

CD RECEIVER

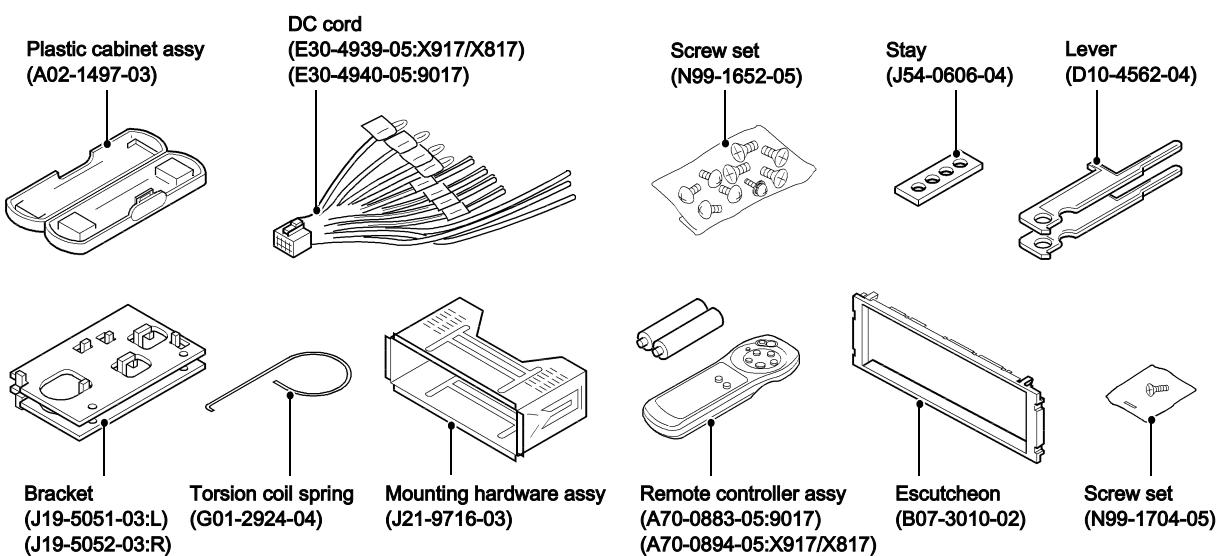
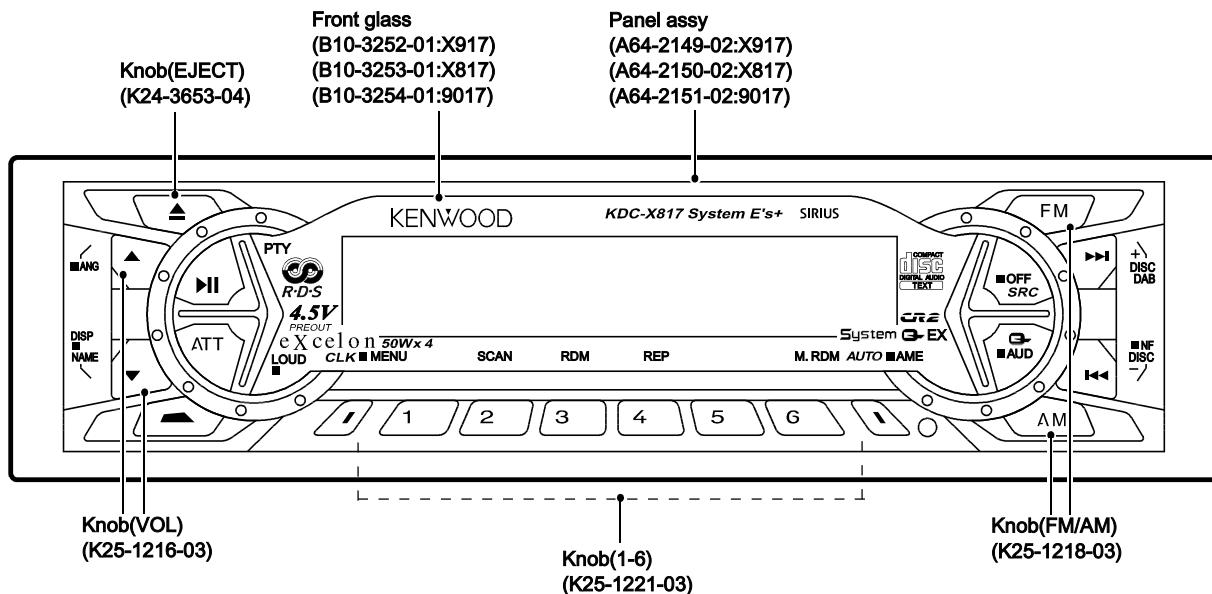
KDC-X917/X817/9017

SERVICE MANUAL

KENWOOD

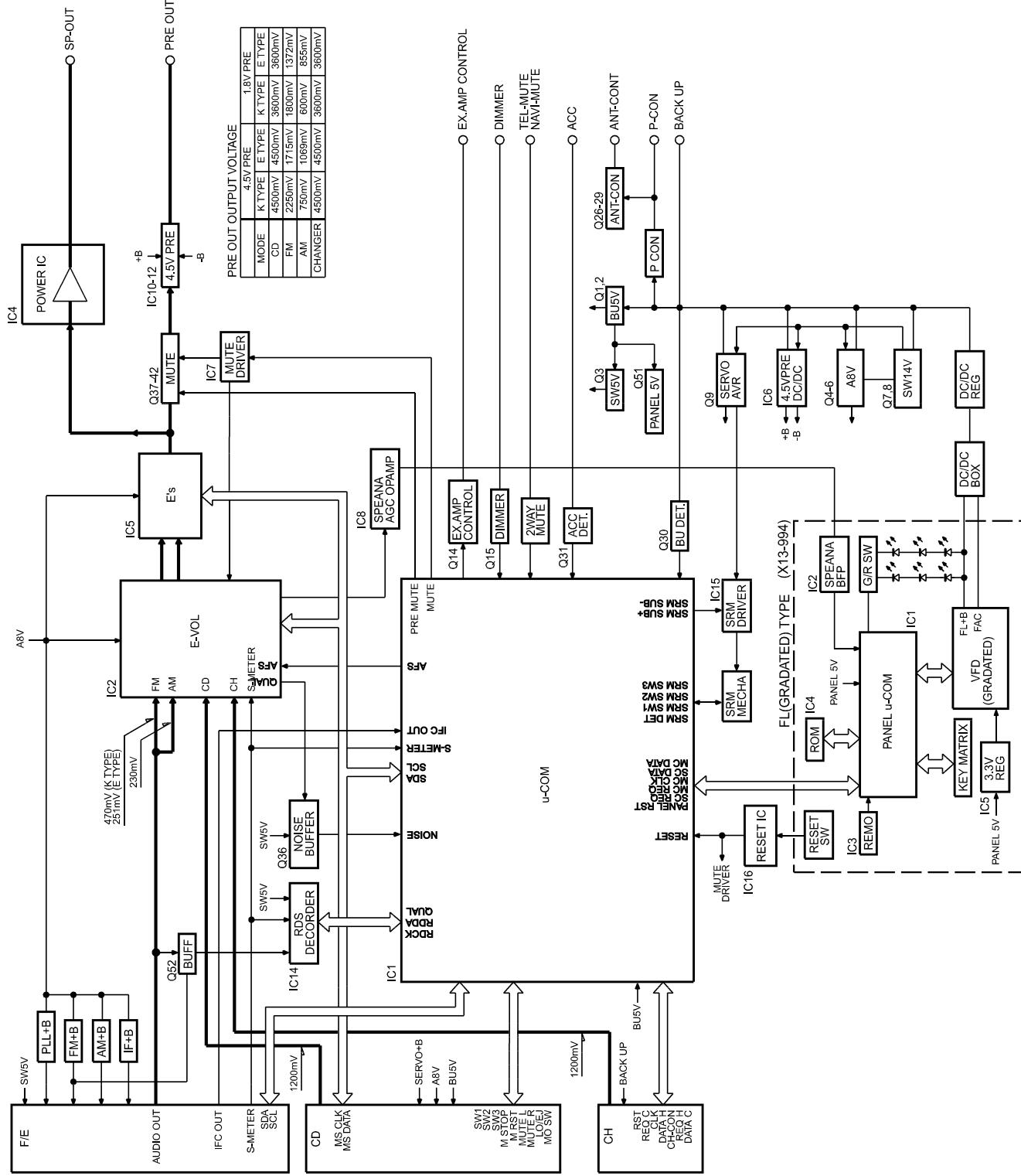
© 2001-1 PRINTED IN JAPAN
B51-7716-00(S) 1529

● KDC-X817



KDC-X917/X817/9017

BLOCK DIAGRAM



KDC-X917/X817/9017

MICROCOMPUTER'S TERMINAL DESCRIPTION

System µ-com: UPD703033GC051

● Terminal description

Pin	Function	I/O	Description	Processing Operation
1	AM+B	O	AM power terminal	H: During AM radio operation
2	FM+B	O	FM power terminal	H: During FM radio operation H: During FM radio operation if with RDS, RBDS
3	AFS	O	Switching terminal for noise detection	L: During AF search, FM seek H: During receive
4	PLL-DATA	I/O	Data I/O terminal to F/E	
5	PLL-CLK	I/O	CLK terminal to F/E	
6	Evdd	-	Positive power terminal	
7	Evss	-	GND terminal	
8	N.C	O	Open (not used)	
9	BEEP	O	BEEP output terminal	
10	N.C	O	Open (not used)	
11	PRE-MUTE L	O		L (during CD): when M MUTE L is L (low) L during momentary power down Fixed at H only during 2 zone
12	PRE-MUTE R	O		L (during CD): when M MUTE R is L (low) L during momentary power down Fixed at H only during 2 zone
13	IC2-SDA	I/O	IC2, IC5, CD mechanism, DATA line	
14	IC2-SCL	O	IC2, IC5, CD mechanism, CLK line	
15	N.C	O	Open (not used)	
16	N.C	O	Open (not used)	
17	N.C	O	Open (not used)	
18	TEST	-	Test terminal	
19	P-MUTE	O	Power IC MUTE terminal	L: During Power-OFF L: During All-OFF L: During Tell-mute
20	P-STBY	O	Power IC STBY terminal	Power IC ON: H. Power IC OFF: L. During All-OFF: H
21	MUTE	O	MUTE terminal	ON: Open OFF: L
22	N.C	O	Open (not used)	
23	N.C	O	Open (not used)	
24	ACC-DET	I	ACC detection terminal	L: ACC H: No ACC
25	DIMMER	I	Small detection terminal	ON: L OFF: H
26	SW5V	O	5 volt power terminal	ON: L OFF: H
27	EXT-AMP-CO	O	External AMP control terminal (200ms)	L 40ms: Bus boost OFF L 70ms: Bus boost LOW L 100ms: Bus boost HI
28	P-CON	O	Power control terminal	Power ON: H Power OFF: L
29	ANT-CON	O	Antenna control terminal	TUNER, TI ON: H Open if no ANT-CON
30	P-ON	O	SW14V control terminal	Power ON: H Power OFF: L
31	RESET	I	Reset IN terminal	H: Normally H: During reset
32	XT1	I	Subclock terminal	Time count Operation during Power-OFF
33	XT2	-	Subclock terminal	
34	REGC	-	Capacitor output terminal for regulator inside microprocessor	
35	X2	-	Main clock terminal	Oscillates: During Power-ON Oscillates stop: During Power-OFF, during momentary power down
36	X1	I	Main clock terminal	
37	Vss	-	GND terminal	
38	Vdd	-	+B terminal	
39	CLKOUT	O	Internal system clock output	
40	N.C	O	Open (not used)	
41	N.C	O	Open (not used)	
42	TYPE0	I	Destination selector port	
43	TYPE1	I	Destination selector port	
44	TYPE2	I	Destination selector port	
45	N.C	O	Open (not used)	
46	IC2TYPE0	I	IC2 destination terminal	L: During default

