

CD RECEIVER

# CKDC-395 CKDC-395A CKDC-495 SERVICE MANUAL

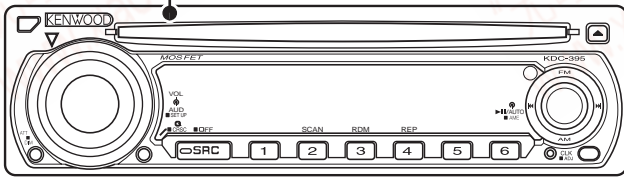
# KENWOOD

Kenwood Corporation

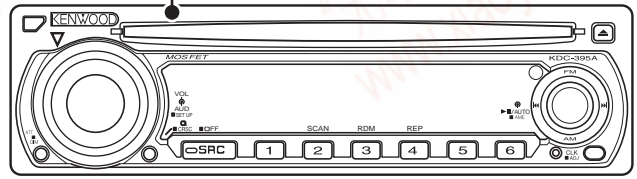
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B53-0280-00 (N) 0

MANUFACTURED BY VISTEON

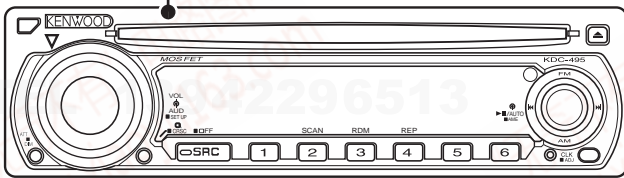
Panel assy  
CKDC-395 (A64-3687-02)



Panel assy  
CKDC-395A (A64-3688-02)

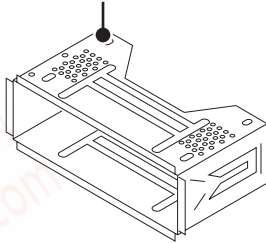


Panel assy  
CKDC-495 (A64-3689-02)

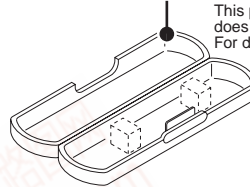


These 3 panel assys do not include any knobs.  
For details, refer to the exploded view.

Mounting hardware assy  
(J22-0227-03)

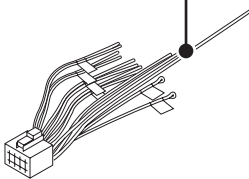


Plastic cabinet  
(A02-2746-01)

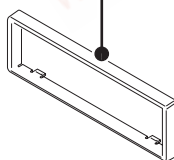


This plastic cabinet  
does not include the 2 cushions.  
For details, refer to the exploded view.

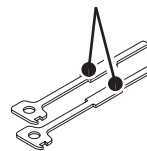
DC cord  
(E30-6123-15)



Escutcheon  
(B07-3160-01)



Lever  
(D10-4705-04) x2



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

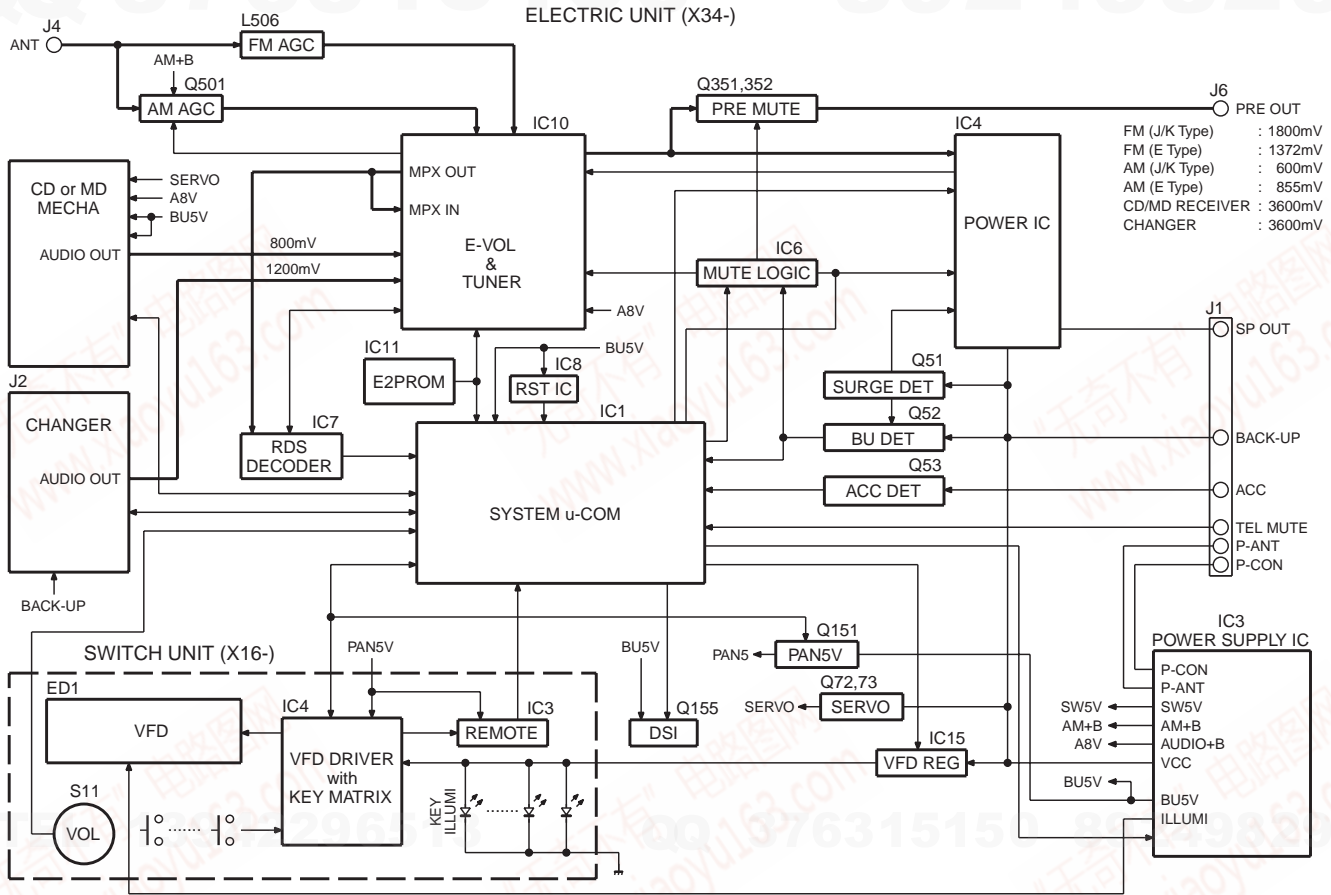


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This product uses Lead Free solder.

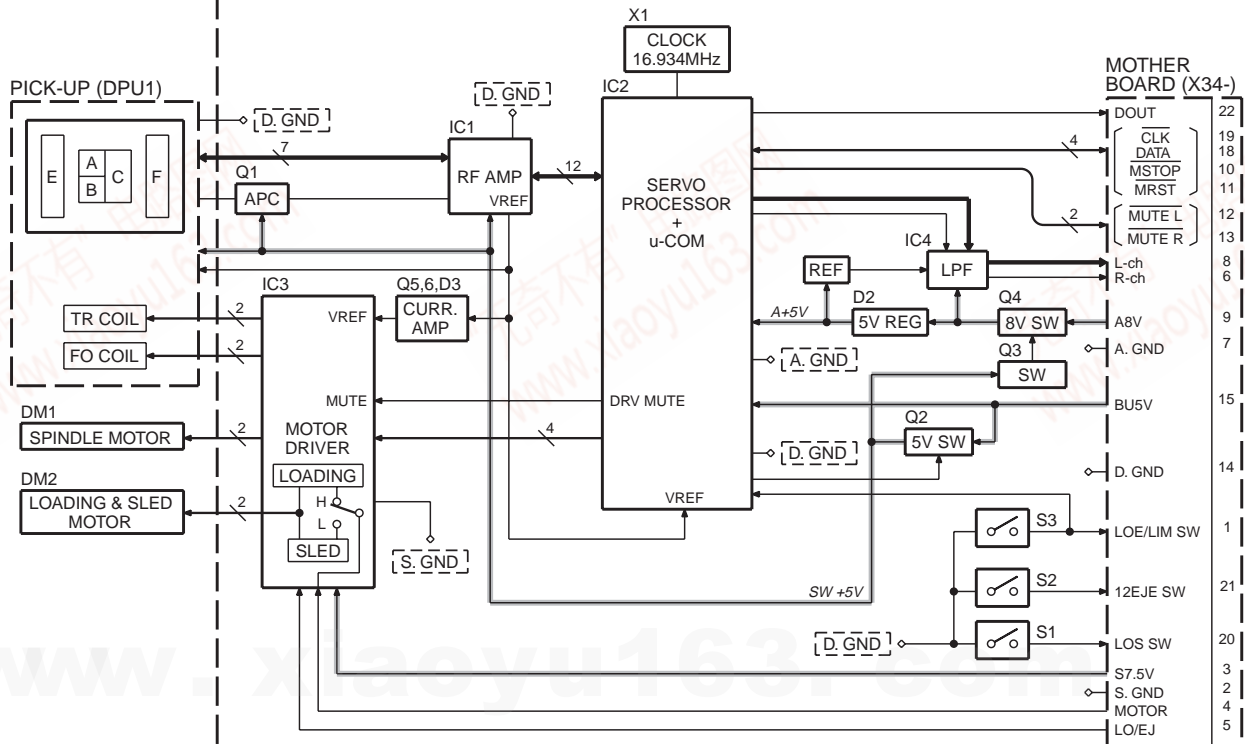


## BLOCK DIAGRAM



**MECHA ASSY (X92-)**

**CD PLAYER UNIT (X32-5750-00)**



## COMPONENTS DESCRIPTION

## ● ELECTRIC UNIT (X34-3920-1x)

Ref. No.	Application / Function	Operation / Condition
IC1	SYSTEM $\mu$ -COM	System control.
IC3	POWER SUPPLY	DC5Vx2, 7.9Vx1, 8.1Vx1, 10.3V, P.CON, P-ANT output.
IC4	POWER IC	Audio signal amplifier.
IC6	MUTE LOGIC	Mute control.
IC7	RDS DECODER	For other models.
IC8	RESET	"L" when detection voltage goes below 3.6V.
IC10	E-VOL & TUNER	E-VOL, Tuner, Stereo decode.
IC11	E2PROM	Saves and writes tuner adjustment data.
IC15	VFD REGULATOR	11.3V output voltage for LED and VFD.
Q51	SERGE DET	"ON" when the base goes "H".
Q52	BU DET	"ON" when the base goes "H".
Q53	ACC DET	"ON" when the base goes "H".
Q71	SERVO+B CONTROL SW	"ON" when the base goes "H".
Q72,73	SERVO+B AVR	Output voltage level : 7.5V.
Q74	IC3 CONTROL SW	"ON" when the base goes "H" (Output voltage : 10.3V).
Q151	PANEL 5V SW	"ON" when the base goes "L".
Q155	DSI ILLUMI SW	"ON" when the base goes "L".
Q252	IC4 STBY SW	"ON" when the base goes "L".
Q330	Q351, 352 MUTE DRIVER	"ON" when the base goes "L".
Q351	Lch PRE MUTE SW	Pre-output is muted when the base goes "H".
Q352	Rch PRE MUTE SW	Pre-output is muted when the base goes "H".
Q501	AM RF AMP	Adjusts for AM-RF gain.

## ● CD PLAYER UNIT (X32-5750-00)

Ref. No.	Application / Function	Operation / Condition
IC1	RF AMPLIFIER responding to CD-RW	Generation of RF signal based on the signals from the APC circuit and pickup, and generation of servo error (focusing error and tracking error) signals. Detection of dropout, anti-shock, track crossing and off-tracking conditions, included gain control function during CD-RW.
IC2	CD SIGNAL PROCESSOR built-in $\mu$ -COM	Focusing, tracking, sled and spindle servo processing. Automatic adjustment (focusing, tracking, gain, offset and balance) operations. Digital signal processing (DSP, PLL, sub-codes, CIRC error correction, audio data interpolation processing) operations, and microcomputer function.
IC3	4ch BTL DRIVER	Focusing coil, tracking coil, spindle motor and sled motor driver, disc loading and eject operation.
IC4	L.P.F. (LOW PASS FILTER)	2nd low pass filter for audio signals.
Q1	APC (AUTOMATIC POWER CONTROL)	LD power control.
Q2	DIGITAL +5V SW	"ON" When P. ON signal goes "L".
Q3	Q4 SW	"ON" When P. ON signal goes "L" (SW+5V is ON).
Q4	ANALOG +8V SW	"ON" When P. ON signal goes "L" (Q3 is ON).
Q5, 6	CURRENT AMP	Current driver.

## COMPONENTS DESCRIPTION

### ● SWITCH UNIT (X16-3370-1x)

Ref. No.	Application / Function	Operation / Condition
IC3	REMOTE SENSOR	
IC4	VFD DRIVER	
Q21	PAN SW5V	"ON" when the base goes "H".

