
C21			CK73GB1H472K	CHIP C 4700PF K	
C22			CK73GB1H152K	CHIP C 1500PF K	
C23			CC73GCH1H391J	CHIP C 390PF J	
C24			CK73EB1A475K	CHIP C 4.7UF K	
C25			CK73FB0J106K	CHIP C 10UF K	
C30			CK73GB1H104K	CHIP C 0.10UF K	
C31			CK73GB1A105K	CHIP C 1.0UF K	
C32			CK73GB1H104K	CHIP C 0.10UF K	
C34			CK73FB0J475K	CHIP C 4.7UF K	
C35			CK73GB1H104K	CHIP C 0.10UF K	
C38-40			CK73GB1H104K	CHIP C 0.10UF K	
C41			CK73GB0J225K	CHIP C 2.2UF K	
C42			CK73GB1A105K	CHIP C 1.0UF K	
C43			C92-1792-05	ELECTRO 22UF 6.3WV	
C50			CK73GB1H104K	CHIP C 0.10UF K	
C51			CK73GB1H102K	CHIP C 1000PF K	
C52			CK73GB0J225K	CHIP C 2.2UF K	
C53,54			CK73GB0J475K	CHIP C 4.7UF K	
C55			CK73FB0J106K	CHIP C 10UF K	
C56,57			CK73GB1H104K	CHIP C 0.10UF K	
C58			CK73FB0J475K	CHIP C 4.7UF K	
C60			CK73GB0J225K	CHIP C 2.2UF K	
C61			CK73GB1H104K	CHIP C 0.10UF K	
C62			CK73FB0J475K	CHIP C 4.7UF K	
C63			CK73GB0J225K	CHIP C 2.2UF K	
C64			CK73GB1H152K	CHIP C 1500PF K	
C65,66			CK73GB1H102K	CHIP C 1000PF K	
C67			CK73GB1H152K	CHIP C 1500PF K	
C68			CK73GB1H103K	CHIP C 0.010UF K	
C69			CK73GB1H332K	CHIP C 3300PF K	
C70			CK73GB1H682K	CHIP C 6800PF K	
C71			CK73GB1H104K	CHIP C 0.10UF K	
C72			CK73GB1H103K	CHIP C 0.010UF K	
C73			CC73GCH1H120J	CHIP C 12PF J	
C74			CC73GCH1H060D	CHIP C 6.0PF D	
C75			CK73GB1H104K	CHIP C 0.10UF K	
C76			CC73GCH1H030C	CHIP C 3.0PF C	
C77			CC73GCH1H020C	CHIP C 2.0PF C	
C78			CK73GB0J225K	CHIP C 2.2UF K	
C79,80			CK73GB1H104K	CHIP C 0.10UF K	
C81,82			CC73GCH1H470J	CHIP C 47PF J	
C83			CK73GB1H103K	CHIP C 0.010UF K	
C85			CK73FB0J106K	CHIP C 10UF K	
C96			CK73GB0J475K	CHIP C 4.7UF K	
C100			CK73GB1C224K	CHIP C 0.22UF K	
C101			CK73GB1H103K	CHIP C 0.010UF K	
CN1			E41-2083-15	FLAT CABLE CONNECTOR	
CN2			E41-2297-05	FLAT CABLE CONNECTOR	

K : KDC-MP2032 **K1** : KDC-MP232 **M1** : KDC-MP4033
M2 : KDC-MP4033S **E1** : KDC-W4534 **E2** : KDC-W4534Y

⚠ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5860-00)

Ref. No.	Add	New	Parts No.	Description	Destination
X1			L78-0862-05	RESONATOR (16.00MHZ)	
X2			L78-0851-05	RESONATOR (16.93MHZ)	
CP1			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP2			RK74GA1J472J	CHIP-COM 4.7K J 1/16W	
CP4,5			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP6,7			RK74HB1J103J	CHIP-COM 10K J 1/16W	
CP8-11			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP12			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP13			RK74GA1J103J	CHIP-COM 10K J 1/16W	
CP27			RK74GB1J472J	CHIP-COM 4.7K J 1/16W	
CP28			RK74GB1J103J	CHIP-COM 10K J 1/16W	
R1,2			RK73GH2A103D	CHIP R 10K D 1/10W	
R3,4			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R5,6			RK73GB2A752J	CHIP R 7.5K J 1/10W	
R7,8			RK73GB2A333J	CHIP R 33K J 1/10W	
R9,10			RK73GH2A103D	CHIP R 10K D 1/10W	
R11,12			RK73GB2A331J	CHIP R 330 J 1/10W	
R14-16			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R20			RK73GB2A123J	CHIP R 12K J 1/10W	
R21			RK73GB2A133J	CHIP R 13K J 1/10W	
R22,23			RK73GB2A123J	CHIP R 12K J 1/10W	
R24			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R25			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R26			RK73GB2A183J	CHIP R 18K J 1/10W	
R27			RK73GB2A163J	CHIP R 16K J 1/10W	
R28			RK73GB2A133J	CHIP R 13K J 1/10W	
R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R30			RK73GB2A101J	CHIP R 100 J 1/10W	
R31			RK73GB2A133J	CHIP R 13K J 1/10W	
R40-44			RK73GB2A103J	CHIP R 10K J 1/10W	
R48			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R50-52			RK73GB2A103J	CHIP R 10K J 1/10W	
R55			RK73GB2A103J	CHIP R 10K J 1/10W	
R56			RK73GB2A101J	CHIP R 100 J 1/10W	
R57			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R70			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R71			RK73GB2A101J	CHIP R 100 J 1/10W	
R72			RK73GB2A333J	CHIP R 33K J 1/10W	
R74			RK73GB2A333J	CHIP R 33K J 1/10W	
R75			RK73GB2A750J	CHIP R 75 J 1/10W	
R78			RK73GB2A103J	CHIP R 10K J 1/10W	
R79			RK73GB2A333J	CHIP R 33K J 1/10W	
R80,81			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R88			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R89			RK73GB2A104J	CHIP R 100K J 1/10W	
R90			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R91			RK73GB2A910J	CHIP R 91 J 1/10W	
R92			RK73GB2A225J	CHIP R 2.2M J 1/10W	
R93			RK73GB2A103J	CHIP R 10K J 1/10W	
R100			RK73GB2A470J	CHIP R 47 J 1/10W	
R101			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R102			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R103,104			RK73GB2A223J	CHIP R 22K J 1/10W	
R112,113			RK73GB2A100J	CHIP R 10 J 1/10W	