KDC-X917/X817/9017

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Function	I/O	Description	Processing Operation
47	IC2TYPE1	I	IC2 destination terminal	L: During default
48	CH-REQH	O	Request output to changer	
49	CH-RST	O	Reset output to changer	Normally L, after system RST reset is "H" for 400ms and then "L"
50	CH-MUTE	I	Mute request from changer	ON: H OFF: L
51	CH-CON	O	Changer control output	ON: H OFF: L
52	ILL-ON	O	FL, illumination output	ON: H OFF: L
53	M-MUTE L	I	Mute request from CD mechanism	ON: L
54	M-MUTE R	I	Mute request from CD mechanism	ON: L
55	BVdd	-	+B terminal	
56	BVss	-	GND terminal	
57	M-RST	O	Reset output to CD mechanism	Normally H, L:During reset Per mechanical control specs.
58	M-STOP	O	Stop request to CD mechanism	Stop: L H: During CD
59	N.C	O	Open (not used)	
60	LO/EJ	I/O	CD mechanism, LODING, EJECT selector	Stop, Brake: Hi-z, LODING: L, EJECT: H
61	MOSW	O	CD mechanism, MOTOR, SW	LOADING, EJECT, Brake: H
62	N.C	O	Open (not used)	
63	CD-SW3	I	CD down SW detection terminal	Chucking: H
64	PAN-RESET	O	Reset output to panel microprocessor	Normally H, L: During reset, momentary power down
65	MC-REQ/PAN	I/O	REQ terminal/panel detection for panel microprocessor	L: During panel use
66	N.C	O	Open (not used)	
67	N.C	O	Open (not used)	
68	N.C	O	Open (not used)	
69	N.C	O	Open (not used)	
70	AVCONT	O	AD reference voltage control output	Same timing as P ON H: During operation
71	Avdd	-	+B terminal	
72	Avss	-	GND terminal	
73	Avref	I	Reference voltage supply terminal for A/D converter	
74	PHONE	I	PHONE detection terminal	Tel mute: Min 1 volt, Navi mute: Max.2.5 volt
75	SRM-SW3	I	Mask mechanism position detection input	See 01mask mechanical position detection chart
76	SRM-SW1	I	Mask mechanism position detection input	See 01mask mechanical position detection chart
77	SRM-SW2	I	Mask mechanism position detection input	See 01mask mechanical position detection chart
78	SRM-DET	I	Mask mechanism detection input	L: Mechanism H: No mechanism
79	NOISE	I	FM noise detection terminal	
80	S-METER	I	S meter detection terminal	
81	R-DATA	I	RDS DECODER DATA input terminal	Connect to GND: On models without RDS, RBDS
82	R-QUAL	I	RDS DECODER QUAL input terminal	Connect to GND: On models without RDS, RBDS
83	IFC-OUT	I	F/E IFC OUT input terminal	L: When station present
84	N.C	I	Open (not used)	Connect to GND
85	N.C	I	Open (not used)	Connect to GND
86	SRM-B	O	SRM mechanical submotor output terminal	
87	R-CLK	I	RDS DECODER CLK input terminal	Connect to GHD: On models without RDS, RBDS
88	CH-REQC	I	Input request from changer	ON: L
89	SC-REQ	I	Communication request from panel microprocessor	
90	CD-SW1	I	LOADING SW detection terminal	LOADING start: L
91	CD-SW2	I	12cm disk detection switch terminal	12cm DISC: L
92	SRM+B	O	SRM mechanical submotor output terminal	
93	BU-DET	I	Momentary power down detection terminal	L: B.U H: No B.U (momentary power down)
94	CH-DATAC	I	Data input terminal from changer	
95	CH-DATAH	O	Data input terminal to changer	
96	CH-CLK	I/O	CLK I/O terminal used with changer	
97	SC-DATA	I	Data line from panel microprocessor	
98	MC-DATA	I/O	Data line to panel microprocessor	
99	MC-CLK	O	CLK terminal to panel microprocessor	
100	PAN5V	O	Panel 5 volt control terminal	L: Panel H: No panel

KDC-X917/X817/9017

ADJUSTMENT

Test Mode

1. How to enter test mode

While holding the FM key and the Preset 6 key, reset the unit.

2. How to exit from test mode.

While holding down the Preset 6 key, reset the unit.

Note: Does not exit from test mode ACC-OFF, Power-OFF or Momentary power down

3. Test mode reset status

- Sources are all OFF
- All display segment lit up
- Volume at -10dB (shows 30 on display)
- LOUD is OFF.
- CRSC is OFF regardless of whether switching function is provided.
- SYSTEM Q is in FLAT
- Blank skip is OFF. (C/R model)
- LEDs are white, no scanning. (VLCD model)

4. Special displays in Tuner

When the following displays appear in tuner mode it shows a problem with the front end.

- "TNE2P NG" F/E is not aligned and EEPROM is in reset (no settings) such as when shipped.
- "TNCON NG" Cannot communicate with F/E (front end).

5. K3I switching

Each time the Preset 6 key is pressed in Tuner mode, switches one at a time through the following sequence: AUTO → Forced Wide → Forced Middle → Forced Narrow → AUTO. When reset, displays the following in AUTO.

- AUTO FMA
- Forced Wide FMW
- Forced Middle ... FMM
- Forced Narrow .. FMN

6. CD receiver test mode specifications

- No automatic ejection during reset-start. Does not make a CD check in reset with a CD loaded.
- Using the Track up key jumps to the following tracks.
No.9→No.15→No.10→No.11→No.12→No.13→No.14→and back to No. 9
- Using the Track down key moves 1 track downwards from the track being played.

7. Audio items

- Momentarily pressing the Q key calls up audio adjustment mode.
- Pressing the * key on the remote control calls up audio alignment mode.
- Continuous forward is disabled on the remote control.
- Bass/Middle/Treble are settable in 3 steps of MIN/CENTER/MAX with the Track up/down keys.

- Balance is settable in 3 steps of Left MAX/CENTER/Right MAX with the Track up/down keys.
- Fader is settable in 3 steps of Rear MAX/CENTER/Front MAX with the Track up/down keys.
- HPF is settable in 2 steps of THRU/220Hz with the Track up/down keys.
- LPF is settable in 2 steps of THRU/120Hz with the Track up/down keys.
- Bass f/Bass Q/Bass EXT/Middle f/Middle Q/Treble f do not appear in the audio alignment.

8. Menu items

- Momentarily pressing the CLK key calls up the Menu mode.
- The DNPP/SBF keys on the remote control calls up Menu mode.
- Continuous forward is disabled on the remote control.
- Calendar adjust, calendar display switching and calendar memo are eliminated from forward (FL model)
- In color alignment mode, Preset 1 is red, 2 is blue, 3 is green and 4 is white. (VLCD model).
- Contrast is set in 3 steps of 0, 5, 10 and the reset value is 5. (VLCD/LCD models)
- Brightness adjustment is set in 3 steps of 0, 5, 10 and the reset value is 10. (Normal FL model)

9. Backup current measurement

The MUTE terminal turns off 2 seconds (not 15 seconds) after being reset in ACC off (backup on). (The panel, CD and tape mechanisms are disabled during this time.)

10. Special displays during All-Off with all lamps on

The following displays appear when the preset keys are pressed with all display segment lit up.

PRESET1	Version display (8 digits; Mo. Dy. Hr. Mn.) (Display) SYS XXXXXXXX system microprocessor PAN XXXXXXXX panel microprocessor
PRESET2	Serial No. display (8 digits) Note: CD/RK type eXcelon model (Display) SNo XXXXXXXX
PRESET3	Press once: Power-on time display (Does not count during All-Off) Press long: Clears the time display during power-on. (Display) PonTim XXXXX (C/R) MAX 65535(time)
PRESET4	Press once: TAPE/CD/MD operating time display. Press long: Clears TAPE/CD/MD operating time. (Display) CDTim XXXXX (CD/R) TapTim XXXXX (C/R) MAX 65535(time)
PRESET5	Press once: TAPE/CD/MD eject count display. Press long: Clears TAPE/CD/MD eject count display. (Display) EjeTim XXXXX MAX 65535(count)
PRESET6	Press once: PANEL open/shut count display. Press long: Clears PANEL open/shut count display. (Display) PnCnt XXXXX MAX 65535(count)

KDC-X917/X817/9017

ADJUSTMENT

11. Others

- Automatic panel close is disabled when tape or CD is inserted. (M&T model)
- Panel operation is disabled at Power-ON or Power-OFF. (M&T model)
- Panel open and closes with the ATT key. (M&T model)
- No displays such as "CODE OFF" during Power-ON.
- Pressing the TI (AUTO) key during changer operation turns on 2zone. Cancel by pressing the TI (AUTO) key again. The P/S dot is lit during 2zone.
- Pressing the CLK key for 1 second or more during All OFF, calls up the Mask Key (security) write mode.

Press the remote controller 7 key twice, and press the Track Up key. (Enters an "R")

3. Security function is canceled and unit sets to All-Off mode.
4. Code request mode appears if a mistake was made in entering the numbers.

Security items

• Forced power-ON mode (all models)

Even when writing is permitted by the security function (mask key), Power-on can be set for a 30 minute period each time the reset key is pressed while holding down the ATT key and Preset 4 keys. After 30 minutes elapses, can only be restored by using reset.

• How to register the security code for EEPROM (F/E replacement (coded security models)

1. While holding the FM key and the preset 6 key, reset the unit.
2. Call up security register mode by pressing the CLK key.
3. Enter the code with the Preset 1/2/3/4 keys.

For example, to enter the number, "3510"....

- Press the Preset 1 key 4 times.
- Press the Preset 2 key 6 times.
- Press the Preset 3 key 2 times.
- Press the Preset 4 key 1 time.

4. Hold down the DISP key for at least 3 seconds and the message, "RE-ENTER" appears, so once again enter the code according to Step 3 above.

5. Hold down the DISP key for at least 3 seconds, and the message, "APPROVED" appears.

6. Cancel test mode. (See, 2. How to cancel the test mode.)

Note: All clear cannot be performed on the security code for this model.

• Simple way to clear the security code (K type only)

1. During code request mode, press the VOL UP key for at least 3 seconds while holding down the DISP key.
(--- will disappear)

2. Enter, "KCAR" with the remote controller as described below. (Same as on 00 model.)

Press the remote controller 5 key twice, and press the Track Up key. (Enters a "K")

Press the remote controller 2 key three times, and press the Track Up key. (Enters a "C")

Press the remote controller 2 key once, and press the Track Up key. (Enters an "A")

PC BOARD (Component Side View)

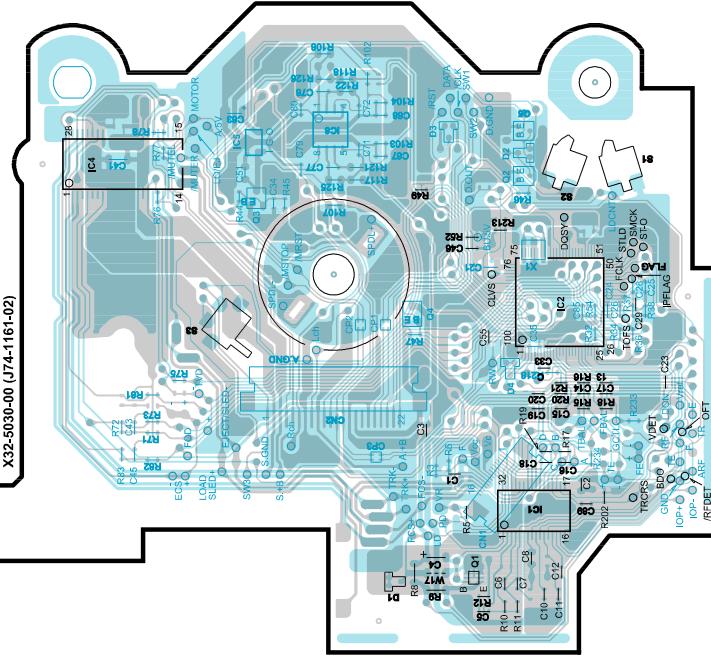
CD PLAYER UNIT

CD PLAYER UNIT
(X32-5030-00)

Ref. No.	Address
1	4B
2	4C
3	2D
4	30
5	1
6	4B
7	4D
8	3D
9	4C
10	4D
11	4C
12	4D
13	4C
14	4D
15	4C
16	4D
17	4C
18	4D
19	4C
20	4D
21	4C
22	4D
23	4C
24	4D
25	4C
26	4D
27	4C
28	4D
29	4C
30	4D
31	4C
32	4D
33	4C
34	4D
35	4C
36	4D
37	4C
38	4D
39	4C
40	4D

CD PLAYER UNIT

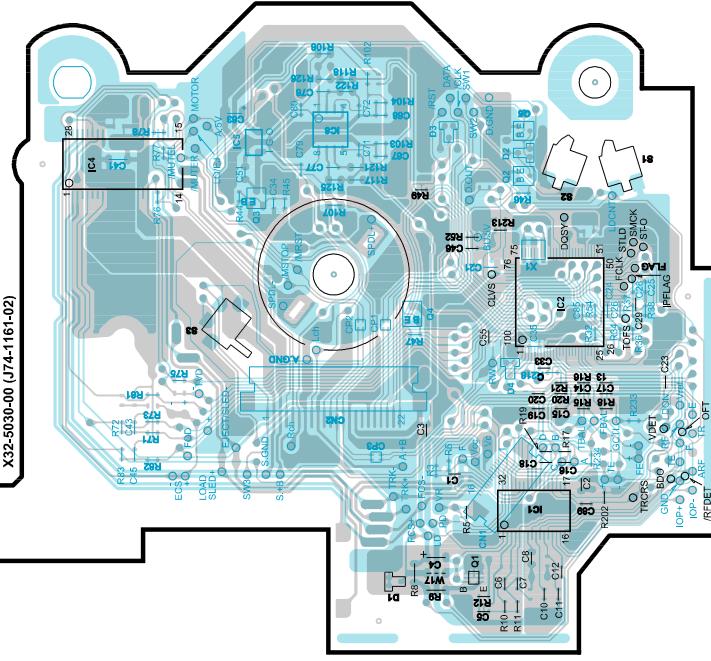
CD PLAYER UNIT
(J74-1161-02)