## MICROCOMPUTER'S TERMINAL DESCRIPTION

### ● SYSTEM $\mu$ -COM : IC1 on X34- (ELECTRIC UNIT)

Pin No.	Active (H/L)	Pin Name	I/O	Application	Processing Operation
1		DC ERR	I	DC offset detection input	
2		LINE MUTE	I	Phone detection	NAVI MUTE : Over 2.5V, TEL MUTE : Below 1V
3		ROTARY CW	I	Rotary encoder input	
4		AVSS	-		
5		TUN TYPE1	I	E-VOL setting switch	Refer to "TUN TYPE" on the TRUTH TABLE
6		TUN TYPE2	I	E-VOL setting switch	Refer to "TUN TYPE" on the TRUTH 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	Clock output to VFD driver	
11	L	VFD RST	O	Reset output to VFD driver	Display OFF, Key reset, TDF panel OFF : L Display ON, Key scan : H
12		VFD CE	O	Chip enable output to VFD driver	
13		ROTARY CCW	I	Rotary encoder input	
14	L	TDF DET	I	TDF panel detection	TDF panel OFF : H, TDF panel ON : L
15		PWIC BEEP	O	Beep output	
16~19		NC	-		
20	L	TUN ADJ	I	For adjusting IC10	Adjustment=H, PS1-1,2=L, PS1-3=Hi-Z, PS2-1,2=Hi-Z, TUN DATA, CLK=Hi-Z
21		TUN SD	I	Tuner search stop output	H : Station exists, L : Station does not exist
22~24		NC	-		
25		AUD SDA	I/O	Volume + tuner I2C data input and output	

## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Active (H/L)	Pin Name	I/O	Application	Processing Operation
26		AUD SCL	I/O	Volume + tuner I2C clock input and output	
27	H	PWIC STBY	O	Power IC standby output	Power IC ON : H, Power IC OFF : L
28	H	VOL MUTE	O	E-VOL mute output	L : Mute OFF, Hi-Z : Mute ON
29	L	PWIC MUTE	O	Power IC mute output	Power OFF : L, Standby : L, Tel mute : L
30		TUN FANC OUT	O	Tuner block (inside the $\mu$ -com) check	OK : L, NG : H
31		RESET2	O	Mute for reset	Output L
32		NC	-		
33		VSS1	-		
34		NC	-		
35	L	ACC DET	I	ACC detection	ACC exists : L, ACC does not exist : H
36	L	BU DET	I	Momentary power-down detection	BU exists : L BU does not exist (Momentary power-down) : H
37		NC	-		
38		PS2-2	O	Power supply control output	Refer to "POWER IC CONTROL" on the TRUTH TABLE
39		PS2-1	O	Power supply control output	Refer to "POWER IC CONTROL" on the TRUTH TABLE
40		PS1-1	O	Power supply control output	Refer to "POWER IC CONTROL" on the TRUTH TABLE
41		PS1-2	O	Power supply control output	Refer to "POWER IC CONTROL" on the TRUTH TABLE
42		PS1-3	O	Power supply control output	Refer to "POWER IC CONTROL" on the TRUTH TABLE
43,44		NC	-		
45		CD MUTE	I	CD mute request	L : Mute request
46	L	CD MSTOP	O	CD mecha $\mu$ -com stop	H : mecha $\mu$ -com operates, L : mecha $\mu$ -com is stopped
47		CD LOE LIM SW	I	CD detection (chucking switch)	H : Loading is finished, L : Disc does not exist
48		CD LOEJ	I/O	CD motor control	Refer to "CD MECHA CONTROL OPERATION" on the TRUTH TABLE
49		CD MOTOR	O	CD motor control	Refer to "CD MECHA CONTROL OPERATION" on the TRUTH TABLE
50		NC	-		
51	L	CD MRST	O	CD mecha $\mu$ -com reset	H : Normal condition, L : Reset
52		CD SCL	I/O	CD mecha I2C clock output	
53		CD DISC12 SW	I	12cm CD detection	
54		CD LOS SW	I	CD loading detection	
55		CD SDA	I/O	CD mecha I2C data input and output	
56		OEM DISP CE	I/O	External display chip enable	External display
57		OEM DISP CLK	I/O	External display clock	External display
58		OEM DISP DATA	I/O	External display chip data	External display
59		DSI	O	DSI control	DSI ON : H, DSI OFF : L, TDF DET=H (DSI blinks)
60	L	RESET	I		
61		NC	-		
62	L	PON FL	O	VFD power supply ON	VFD ON : H, VFD OFF : L TDF DET H (DSI blinks) : L, TDF DET L : H
63		KEY REQ	I	Communication request from VFD driver	L : Key input
64		NC	-		

## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Active (H/L)	Pin Name	I/O	Application	Processing Operation
65		REMOTE	I	Remote control input	
66		NC	-		
67		VSS0	-		
68		VDD1	-		
69		X2	-		
70		X1	-		
71		TEST	-		
72		XT2	-		
73		XT1	-		
74		VDD0	-		
75		AVDD	-		
76~78		TYPE 3-TYPE 1	I	Destination switch	
79		NC	-		
80		TUN SMETER	I	Tuner S-meter input	

### ● TRUTH TABLE

#### • TUN TYPE

	TYPE 1	TYPE 2
General models commercially-designated as pure KENWOOD brand (Initial value) Initial value setting	L	L
General models commercially-designated as pure KENWOOD brand (CRSC is changed) Multi-Path Band-Path Gain=12dB, Multi-Path Charge Current=0.4μA, De-Emphasis=75μS	H	L

#### • 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

#### • 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

## MICROCOMPUTER'S TERMINAL DESCRIPTION

● CD MECHANISM  $\mu$ -COM : IC2 on X32- (CD PLAYER UNIT)

Pin No.	Active (H/L)	Pin Name	I/O	Application	Processing Operation
1		TVD	O	Traverse drive output (PWM output).	
2		SPL	O	Spindle motor drive output (PWM output).	
3		NC	-	No connection.	
4		PWM	O	Multipurpose PWM output.	
5		TBAL	O	Tracking balance adjustment output (PWM output).	
6		FBAL	O	Focusing balance adjustment output (PWM output).	
7		NRFDET	I	RF detection signal input.	L : Detection
8		OFT	I	Off-tracking signal input.	H : Detection
9		BDO	I	Drop-out signal input.	H : Detection
10		LDON	O	Laser-on signal output.	H : Focus ON
11		DSLB	O	DSL balance output.	
12		DVDD1	-	Power supply for digital circuit.	
13		DVSS1	-	GND for digital circuit.	
14		AVSS2	-	GND for analog circuit.	For DSL, PLL and A/D converter
15		DSLFB	I/O	Loup filter for DSL and bias output for ARF.	
16		ARF	I	RF signal input.	
17		RFSW	I	DSL circuit time constant switch.	
18		PLLFB	I/O	Loup filter for PLL.	
19		PLLFB2	I/O	Loup filter character switch for PLL.	
20		IREF	I	Reference current input.	
21		RFENV	I	RF envelope signal input.	
22		TRCRS	I	Tracking cross signal input.	
23		TE	I	Tracking error signal input.	
24		FE	I	Focusing error signal input.	
25		AVDD2	-	Power supply for analog circuit.	For DSL, PLL and A/D converter
26		AVSS1	-	GND for analog circuit.	For Lch/Rch audio output
27		OUTR	O	Rch audio output.	
28		AVDD1	-	Power supply for analog circuit.	For Lch/Rch audio output
29		OUTL	O	Lch audio output.	
30		DVSS3	-	GND for digital circuit.	
31		CSEL	-		
32		NC	-	No connection.	
33		ASEL	-		
34		MSEL0	-		
35		MSEL1	-		
36-39		NC	-	No connection.	
40		VREFP	-	Reference power supply input for A/D converter.	
41		HOT	-		

## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Active (H/L)	Pin Name	I/O	Application	Processing Operation
42		8EJE SW	-		
43		12EJE/SDET SW	-		
44		LOE/LIM SW	I	Loading-end detection / Pick-up inner circumference detection.	H : Loading-end detection L : Pick-up inner circumference detection
45-49		NC	-	No connection.	
50		DVDD2	-	Power supply for digital circuit.	
51		X1	I	Main clock input.	
52		X2	O	Main clock output.	
53		DVSS2	-	GND for digital circuit.	
54		XSUB1	-		
55		NC	-	No connection.	
56		TEST1	-	Test terminal.	Normal condition : "H" fixed
57		TEST2	-	Test terminal.	Normal condition : "H" fixed
58,59		NC	-	No connection.	
60		DRV MUTE	O	Driver mute control.	L : Mute ON, H : Mute OFF
61	L	MUTE L	O	Audio Lch mute output.	
62	L	MUTE R	O	Audio Rch mute output.	
63	L	RST	I	LSI reset input.	
64		OCD CLK	-		
65	L	MSTOP	I	Standby detection.	
66		DATA	I/O	I2C bus data line (Communication line to system $\mu$ -com).	During serial writer is connected.
67		SBIO	I	Data input.	During serial writer is connected.
68	L	CLK	I/O	I2C bus clock line (Communication line to system $\mu$ -com).	During serial writer is connected.
69		TX	O	Digital audio interface signal output.	
70		NC	-	No connection.	
71		XSEL	-		
72		MCNT	I	Loading control / Eject control.	L : OFF (Host control), H : Mecha $\mu$ -com control
73		P. ON	O	Audio & Servo power supply control.	L : Power supply ON. H : Power supply OFF
74,75		NC	-	No connection.	
76		CD-RW	O	CD-RW control.	H : CD-RW, L : Normal disc
77		NC	-	No connection.	
78		DVDD3	-	Power supply for digital circuit.	
79		FOD	O	Focusing drive output (PWM output).	
80		TRD	O	Tracking drive output (PWM output).	



## TEST MODE

### How to enter the test mode

While simultaneously press PRESET "1" key and PRESET "3" key, press "RESET" button.

### How to release the test mode

Press "RESET" button. (The release cannot be achieved in the conditions of POWER OFF and ACC OFF.)

### Initial conditions of the test mode

- The source is "STANDBY".
- The displays all lit up.
- The volume is at -10dB (The display shows "30".)
- LOUD is "OFF".
- CRSC is "OFF".
- SYSTEM Q is "NATURAL".
- BEEP is sounded at all time with the key depressed for less than 1 second.

### Special displays when all indicator lights are lighted

When "PRESET" keys are pressed while all indicators for the STANDBY sources are lighted, the following displays will appear.

PRESET "1" key	<ul style="list-style-type: none"> <li>• Version display (4 digits : month, date) (4digits : hour, minute) (Display) : XXXX xxxx</li> </ul>
PRESET "2" key	<ul style="list-style-type: none"> <li>• Serial number display (4 digits) (4 digits) (Display) : XXXX xxxx</li> </ul>
PRESET "3" key	<ul style="list-style-type: none"> <li>• When pressed for less than 1 second : POWER ON time display (STANDBY source time is not counted.) (Display) : ___X xxxx MAX 60,000 (hours) * The display is cleared by pressing the key for more than 2 seconds.</li> </ul>
PRESET "4" key	<ul style="list-style-type: none"> <li>• When pressed for less than 1 second : CD operation time display (Display) : ___X xxxx MAX 60,000 (hours) * The display is cleared by pressing the key for more than 2 seconds.</li> </ul>

PRESET "5" key	<ul style="list-style-type: none"> <li>• When pressed for less than 1 second : CD EJECT number display (Display) : ___X xxxx MAX 60,000 (times) * The display is cleared by pressing the key for more than 2 seconds.</li> </ul>
PRESET "6" key	<ul style="list-style-type: none"> <li>• When pressed for less than 1 second : Panel open/close number display (Display) : ___X xxxx MAX 600,000 (times) * The display is cleared by pressing the key for more than 2 seconds.</li> </ul>
"FM" key	<ul style="list-style-type: none"> <li>• ROM CORRECTION version display (Display) Effective : Rxxx (x : number) Not effective (When not able to read) : R --- Not effective (When version is different) : R***</li> </ul>
"AM" key	<ul style="list-style-type: none"> <li>• IC10 adjustment status (Refer to "ADJUSTMENT" on the following page.) (Display) Adjustment complete : E2OK Adjustment not completed : E2ER Communication error : ICER * When other than "E2P _ OK _ _", Pin No. 30 will become "H".</li> </ul>
"◀◀" key	<ul style="list-style-type: none"> <li>• Mechanism error detection status</li> <li>• Communication error → Error No. 1 → Error No. 2 → Error No. 3 → Communication error (Error No. 1 is the most recent error.) (Display) Communication OK : ICOK Communication error : ICER Not detected : En -- (n : 1~3) Detected : En** (** : error code) * The display is cleared by pressing the key for more than 2 seconds.</li> </ul>

## SPECIAL MODE

### ● DC offset error detection confirmation mode

Confirmation mode :

While depressing PRESET "3" key and PRESET "6" key simultaneously, press on the "RESET" button.

(Display) Detected : DCER

Not detected : DCOK

- \* By pressing "CLK" key while "DCER" is being displayed, detection status is cleared. This will result in the display of "DCOK".

Release Method : Press "RESET" button.