Ref. No.	Add	New	Parts No.	Description	Destination
R150			RK73GB2A103J	CHIP R 10K J 1/10W	
R151			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R152			RK73EB2E3R3J	CHIP R 3.3 J 1/4W	
W1			R92-1252-05	CHIP R 0 OHM J 1/16W	
W20,21			R92-1252-05	CHIP R 0 OHM J 1/16W	
S1,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	
D1			DAP202U	DIODE	
IC1			TAR5S33-F	ANALOGUE IC	
IC2			NJM4580V-ZB	ANALOGUE IC	
IC3			BA5824FP	ANALOGUE IC	
IC4		✻	703030BYGCJ21A	MICROCONTROLLER IC	
IC5			XC6219B332MR	ANALOGUE IC	
IC6			BA33BC0WFP	ANALOGUE IC	
IC7		✻	UPD63763CGJ	MOS-IC	
IC11			TC7SET32FU-F	MOS-IC	
Q1			2SA1576A	TRANSISTOR	
Q4			2SB0970	TRANSISTOR	
Q5			DTA143XUA	DIGITAL TRANSISTOR	
Q6			DTC143XUA	DIGITAL TRANSISTOR	
Q7			DTA143XUA	DIGITAL TRANSISTOR	
Q8			DTC143XUA	DIGITAL TRANSISTOR	

ELECTRIC UNIT (X34-416x-xx)

D401			B30-1567-05	LED (1608,RED)	
C1,2			CD04AT1HR47M	ELECTRO 0.47UF 50WV	
C3-6			C90-6735-05	NP-ELECT 0.22UF 50WV	
C51			C90-5683-05	ELECTRO 3300UF 16WV	
C52			CK73GB1H102K	CHIP C 1000PF K	
C55			CK73GB1H103K	CHIP C 0.010UF K	
C71			CD04AS1C220M	ELECTRO 22UF 16WV	
C72			CK73GB1H104K	CHIP C 0.10UF K	
C73			CK73GB1H104K	CHIP C 0.10UF K	M1M2
C74-77			CK73GB1H104K	CHIP C 0.10UF K	
C78			CD04AT1E101M	ELECTRO 100UF 25WV	
C79			CD04AS1C220M	ELECTRO 22UF 16WV	
C80			CD04AT1E101M	ELECTRO 100UF 25WV	
C81			CK73GB1H103K	CHIP C 0.010UF K	
C96			CD04AS1HR47M	ELECTRO 0.47UF 50WV	
C97			CD04BF1C220M	ELECTRO 22UF 16WV	
C112,113			CC73GCH1H100D	CHIP C 10PF D	E1E2
C116			CC73GCH1H331J	CHIP C 330PF J	E1E2
C117			CD04AS1V100M	ELECTRO 10UF 35WV	E1E2
C118			CK73GB1H103K	CHIP C 0.010UF K	E1E2
C119			CD04AS1V100M	ELECTRO 10UF 35WV	E1E2
C153			CK73GB1A105K	CHIP C 1.0UF K	
C201			CK73GB1H103K	CHIP C 0.010UF K	
C255			CD04AS1A330M	ELECTRO 33UF 10WV	KM1M2
C255			CD04AS1A330M	ELECTRO 33UF 10WV	E1E2
C255			CD04AS1V100M	ELECTRO 10UF 35WV	K1
C256			CD04AS1H010M	ELECTRO 1UF 50WV	
C257			C90-5663-05	ELECTRO 1UF 50WV	
C258			CD04AS1H010M	ELECTRO 1UF 50WV	
C301,302			CK73FB1E474K	CHIP C 0.47UF K	
C303			CD04AT1C470M	ELECTRO 47UF 16WV	