PC BOARD (Foil Side View)

CD PLAYER UNIT

CD PLAYER UNIT
(J74-1161-02)



CD PLAYER UNIT

CD PLAYER UNIT
(X32-5030-00)

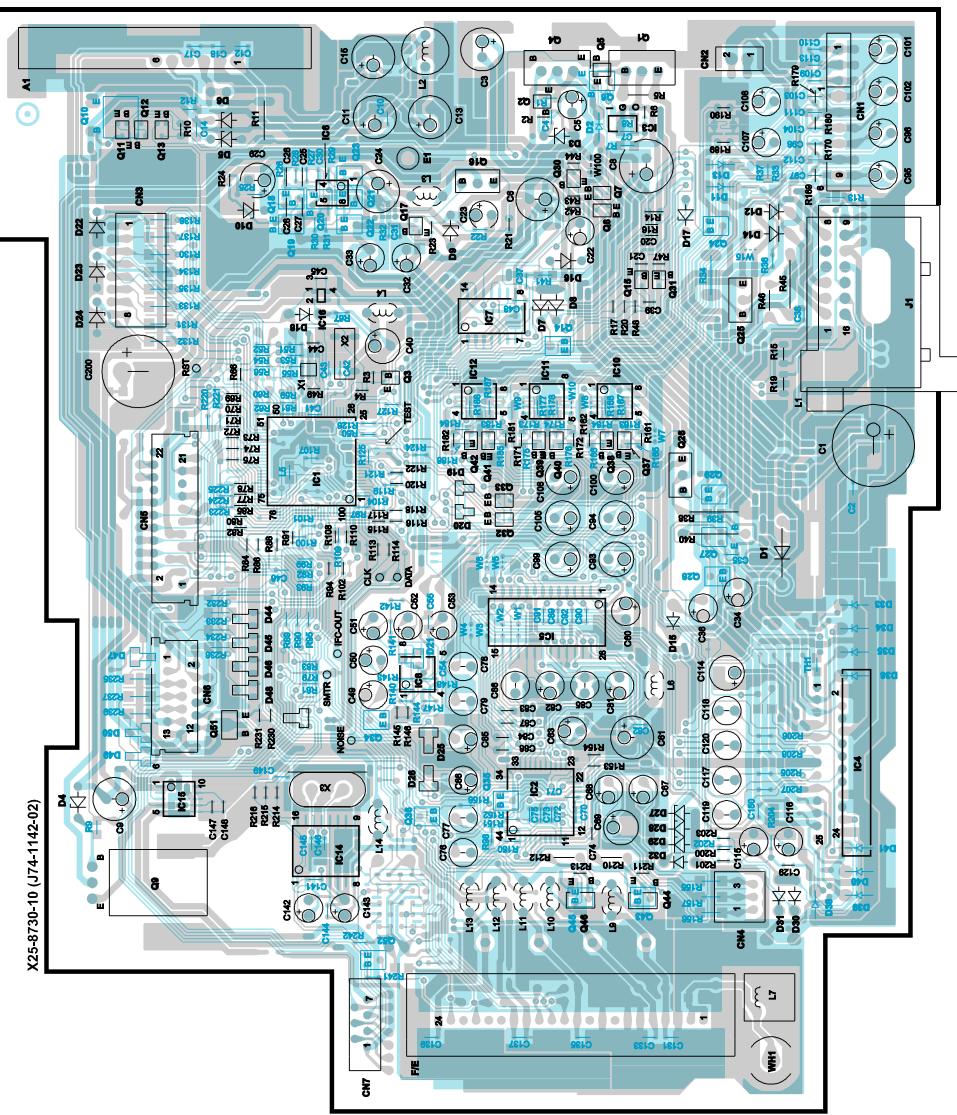
Ref. No.	Address
1	4H
2	4G
3	3F
4	4H
5	4F
6	3F
7	3F
8	4G
9	4F

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

PC BOARD (Component Side View)

ELECTRIC UNIT

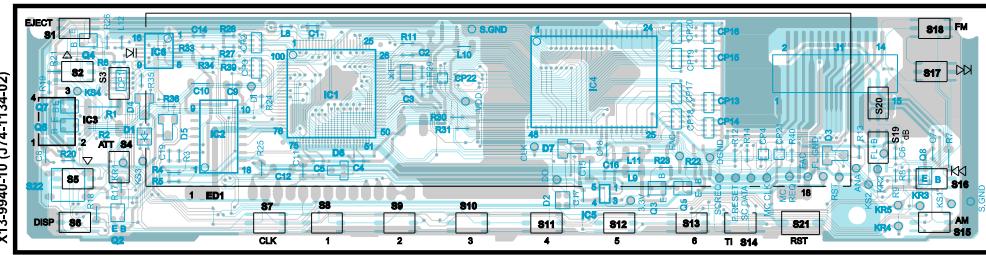
ELECTRIC UNIT
(X25-8730-10 (J74-1142-02))



X25-8730-10 (J74-1142-02)

SWITCH UNIT

SWITCH UNIT
(X13-9940-10 (J74-1134-02))

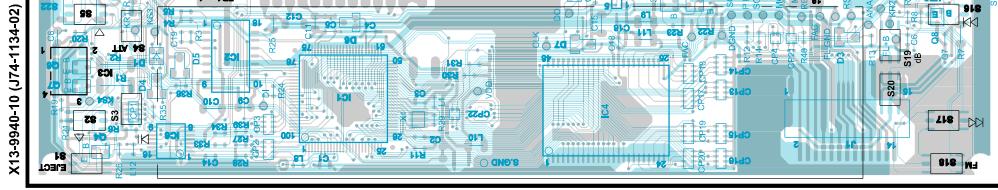


SWITCH UNIT
(X13-9940-10)

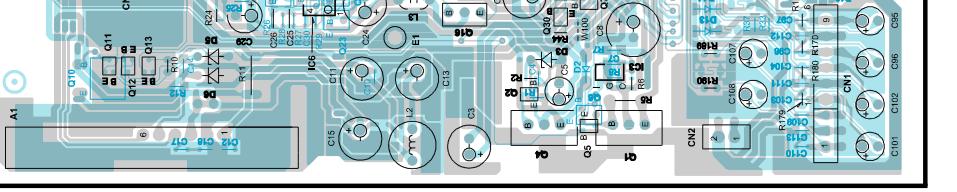
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Foil Side View)