### ● Mechanism memory clear confirmation mode

Confirmation mode :

While depressing "ATT" key and "Q" key simultaneously, press "RESET" button.

(Display) : MCLR

- \* Two seconds after the confirmation mode boots up, Mechanism memory clear as a result is displayed.

(Display) Clear status display normal completion : CD \_ O

Clear status display abnormal completion : CD \_ -

Release Method : Press "RESET" button.

### ● FM/AM channel space switching

When in the conditions of ACC ON and POWER OFF, while depressing PRESET "1" key and PRESET "5" key simultaneously, press "SRC" key.

## 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	35dB $\mu$ V (EMF)
Except Europe	1000kHz	OFF	35dB $\mu$ V (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

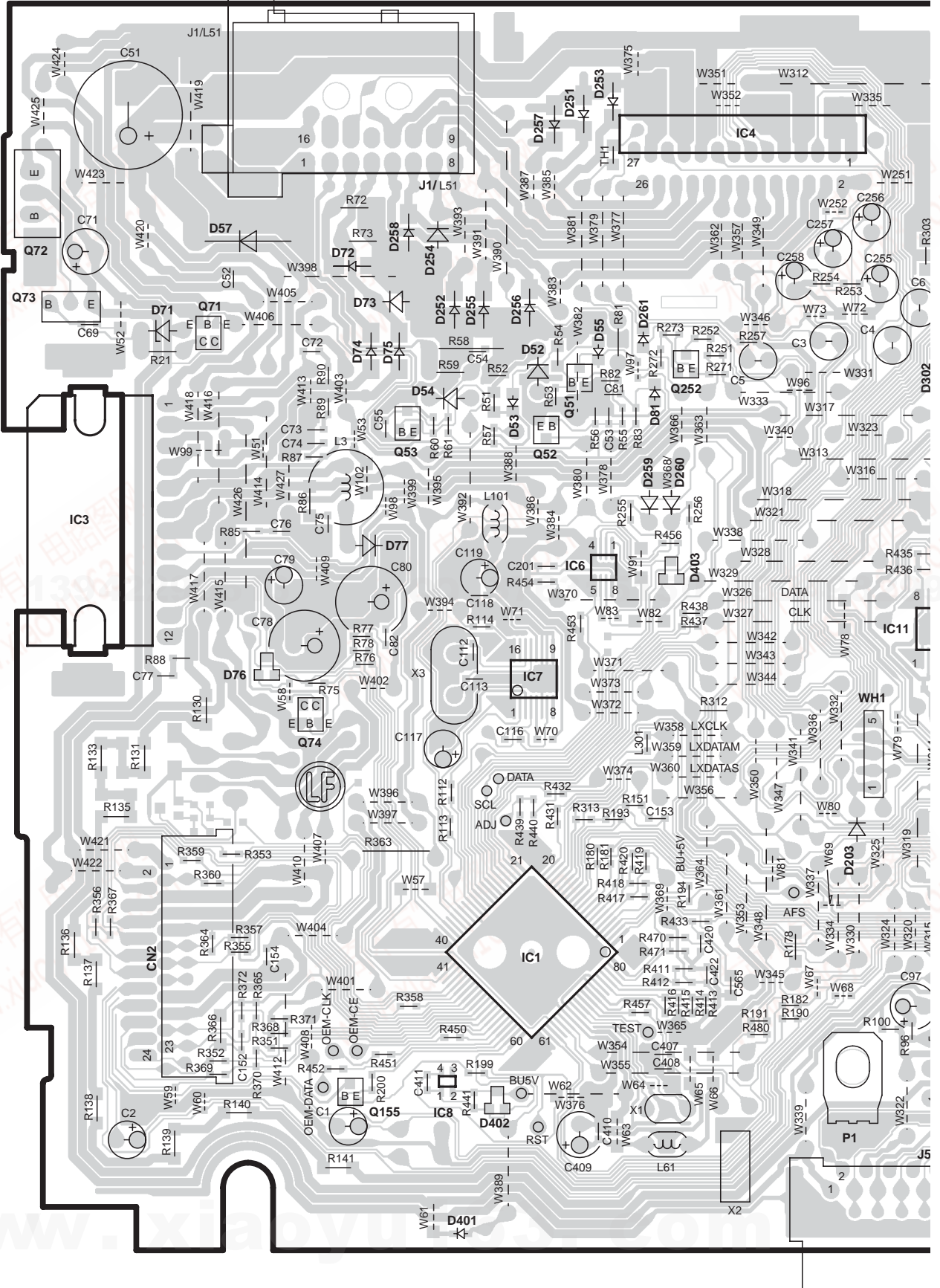
DESTINATION	FREQUENCY	MODULATION	ANTENNA INPUT
Europe	87.5MHz	OFF	5dB $\mu$ V (LOAD) or 11dB $\mu$ V (EMF)
Except Europe	87.9MHz	OFF	5dB $\mu$ V (LOAD) or 11dB $\mu$ V (EMF)



CKDC-395/395A/495

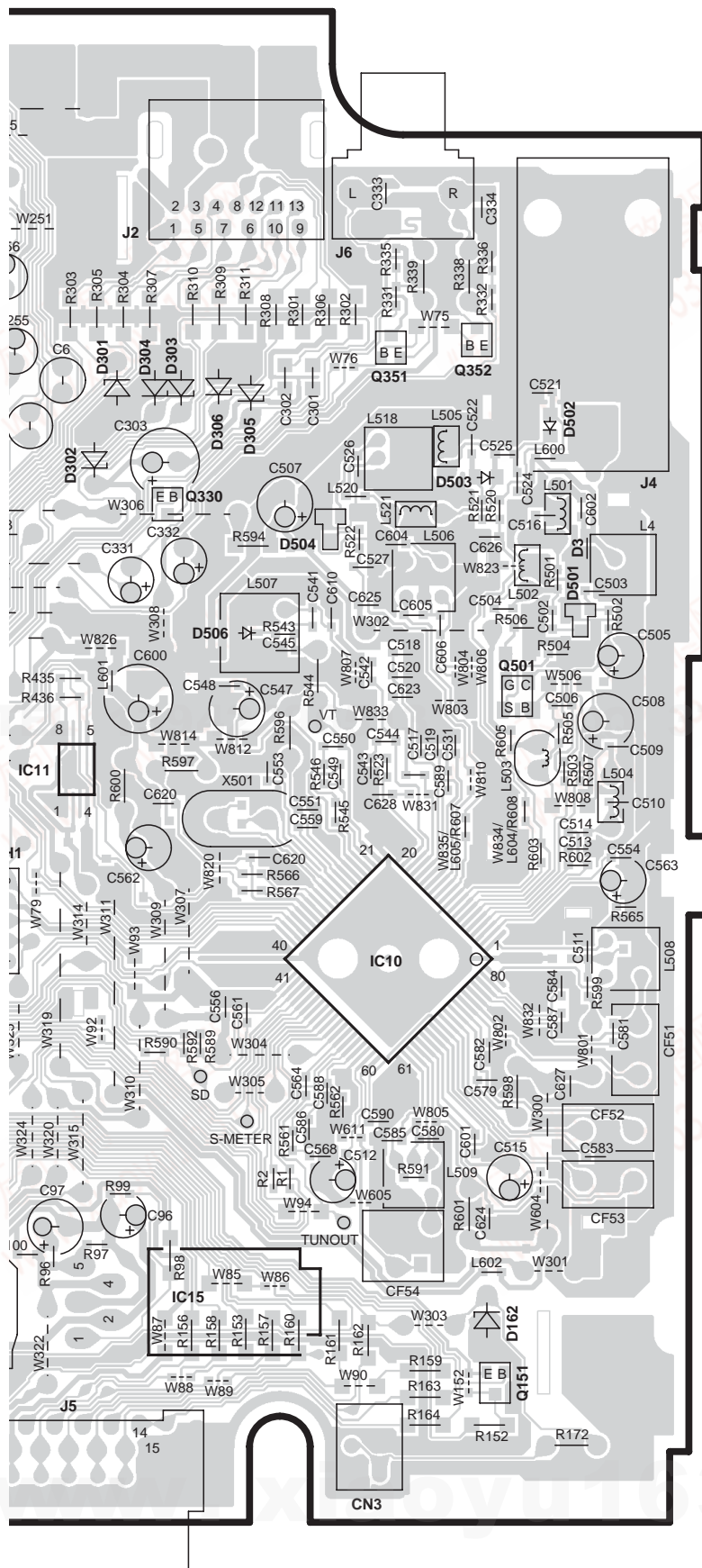
PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT X34-3920-1x (J76-0048-12)



QQ 376315150

892498299



X34-3920-1x

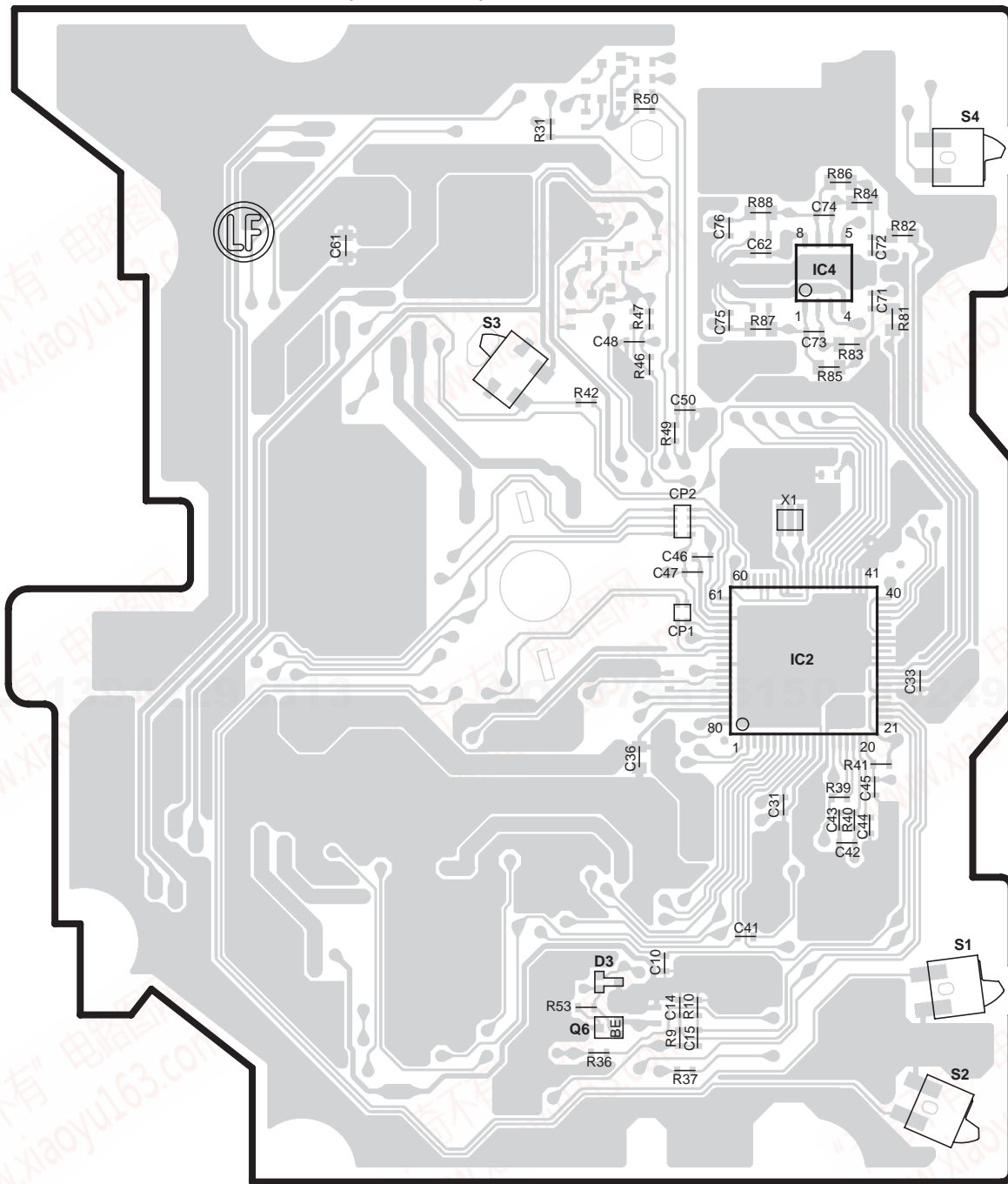
Ref. No.	Address
IC1	6I
IC3	4G
IC4	2J
IC6	4I
IC8	6H
IC10	5L
IC11	4K
IC15	6K
Q51	3I
Q52	3I
Q53	3H
Q71	3G
Q72	2F
Q151	6L
Q155	6H
Q252	3I
Q330	3K
Q351	3L
Q352	3L
Q501	4L