K : KDC-MP2032 **K1** : KDC-MP232 **M1** : KDC-MP4033
M2 : KDC-MP4033S **E1** : KDC-W4534 **E2** : KDC-W4534Y
(**E** : Europe **K** : North America **M** : Other Areas **W** : Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-416x-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
C331,332			CD04AT1C100M	ELECTRO	10UF	16WV	
C333,334			CC73GCH1H681J	CHIP C	680PF	J	E1E2
C407			CC73GCH1H220J	CHIP C	22PF	J	
C408			CC73GCH1H180J	CHIP C	18PF	J	
C409			CD04AS0J101M	ELECTRO	100UF	6.3WV	
C410			CK73GB1H103K	CHIP C	0.010UF	K	
C411			CK73GB1C224K	CHIP C	0.22UF	K	
C420			CC73GCH1H102J	CHIP C	1000PF	J	
C422			CC73GCH1H101J	CHIP C	100PF	J	
C502			CK73GB1H152K	CHIP C	1500PF	K	
C503			CK73GB1H104K	CHIP C	0.10UF	K	
C504			CK73GB1H103K	CHIP C	0.010UF	K	
C505			CD04AT1V4R7M	ELECTRO	4.7UF	35WV	
C506			CK73GB1A684K	CHIP C	0.68UF	K	
C507,508			CD04AT1C220M	ELECTRO	22UF	16WV	
C509			CC73GCH1H680J	CHIP C	68PF	J	
C510			CC73GCH1H101J	CHIP C	100PF	J	
C511			CK73GB1H222K	CHIP C	2200PF	K	
C512			CD04AT1C100M	ELECTRO	10UF	16WV	
C513,514			CK73GB1H103K	CHIP C	0.010UF	K	
C515			CD04AT1H010M	ELECTRO	1UF	50WV	
C516			CC73GCH1H100D	CHIP C	10PF	D	
C517,518			CK73GB1A105K	CHIP C	1.0UF	K	
C519,520			CK73GB1A474K	CHIP C	0.47UF	K	
C521,522			CC73GCH1H102J	CHIP C	1000PF	J	
C524			CC73GCH1H180J	CHIP C	18PF	J	
C525			CC73GCH1H150J	CHIP C	15PF	J	
C527			CC73GCH1H102J	CHIP C	1000PF	J	
C531			CK73GB1A105K	CHIP C	1.0UF	K	
C541			CC73GCH1H271J	CHIP C	270PF	J	
C542			CC73GCH1H050C	CHIP C	5.0PF	C	
C543			CC73GCH1H080D	CHIP C	8.0PF	D	
C544			CC73GCH1H150J	CHIP C	15PF	J	
C545			CK73GB1H682K	CHIP C	6800PF	K	
C547			CD04AT1C220M	ELECTRO	22UF	16WV	
C548			CK73GB1H223K	CHIP C	0.022UF	K	
C549			CK73GB1H222K	CHIP C	2200PF	K	
C550			CK73GB1H333K	CHIP C	0.033UF	K	
C551			CK73GB1H103K	CHIP C	0.010UF	K	
C552			CK73GB1H222K	CHIP C	2200PF	K	
C553			CK73GB1H104K	CHIP C	0.10UF	K	
C554			CK73GB1A334K	CHIP C	0.33UF	K	
C556			CK73GB1H103K	CHIP C	0.010UF	K	
C559			CK73GB1H332K	CHIP C	3300PF	K	
C561			CK73GB1H104K	CHIP C	0.10UF	K	
C562			CD04AT1C100M	ELECTRO	10UF	16WV	
C563			CD04AT1HR47M	ELECTRO	0.47UF	50WV	
C564			CK73GB1A474K	CHIP C	0.47UF	K	
C565			CK73FB1C105K	CHIP C	1.0UF	K	
C568			CC73GCH1H271J	CHIP C	270PF	J	
C579			CK73GB1H103K	CHIP C	0.010UF	K	
C581			CC73GCH1H101J	CHIP C	100PF	J	
C582			CK73GB1H223K	CHIP C	0.022UF	K	
C583			CK73GB1H683K	CHIP C	0.068UF	K	
C584-586			CK73GB1A105K	CHIP C	1.0UF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C587			CK73GB1H104K	CHIP C	0.10UF	K	
C588			CK73GB1A474K	CHIP C	0.47UF	K	
C589			CK73GB1H104K	CHIP C	0.10UF	K	
C590			CK73GB1H392K	CHIP C	3900PF	K	
C600			CD04AT1A101M	ELECTRO	100UF	10WV	
C601			CK73GB1H223K	CHIP C	0.022UF	K	
C602			CC73GCH1H151J	CHIP C	150PF	J	
C603			CC73GCH1H020C	CHIP C	2.0PF	C	E1E2
C604			CC73GCH1H470J	CHIP C	47PF	J	
C605,606			CC73GCH1H010C	CHIP C	1.0PF	C	
C610			CC73GCH1H010C	CHIP C	1.0PF	C	
C620			CK73GB1A105K	CHIP C	1.0UF	K	
C623,624			CK73GB1H103K	CHIP C	0.010UF	K	
C625-627			CC73GCH1H101J	CHIP C	100PF	J	
C628			CK73GB1A105K	CHIP C	1.0UF	K	
CN2			E41-2244-05	FLAT CABLE CONNECTOR			
CN3			E41-0941-05	PIN ASSY			E1E2
⚠ J1			E58-0991-05	RECTANGULAR RECEPTACLE			
J2			E56-0855-05	CYLINDRICAL RECEPTACLE			
J4			E04-0326-05	RF COAXIAL CABLE RECEPTACLE			
J5			E58-0992-05	RECTANGULAR RECEPTACLE			
J6			E63-0898-05	PIN JACK			
WH1			E39-0717-05	WIRING HARNESS			K
CF51-53			L72-0805-05	CERAMIC FILTER			
CF54			L72-0804-05	CERAMIC FILTER			
L3			L33-1978-05	CHOKE COIL			
L4			L33-2260-05	CHOKE COIL			
L51			L33-1988-05	CHOKE COIL ASSY			
L61			L40-4795-91	SMALL FIXED INDUCTOR (4.7UH,J)			
L101			L40-4795-91	SMALL FIXED INDUCTOR (4.7UH,J)			E1E2
L301			L92-0337-05	CHIP FERRITE			
L501			L40-6891-58	SMALL FIXED INDUCTOR (6.8UH)			
L502			L40-3301-58	SMALL FIXED INDUCTOR (33UH)			
L503			L40-1021-56	SMALL FIXED INDUCTOR (1MH)			
L504			L40-1011-58	SMALL FIXED INDUCTOR (100UH)			
L505			L40-3381-58	SMALL FIXED INDUCTOR (0.33UH)			
L506			L31-0977-15	FM-RF COIL (RF)			
L507			L32-0941-15	FM OSCILLATING COIL (VCO)			
L508			L30-0776-15	FM IFT			
L509			L30-0777-15	AM IFT			
L518			L31-0976-15	FM-RF COIL (ANT)			
L520			L40-3381-58	SMALL FIXED INDUCTOR (0.33UH)			
L521			L40-1073-72	SMALL FIXED INDUCTOR (10NH)			
L600			L92-0607-05	CHIP FERRITE			
L601,602			L92-0397-05	CHIP FERRITE			
L604,605			L92-0609-05	CHIP FERRITE			
X1			L78-0879-05	RESONATOR (10.0MHZ)			
X2			L77-2793-05	CRYSTAL RESONATOR (32.768KHZ)			
X3			L77-2002-05	CRYSTAL RESONATOR (4.332MHZ)			E1E2
X501			L77-2077-05	CRYSTAL RESONATOR (10.25MHZ)			
F	2D		N80-3010-48	PAN HEAD TAPTITE SCREW			
G	2D		N83-3005-48	PAN HEAD TAPTITE SCREW			
H	2D		N83-3020-48	PAN HEAD TAPTITE SCREW			
J	2D		N86-2606-48	BINDING HEAD TAPTITE SCREW			