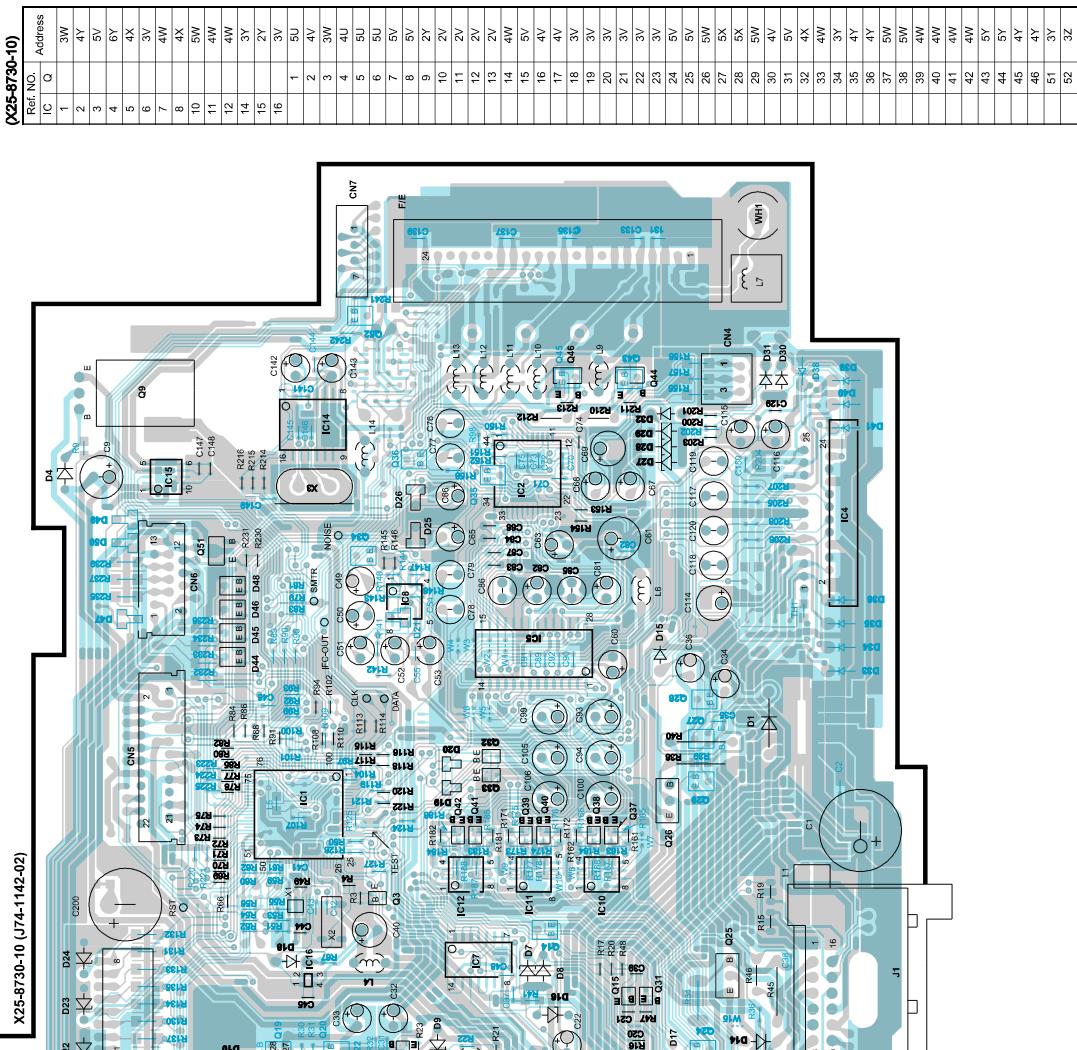
SWITCH UNIT



ELECTRIC UNIT



ELECTRIC UNIT



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

H

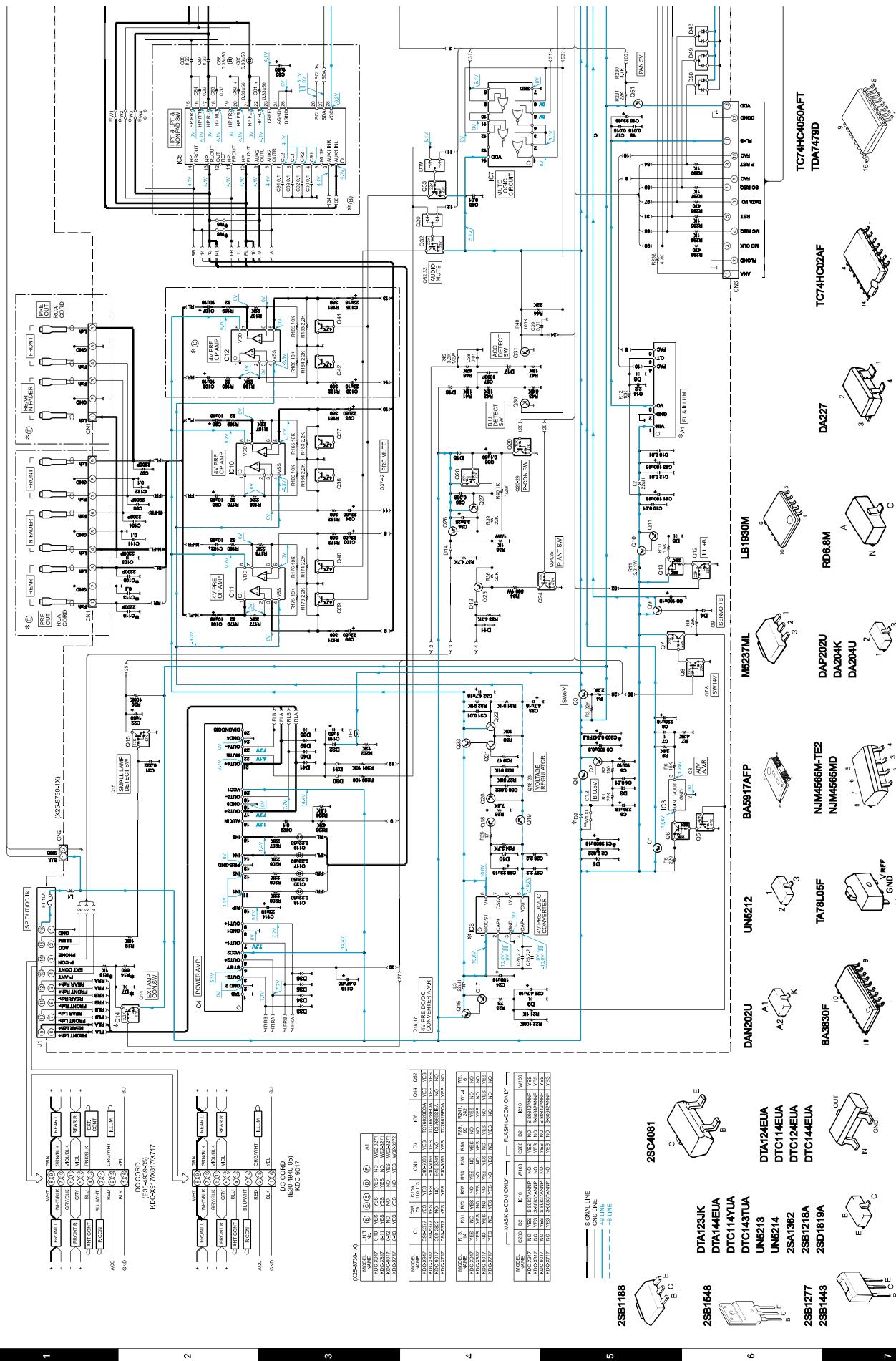
F

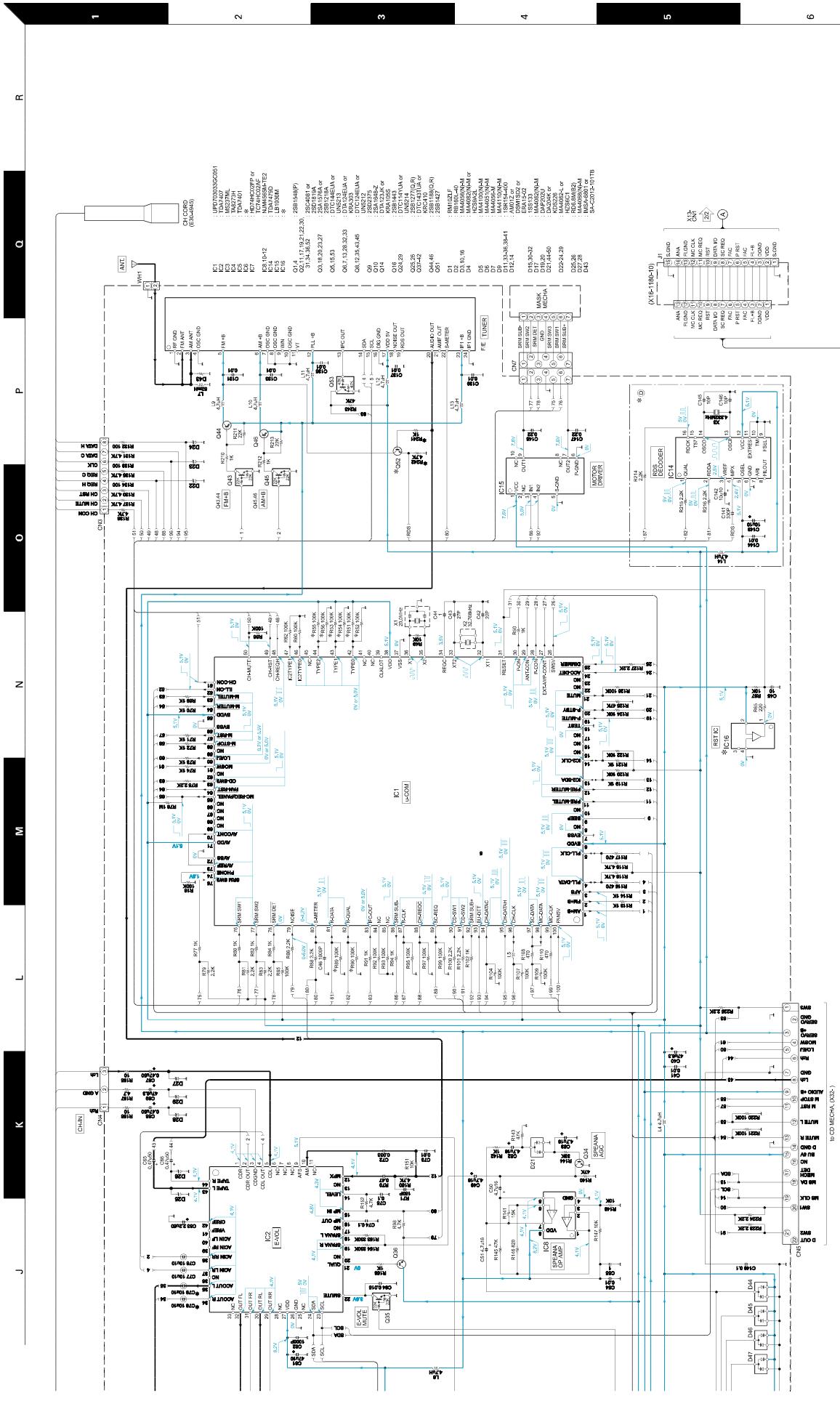
E

D

B

A



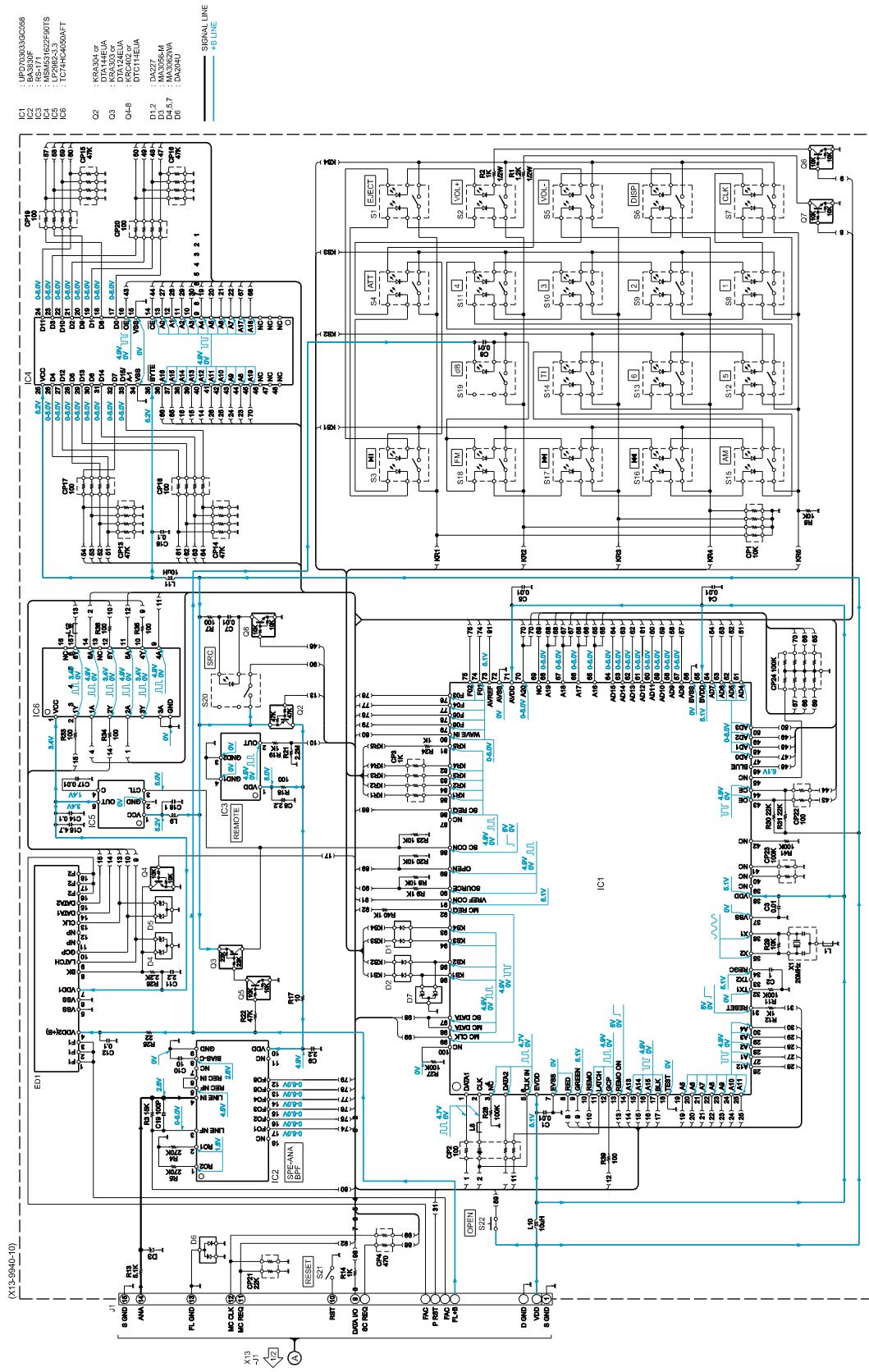


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ¹ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

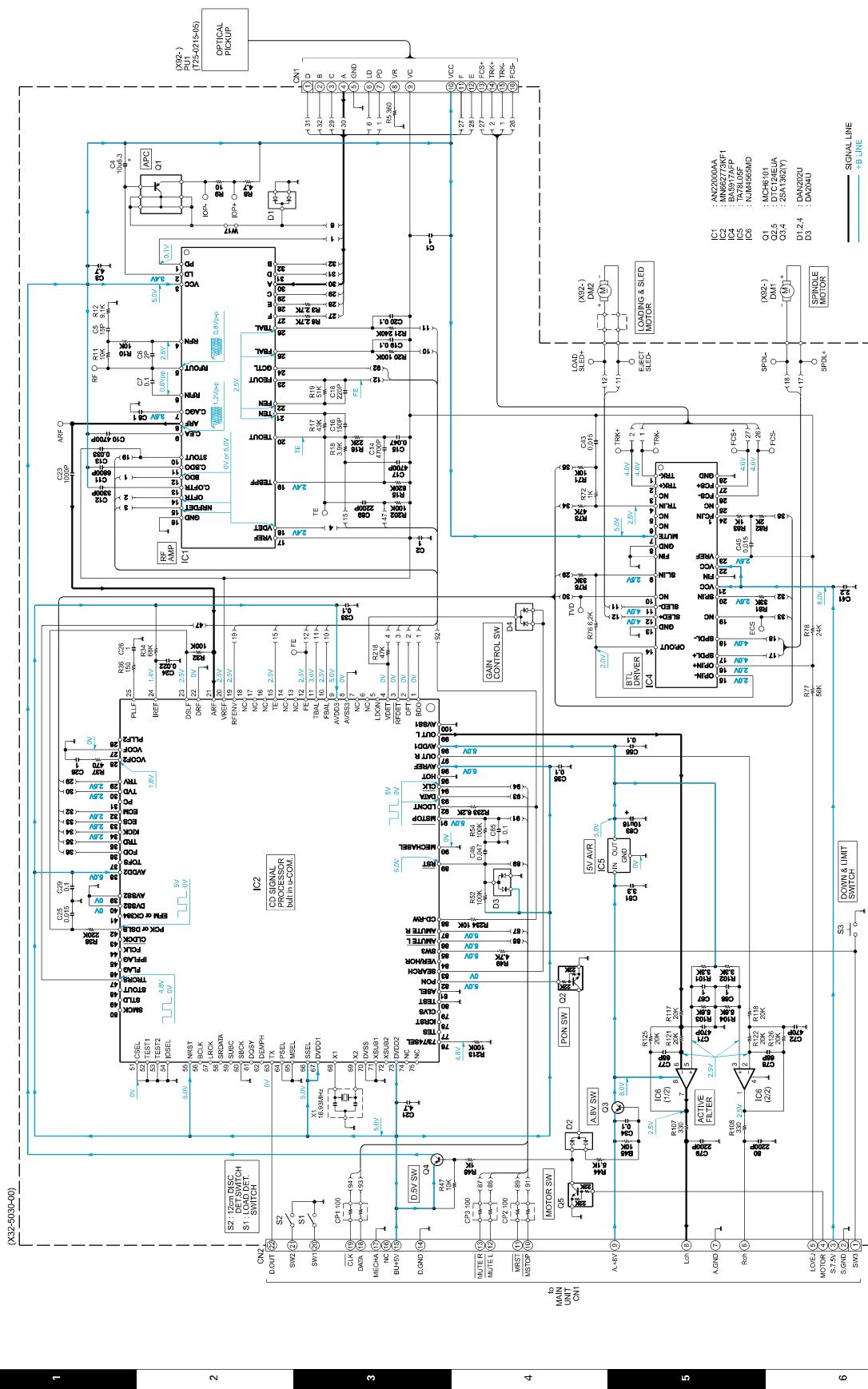
Dc voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or field units.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). \triangle 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 measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



CD MECHANISM



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.