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

# CKDC-395/395A/495

## PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT X32-5750-00 (J76-0059-02)



X32-5750-00

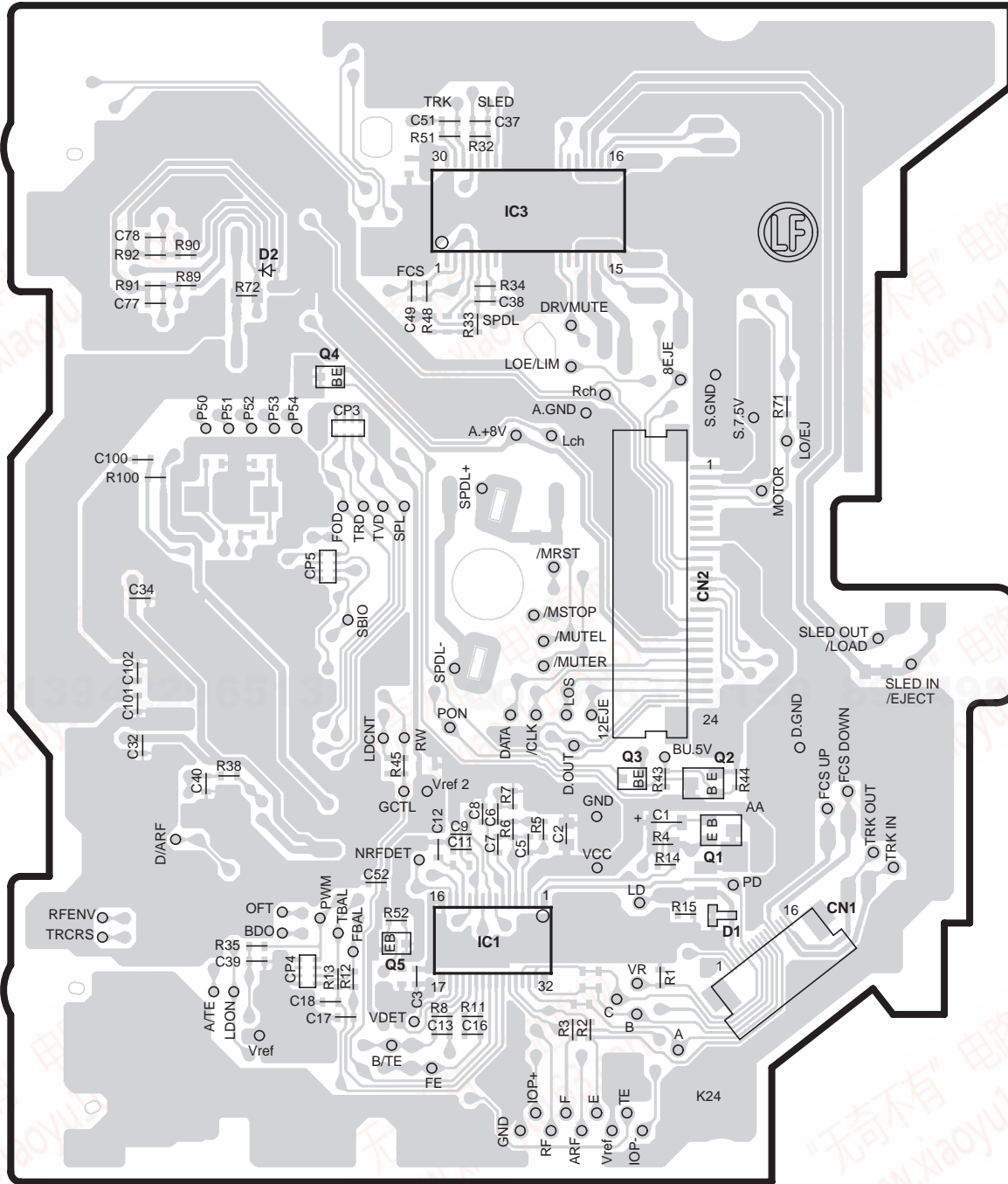
Ref. No.	Address
IC2	4S
IC4	2S
Q6	5R

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

## PC BOARD (FOIL SIDE VIEW)

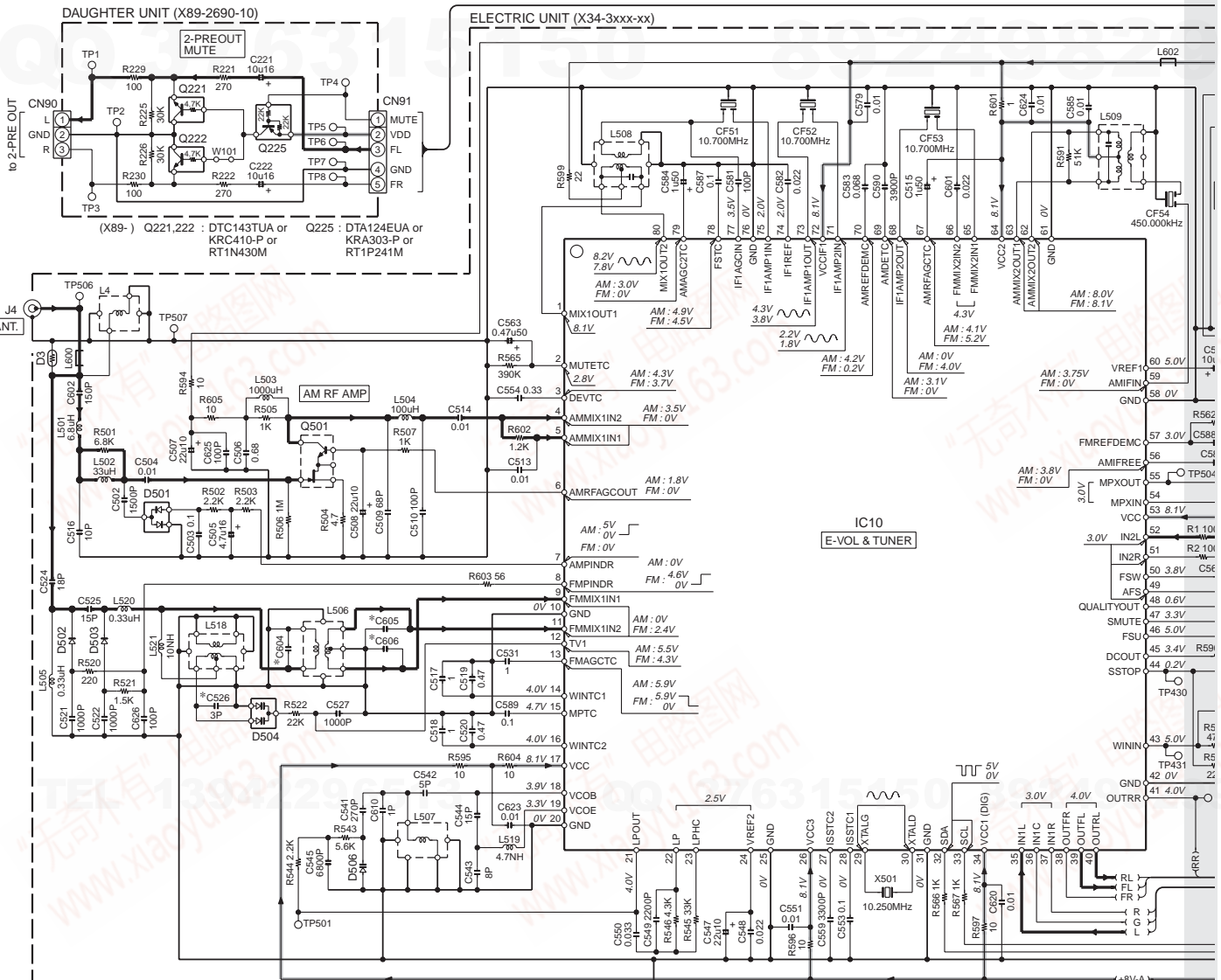
## CD PLAYER UNIT X32-5750-00 (J76-0059-02)



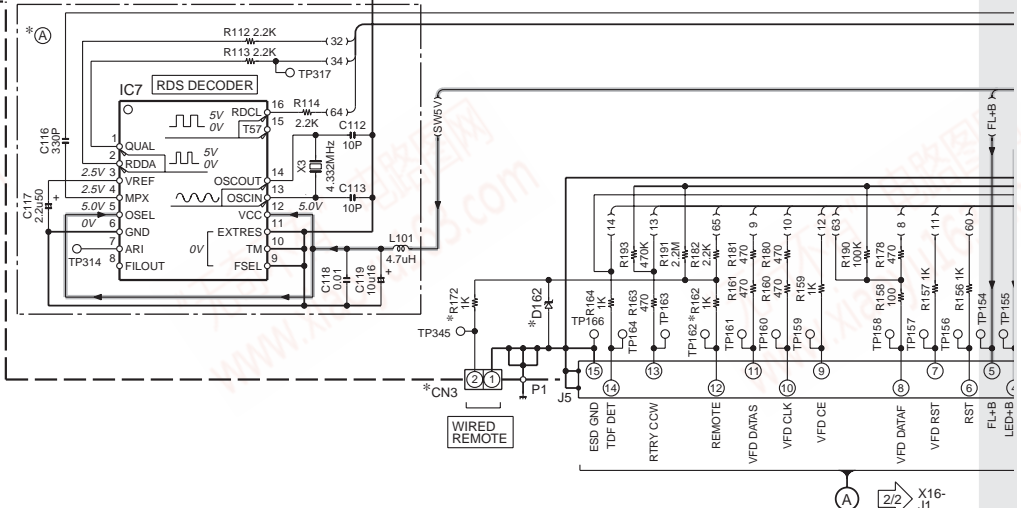
## X32-5750-00

Ref. No.	Address
IC1	5W
IC3	2W
Q1	5X
Q2	4X
Q3	4W
Q4	3V
Q5	5V

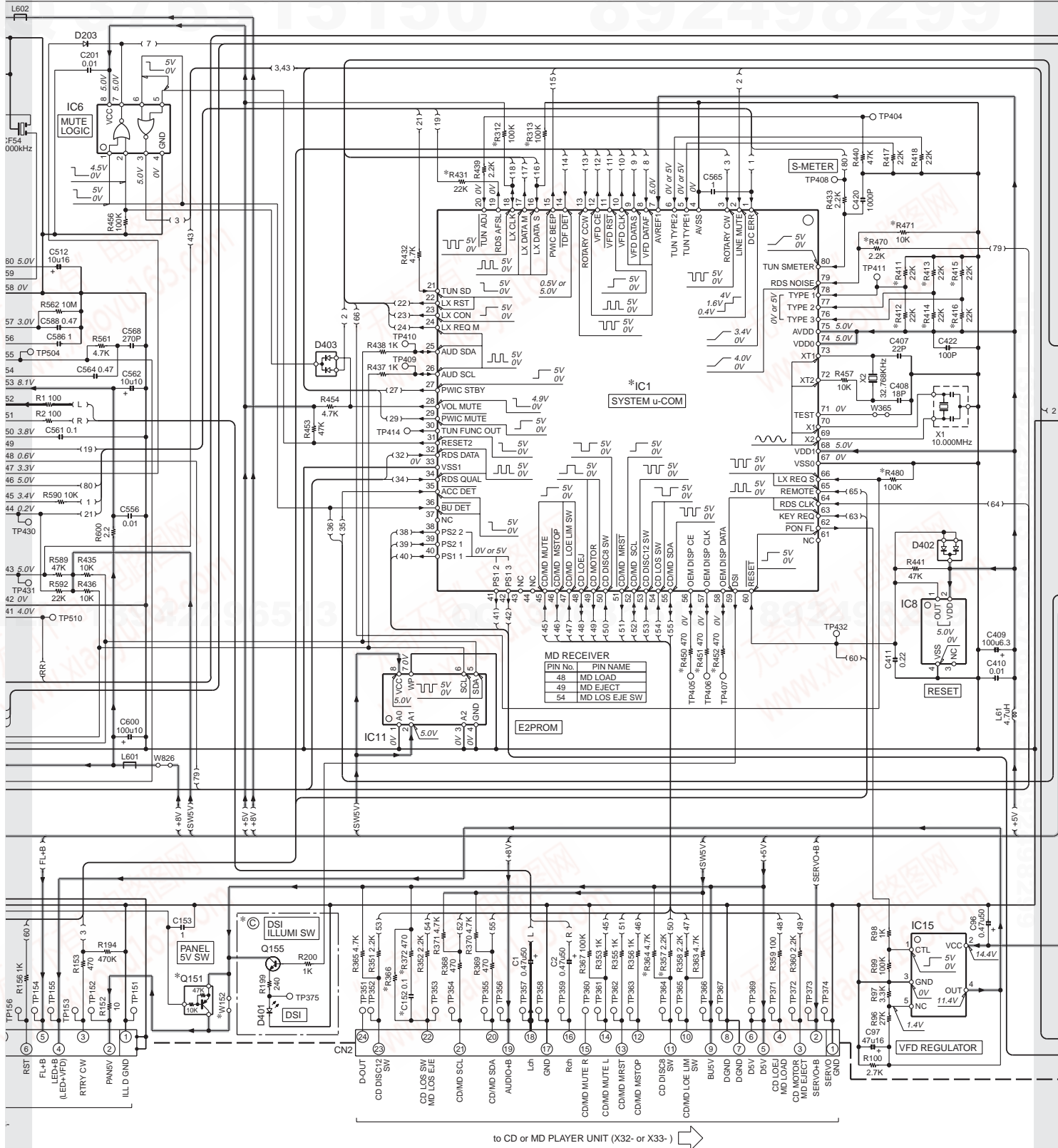
Refer to the schematic diagram for the values of resistors and capacitors.