K : KDC-MP2032 **K1** : KDC-MP232 **M1** : KDC-MP4033
M2 : KDC-MP4033S **E1** : KDC-W4534 **E2** : KDC-W4534Y

⚠ Indicates safety critical components.

 (**E** : Europe **K** : North America **M** : Other Areas **W** : Without Europe)

PARTS LIST

ELECTRIC UNIT (X34-416x-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
R21			RD14BB2C821J	RD	820	J 1/6W	
R51			RK73FB2B683J	CHIP R	68K	J 1/8W	
R52			RK73GB2A393J	CHIP R	39K	J 1/10W	
R53			RK73GB2A104J	CHIP R	100K	J 1/10W	
R54			RK73FB2B203J	CHIP R	20K	J 1/8W	
R55,56			RK73GB2A103J	CHIP R	10K	J 1/10W	
R57			RK73GB2A223J	CHIP R	22K	J 1/10W	
R58			RD14DB2H332J	SMALL-RD	3.3K	J 1/2W	
R59			RD14BB2C333J	RD	33K	J 1/6W	
R60			RK73GB2A103J	CHIP R	10K	J 1/10W	
R61			RK73GB2A223J	CHIP R	22K	J 1/10W	
R72			RD14BB2C472J	RD	4.7K	J 1/6W	
R73			RD14BB2C472J	RD	4.7K	J 1/6W	M1M2E1
R73			RD14BB2C472J	RD	4.7K	J 1/6W	E2
R75-78			RK73GB2A103J	CHIP R	10K	J 1/10W	
R81			RD14BB2C103J	RD	10K	J 1/6W	
R82			RK73GB2A223J	CHIP R	22K	J 1/10W	
R83			RK73GB2A473J	CHIP R	47K	J 1/10W	
R85			RK73GB2A1R0J	CHIP R	1.0	J 1/10W	
R86			RK73EB2E1R0J	CHIP R	1.0	J 1/4W	
R87,88			RK73GB2A1R0J	CHIP R	1.0	J 1/10W	
R89			RK73GB2A1R0J	CHIP R	1.0	J 1/10W	M1M2
R90			RK73GB2A1R0J	CHIP R	1.0	J 1/10W	
R96			RK73GH2A273D	CHIP R	27K	D 1/10W	
R97			RK73GH2A332D	CHIP R	3.3K	D 1/10W	
R98			RK73EB2E102J	CHIP R	1.0K	J 1/4W	
R99			RK73GB2A104J	CHIP R	100K	J 1/10W	
R100			RK73GB2A272J	CHIP R	2.7K	J 1/10W	
R112-114			RK73GB2A222J	CHIP R	2.2K	J 1/10W	E1E2
R130,131			RK73EB2E4R7J	CHIP R	4.7	J 1/4W	
R133			RK73EB2E4R7J	CHIP R	4.7	J 1/4W	
R135-140			RK73EB2E4R7J	CHIP R	4.7	J 1/4W	
R141			RK73EB2E2R2J	CHIP R	2.2	J 1/4W	
R151			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R152			RK73EB2E100J	CHIP R	10	J 1/4W	
R153			RK73EB2E222J	CHIP R	2.2K	J 1/4W	
R156			RK73EB2E102J	CHIP R	1.0K	J 1/4W	
R157-161			RK73EB2E222J	CHIP R	2.2K	J 1/4W	
R162			RK73EB2E102J	CHIP R	1.0K	J 1/4W	
R163			RK73EB2E222J	CHIP R	2.2K	J 1/4W	
R164			RK73EB2E102J	CHIP R	1.0K	J 1/4W	
R172			RD14BB2C102J	RD	1.0K	J 1/6W	KK1E1
R172			RD14BB2C102J	RD	1.0K	J 1/6W	E2
R178			RK73EB2E471J	CHIP R	470	J 1/4W	
R180-182			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R190			RK73GB2A104J	CHIP R	100K	J 1/10W	
R191			RK73GB2A225J	CHIP R	2.2M	J 1/10W	
R193,194			RK73GB2A474J	CHIP R	470K	J 1/10W	
R199			RK73GB2A241J	CHIP R	240	J 1/10W	
R251			RK73GB2A154J	CHIP R	150K	J 1/10W	K1
R251			RK73GB2A333J	CHIP R	33K	J 1/10W	KM1M2
R251			RK73GB2A333J	CHIP R	33K	J 1/10W	E1E2
R252			RK73GB2A473J	CHIP R	47K	J 1/10W	
R253			RK73GB2A432J	CHIP R	4.3K	J 1/10W	
R254			RK73GB2A100J	CHIP R	10	J 1/10W	