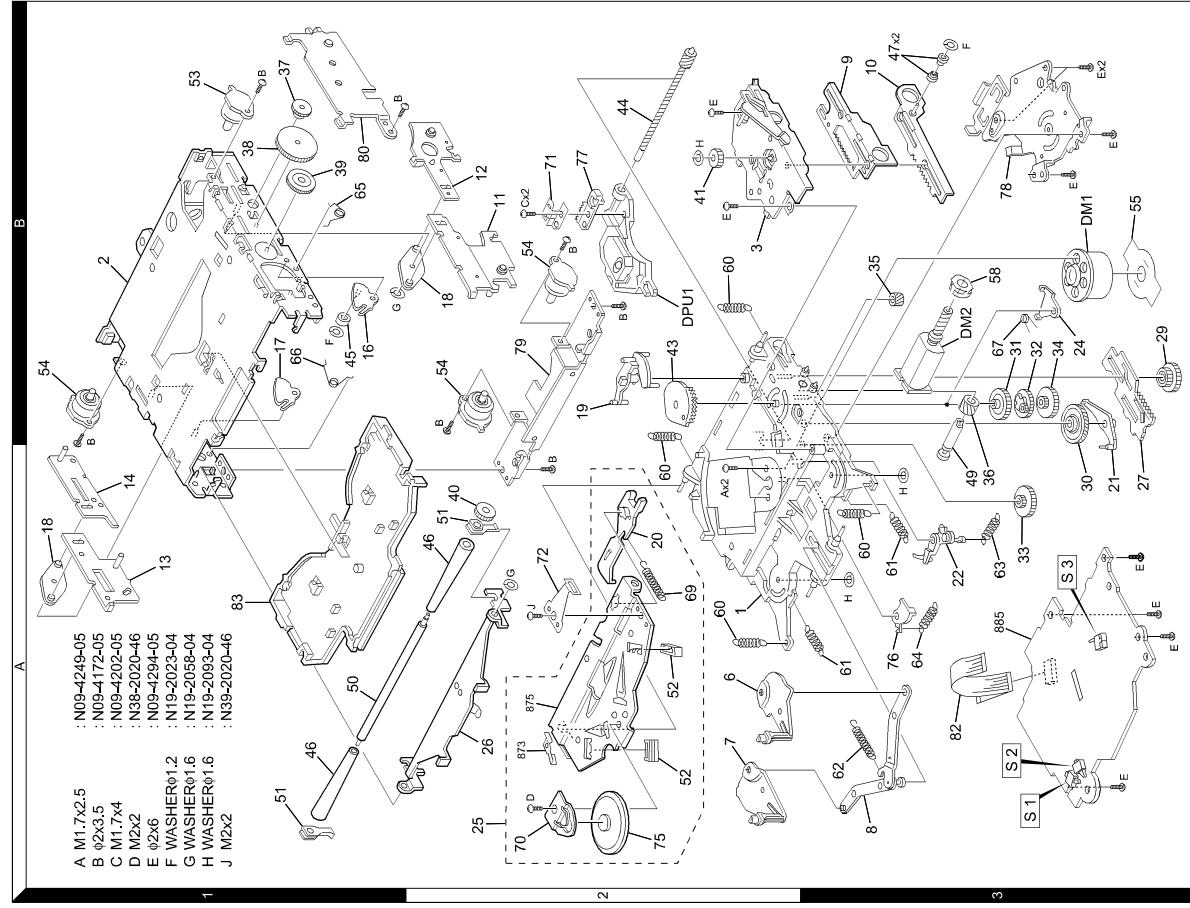
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments on and units.

KDC-X917/X817/9017

EXPLODED VIEW (CD MECHANISM)

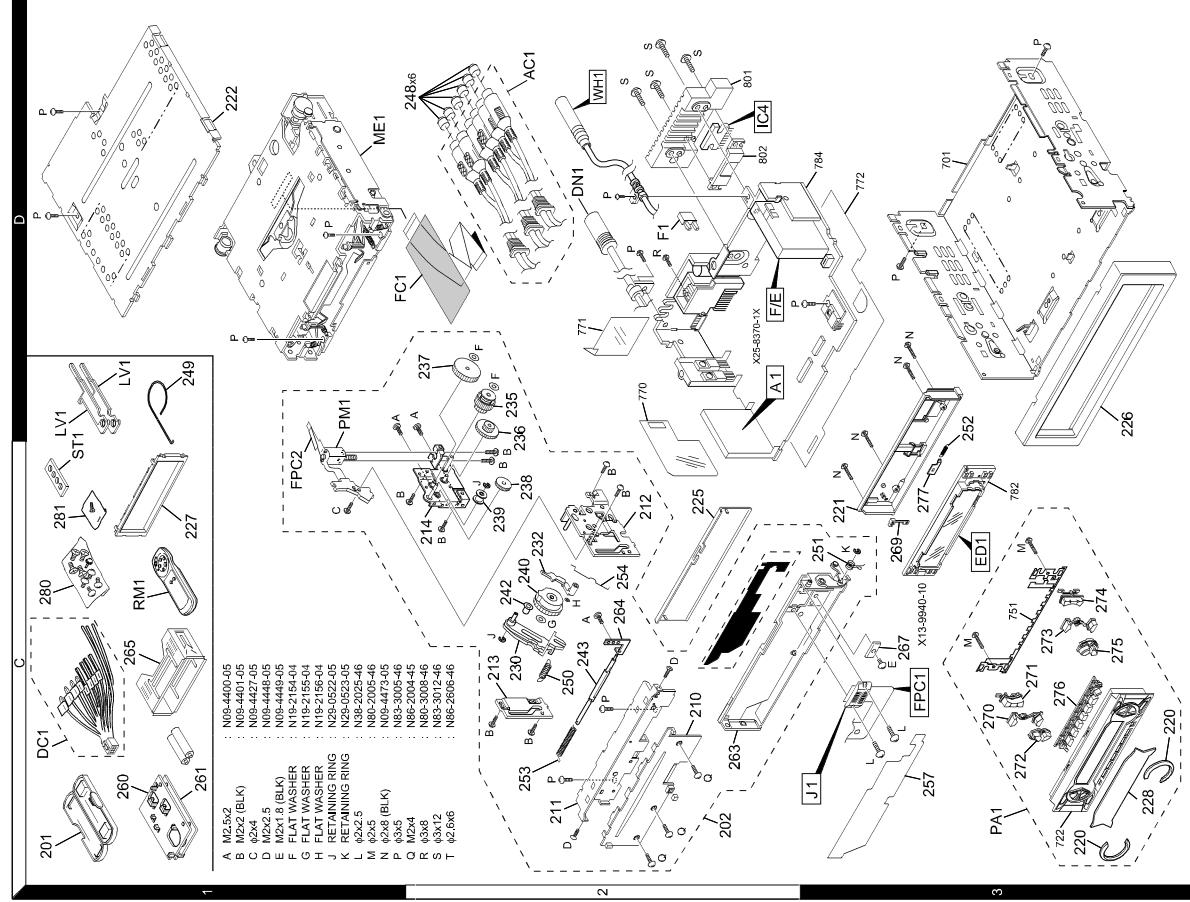
KDC-X917/X817/9017

EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.

Parts with exploded numbers larger than 700 are not supplied.



22

21

KDC-X917/X817/9017

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.

KDC-X917/X817/9017

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
KDC-X917/X817/9017					
201	1C	*	A02-1497-03	PLASTIC CABINET ASSY	
202	2C	*	A10-4803-02	CHASSIS ASSY	
210	2C		A22-2865-03	SUB PANEL ASSY	
211	2C		A10-4805-02	CHASSIS	
212	2C		A10-4807-03	CHASSIS CALKING ASSY	
213	2C		A10-4812-03	CHASSIS	
214	2C		A10-4810-03	CHASSIS CALKING ASSY	
220	3C		A21-4069-03	DRESSING PANEL	
221	3C		A46-1690-01	REAR COVER	
222	1D		A52-0779-02	TOP PLATE	
PA1	3C	*	A64-2149-02	PANEL ASSY	K
PA1	3C	*	A64-2150-02	PANEL ASSY	K1
PA1	3C	*	A64-2151-02	PANEL ASSY	K2
RM1	1C		A70-0883-05	REMOTE CONTROLLER ASSY	K2
RM1	1C		A70-0894-05	REMOTE CONTROLLER ASSY	K,K1
225	2C		B03-3072-02	DRESSING PLATE	K,K1
225	2C		B03-3073-02	DRESSING PLATE	K2
226	3D		B07-3006-03	ESCUOTCHEON ASSY	K,K1
226	3D		B07-3007-03	ESCUOTCHEON ASSY	K2
227	1C		B07-3010-02	ESCUOTCHEON	
228	3C	*	B10-3252-01	FRONT GLASS	K
228	3C	*	B10-3253-01	FRONT GLASS	K1
228	3C	*	B10-3254-01	FRONT GLASS	K2
-			B46-0100-50	WARRANTY CARD	
-			B46-0606-04	ID CARD	
-			B46-0631-13	USER CARD	K,K1
-			B58-1366-04	CAUTION CARD	
-		*	B64-1891-00	INSTRUCTION MANUAL E	
-		*	B64-1892-00	INSTRUCTION MANUAL F,S	
230	2C		D10-4563-04	ARM ASSY	
232	2C		D10-4590-04	ARM	
235	2D		D13-2135-04	GEAR ASSY	
236	2D		D13-2138-04	GEAR	
237	2D		D13-2139-04	GEAR	
238	2C		D13-2140-04	GEAR	
239	2C		D13-2141-04	GEAR ASSY	
240	2C		D13-2165-03	GEAR ASSY	
242	2C		D14-0754-04	ROLLER	
243	2C		D14-0760-03	ROLLER	
LV1	1D		D10-4562-04	LEVER	
AC1	2D		E30-4934-05	CORD WITH PINPLUG	K,K1
AC1	2D		E30-4935-05	CORD WITH PINPLUG	K2
DC1	1C		E30-4939-05	DC CORD	K,K1
DC1	1C		E30-4940-05	DC CORD	K2
DN1	2D		E30-4945-05	CORD WITH DIN CONNECTOR	
FC1	2D		E39-0375-05	FLAT CABLE	
J1	3C		E58-0903-05	RECTANGULAR REC	
248	2D		F29-0049-05	INSULATING COVER	
F1	2D		F52-0006-05	FUSE(MINI BLADE TYPE)	
F1	2D		F52-0011-05	FUSE(MINI BLADE TYPE)	
249	1D		G01-2924-04	TORSION COIL SPRING	

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
250	2C		G01-3065-04	EXTENSION SPRING	
251	3C		G01-3066-04	TORSION COIL SPRING	
252	3C		G01-3069-04	EXTENSION SPRING	
253	2C		G01-3080-04	TORSION COIL SPRING	
254	2C		G09-2038-04	FORMED WIRE	
257	3C		G16-1177-04	HEET	
-			H10-4764-02	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1108-04	PROTECTION BAG (100X300X0.03)	
-			H30-0544-04	ADHESIVE DOUBLE-COATED TAPE	
-			*	H54-2020-03	ITEM CARTON CASE
-			*	H54-2021-03	ITEM CARTON CASE
-			*	H54-2022-03	ITEM CARTON CASE
260	1C		J19-5051-03	BRACKET L	K
261	1C		J19-5052-03	BRACKET R	K1
263	2C		J21-9651-03	Mounting hardware assy	K2
264	2C		J21-9699-04	Mounting hardware	
265	1C		J21-9716-03	Mounting hardware assy	
267	3C		J90-0999-04	GUIDE	
FPC1	3C		J84-0121-12	FLEXIBLE PRINTED WIRING BOARD	
FPC2	1C		J84-0122-04	FLEXIBLE PRINTED WIRING BOARD	
ST1	1C		J54-0606-04	STAY	
269	3C		K24-3646-04	KNOB OPEN	
270	3C		K25-1215-03	KNOB EJECT	
271	3C		K25-1216-03	KNOB VOL	
272	3C		K25-1217-03	KNOB ATT	
273	3C		K25-1218-03	KNOB FM,AM	
274	3C		K25-1219-03	KNOB UP,DOWN	
275	3C		K25-1220-03	KNOB SRC	
276	3C		K25-1221-03	KNOB 1-6	
277	3C		K29-7017-03	KNOB LOCK	
280	1C		N99-1652-05	SCREW SET	
281	1D		N99-1704-05	SCREW SET	
A	2C		N09-4400-05	MACHINE SCREW	
B	2C		N09-4401-05	MACHINE SCREW	
C	1C		N09-4427-05	TAPITIE SCREW	
D	2C		N09-4448-05	MACHINE SCREW	
E	3C		N09-4449-05	MACHINE SCREW	
F	2D		N19-2154-04	FLAT WASHER	
G	2C		N19-2155-04	FLAT WASHER	
H	2C		N19-2156-04	FLAT WASHER	
J	2C		N29-0522-05	RETAINING RING	
K	3C		N29-0523-05	RETAINING RING	
L	3C		N38-2025-46	PAN HEAD MACHIN SCREW	
M	3C		N80-2005-46	PAN HEAD TAPITIE SCREW	
N	3D		N09-4473-05	MACHINE SCREW	
P	1D		N83-3005-46	PAN HEAD TAPITIE SCREW	
Q	2C		N86-2004-45	BINDING HEAD TAPITIE SCREW	
PM1	1C		T42-1034-04	MOTOR ASSY	
ME1	1D		X92-4100-00	MECHANISM ASSY	

K: KDC-X917 K1: KDC-X817 K2: KDC-9017

 indicates safety critical components.