CATEGORY/ FUNCTION	MODEL NAME	DESTI- NATION	DAUGHTER UNIT X89-2690-10
CD RECEIVER (MP3/WMA)	E303/S	J	YES
	KDC-MP2028	K	YES
	KDC-MP228	K	YES
	KDC-MP3029	M	YES
	KDC-MP4029/G	M	YES
14-SEGMENT DISPLAY	KDC-W4031/Y	E	YES
	KDC-W409/Y	E	YES
	KDC-W431/Y	E	YES
	KDC-W4531/Y	E	YES
	KDC-WF431A	E	YES
CD RECEIVER	KDC-228	K	YES
	KDC-2029	M	YES
	KDC-3029	M	YES
	KDC-3029R	M	YES
	KDC-3031A/Y	E	YES
14-SEGMENT DISPLAY	KDC-3031G/Y	E	YES
	KDC-309A	E	YES
	KDC-309G	E	YES
	KDC-F331A	E	YES
	KDC-F331G	E	YES
CD RECEIVER	E202	J	YES
	RDT101	J	YES
7-SEGMENT DISPLAY	KDC-1028	K	YES
	KDC-128/CR	K	YES
	KDC-129/S	M	YES
MD RECEIVER	KDC-229	M	YES
	KDC-2031SA/Y	E	YES
	KDC-2031SG/Y	E	YES
	E303MD	J	YES
	KDC-395A	K	YES
CD RECEIVER by VISTEON	CKDC-495	K	YES
	CKDC-MP575	K	YES

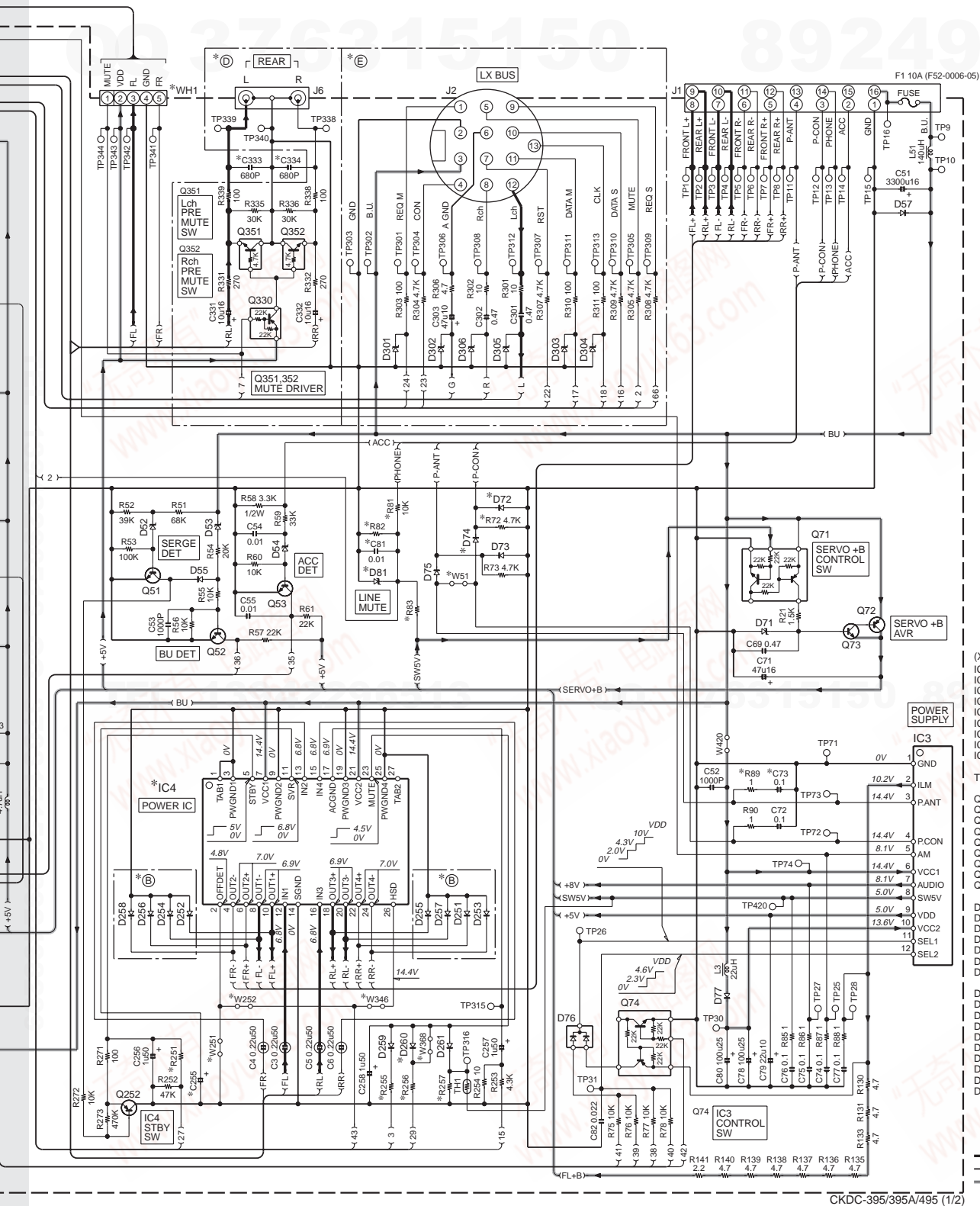






to CD or MD PLAYER UNIT (X32- or X33-)

# CKDC-395/395A/495

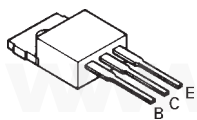


- (X34-)
- IC1 : \*
  - IC3 : BD4912-V4
  - IC4 : \*
  - IC6 : TC7W02FU-F
  - IC7 : E-TDA749AD
  - IC8 : S-80836CNNB-J
  - IC10 : E-TDA7516
  - IC11 : BR24L04FV-W
  - IC15 : BA00CCWT
- TH1 : PRF21BE471QB2
- Q51-53,155 : 2SC4081
  - Q71,74 : UMC2N
  - Q72 : 2SD2396(J,K)
  - Q73 : 2SD1858
  - Q151 : DTA114YUA
  - Q252 : 2SA1576A
  - Q330 : DTA124EUA
  - Q351,352 : DTC143TUA
  - Q501 : HN3G01J(BL)-F
- D3 : IMSA-6801-E
  - D52,54,305,306 : MAZ4068N-M
  - D53 : UDZ56.8B
  - D55,261 : 1S3355
  - D57 : SZV60-A
  - D71 : MAZ4082N-L
  - D72,74,75,251-253,255-258 : D1F60-5063
  - D73,77,254 : AM012NF
  - D76,402,403 : DAN202U
  - D81 : UDZ54.7B
  - D162,301-304 : MAZ4062-L
  - D203,259,260 : 1S3133
  - D401 : B30-1567-05
  - D501 : RN739F
  - D502,503 : KP2311ETR-G
  - D504 : KV1430STL-G
  - D506 : HVC383B-E

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

CKDC-395/395A/495 (1/2)

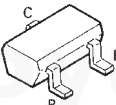
2SD2396



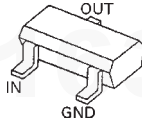
DTA114EE  
 DTC143TUA  
 2SA1362  
 2SA1576A