Ref. No.	Add	New	Parts No.	Description			Destination
R255			RK73GB2A221J	CHIP R	220	J 1/10W	KM1M2
R255			RK73GB2A221J	CHIP R	220	J 1/10W	E1E2
R255			RK73GB2A331J	CHIP R	330	J 1/10W	K1
R256			RK73GB2A154J	CHIP R	150K	J 1/10W	K1
R256			RK73GB2A223J	CHIP R	22K	J 1/10W	KM1M2
R256			RK73GB2A223J	CHIP R	22K	J 1/10W	E1E2
R257			RK73GB2A123J	CHIP R	12K	J 1/10W	K1
R257			RK73GB2A393J	CHIP R	39K	J 1/10W	KM1M2
R257			RK73GB2A393J	CHIP R	39K	J 1/10W	E1E2
R271			RK73GB2A101J	CHIP R	100	J 1/10W	
R272			RK73GB2A103J	CHIP R	10K	J 1/10W	
R273			RK73GB2A474J	CHIP R	470K	J 1/10W	
R301,302			RK73EB2E100J	CHIP R	10	J 1/4W	
R303			RK73EB2E101J	CHIP R	100	J 1/4W	
R304,305			RK73EB2E472J	CHIP R	4.7K	J 1/4W	
R306			RK73EB2E4R7J	CHIP R	4.7	J 1/4W	
R307-309			RK73EB2E472J	CHIP R	4.7K	J 1/4W	
R310,311			RK73EB2E101J	CHIP R	100	J 1/4W	
R312			RD14BB2C104J	RD	100K	J 1/6W	
R313			RK73GB2A104J	CHIP R	100K	J 1/10W	
R331,332			RK73GB2A271J	CHIP R	270	J 1/10W	
R335,336			RK73GB2A303J	CHIP R	30K	J 1/10W	
R338,339			RD14BB2C101J	RD	100	J 1/6W	
R351,352			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R353			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R355,356			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R358			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R359			RK73GB2A101J	CHIP R	100	J 1/10W	
R360			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R363			RD14BB2C472J	RD	4.7K	J 1/6W	
R365			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R366			RK73EB2E472J	CHIP R	4.7K	J 1/4W	
R367			RK73GB2A104J	CHIP R	100K	J 1/10W	
R368,369			RK73GB2A471J	CHIP R	470	J 1/10W	
R370,371			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R411			RK73GB2A223J	CHIP R	22K	J 1/10W	KK1M1
R411			RK73GB2A223J	CHIP R	22K	J 1/10W	M2
R412			RK73GB2A223J	CHIP R	22K	J 1/10W	E1E2
R413			RK73GB2A223J	CHIP R	22K	J 1/10W	KK1E1
R413			RK73GB2A223J	CHIP R	22K	J 1/10W	E2
R414			RK73GB2A223J	CHIP R	22K	J 1/10W	M1M2
R415			RK73GB2A223J	CHIP R	22K	J 1/10W	
R417,418			RK73GB2A223J	CHIP R	22K	J 1/10W	
R431			RK73GB2A223J	CHIP R	22K	J 1/10W	E1E2
R432			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R433			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R435,436			RK73GB2A103J	CHIP R	10K	J 1/10W	
R437,438			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R439			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R440,441			RK73GB2A473J	CHIP R	47K	J 1/10W	
R450-452			RK73GB2A471J	CHIP R	470	J 1/10W	KK1
R453			RK73GB2A473J	CHIP R	47K	J 1/10W	
R454			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R456			RK73GB2A104J	CHIP R	100K	J 1/10W	
R457			RK73GB2A103J	CHIP R	10K	J 1/10W	