KDC-X917/X817/9017

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.

SWITCH UNIT(X13-9940-10)
SUB CIRCUIT UNIT(X16-1180-10)
ELECTRIC UNIT(X25-8730-1X)

Ref.No.	A d d	N e w	Parts No.	Description		Dest inati on
SWITCH UNIT (X13-9940-10)						
C1			CK73GB1H103K	CHIP C	0.010UF K	
C2			CK73GB0J105K	CHIP C	1.0UF K	
C3-7			CK73GB1H103K	CHIP C	0.010UF K	
C8,9			CK73FB1A225K	CHIP C	2.2UF K	
C10			CK73EB0J106K	CHIP C	10UF K	
C11			CK73FB1A225K	CHIP C	2.2UF K	
C12			C93-1174-05	CERAMIC CAPACITOR (TYPE 2)		
C14			CK73GB1C104K	CHIP C	0.10UF K	
C14			CK73GB1H104K	CHIP C	0.10UF K	
C15			CK73EB1A475K	CHIP C	4.7UF K	
C16			CK73GB0J105K	CHIP C	1.0UF K	
C17			CK73GB1H103K	CHIP C	0.010UF K	
C18			CK73GB1C104K	CHIP C	0.10UF K	
C18			CK73GB1H104K	CHIP C	0.10UF K	
C19			CC73GCH1H101J	CHIP C	100PF J	
J1			E59-0835-05	RECTANGULAR PLUG		
L1			L92-0332-05	CHIP FERRITE		
L8			L92-0332-05	CHIP FERRITE		
L9-11			L40-1015-34	SMALL FIXED INDUCTOR		
L12			L92-0332-05	CHIP FERRITE		
X1			L78-0821-05	RESONATOR		
CP1			R90-0714-05	MULTI-COMP	10K X4	
CP2			R90-1014-05	MULTI-COMP	100 X4	
CP3			R90-0724-05	MULTI-COMP	1K X4	
CP4			R90-1022-05	MULTI-COMP	470 X2	
CP13-16			R90-0748-05	MULTI-COMP	47K X4	
CP17-20			R90-1014-05	MULTI-COMP	100 X4	
CP21			R90-1020-05	MULTI-COMP	22K X2	
CP22			R90-1019-05	MULTI-COMP	100 X2	
R1			R92-2565-05	METAL GLAZE RESISTOR		
R2			R92-0365-05	CHIP R	1.0K J 1/2W	
R3			RK73GB1J153J	CHIP R	15K J 1/16W	
R4,5			RK73GB1J274J	CHIP R	270K J 1/16W	
R6			RK73GB1J103J	CHIP R	10K J 1/16W	
R7			RK73EB2B101J	CHIP R	100 J 1/8W	
R8			RK73GB1J103J	CHIP R	10K J 1/16W	
R9			RK73GB1J102J	CHIP R	1.0K J 1/16W	
R11			RK73GB1J104J	CHIP R	100K J 1/16W	
R12			RK73GB1J102J	CHIP R	1.0K J 1/16W	
R13			RK73GB1J512J	CHIP R	5.1K J 1/16W	
R14			RK73GB1J102J	CHIP R	1.0K J 1/16W	
R17			RK73FB2A100J	CHIP R	10 J 1/10W	
R18			RK73FB2A101J	CHIP R	100 J 1/10W	
R19			RK73GB1J102J	CHIP R	1.0K J 1/16W	
R20			RK73GB1J103J	CHIP R	10K J 1/16W	
R21			RK73GB1J225J	CHIP R	2.2M J 1/16W	
R22			RK73GB1J473J	CHIP R	47K J 1/16W	
R23			RK73GB1J103J	CHIP R	10K J 1/16W	
R24			RK73GB1J102J	CHIP R	1.0K J 1/16W	
R25			RK73FB2A220J	CHIP R	22 J 1/10W	
R26			RK73GB1J222J	CHIP R	2.2K J 1/16W	
R27,28			RK73GB1J104J	CHIP R	100K J 1/16W	

Ref.No.	A d d	N e w	Parts No.	Description		Dest inati on
SWITCH UNIT(X13-9940-10)						
R29			RK73GB1J103J	CHIP R	10K J 1/16W	
R30,31			RK73GB1J223J	CHIP R	22K J 1/16W	
R33-36			RK73GB1J101J	CHIP R	100 J 1/16W	
R39			RK73GB1J101J	CHIP R	100 J 1/16W	
R40			RK73GB1J102J	CHIP R	1.0K J 1/16W	
SUB CIRCUIT UNIT (X16-1180-10)						
J1	3C		E58-0903-05	RECTANGULAR RECEPTACLE		
FPC1	3C *		J84-0121-12	FLEXIBLE PRINTED WIRING BOARD		
ELECTRIC UNIT (X25-8730-1X)						
C1			C90-2822-05	ELECTRO	3900UF 16WV	K2
C1			C90-5377-05	ALMINIUM ELECTROLYTIC C.		K,K1
C2			CK73GB1H222K	CHIP C	2200PF K	
C3			C90-2866-05	ELECTRO	2200UF 16WV	
C4			CK73GB1H103K	CHIP C	0.010UF K	
C5			C90-2594-05	ELECTRO	10UF 10WV	
C6			CE04CW0J101M	ELECTRO	100UF 6.3WV	
C7			CK73FB1C105K	CHIP C	1.0UF K	
C8			CE04CW1A221M	ELECTRO	220UF 10WV	
C9			CE04CW1A101M	ELECTRO	100UF 10WV	
C10			CK73GB1H103K	CHIP C	0.010UF K	
C11			C90-2962-05	ELECTRO	100UF 16WV	
C12			CK73GB1H103K	CHIP C	0.010UF K	
C13			C90-2962-05	ELECTRO	100UF 16WV	
C14			CK73FB1A225K	CHIP C	2.2UF K	
C15			C90-5375-05	ALMINIUM ELECTROLYTIC C.		
C17,18			CK73GB1H153K	CHIP C	0.015UF K	
C21			CK73GB1E223K	CHIP C	0.022UF K	
C21			CK73GB1H223K	CHIP C	0.022UF K	
C22			C90-2608-05	ELECTRO	1.0UF 50WV	

KDC-X917/X817/9017

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.

ELECTRIC UNIT(X25-8730-1X)

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on	Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on	
C23			C90-2595-05	ELECTRO	4.7UF 16WV	C114			CE04CW1C220M	ELECTRO	22UF 16WV	
C24			C90-2962-05	ELECTRO	100UF 16WV	C115			C90-2608-05	ELECTRO	1.0UF 50WV	
C25-28			CK73EB1C225K	CHIP C	2.2UF K	C116			C90-2606-05	ELECTRO	0.47UF 50WV	
C29			CE04CW1C220M	ELECTRO	22UF 16WV	C117-120			C90-5296-05	NP-ELECT	0.22UF 50WV	
C30			CK73GB1E223K	CHIP C	0.022UF K	C129			CK73GB1C104K	CHIP C	0.10UF K	
C30			CK73GB1H223K	CHIP C	0.022UF K	C129			CK73GB1H104K	CHIP C	0.10UF K	
C31			CK73GB1H103K	CHIP C	0.010UF K	C131			CK73GB1H103K	CHIP C	0.010UF K	
C32,33			C90-2595-05	ELECTRO	4.7UF 16WV	C133			CK73GB1H103K	CHIP C	0.010UF K	
C34			C90-2598-05	ELECTRO	3.3UF 25WV	C135			CK73GB1H103K	CHIP C	0.010UF K	
C35			CK73GB1C683K	CHIP C	0.068UF K	C137			CK73GB1H103K	CHIP C	0.010UF K	
C36			C90-2602-05	ELECTRO	0.10UF 50WV	C139			CK73GB1H103K	CHIP C	0.010UF K	
C37			CK73GB1H102K	CHIP C	1000PF K	C141			CC73GCH1H331J	CHIP C	330PF J	
C38,39			CK73GB1H103K	CHIP C	0.010UF K	C142,143			C90-2594-05	ELECTRO	10UF 10WV	
C40			CE04CW0J470M	ELECTRO	47UF 6.3WV	C144			CK73GB1H103K	CHIP C	0.010UF K	
C41			CK73GB1H103K	CHIP C	0.010UF K	C145,146			CC73GCH1H100D	CHIP C	10PF D	
C42			CC73GCH1H220J	CHIP C	22PF J	C147,148			CK73GB1A224K	CHIP C	0.22UF K	
C43			CC73GCH1H270J	CHIP C	27PF J	C149			CK73GB1C104K	CHIP C	0.10UF K	
C44,45			CK73GB0J105K	CHIP C	1.0UF K	C149			CK73GB1H104K	CHIP C	0.10UF K	
C46			CK73GB1H102K	CHIP C	1000PF K	C150			CK73GB1H222K	CHIP C	2200PF K	
C48			CK73GB1H103K	CHIP C	0.010UF K	CN1			E40-3241-05	PIN ASSY	K2	
C49-53			C90-2595-05	ELECTRO	4.7UF 16WV	CN1			E40-5066-05	PIN ASSY	K,K1	
C54			CK73GB1H103K	CHIP C	0.010UF K	CN2			E40-3237-05	PIN ASSY		
C55			CK73FB1C105K	CHIP C	1.0UF K	CN3			E40-3266-05	PIN ASSY		
C60			C90-2608-05	ELECTRO	1.0UF 50WV	CN4			E40-3261-05	PIN ASSY		
C61			CE04CW1C470M	ELECTRO	47UF 16WV	CN5			E40-9550-05	FLAT CABLE CONNECTOR		
C62			CK73GB1H103K	CHIP C	0.010UF K	CN6			E40-9557-05	FLAT CABLE CONNECTOR		
C63			C90-2610-05	ELECTRO	2.2UF 50WV	CN7			E40-5031-05	FLAT CABLE CONNECTOR		
C65-68			C90-2606-05	ELECTRO	0.47UF 50WV	J1			E58-0863-15	RECTANGULAR RECEPTACLE		
C69			CE04CW0J470M	ELECTRO	47UF 6.3WV	WH1			E30-4804-05	CORD WITH PLUG		
C70			CK73GB1A474K	CHIP C	0.47UF K	WH1			E30-4932-05	CORD WITH PLUG		
C71			CC73GCH1H151J	CHIP C	150PF J	E1			J19-2826-05	HOLDER		
C72			CK73GB1E333K	CHIP C	0.033UF K	L1			L33-1170-05	CHOKE COIL ASSY		
C72			CK73GB1H333K	CHIP C	0.033UF K	L2			L33-1029-05	SMALL FIXED INDUCTOR		
C73			CK73GB1H103K	CHIP C	0.010UF K	L3			L40-2205-91	SMALL FIXED INDUCTOR(22UH,J)		
C74,75			CK73GB1C104K	CHIP C	0.10UF K	L4			L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)		
C74,75			CK73GB1H104K	CHIP C	0.10UF K	L5			L92-0075-05	CHIP FERRITE		
C76-79			C90-2850-05	ELECTRO	10UF 10WV	K,K1			L6	L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)	
C76,77			C90-2850-05	ELECTRO	10UF 10WV	K2			L7	L33-1039-05	LINE FILTER COIL	
C81,82			C90-2605-05	ELECTRO	0.33UF 50WV	K,K1			L9-13	L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)	
C83,84			CK73FB1C334K	CHIP C	0.33UF K	K,K1			L9-14	L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)	
C85,86			C90-5356-05	ALMINIUM ELECTROLYTIC C.		K,K1		X1	X1	L78-0821-05	RESONATOR	K2
C87,88			CK73FB1C334K	CHIP C	0.33UF K	K,K1		X2		L77-2738-05	CRYSTAL RESONATOR	K,K1
C89-92			CK73GB1C104K	CHIP C	0.10UF K	K,K1		X3		L77-2002-05	CRYSTAL RESONATOR	
C89-92			CK73GB1H104K	CHIP C	0.10UF K	K,K1						
C93,94			CE04CW1C220M	ELECTRO	22UF 16WV	P	2D		N83-3005-46	PAN HEAD TAPPIE SCREW		
C95,96			C90-2597-05	ELECTRO	10UF 16WV	R	2D		N80-3008-46	PAN HEAD TAPPIE SCREW		
C97,98			CK73GB1H222K	CHIP C	2200PF K	S	2D		N83-3012-46	PAN HEAD TAPPIE SCREW		
C99,100			CE04CW1C220M	ELECTRO	22UF 16WV	T	2D		N86-2606-46	BINDING HEAD TAPPIE SCREW		
C101,102			C90-2597-05	ELECTRO	10UF 16WV							
C103,104			CK73GB1H222K	CHIP C	2200PF K							
C105,106			CE04CW1C220M	ELECTRO	22UF 16WV	R1			RK73FB2A223J	CHIP R	22K J 1/10W	
C107,108			C90-2597-05	ELECTRO	10UF 16WV	R2			RK73GB1J101J	CHIP R	100 J 1/16W	
C109,110			CK73GB1H222K	CHIP C	2200PF K	R3			RK73GB1J223J	CHIP R	22K J 1/16W	
C111-113			CK73FB1H104K	CHIP C	0.10UF K	R4			RK73GB1J222J	CHIP R	2.2K J 1/16W	
C111,112			CK73FB1H104K	CHIP C	0.10UF K	R6			RK73GB1J153J	CHIP R	15K J 1/16W	

K: KDC-X917 K1: KDC-X817 K2: KDC-9017

 indicates safety critical components.