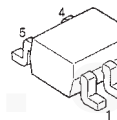
2SA1774  
 2SC4081



DTA124EUA  
 DTC124EUA



UMC2N



DAN202U



DA204U  
 DTA114YUA



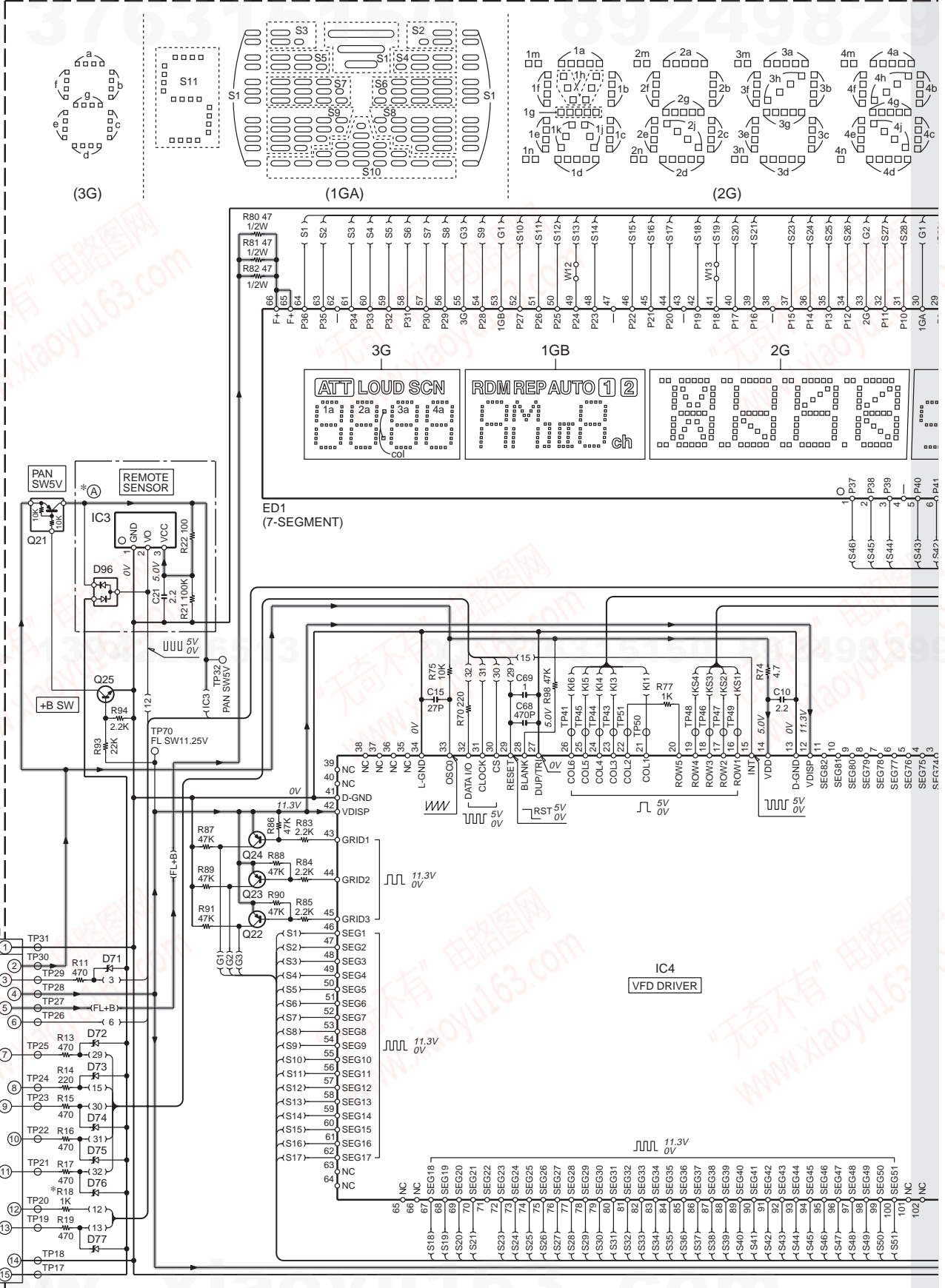
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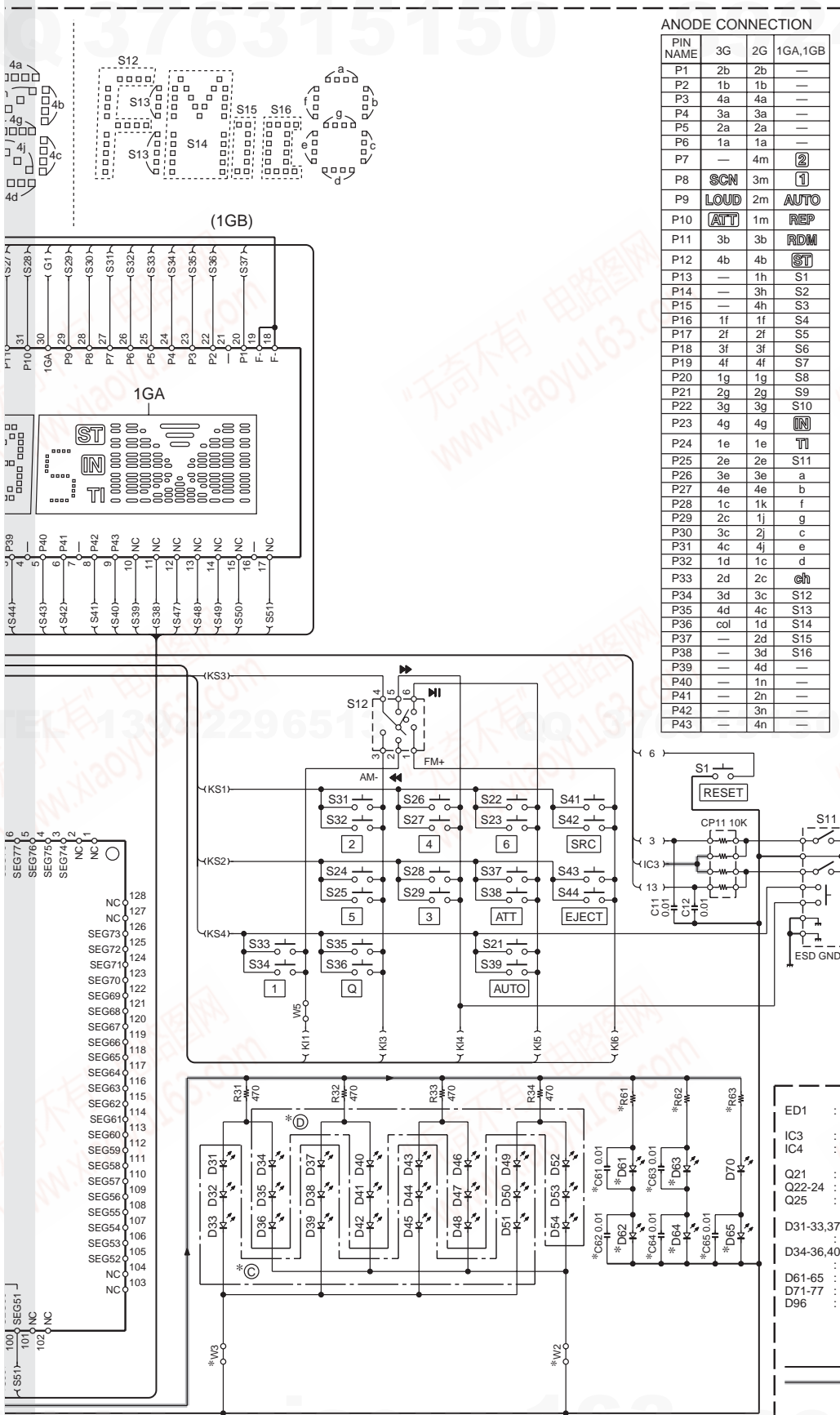
CATEGORY/FUNCTION	MODEL NAME	DEST. NATION	X34-340x-xx	X34-341x-xx	X34-365x-xx	X34-392x-xx	(A)	(B)	(C)	(D)	(E)	C73	C81	C152	C255	C333,334	C526	C604	C605,606	CN3	D72,74	D81	D162	D260	Q151	IC1			
CD RECEIVER (MP3/WMA)	E303/S	J	0-01	-	-	-	-	YES	YES	YES	YES	YES	YES	-	33u	-	YES	68P	6P	-	YES	YES	YES	YES	YES	YES	784225GC256A		
	KDC-MP2028	K	0-10	-	-	-	-	YES	YES	YES	YES	YES	YES	-	33u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	784225GC256A		
	KDC-MP228	K	0-11	-	-	-	-	YES	YES	YES	YES	YES	YES	-	33u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	784225GC256A		
	KDC-MP3029	M	0-22	-	-	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	784225GC256A		
	KDC-MP4029/G	M	0-21	-	-	-	-	YES	YES	YES	YES	YES	YES	-	33u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	784225GC256A		
	KDC-W4031/Y	E	2-72	-	-	-	-	YES	YES	YES	YES	YES	YES	-	-	-	-	33u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC256A	
	KDC-W409/Y	E	2-72	-	-	-	-	YES	YES	YES	YES	YES	YES	-	-	-	-	33u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC256A	
KDC-W431GY	E	2-73	-	-	-	-	-	YES	YES	YES	YES	YES	-	YES	-	-	10u	YES	-	47P	1P	-	YES	YES	-	YES	784225GC256A		
KDC-W4531/Y	E	2-71	-	-	-	-	YES	YES	YES	YES	YES	YES	-	YES	-	-	33u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC256A		
KDC-WF431A	E	2-74	-	-	-	-	YES	YES	YES	YES	YES	YES	-	YES	-	-	10u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC256A		
CD RECEIVER	KDC-228	K	-	0-10	-	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	784225GC257A		
	KDC-2029	M	-	-	0-22	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	784225GC257A		
	KDC-3029	M	-	-	0-23	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	784225GC257A		
	KDC-3029R	M	-	-	0-21	-	-	YES	YES	YES	YES	YES	YES	-	10u	YES	-	47P	1P	-	YES	YES	YES	YES	YES	YES	784225GC257A		
	KDC-3031A/Y	E	-	2-71	-	-	-	YES	YES	YES	YES	YES	YES	-	YES	-	-	10u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC257A	
	KDC-3031G/Y	E	-	2-72	-	-	-	YES	YES	YES	YES	YES	YES	-	YES	-	-	10u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC257A	
	KDC-309A	E	-	2-71	-	-	-	YES	YES	YES	YES	YES	YES	-	YES	-	-	10u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC257A	
KDC-309G	E	-	2-72	-	-	-	YES	YES	YES	YES	YES	YES	-	YES	-	-	10u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC257A		
KDC-F331A	E	-	2-73	-	-	-	YES	YES	YES	YES	YES	YES	-	YES	-	-	10u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC257A		
KDC-F331G	E	-	2-74	-	-	-	YES	YES	YES	YES	YES	YES	-	YES	-	-	10u	YES	-	47P	1P	YES	YES	YES	YES	YES	784225GC257A		
CD RECEIVER	E202	J	-	-	0-00	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	YES	68P	6P	-	-	-	-	-	-	-	YES	784225GC258A	
	RDT-101	J	-	-	0-01	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	YES	68P	6P	-	-	-	-	-	-	-	-	YES	784225GC258A
	KDC-1028	K	-	0-11	-	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC258A	
	KDC-128/CR	K	-	0-12	-	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC258A	
	KDC-129/S	M	-	-	0-25	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC258A	
	KDC-229	M	-	-	0-24	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC258A	
	KDC-2031SA/Y	E	-	2-75	-	-	-	YES	YES	YES	YES	YES	YES	-	10u	YES	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC258A	
KDC-2031SG/Y	E	-	2-76	-	-	-	YES	YES	YES	YES	YES	YES	-	10u	YES	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC258A		
MD RECEIVER	E303MD	J	0-02	-	-	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	YES	68P	6P	-	-	-	-	-	-	-	-	784225GC259A	
	CKDC-395/A	K	-	-	-	0-10	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC283A	
	CKDC-495	K	-	-	0-11	-	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC283A	
	CKDC-MP575	K	-	-	-	0-12	-	YES	YES	YES	YES	YES	YES	-	10u	-	-	47P	1P	-	YES	YES	YES	YES	YES	YES	YES	784225GC281A	

CATEGORY/FUNCTION	MODEL NAME	DEST. NATION	X34-340x-xx	X34-341x-xx	X34-365x-xx	X34-392x-xx	IC4	R72	R81	R82	R83	R89	R162	R172	R251	R255	R256	R257	R312,313,480	R357,364	R366	R372	R411	R412	R413	R414	
CD RECEIVER (MP3/WMA)	E303/S	J	0-01	-	-	-	E-TDA7560A	YES	YES	47K	100K	YES	YES	YES	-	33K	220	22K	30K	YES	YES	4.7K	-	-	-	-	YES
	KDC-MP2028	K	0-10	-	-	-	E-TDA7560A	YES	YES	22K	47K	YES	YES	YES	YES	33K	220	22K	30K	YES	-	4.7K	-	YES	-	YES	-
	KDC-MP228	K	0-11	-	-	-	E-TDA7560A	YES	YES	22K	47K	YES	YES	YES	YES	33K	220	22K	30K	YES	-	4.7K	-	YES	-	YES	-
	KDC-MP3029	M	0-22	-	-	-	TB2904HQ	YES	YES	22K	47K	YES	YES	YES	YES	150K	330	150K	12K	-	-	4.7K	-	YES	-	YES	-
	KDC-MP4029/G	M	0-21	-	-	-	E-TDA7560A	YES	YES	22K	47K	YES	YES	YES	YES	33K	220	22K	30K	YES	-	4.7K	-	YES	-	YES	-
	KDC-W4031/Y	E	2-72	-	-	-	E-TDA7560A	YES	YES	22K	47K	-	YES	YES	YES	33K	220	22K	30K	-	-	4.7K	-	-	YES	YES	-
	KDC-W409/Y	E	2-72	-	-	-	E-TDA7560A	YES	YES	22K	47K	-	YES	YES	YES	33K	220	22K	30K	-	-	4.7K	-	-	YES	YES	-
KDC-W431GY	E	2-73	-	-	-	TB2904HQ	YES	YES	22K	47K	-	-	YES	YES	150K	330	150K	12K	-	-	4.7K	-	YES	-	YES	-	
KDC-W4531/Y	E	2-71	-	-	-	E-TDA7560A	YES	YES	22K	47K	-	YES	YES	YES	33K	220	22K	30K	YES	-	4.7K	-	-	YES	YES	-	
KDC-WF431A	E	2-74	-	-	-	TB2904HQ	YES	YES	22K	47K	-	YES	YES	YES	150K	330	150K	12K	-	-	4.7K	-	-	YES	YES	-	
CD RECEIVER	KDC-228	K	-	0-10	-	-	TB2904HQ	YES	YES	22K	47K	YES	YES	YES	150K	330	150K	12K	YES	-	4.7K	-	YES	-	YES	-	YES
	KDC-2029	M	-	-	0-22	-	TB2903HQ	YES	YES	22K	47K	YES	YES	YES	150K	330	150K	12K	YES	-	4.7K	-	YES	-	YES	-	YES
	KDC-3029	M	-	-	0-23	-	TB2903HQ	YES	YES	22K	47K	YES	YES	YES	150K	330	150K	12K	YES	-	4.7K	-	-	YES	-	YES	
	KDC-3029R	M	-	-	0-21	-	TB2903HQ	YES	YES	22K	47K	-	YES	YES	150K	330	150K	12K	YES	-	4.7K	-	YES	-	YES	-	YES
	KDC-3031A/Y	E	-	2-71	-	-	TB2904HQ	YES	YES	22K	47K	-	YES	YES	150K	330	150K	12K	-	-	4.7K	-	-	YES	YES	-	YES
	KDC-3031G/Y	E	-	2-72	-	-	TB2904HQ	YES	YES	22K	47K	-	YES	YES	150K	330	150K	12K	-	-	4.7K	-	-	YES	YES	-	YES
	KDC-309A	E	-	2-71	-	-	TB2904HQ	YES	YES	22K	47K	-	YES	YES	150K	330	150K	12K	-	-	4.7K	-	-	YES	YES	-	YES
KDC-309G	E	-	2-72	-	-	TB2904HQ	YES	YES	22K	47K	-	YES	YES	150K	330	150K	12K	-	-	4.7K	-	-	YES	YES	-	YES	
KDC-F331A	E	-	2-73	-	-	TB2904HQ	YES	YES	22K	47K	-	YES	YES	150K	330	150K	12K	-	-	4.7K	-	-	YES	YES	-	YES	
KDC-F331G	E	-	2-74	-	-	TB2904HQ	YES	YES	22K	47K	-	YES	YES	150K	330	150K	12K	-	-	4.7K	-	-	YES	YES	-	YES	
CD RECEIVER	E202	J	-	-	0-00	-	TB2903HQ	-	-	47K	-	YES	-	-	150K	330	150K	12K	-	-	YES	4.7K	-	-	YES	-	YES

# CKDC-395/395A/495

(X16-3xxx-xx)





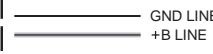
ANODE CONNECTION

PIN NAME	3G	2G	1GA,1GB
P1	2b	2b	—
P2	1b	1b	—
P3	4a	4a	—
P4	3a	3a	—
P5	2a	2a	—
P6	1a	1a	—
P7	—	4m	②
P8	SCN	3m	①
P9	LOUD	2m	AUTO
P10	ATT	1m	REP
P11	3b	3b	RDM
P12	4b	4b	ST
P13	—	1h	S1
P14	—	3h	S2
P15	—	4h	S3
P16	1f	1f	S4
P17	2f	2f	S5
P18	3f	3f	S6
P19	4f	4f	S7
P20	1g	1g	S8
P21	2g	2g	S9
P22	3g	3g	S10
P23	4g	4g	③
P24	1e	1e	TI
P25	2e	2e	S11
P26	3e	3e	a
P27	4e	4e	b
P28	1c	1k	f
P29	2c	1j	g
P30	3c	2j	c
P31	4c	4j	e
P32	1d	1c	d
P33	2d	2c	④
P34	3d	3c	S12
P35	4d	4c	S13
P36	col	1d	S14
P37	—	2d	S15
P38	—	3d	S16
P39	—	4d	—
P40	—	1n	—
P41	—	2n	—
P42	—	3n	—
P43	—	4n	—