K : KDC-MP2032 **K1** : KDC-MP232 **M1** : KDC-MP4033
M2 : KDC-MP4033S **E1** : KDC-W4534 **E2** : KDC-W4534Y
(**E** : Europe **K** : North America **M** : Other Areas **W** : Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-416x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
R470			RK73GB2A222J	CHIP R 2.2K J 1/10W	E1E2
R471			RK73GB2A103J	CHIP R 10K J 1/10W	KK1M1
R471			RK73GB2A103J	CHIP R 10K J 1/10W	M2
R480			RK73GB2A104J	CHIP R 100K J 1/10W	
R501			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R502,503			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R504			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R505			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R506			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R507			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R520			RK73GB2A221J	CHIP R 220 J 1/10W	
R521			RK73GB2A152J	CHIP R 1.5K J 1/10W	
R522			RK73GB2A223J	CHIP R 22K J 1/10W	
R523			RK73GB2A100J	CHIP R 10 J 1/10W	
R543			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R544			RD14BB2C222J	RD 2.2K J 1/6W	
R545			RK73GB2A333J	CHIP R 33K J 1/10W	
R546			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R561			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R565			RK73GB2A394J	CHIP R 390K J 1/10W	
R566,567			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R589			RK73GB2A473J	CHIP R 47K J 1/10W	
R590			RK73GB2A103J	CHIP R 10K J 1/10W	
R591			RK73GB2A513J	CHIP R 51K J 1/10W	
R592			RK73GB2A223J	CHIP R 22K J 1/10W	
R594			RK73EB2E100J	CHIP R 10 J 1/4W	
R596-598			RD14BB2C100J	RD 10 J 1/6W	
R599			RK73GB2A220J	CHIP R 22 J 1/10W	
R600			RD14BB2C2R2J	RD 2.2 J 1/6W	
R601			RD14BB2C1R0J	RD 1.0 J 1/6W	
R602			RK73GB2A122J	CHIP R 1.2K J 1/10W	
R603			RK73GB2A560J	CHIP R 56 J 1/10W	
R605,606			RK73GB2A100J	CHIP R 10 J 1/10W	
W51			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W53			R92-1252-05	CHIP R 0 OHM J 1/16W	
W57			R92-2053-05	CHIP R 0 OHM J 1/8W	E1E2
W58-60			R92-1252-05	CHIP R 0 OHM J 1/16W	
W61-63			R92-2053-05	CHIP R 0 OHM J 1/8W	
W64			R92-1252-05	CHIP R 0 OHM J 1/16W	
W65,66			R92-2053-05	CHIP R 0 OHM J 1/8W	
W67,68			R92-1252-05	CHIP R 0 OHM J 1/16W	
W69,70			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W71			R92-1252-05	CHIP R 0 OHM J 1/16W	
W72			R92-2053-05	CHIP R 0 OHM J 1/8W	
W73			R92-1252-05	CHIP R 0 OHM J 1/16W	
W75			R92-2053-05	CHIP R 0 OHM J 1/8W	
W76			R92-1252-05	CHIP R 0 OHM J 1/16W	
W78			R92-2053-05	CHIP R 0 OHM J 1/8W	
W79,80			R92-1252-05	CHIP R 0 OHM J 1/16W	
W81,82			R92-2053-05	CHIP R 0 OHM J 1/8W	
W85			R92-2053-05	CHIP R 0 OHM J 1/8W	
W86			R92-1252-05	CHIP R 0 OHM J 1/16W	
W87			R92-2053-05	CHIP R 0 OHM J 1/8W	
W88,89			R92-1252-05	CHIP R 0 OHM J 1/16W	
W90,91			R92-2053-05	CHIP R 0 OHM J 1/8W	

Ref. No.	Add	New	Parts No.	Description	Destination
W92			R92-1252-05	CHIP R 0 OHM J 1/16W	
W93			R92-2053-05	CHIP R 0 OHM J 1/8W	
W94			R92-2053-05	CHIP R 0 OHM J 1/8W	E1E2
W96-98			R92-1252-05	CHIP R 0 OHM J 1/16W	
W99			R92-2053-05	CHIP R 0 OHM J 1/8W	
W102			R92-2053-05	CHIP R 0 OHM J 1/8W	
W252			R92-1252-05	CHIP R 0 OHM J 1/16W	KM1M2
W252			R92-1252-05	CHIP R 0 OHM J 1/16W	E1E2
W506			R92-2053-05	CHIP R 0 OHM J 1/8W	
W604,605			R92-1252-05	CHIP R 0 OHM J 1/16W	
W611			R92-1252-05	CHIP R 0 OHM J 1/16W	
W802			R92-1252-05	CHIP R 0 OHM J 1/16W	
W803			R92-2053-05	CHIP R 0 OHM J 1/8W	
W804,805			R92-1252-05	CHIP R 0 OHM J 1/16W	
W807			R92-1252-05	CHIP R 0 OHM J 1/16W	
W808			R92-2053-05	CHIP R 0 OHM J 1/8W	
W812			R92-2053-05	CHIP R 0 OHM J 1/8W	
W814			R92-2053-05	CHIP R 0 OHM J 1/8W	
W820			R92-2053-05	CHIP R 0 OHM J 1/8W	
W826			R92-2053-05	CHIP R 0 OHM J 1/8W	
W831			R92-1252-05	CHIP R 0 OHM J 1/16W	
W832			R92-2053-05	CHIP R 0 OHM J 1/8W	
W840			R92-1252-05	CHIP R 0 OHM J 1/16W	
W841,842			R92-2053-05	CHIP R 0 OHM J 1/8W	
D3			IMSA-6801-E	SURGE ABSORBER	
D52			MTZJ6.8B	ZENER DIODE	
D53			02DZ6.8F-Y	ZENER DIODE	
D54			MTZJ6.8B	ZENER DIODE	
D55			1SS355	DIODE	
D57			S2V60✻A	DIODE	
D71			MTZJ8.2B	ZENER DIODE	
D72			1SR154-400	DIODE	
D73		✻	1SR139-400T64	DIODE	M1M2E1
D73		✻	1SR139-400T64	DIODE	E2
D74			1SR154-400	DIODE	
D75			1SR154-400	DIODE	M1M2E1
D75			1SR154-400	DIODE	E2
D76		✻	BAV70W	DIODE	
D77		✻	1SR139-400T64	DIODE	
D81			02DZ4.7F-Y	ZENER DIODE	
D162			MTZJ6.2B	ZENER DIODE	
D203			1SS133	DIODE	
D251-258			1SR154-400	DIODE	KM1M2
D251-258			1SR154-400	DIODE	E1E2
D259			1SS133	DIODE	
D260			1SS133	DIODE	KM1M2
D260			1SS133	DIODE	E1E2
D261			1SS355	DIODE	
D301-304			MTZJ6.2B	ZENER DIODE	
D305,306			MTZJ6.8B	ZENER DIODE	
D403		✻	BAV70W	DIODE	
D501			RN739F	DIODE	
D502,503			KP2311ETR-G	DIODE	
D504			KV1430STL-G	VARIABLE CAPACITANCE DIODE	

K : KDC-MP2032 **K1** : KDC-MP232 **M1** : KDC-MP4033
M2 : KDC-MP4033S **E1** : KDC-W4534 **E2** : KDC-W4534Y

⚠ Indicates safety critical components.