KDC-X917/X817/9017

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.

ELECTRIC UNIT(X25-8730-1X)

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on	Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
R171,172			RK73FB2A361J	CHIP R 360 J 1/10W		D21			DA204K	DIODE	
R173,174			RK73FB2A222J	CHIP R 2.2K J 1/10W		D21			KDS226	DIODE	
R175,176			RK73FB2A103J	CHIP R 10K J 1/10W		D22-24			HZS6C1	ZENER DIODE	
R177,178			RK73FB2A223J	CHIP R 22K J 1/10W		D22-24			MA4062-L	ZENER DIODE	
R179,180			RK73FB2A820J	CHIP R 82 J 1/10W		D25,26			RD6.8M(B2)	ZENER DIODE	
R181,182			RK73FB2A361J	CHIP R 360 J 1/10W	K,K1	D27,28			MA4068(N)-M	ZENER DIODE	
R183,184			RK73FB2A222J	CHIP R 2.2K J 1/10W	K,K1	D29			HZS6C1	ZENER DIODE	
R185,186			RK73FB2A103J	CHIP R 10K J 1/10W	K,K1	D29			MA4062-L	ZENER DIODE	
R187,188			RK73FB2A223J	CHIP R 22K J 1/10W	K,K1	D30-32			1SS133	DIODE	
R189,190			RK73FB2A820J	CHIP R 82 J 1/10W	K,K1	D33-36			1SR154-400	DIODE	
R200			RK73GB1J101J	CHIP R 100 J 1/16W		D38-41			1SR154-400	DIODE	
R201			RK73GB1J103J	CHIP R 10K J 1/16W		D44-50			DA204K	DIODE	
R202			RK73GB1J183J	CHIP R 18K J 1/16W		D44-50			KDS226	DIODE	
R203			RK73GB1J473J	CHIP R 47K J 1/16W		IC1			UPD703033GC051	MI-COM IC	
R204			RK73GB1J152J	CHIP R 1.5K J 1/16W		IC2			TDA7407	ANALOGUE IC	
R205-208			RK73GB1J223J	CHIP R 22K J 1/16W		IC3			M5237ML	IC(VOLTAGE REGULATOR)	
R211			RK73GB1J223J	CHIP R 22K J 1/16W		IC4			TA8273H	ANALOGUE IC	
R213			RK73GB1J223J	CHIP R 22K J 1/16W		IC5			TDA7401	ANALOGUE IC	K,K1
R214-216			RK73GB1J222J	CHIP R 2.2K J 1/16W		IC6			ICL7660SIBA	ANALOGUE IC	K2
R220,221			RK73GB1J104J	CHIP R 100K J 1/16W	K,K1	IC6			TC7662BEOA	ANALOGUE IC	K,K1
R223-225			RK73GB1J222J	CHIP R 2.2K J 1/16W		IC7			HD74HC02FP	MOS-IC	
R230			RK73GB1J472J	CHIP R 4.7K J 1/16W		IC7			TC74HC02AF	IC	
R231			RK73GB1J223J	CHIP R 22K J 1/16W		IC8			NJM4565M-TE2	ANALOGUE IC	
R232			RK73EB2B472J	CHIP R 4.7K J 1/8W		IC10-12			NJM4565M-TE2	ANALOGUE IC	K,K1
R233			RK73EB2B471J	CHIP R 470 J 1/8W		IC10,11			NJM4565M-TE2	ANALOGUE IC	K2
R234,235			RK73EB2B102J	CHIP R 1.0K J 1/8W		IC14			TDA7479D	ANALOGUE IC	
R236			RK73EB2B471J	CHIP R 470 J 1/8W		IC15			LB1930M	ANALOGUE IC	K,K1
R237			RK73EB2B102J	CHIP R 1.0K J 1/8W		IC16			S-80837ANNP	MOS-IC	
R239			RK73EB2B102J	CHIP R 1.0K J 1/8W		Q1			2SB1548(P)	TRANSISTOR	
R241			RK73GB1J102J	CHIP R 1.0K J 1/16W	K,K1	Q2			2SC4081	TRANSISTOR	
R242			RK73GB1J472J	CHIP R 4.7K J 1/16W	K,K1	Q2			ZSD1819A	TRANSISTOR	
W1-6			R92-1252-05	CHIP R 0 OHM	K,K1	Q3			2SA1576A	TRANSISTOR	
D1			RM10ZLF	DIODE		Q3			2SB1218A	TRANSISTOR	
D2			RB160L-40	DIODE		Q4			2SB1548(P)	TRANSISTOR	
D3			MA4056(N)-M	ZENER DIODE		Q5			DTC144EUA	DIGITAL TRANSISTOR	
D4			HZS9A2L	ZENER DIODE		Q5			UN5213	DIGITAL TRANSISTOR	
D4			MA4082(N)-L	ZENER DIODE		Q6,7			DTA124EUA	DIGITAL TRANSISTOR	
D5			MA4100-L	ZENER DIODE		Q6,7			KRA303	DIGITAL TRANSISTOR	
D6			MA4051(N)-M	ZENER DIODE		Q8			DTC124EUA	DIGITAL TRANSISTOR	
D7			MA4056-M	ZENER DIODE		Q8			UN5212	DIGITAL TRANSISTOR	
D9			MA4110(N)-M	ZENER DIODE		Q9			2SD2375	TRANSISTOR	
D10			MA4056(N)-M	ZENER DIODE		Q10			2SA1648-Z	TRANSISTOR	
D11			1SR154-400	DIODE		Q11			2SC4081	TRANSISTOR	
D12			AM01Z	DIODE		Q11			2SD1819A	TRANSISTOR	
D12			DSM1SD2	DIODE		Q12			DTC124EUA	DIGITAL TRANSISTOR	
D12			ERA15-02	DIODE		Q12			UN5212	DIGITAL TRANSISTOR	
D14			ERA15-02	DIODE		Q13			DTA124EUA	DIGITAL TRANSISTOR	
D14			DSM1SD2	DIODE		Q13			KRA303	DIGITAL TRANSISTOR	
D15			1SS133	DIODE		Q14			DTA123JK	DIGITAL TRANSISTOR	
D16			MA4056(N)-M	ZENER DIODE		Q14			KRA105S	DIGITAL TRANSISTOR	
D17			MA4062(N)-M	ZENER DIODE		Q15			DTC144EUA	DIGITAL TRANSISTOR	
D18			1SS133	DIODE		Q15			UN5213	DIGITAL TRANSISTOR	
D19,20			DAP202U	DIODE		Q16			2SB1443	TRANSISTOR	
D18			1SS133	DIODE		Q17			2SC4081	TRANSISTOR	
D19,20			DAP202U	DIODE		Q17			2SD1819A	TRANSISTOR	

K: KDC-X917 K1: KDC-X817 K2: KDC-9017

 indicates safety critical components.

KDC-X917/X817/9017

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.

ELECTRIC UNIT(X25-8730-1X)
CD PLAYER UNIT(X32-5030-00)

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
Q18			2SA1576A	TRANSISTOR	
Q18			2SB1218A	TRANSISTOR	
Q19			2SC4081	TRANSISTOR	
Q19			2SD1819A	TRANSISTOR	
Q20			2SA1576A	TRANSISTOR	
Q20			2SB1218A	TRANSISTOR	
Q21,22			2SC4081	TRANSISTOR	
Q21,22			2SD1819A	TRANSISTOR	
Q23			2SA1576A	TRANSISTOR	
Q23			2SB1218A	TRANSISTOR	
Q24			DTC114YUA	DIGITAL TRANSISTOR	
Q24			UN5214	DIGITAL TRANSISTOR	
Q25,26			2SB1277(Q,R)	TRANSISTOR	
Q27			2SA1576A	TRANSISTOR	
Q27			2SB1218A	TRANSISTOR	
Q28			DTA124EUA	DIGITAL TRANSISTOR	
Q28			KRA303	DIGITAL TRANSISTOR	
Q29			DTC114YUA	DIGITAL TRANSISTOR	
Q29			UN5214	DIGITAL TRANSISTOR	
Q30,31			2SC4081	TRANSISTOR	
Q30,31			2SD1819A	TRANSISTOR	
Q32,33			DTA124EUA	DIGITAL TRANSISTOR	
Q32,33			KRA303	DIGITAL TRANSISTOR	
Q34			2SC4081	TRANSISTOR	
Q34			2SD1819A	TRANSISTOR	
Q35			DTA124EUA	DIGITAL TRANSISTOR	
Q35			UN5212	DIGITAL TRANSISTOR	
Q36			2SC4081	TRANSISTOR	
Q36			2SD1819A	TRANSISTOR	
Q37-40			DTC143TUA	DIGITAL TRANSISTOR	K2
Q37-40			KRC410	DIGITAL TRANSISTOR	K2
Q37-42			DTC143TUA	DIGITAL TRANSISTOR	K,K1
Q37-42			KRC410	DIGITAL TRANSISTOR	K,K1
Q43			DTC124EUA	DIGITAL TRANSISTOR	
Q43			UN5212	DIGITAL TRANSISTOR	
Q44			2SB1188(Q,R)	TRANSISTOR	
Q45			DTC124EUA	DIGITAL TRANSISTOR	
Q45			UN5212	DIGITAL TRANSISTOR	
Q46			2SB1188(Q,R)	TRANSISTOR	
Q51			2SB1427	TRANSISTOR	
Q52			2SC4081	TRANSISTOR	K,K1
Q52			2SD1819A	TRANSISTOR	K,K1
TH1			PTH9C42BD4710	POSITIVE RESISTOR	
A1			W02-3271-05	ELECTRIC CIRCUIT MODULE	
F/E			X86-3240-11	TUNER UNIT	

CD PLAYER UNIT (X32-5030-00)

C1,2		CK73FB1C105K	CHIP C	1.0UF	K	
C3		CK73FB0J475K	CHIP C	4.7UF	K	
C4		C92-0566-05	CHIP-TAN	10UF	6.3WV	
C5		CC73GCH1H150J	CHIP C	15PF	J	
C6		CC73GCH1H020C	CHIP C	2.0PF	C	
C7		CK73GB1C104K	CHIP C	0.10UF	K	
C8		CK73FB1C105K	CHIP C	1.0UF	K	

Ref.No.	A d d	N e w	Parts No.	Description			Dest inati on
C10			CK73GB1H472K	CHIP C	4700PF	K	
C11			CK73GB1H682K	CHIP C	6800PF	K	
C12			CK73GB1H332K	CHIP C	3300PF	K	
C13			CK73GB1C333K	CHIP C	0.033UF	K	
C14			CK73GB1H472K	CHIP C	4700PF	K	
C15			CK73GB1C473K	CHIP C	0.047UF	K	
C16			CC73GCH1H151J	CHIP C	150PF	J	
C17			CK73GB1H472K	CHIP C	4700PF	K	
C18			CC73GCH1H221J	CHIP C	220PF	J	
C19,20			CK73GB1C104K	CHIP C	0.10UF	K	
C21			CK73FB0J475K	CHIP C	4.7UF	K	
C23			CK73GB1H102K	CHIP C	1000PF	K	
C24			CK73GB1E223K	CHIP C	0.022UF	K	
C25			CK73GB1H153K	CHIP C	0.015UF	K	
C26			CK73GB0J105K	CHIP C	1.0UF	K	
C28			CK73GB0J105K	CHIP C	1.0UF	K	
C29			CK73GB1C104K	CHIP C	0.10UF	K	
C33-35			CK73GB1C104K	CHIP C	0.10UF	K	
C41			CK73EB1C225K	CHIP C	2.2UF	K	
C43			CK73GB1H153K	CHIP C	0.015UF	K	
C45			CK73GB1H153K	CHIP C	0.015UF	K	
C46			CK73GB1C473K	CHIP C	0.047UF	K	
C51			CK73FB1C105K	CHIP C	1.0UF	K	
C55			CK73GB1C104K	CHIP C	0.10UF	K	
C63			C92-1359-05	CHIP-TAN	10UF	16WV	
C67,68			CK73GB0J105K	CHIP C	1.0UF	K	
C71,72			CK73GB1H471K	CHIP C	470PF	K	
C77,78			CC73GCH1H680J	CHIP C	68PF	J	
C79,80			CK73GB1H222K	CHIP C	2200PF	K	
C85			CK73GB1C104K	CHIP C	0.10UF	K	
C89			CK73GB1H222K	CHIP C	2200PF	K	
CN1			E40-9536-05	FLAT CABLE CONNECTOR			
CN2			E40-9339-05	FLAT CABLE CONNECTOR			
CN2			E41-0036-05	FLAT CABLE CONNECTOR			
CN2			E41-0129-05	FLAT CABLE CONNECTOR			
X1			L78-0572-05	RESONATOR (16.93MHZ)			
CP1-3			R90-1019-05	MULTI-COMP	100	X	2
R3			RK73GB1J272J	CHIP R	2.7K	J	1/16W
R5			RK73GB1J361J	CHIP R	360	J	1/16W
R6			RK73GB1J272J	CHIP R	2.7K	J	1/16W
R8			RK73EB2B4R7J	CHIP R	4.7	J	1/8W
R9			RK73EB2B100J	CHIP R	10	J	1/8W
R10,11			RK73GB1J103J	CHIP R	10K	J	1/16W
R12			RK73GB1J912J	CHIP R	9.1K	J	1/16W
R15			RK73GB1J824J	CHIP R	820K	J	1/16W
R16			RK73GB1J223J	CHIP R	22K	J	1/16W
R17			RK73GB1J513J	CHIP R	51K	J	1/16W
R18			RK73GB1J392J	CHIP R	3.9K	J	1/16W
R19			RK73GB1J513J	CHIP R	51K	J	1/16W
R20			RK73GB1J104J	CHIP R	100K	J	1/16W
R21			RK73GB1J304J	CHIP R	300K	J	1/16W
R32			RK73GB1J104J	CHIP R	100K	J	1/16W
R34			RK73GB1J683J	CHIP R	68K	J	1/16W