MODEL NAME	UNIT No.	①	②	③	④	⑤	R18	R61	R62	R63	W2	W3
KDC-1028	X16-3370-10	—	—	—	—	—	—	—	—	—	—	—
KDC-128/CR	X16-3290-10	—	—	—	—	—	—	—	—	—	—	—
KDC-229	X16-3270-21	—	—	—	—	—	—	—	—	—	—	—
KDC-2031SG/SGY	X16-3290-21	—	—	—	—	—	—	—	—	—	—	—
KDC-2031S/SA/SY	X16-3312-13	—	—	—	—	—	—	—	—	—	—	—
KDC-128/L4	X16-3272-71	—	—	—	—	—	—	—	—	—	—	—
E202	X16-3270-01	—	—	—	—	—	—	—	—	—	—	—
RDT-101	X16-3270-02	—	—	—	—	—	—	—	—	—	—	—
CKDC-995	X16-3370-10	—	—	—	—	—	—	—	—	—	—	—
CKDC-995A	X16-3370-11	—	—	—	—	—	—	—	—	—	—	—
CKDC-495	X16-3370-12	—	—	—	—	—	—	—	—	—	—	—

**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.

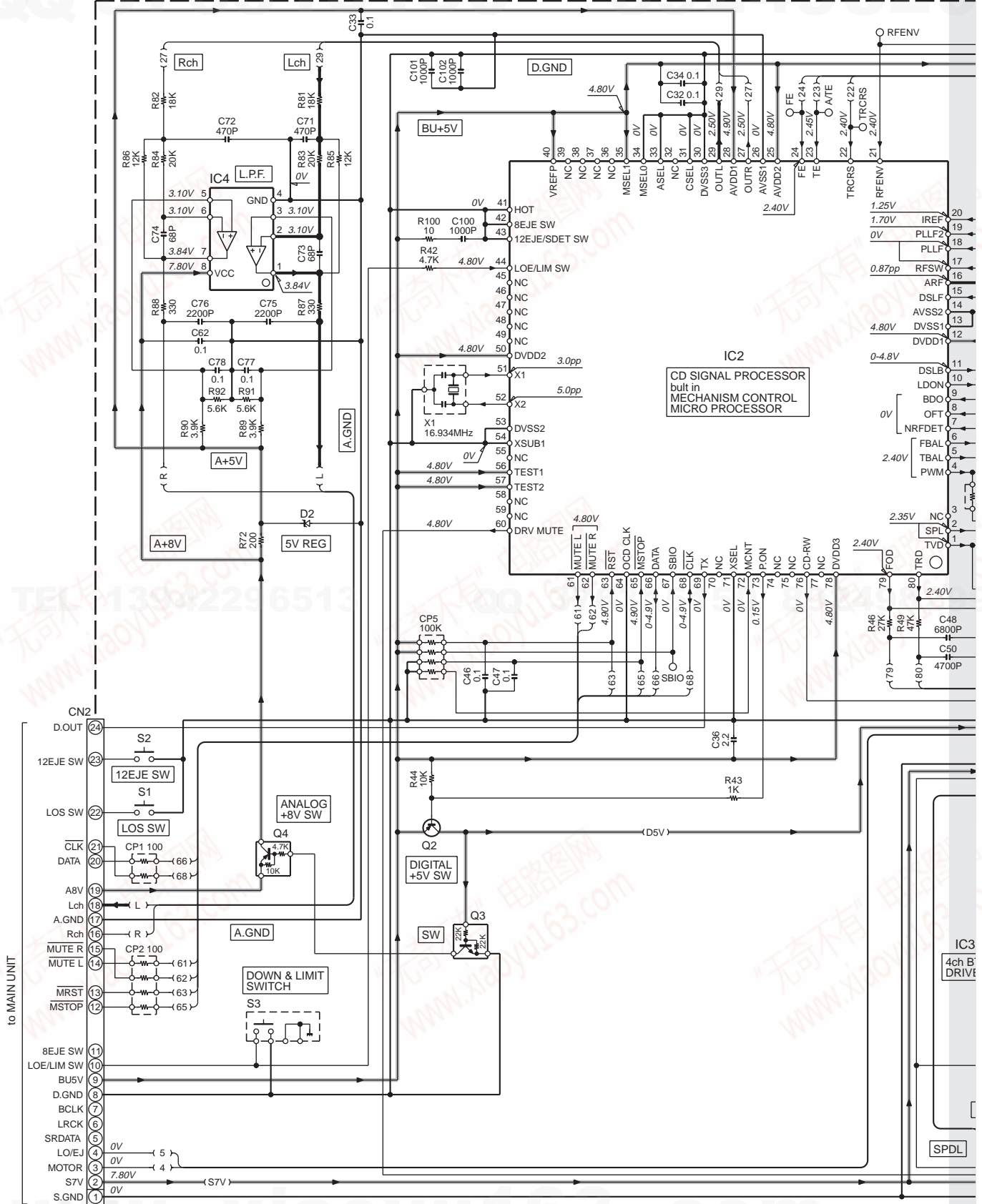
- ED1 : 3-BT-223N
- IC3 : PNA4S22M
- IC4 : ML9228GAZ-A
- Q21 : DTA114EE
- Q22-24 : 2SA1774
- Q25 : 2SC4081
- D31-33,37-39,43-45,49-51,70 : \*
- D34-36,40-42,46-48,52-54 : \*
- D61-65 : \*
- D71-77 : UDZS5.6B
- D96 : DA204U

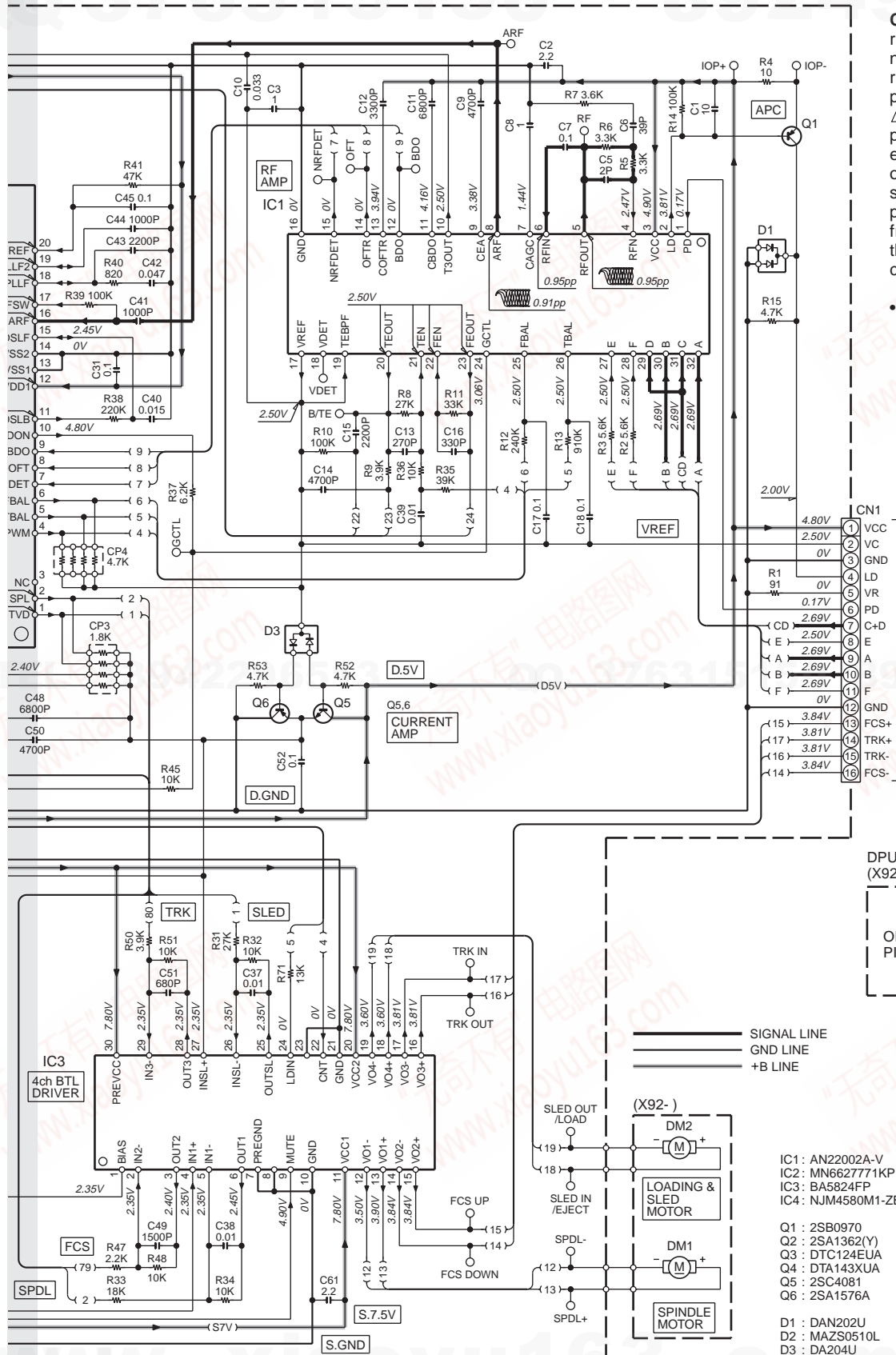


CKDC-395-395A/495(OKI) (2/2)

# CKDC-395/395A/495

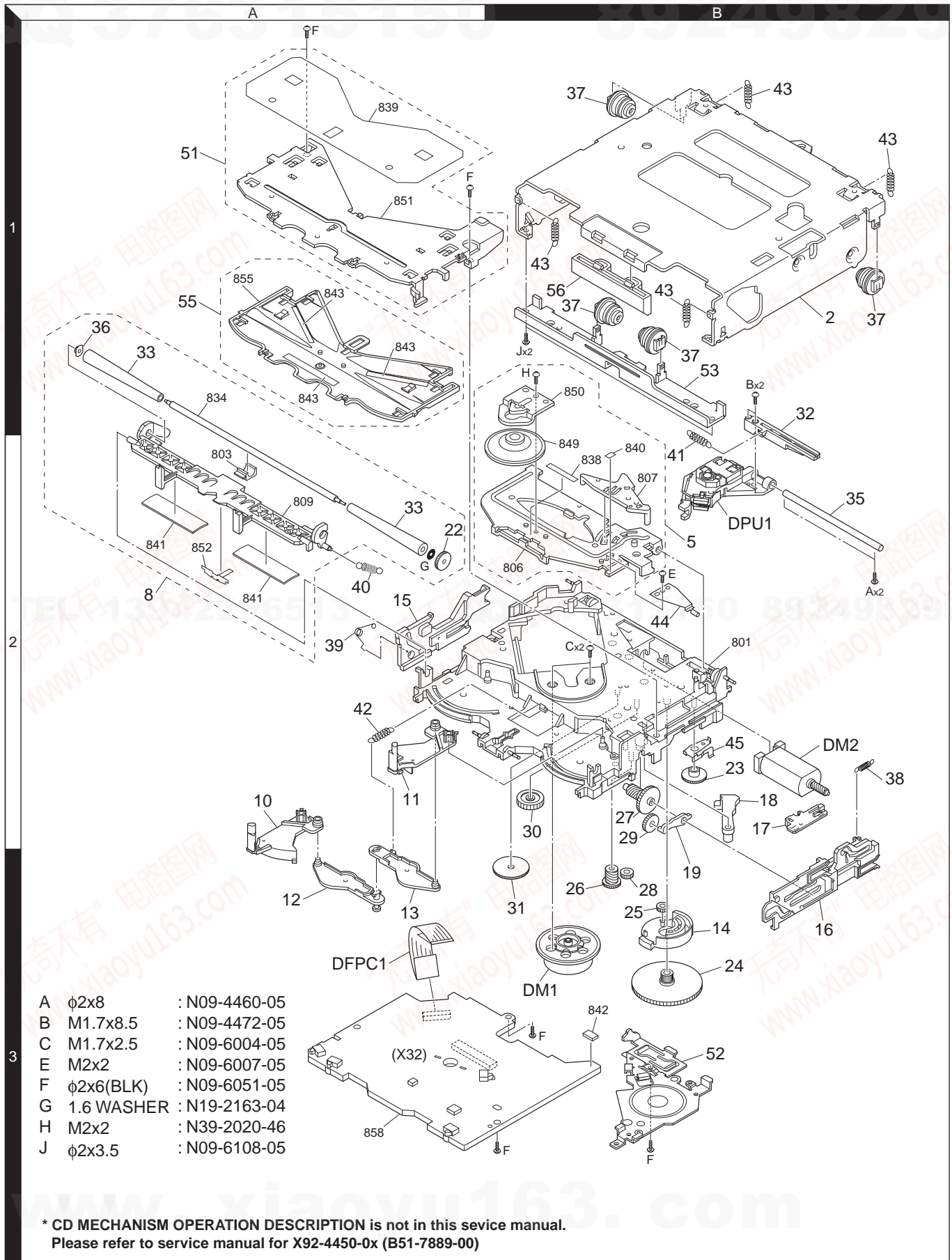
## CD PLAYER UNIT (X32-5750-00)