 (**E** : Europe **K** : North America **M** : Other Areas **W** : Without Europe)

PARTS LIST

ELECTRIC UNIT (X34-416x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
D506			HVC383B-E	VARIABLE CAPACITANCE DIODE	
IC1		✻	784225GC302A	MICROCONTROLLER IC	
IC3			BD4912-V4	ANALOGUE IC	
IC4			E-TDA7560A	ANALOGUE IC	KM1M2
IC4			E-TDA7560A	ANALOGUE IC	E1E2
IC4			TB2904HQ	ANALOGUE IC	K1
IC6			TC7W02FU-F	MOS-IC	
IC7			E-TDA7479AD	ANALOGUE IC	E1E2
IC8			S-80836CNNB-J	MOS-IC	
IC10			E-TDA7516A	ANALOGUE IC	
IC11			BR24L04FV-W	ROM IC	
IC15			BA00CCWT	ANALOGUE IC	
Q51-53			2SC4155A (Q,R,S)	TRANSISTOR	
Q71			UMC2N	TRANSISTOR	
Q72			2SD2396 (J,K)	TRANSISTOR	
Q74			UMC2N	TRANSISTOR	M1M2E1
Q74			UMC2N	TRANSISTOR	E2
Q151			RT1P144M	TRANSISTOR	
Q155			2SC4155A (Q,R,S)	TRANSISTOR	
Q252			2SA1603A	TRANSISTOR	
Q330			RT1P241M	TRANSISTOR	
Q351,352			RT1N430M	TRANSISTOR	
Q501			HN3G01J (BL)-F	TRANSISTOR	
TH1			PRF21BE471QB2	POSITIVE RESISTOR	
DAUGHTER UNIT (X89-2690-10)					
C221,222			CD04AS1C100M	ELECTRO 10UF 16WV	K
CN90			E41-0956-05	PIN ASSY	K
CN91			E41-0930-05	PIN ASSY	K
R221,222			RK73GB2A271J	CHIP R 270 J 1/10W	K
R225,226			RK73GB2A303J	CHIP R 30K J 1/10W	K
R229,230			RD14BB2C101J	RD 100 J 1/6W	K
Q221,222			DTC143TUA	DIGITAL TRANSISTOR	K
Q225			DTA124EUA	DIGITAL TRANSISTOR	K
MECHANISM ASSY (X92-5470-00)					
2	1B		A10-4827-32	CHASSIS	
5	1B		D10-4576-83	ARM ASSY	
8	2A		D10-4579-23	LEVER ASSY	
10	2A		D10-4581-13	ARM	
11	2A		D10-4582-13	ARM	
12	3A		D10-4583-03	ARM	
13	3A		D10-4584-03	ARM	
14	3B		D10-4585-03	ARM	
15	2A		D10-4586-13	SLIDER	
16	3B		D10-4587-52	SLIDER	
17	2B		D10-4588-13	SLIDER	
18	2B		D10-4595-04	ARM	
19	2B		D10-4596-24	ARM	
22	2A		D13-2151-04	GEAR	
23	2B		D13-2152-04	GEAR	
24	3B		D13-2153-04	GEAR	
25	3B		D13-2154-04	GEAR	
26	3B		D13-2155-04	WORM	
27	2B		D13-2156-14	GEAR	
28	3B		D13-2157-04	GEAR	
29	2B		D13-2158-04	GEAR	
30	2B		D13-2168-04	GEAR	
31	3B		D13-2171-04	GEAR	
32	1B		D13-2381-13	RACK (GEAR)	
33	2A		D14-0759-04	ROLLER	
35	2B		D21-2382-04	SHAFT	
36	1A		D23-0954-04	RETAINER	
37	1B		D39-0246-05	DAMPER	
38	2B		G01-3072-04	EXTENSION SPRING	
39	2A		G01-3073-04	TORSION COIL SPRING	
40	2A		G01-3074-04	EXTENSION SPRING	
41	1B		G01-3075-24	EXTENSION SPRING	
42	2A		G01-3076-04	EXTENSION SPRING	
43	1B		G01-3077-14	EXTENSION SPRING	
44	2B		G02-1399-04	FLAT SPRING	
45	2B		G02-1408-04	FLAT SPRING	
46	2A		G13-1258-04	CUSHION	
51	1A		J21-9676-32	MOUNTING HARDWARE	
52	3B		J21-9677-22	MOUNTING HARDWARE	
53	1B		J21-9678-13	MOUNTING HARDWARE	
55	1A		J90-1001-11	GUIDE	
56	1B		J90-1023-03	GUIDE	
DFPC1	3A		J84-0141-05	FLEXIBLE PRINTED WIRING BOARD	
A	2B		N09-4460-05	TAPTITE SCREW (OVAL P TAPTIT)	
B	1B		N09-6317-05	TAPTITE SCREW (M1.6X6.0)	
C	2B		N09-6004-05	MACHINE SCREW (M1.7X2.5)	
E	2B		N09-6007-05	MACHINE SCREW (PAN M2X2)	
F	1A		N09-6051-05	TAPTITE SCREW (BIND P 2X5)	
G	2A		N19-2163-04	FLAT WASHER	
H	1B		N39-2020-46	PAN HEAD MACHINE SCREW	
J	1B		N09-6108-05	MACHINE SCREW (M2X3.5)	
K	3B		N09-6155-05	SEMS (TAPTITE SCREW) (PT2X6)	
DM1	3B		T42-1066-14	DC MOTOR (SPINDLE)	
DM2	2B		T42-1067-14	DC MOTOR (LOADING)	
DPU1	2B		X93-2130-00	OPTICAL PICKUP ASSY	