K: KDC-X917 K1: KDC-X817 K2: KDC-9017

 indicates safety critical components.

KDC-X917/X817/9017

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.

CD PLAYER UNIT(X32-5030-00)
CD MECHANISM ASSY(X92-4100-00)

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on	Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
R36			RK73GB1J151J	CHIP R	150 J 1/16W		9	3B		D10-3092-03	SLIDER
R37			RK73GB1J471J	CHIP R	470 J 1/16W		10	3B		D10-3093-04	SLIDER ASSY
R38			RK73GB1J224J	CHIP R	220K J 1/16W		11	2B		D10-3095-04	SLIDER ASSY
R44			RK73GB1J512J	CHIP R	5.1K J 1/16W		12	2B		D10-3096-04	SLIDER ASSY
R45			RK73GB1J103J	CHIP R	10K J 1/16W		13	1A		D10-3099-24	SLIDER ASSY
R46			RK73GB1J102J	CHIP R	1.0K J 1/16W		14	1A		D10-3100-04	SLIDER ASSY
R47			RK73GB1J103J	CHIP R	10K J 1/16W		16	1B		D10-4004-04	LEVER ASSY
R49			RK73GB1J472J	CHIP R	4.7K J 1/16W		17	1B		D10-4006-04	LEVER
R52			RK73GB1J104J	CHIP R	100K J 1/16W		18	1A		D10-4007-04	LEVER
R54			RK73GB1J104J	CHIP R	100K J 1/16W		19	2B		D10-4008-14	LEVER
R71			RK73GB1J103J	CHIP R	10K J 1/16W		20	2A		D10-4009-23	ARM
R72			RK73GB1J102J	CHIP R	1.0K J 1/16W		21	3A		D10-4010-04	LEVER
R73			RK73GB1J473J	CHIP R	47K J 1/16W		22	3A		D10-4307-04	LEVER ASSY
R75			RK73GB1J333J	CHIP R	33K J 1/16W		24	3B		D10-4050-04	ARM
R76			RK73GB1J622J	CHIP R	6.2K J 1/16W		25	3A		D10-4038-23	ARM ASSY
R77			RK73GB1J563J	CHIP R	56K J 1/16W		26	2A		D10-4123-24	LEVER ASSY
R78			RK73GB1J243J	CHIP R	24K J 1/16W		27	3A		D13-1442-03	RACK (GEAR)
R81			RK73GB1J333J	CHIP R	33K J 1/16W		29	3B		D13-1231-04	GEAR
R82			RK73GB1J123J	CHIP R	12K J 1/16W		30	3A		D13-1240-04	GEAR
R83			RK73GB1J102J	CHIP R	1.0K J 1/16W		31	3B		D13-1233-04	GEAR
R101,102			RK73GB1J332J	CHIP R	3.3K J 1/16W		32	3B		D13-1234-14	GEAR ASSY
R103,104			RK73GB1J562J	CHIP R	5.6K J 1/16W		33	3A		D13-1441-03	GEAR
R107,108			RK73FB2A331J	CHIP R	330 J 1/10W		34	3B		D13-1232-04	GEAR
R117,118			RK73FB2A203J	CHIP R	20K J 1/10W		35	3B		D13-1241-04	GEAR
R121,122			RK73FB2A203J	CHIP R	20K J 1/10W		36	3A		D13-1242-04	GEAR
R125,126			RK73FB2A203J	CHIP R	20K J 1/10W		37	1B		D13-1243-04	GEAR
R202			RK73GB1J104J	CHIP R	100K J 1/16W		38	1B		D13-1244-04	GEAR
R213			RK73GB1J104J	CHIP R	100K J 1/16W		39	1B		D13-1245-14	GEAR
R218			RK73GB1J473J	CHIP R	47K J 1/16W		40	2A		D13-1246-04	GEAR
R233			RK73GB1J622J	CHIP R	6.2K J 1/16W		41	2B		D13-1247-04	GEAR
R234			RK73GB1J103J	CHIP R	10K J 1/16W		43	2B		D13-1249-04	GEAR ASSY
W17			R92-2053-05	CHIP R	0 J 1/8W		44	2B		D13-1341-04	GEAR ASSY (LEAD SCREW)
S1,2			S68-0838-05	PUSH SWITCH			45	1B		D14-0668-04	ROLLER
S3			S68-0859-05	PUSH SWITCH			46	2A		D14-0670-04	ROLLER
D1,2			DAN202U	DIODE			47	3B		D14-0674-04	ROLLER
D3			DA204U	DIODE			49	3A		D21-2228-14	SHAFT
D4			DAN202U	DIODE			50	1A		D21-2229-04	SHAFT
IC1			AN22000AA	ANALOGUE IC			51	1A		D23-0925-24	RETAINER
IC2			MN662773KF1	MOS-IC			52	2A		D32-0614-04	STOPPER
IC4			BA5917AFP	ANALOGUE IC			53	1B		D39-0223-05	DAMPER (YELLOW)
IC5			TA78L05F	IC(VOLTAGE REGULATOR/+5V)			54	2B		D39-0224-05	DAMPER (BLACK)
IC6			NJM4565MD	IC(OP AMP X2)			55	3B		F09-1246-04	SHEET
Q1			MCH6101	TRANSISTOR			58	3B		F09-1266-14	SHEET
Q2			DTC124EUA	DIGITAL TRANSISTOR			60	2A		G01-2770-04	EXTENSION SPRING
Q3,4			2SA1362(Y)	TRANSISTOR			61	3A		G01-2771-04	EXTENSION SPRING
Q5			DTC124EUA	DIGITAL TRANSISTOR			62	3A		G01-2772-24	EXTENSION SPRING
CD MECHANISM ASSY (X92-4100-00)							63	3A		G01-2773-14	EXTENSION SPRING
							64	3A		G01-2774-34	EXTENSION SPRING
1	2A	1B	A10-4482-01	CHASSIS			65	1B		G01-2775-04	TORSION COIL SPRING
2	1B	2B	A10-4225-33	CHASSIS CALKING ASSY			66	1B		G01-2776-14	TORSION COIL SPRING
3	2B		A11-0915-43	SUB CHASSIS CALKING ASSY			67	3B		G01-2777-24	TORSION COIL SPRING
6	2A		D10-4306-04	ARM ASSY			69	2A		G01-2844-04	EXTENSION SPRING
7	2A		D10-4305-04	ARM ASSY			70	2A		G02-1231-04	FLAT SPRING
8	3A		D10-3087-44	ARM ASSY							

KDC-X917/X817/9017

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.

CD MECHANISM ASSY(X92-4100-00)

Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
71	2B		G02-1232-24	FLAT SPRING	
72	2A		G02-1241-24	FLAT SPRING	
75	2A		J11-0613-13	CLAMPER	
76	3A		J19-4678-13	HOLDER	
77	2B		J19-4679-24	HOLDER	
78	3B		J21-7684-13	MOUNTING HARDWARE	
79	2B		J21-7686-13	MOUNTING HARDWARE	
80	1B		J21-7690-03	MOUNTING HARDWARE	
82	3A		J84-0107-05	FLEXIBLE PRINTED WIRING BOARD	
83	1A		J90-0757-22	GUIDE	
A	2A		N09-4249-05	MACHINE SCREW (M1.7X2.5,LOCK)	
B	1B		N09-4172-05	TAPPING SCREW (2X3.5,CTITE)	
C	2B		N09-4202-05	STEPPED SCREW	
D	2A		N38-2020-46	PAN HEAD MACHIN SCREW	
E	3A		N09-4294-05	TAPTITE SCREW (BIND P TAPTIT)	
F	3B		N19-2023-04	FLAT WASHER	
G	2A		N19-2058-04	FLAT WASHER	
H	3A		N19-2093-04	FLAT WASHER	
J	2A		N39-2020-46	PAN HEAD MACHIN SCREW	
DM1	3B		T42-0764-04	DC MOTOR ASSY	
DM2	3B		T42-0763-04	DC MOTOR ASSY	
DPU1	2B		T25-0215-05	OPTICAL PICKUP HEAD	

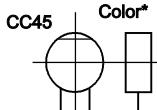
Ref.No.	A d d	N e w	Parts No.	Description	Dest inati on
---------	-------------	-------------	-----------	-------------	---------------------

KDC-X917/X817/9017

PARTS LIST

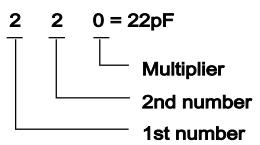
CAPACITORS CC 45 TH 1H 220 J
 1 2 3 4 5 6

1 = Type ... ceramic, electrolytic, etc.
 2 = Shape ... round, square, ect.
 3 = Temp. coefficient
 4 = Voltage rating
 5 = Value
 6 = Tolerance



Capacitor value

010 = 1pF
 100 = 10pF
 101 = 100pF
 102 = 1000pF = 0.001μF
 103 = 0.01μF



Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code		
(%)	±0.25	±0.5	±2	±5	±10	±20	+40	+80	+100	More than 10μF	-10 ~ +50	
							-40	-20	-0	Less than 4.7μF		+75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

Voltage rating

1st word \ 2nd word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
 1 2 3 4 5 6 7 Refer to the table above.

(Chip)(CH,RH<UJ,SL)

1 = Type
 2 = Shape
 3 = Dimension
 4 = Temp. coefficient
 5 = Voltage rating
 6 = Value
 7 = Tolerance

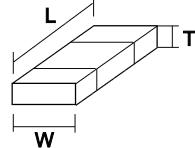
(EX) C K 7 3 F F 1 H 0 0 0 Z
 1 2 3 4 5 6 7

(Chip)(B,F)

Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.0 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0
H	1.0 ± 0.05	0.5 ± 0.05	0.5 ± 0.05

Dimension



RESISTORS

Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
 1 2 3 4 5 6 7

(Chip)(B,F)

Carbon resistor (Nominal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
 1 2 3 4 5 6 7

1 = Type
 2 = Shape
 3 = Dimension
 4 = Temp. coefficient
 5 = Rating wattage
 6 = Value
 7 = Tolerance

Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1
H	1.0 ± 0.05	0.5 ± 0.05	0.35 ± 0.05

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/16W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

KDC-X917/X817/9017

SPECIFICATIONS

FM Section

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

AM Section

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

CD Section

Laser Diode	GaAlAs(λ=780nm)
Digital Filter(D/A)	8 Times Over Sampling
D/A Converter	1Bit
Spindle Speed	500~200(CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	10~20kHz(±1dB)
Total Harmonic Distortion	0.01%(1kHz)
S/N Ratio	105dB(1kHz)
Dynamic Range	93dB
Channel Separation	96dB

AMPLIFIER Section

Preout Level/Load	4500mV/10kΩ(CD/CD-CH)
Preout Impedance	80 Ω
Maximum Power	50W ×4
Full Bandwidth Power	22W ×4
(at less than 1%THD)	

TONE Section

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

General

Operating Voltage	14.4V
(11V~16V allowable)	
Current Consumption	10A
Installation Size (W)	182mm(7-3/16in)
(H)	53mm(2-1/16in)
(D)	162mm(6-3/8in)
Weight	1.9kg(4.2lbs)