K : KDC-MP2032 **K1** : KDC-MP232 **M1** : KDC-MP4033
M2 : KDC-MP4033S **E1** : KDC-W4534 **E2** : KDC-W4534Y
(**E** : Europe **K** : North America **M** : Other Areas **W** : Without Europe)

⚠ Indicates safety critical components.

KDC-MP2032/MP232/MP4033/
KDC-MP4033S/W4534/W4534Y

SPECIFICATIONS

KDC-MP2032/MP232/MP4033/MP4033S

FM

Frequency Range (Frequency Step)
KDC-MP2032/MP232 ..... 87.9MHz~107.9MHz (200kHz)
KDC-MP4033/MP4033S ..... 87.5MHz~108.0MHz (50kHz)
..... 87.9MHz~107.9MHz (200kHz)
Channel Space Selection 50kHz/200kHz
Usable Sensitivity (S/N : 30dB) 9.3dBf (0.8µV/75Ω)
Quieting Sensitivity (S/N : 50dB) 15.2dBf (1.6µV/75Ω)
Frequency Response (±3.0dB) ..... 30Hz~15kHz
S/N ..... 70dB (MONO)
Selectivity ..... ≧80dB (±400kHz)
Stereo Separation 40dB (1kHz)

AM (MW)

Frequency Range (Frequency Step)
KDC-MP2032/MP232 ..... 530kHz~1700kHz (10kHz)
KDC-MP4033/4033S ..... 531kHz~1611kHz (9kHz)
..... 530kHz~1700kHz (10kHz)
Channel Space Selection 9kHz/10kHz
Usable Sensitivity (S/N : 20dB) 28dBµV (25µV)

CD

Laser Diode ..... GaAlAs
Digital Filter (D/A) ..... 8 Times Over Sampling
D/A Converter ..... 1 Bit
Spindle Speed ..... 500rpm~200rpm (CLV)
Wow & Flutter ..... Below Mesurable Limit
Frequency Response ..... 10Hz~20kHz (±1dB)
Total Harmonic Distortion 0.01% (1kHz)
S/N Ratio 105dB (1kHz)
Dynamic Range 93dB
Channel Separation 85dB
MP3 Decode ..... Compliant with MPEG-1/2 Audio Layer-3
WMA Decode ..... Compliant with WINDOWS MEDIA AUDIO

Preout Level / Load ..... 2000mV/10kΩ (CD/CD-CH)
Preout Impedance ..... ≦600Ω
Speaker Impedance ..... 4Ω~8Ω

AMPLIFIER

Maximum Power
KDC-MP2032/MP4033/MP4033S ..... 50W x 4
KDC-MP232 ..... 45W x 4
Full Bandwidth Power (at less than 1% THD) ..... 22W x 4

TONE

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

GENERAL

Operating Voltage (11V~16V allowable) 14.4V
Current Consumption 10A
Installation Size (Width) 182mm (7-3/16inch)
(Height) 53mm (2-1/16inch)
(Depth) 155mm (6-1/10inch)
Weight 1.40kg (3.1lbs)

KDC-W4534/W4534Y

FM

Frequency Range (Frequency Step)
..... 87.5MHz~108.0MHz (50kHz)
Usable Sensitivity (S/N : 26dB) 0.7µV/75Ω
Quieting Sensitivity (S/N : 46dB) 1.6µV/75Ω
Frequency Response (±3.0dB) ..... 30Hz~15kHz
S/N ..... 65dB (MONO)
Selectivity ..... ≧80dB (±400kHz)
Stereo Separation 35dB (1kHz)

AM (MW)

Frequency Range (Frequency Step)
..... 531kHz~1611kHz (9kHz)
Usable Sensitivity (S/N : 20dB) 25µV

LW

Frequency Range ..... 153kHz~281kHz
Usable Sensitivity (S/N : 20dB) 45µV

CD

Laser Diode ..... GaAlAs
Digital Filter (D/A) ..... 8 Times Over Sampling
D/A Converter ..... 1 Bit
Spindle Speed ..... 500rpm~200rpm (CLV)
Wow & Flutter ..... Below Mesurable Limit
Frequency Response ..... 10Hz~20kHz (±1dB)
Total Harmonic Distortion 0.01% (1kHz)
S/N Ratio 105dB (1kHz)
Dynamic Range 93dB
Channel Separation 85dB
MP3 Decode ..... Compliant with MPEG-1/2 Audio Layer-3
WMA Decode ..... Compliant with WINDOWS MEDIA AUDIO

Preout Level / Load ..... 2000mV/10kΩ (CD/CD-CH)
Preout Impedance ..... ≦600Ω
Speaker Impedance ..... 4Ω~8Ω

AMPLIFIER

Maximum Power ..... 50W x 4
Power (DIN45324, +B=14.4V) ..... 30W x 4

TONE

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

GENERAL

Operating Voltage (11V~16V allowable) 14.4V
Current Consumption 10A
Installation Size (Width) 182mm
(Height) 53mm
(Depth) 155mm
Weight 1.40kg (3.1lbs)

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