# CKDC-395/395A/495

## EXPLODED VIEW (CD MECHANISM)







## PARTS LIST

\* New parts

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

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

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

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
<b>CKDC-395/395A/495</b>					
201	1C	*	A02-2746-01	PLASTIC CABINET	
204	2C	*	A22-2922-13	SUB PANEL ASSY	
206	2C	*	A46-1829-01	REAR COVER	
207	1D	*	A52-0821-12	TOP PLATE	
PA1	3C	*	A64-3687-02	PANEL ASSY (CKDC-395)	K
PA1	3C	*	A64-3688-02	PANEL ASSY (CKDC-395A)	K1
PA1	3C	*	A64-3689-02	PANEL ASSY (CKDC-495)	K2
-			B46-0100-50	WARRANTY CARD	
-			B46-0606-04	ID CARD	
-		*	B64-2927-10	INST. MANUAL (ENG, FRE, SPA)	
209	1C	*	B07-3160-01	ESCUTCHEON	
210	3C	*	B19-2355-03	LIGHTING BOARD	
213	3C	*	B43-1524-04	BADGE	
221	2C		D10-4619-03	LEVER	
222	2C		D10-4620-03	LEVER	
223	1C		D10-4705-04	LEVER	
224	2C		D21-2392-04	SHAFT	
226	3C		E29-2027-02	CONDUCTIVE RUBBER	
DC1	1C		E30-6123-15	DC CORD	
FC1	2D		E39-0718-05	FLAT CABLE	
F1	2D		F52-0023-05	FUSE (MINI BLADE TYPE) (10A)	
236	2C		G01-3097-04	TORSION COIL SPRING	
237	2C		G01-3154-04	EXTENSION SPRING	
238	3C	*	G01-3273-04	COMPRESSION SPRING (RELEASE)	
239	3C	*	G01-3274-04	COMPRESSION SPRING (VOL)	
240	1C	*	G11-3654-04	CUSHION	
-			H10-4925-02	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H54-3477-03	ITEM CARTON CASE	
241	3C	*	J19-7097-01	HOLDER	
242	1C	*	J22-0227-03	MOUNTING HARDWARE ASSY	
251	3C	*	K24-4397-04	PUSH KNOB (CLK)	
252	3C	*	K24-4398-04	PUSH KNOB (EJECT)	
253	3C	*	K24-4399-04	PUSH KNOB (RELEASE)	
254	3C	*	K25-1758-03	PUSH KNOB (ATT/Q)	
255	3C	*	K25-1759-02	PUSH KNOB (SRC/PRESET/RESET)	
256	3C	*	K29-7172-03	KNOB BASE (VOL)	
257	3C	*	K29-7173-03	KEY TOP (VOL)	
259	3C	*	K29-7174-03	KNOB BASE (FM/AM)	
261	3C	*	K29-7175-03	KEY TOP (FM/AM)	
262	1C		N84-4016-48	PAN HEAD TAPTITE SCREW	
A	2C		N29-0205-04	RETAINING RING (1.5)	
B	3C		N80-2006-48	PAN HEAD TAPTITE SCREW	
C	2C		N80-2008-43	PAN HEAD TAPTITE SCREW	
D	3D		N83-3005-48	PAN HEAD TAPTITE SCREW	
E	2D		N86-2610-48	BINDING HEAD TAPTITE SCREW	
DME1	1D	*	X92-5230-01	MECHANISM ASSY	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
<b>SWITCH UNIT (X16-3370-1x)</b>					
D31-33			B30-1534-05	LED (D)	K1
D31-33			B30-1567-05	LED (RED)	K2
D34-36			B30-1533-05	LED (PG)	K
D37-39			B30-1534-05	LED (D)	K1
D37-39			B30-1567-05	LED (RED)	K2
D40-42			B30-1533-05	LED (PG)	K
D43-45			B30-1534-05	LED (D)	K1
D43-45			B30-1567-05	LED (RED)	K2
D46-48			B30-1533-05	LED (PG)	K
D49-51			B30-1534-05	LED (D)	K1
D49-51			B30-1567-05	LED (RED)	K2
D52-54			B30-1533-05	LED (PG)	K
D61-65			B30-1533-05	LED (PG)	K
D61-65			B30-1534-05	LED (D)	K1
D61-65			B30-1729-05	LED (BLUE)	K2
D70			B30-1567-05	LED (RED)	KK2
D70			B30-1729-05	LED (BLUE)	K1
C10			CK73GB0J225K	CHIP C 2.2UF	K
C11,12			CK73GB1H103K	CHIP C 0.010UF	K
C15			CC73GCH1H270J	CHIP C 27PF	J
C21			CK73FB1A225K	CHIP C 2.2UF	K
C61-65			CK73GB1H103K	CHIP C 0.010UF	K
C68			CK73GB1H471K	CHIP C 470PF	K
C69			CK73FB1C105K	CHIP C 1.0UF	K
C70			CK73GB1H103K	CHIP C 0.010UF	K
J1			E59-0840-05	RECTANGULAR PLUG	
CP11			RK74HB1J103J	CHIP-COM 10K	J 1/16W
R11			RK73GB2A471J	CHIP R 470	J 1/10W
R13			RK73GB2A471J	CHIP R 470	J 1/10W
R14			RK73GB2A221J	CHIP R 220	J 1/10W
R15-17			RK73GB2A471J	CHIP R 470	J 1/10W
R18			RK73GB2A102J	CHIP R 1.0K	J 1/10W
R19			RK73GB2A471J	CHIP R 470	J 1/10W
R21			RK73GB2A104J	CHIP R 100K	J 1/10W
R22			RK73GB2A101J	CHIP R 100	J 1/10W
R31-34			RK73FB2B471J	CHIP R 470	J 1/8W
R61			RK73EB2E102J	CHIP R 1.0K	J 1/4W
R61			RK73EB2E621J	CHIP R 620	J 1/4W
R61,62			RK73EB2E301J	CHIP R 300	J 1/4W
R62			RK73EB2E681J	CHIP R 680	J 1/4W
R62,63			RK73EB2E561J	CHIP R 560	J 1/4W
R63			RK73EB2E471J	CHIP R 470	J 1/4W
R70			RK73GB2A221J	CHIP R 220	J 1/10W
R74			RK73GB2A4R7J	CHIP R 4.7	J 1/10W
R75			RK73GB2A103J	CHIP R 10K	J 1/10W
R77			RK73GB2A102J	CHIP R 1.0K	J 1/10W
R80-82		*	R92-5095-05	CHIP R 47	J 1/2W
R83-85			RK73GB2A222J	CHIP R 2.2K	J 1/10W
R86-91			RK73GB2A473J	CHIP R 47K	J 1/10W
R93			RK73GB2A223J	CHIP R 22K	J 1/10W
R94			RK73GB2A222J	CHIP R 2.2K	J 1/10W

K : CKDC-395 K1 : CKDC-395A K2 : CKDC-495  
 (E : Europe K : North America M : Other Areas W : Without Europe)

△ Indicates safety critical components.

## PARTS LIST

### SWITCH UNIT (X16-3370-1x)

Ref. No.	Add	New	Parts No.	Description	Destination
R98			RK73GB2A473J	CHIP R 47K J 1/10W	K K1K2
W2			R92-1252-05	CHIP R 0 OHM J 1/16W	
W3			R92-1252-05	CHIP R 0 OHM J 1/16W	
W5			R92-1252-05	CHIP R 0 OHM J 1/16W	
W12,13			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	K2
D96			DA204U	DIODE	
ED1			3-BT-223N	FLUORESCENT INDICATOR TUBE	K2
IC3			PNA4S22M	ANALOGUE IC	
IC4			ML9228GAZ-A	MOS-IC	
Q21			DTA114EE	DIGITAL TRANSISTOR	
Q22-24			2SA1774	TRANSISTOR	
Q25			2SC4081	TRANSISTOR	

### CD PLAYER UNIT (X32-5750-00)

C1			C93-1215-05	CERAMIC 10UF	K
C2			CK73FB1A225K	CHIP C 2.2UF	K
C3			CK73GB0J105K	CHIP C 1.0UF	K
C5			CC73GCH1H020C	CHIP C 2.0PF	C
C6			CC73GCH1H390J	CHIP C 39PF	J
C7			CK73GB1C104K	CHIP C 0.10UF	K
C8			CK73GB0J105K	CHIP C 1.0UF	K
C9			CK73GB1H472K	CHIP C 4700PF	K
C10			CK73GB1C333K	CHIP C 0.033UF	K
C11			CK73GB1H682K	CHIP C 6800PF	K
C12			CK73GB1H332K	CHIP C 3300PF	K
C13			CC73GCH1H271J	CHIP C 270PF	J
C14			CK73GB1H472K	CHIP C 4700PF	K
C15			CK73GB1H222K	CHIP C 2200PF	K
C16			CC73GCH1H331J	CHIP C 330PF	J
C17,18			CK73GB1C104K	CHIP C 0.10UF	K
C31-34			CK73GB1C104K	CHIP C 0.10UF	K
C36			CK73FB1A225K	CHIP C 2.2UF	K
C37-39			CK73GB1H103K	CHIP C 0.010UF	K
C40			CK73GB1H153K	CHIP C 0.015UF	K
C41			CK73GB1H102K	CHIP C 1000PF	K
C42			CK73GB1E473K	CHIP C 0.047UF	K
C43			CK73GB1H222K	CHIP C 2200PF	K
C44			CK73GB1H102K	CHIP C 1000PF	K
C45-47			CK73GB1C104K	CHIP C 0.10UF	K
C48			CK73GB1H682K	CHIP C 6800PF	K
C49			CK73GB1H152K	CHIP C 1500PF	K
C50			CK73GB1H472K	CHIP C 4700PF	K
C51			CK73GB1H681K	CHIP C 680PF	K
C52			CK73GB1C104K	CHIP C 0.10UF	K
C61			CK73FB1A225K	CHIP C 2.2UF	K
C62			CK73GB1C104K	CHIP C 0.10UF	K
C71,72			CK73GB1H471K	CHIP C 470PF	K
C73,74			CC73GCH1H680J	CHIP C 68PF	J
C75,76			CK73GB1H222K	CHIP C 2200PF	K
C77,78			CK73GB1C104K	CHIP C 0.10UF	K
C100-102			CK73GB1H102K	CHIP C 1000PF	K

Ref. No.	Add	New	Parts No.	Description	Destination
CN1			E41-2297-05	FLAT CABLE CONNECTOR	
CN2			E41-2083-05	FLAT CABLE CONNECTOR	
X1			L78-0851-05	RESONATOR (16.93MHZ)	
CP1			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP2			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP3			RK74GB1J182J	CHIP-COM 1.8K J 1/16W	
CP4			RK74GB1J472J	CHIP-COM 4.7K J 1/16W	
CP5			RK74GB1J104J	CHIP-COM 100K J 1/16W	
R1			RK73GB2A910J	CHIP R 91 J 1/10W	
R2,3			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R4			RK73FB2B100J	CHIP R 10 J 1/8W	
R5,6			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R7			RK73GB2A362J	CHIP R 3.6K J 1/10W	
R8			RK73GB2A273J	CHIP R 27K J 1/10W	
R9			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R10			RK73GB2A104J	CHIP R 100K J 1/10W	
R11			RK73GB2A333J	CHIP R 33K J 1/10W	
R12			RK73GB2A244J	CHIP R 240K J 1/10W	
R13			RK73GB2A914J	CHIP R 910K J 1/10W	
R14			RK73GB2A104J	CHIP R 100K J 1/10W	
R15			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R31			RK73GB2A273J	CHIP R 27K J 1/10W	
R32			RK73GB2A103J	CHIP R 10K J 1/10W	
R33			RK73GB2A183J	CHIP R 18K J 1/10W	
R34			RK73GB2A103J	CHIP R 10K J 1/10W	
R35			RK73GB2A393J	CHIP R 39K J 1/10W	
R36			RK73GB2A103J	CHIP R 10K J 1/10W	
R37			RK73GB2A622J	CHIP R 6.2K J 1/10W	
R38			RK73GB2A224J	CHIP R 220K J 1/10W	
R39			RK73GB2A104J	CHIP R 100K J 1/10W	
R40			RK73GB2A821J	CHIP R 820 J 1/10W	
R41			RK73GB2A473J	CHIP R 47K J 1/10W	
R42			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R43			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R44,45			RK73GB2A103J	CHIP R 10K J 1/10W	
R46			RK73GB2A273J	CHIP R 27K J 1/10W	
R47			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R48			RK73GB2A103J	CHIP R 10K J 1/10W	
R49			RK73GB2A473J	CHIP R 47K J 1/10W	
R50			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R51			RK73GB2A103J	CHIP R 10K J 1/10W	
R52,53			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R71			RK73GB2A133J	CHIP R 13K J 1/10W	
R72			RK73FB2B201J	CHIP R 200 J 1/8W	
R81,82			RK73FB2B183J	CHIP R 18K J 1/8W	
R83,84			RK73FB2B203J	CHIP R 20K J 1/8W	
R85,86			RK73FB2B123J	CHIP R 12K J 1/8W	
R87,88			RK73FB2B331J	CHIP R 330 J 1/8W	
R89,90			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R91,92			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R100			RK73GB2A100J	CHIP R 10 J 1/10W	
S1,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	

K : CKDC-395 K1 : CKDC-395A K2 : CKDC-495  
 (E : Europe K : North America M : Other Areas W : Without Europe)

△ Indicates safety critical components.

## PARTS LIST

### CD PLAYER UNIT (X32-5750-00)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
D1			DAN202U	DIODE	
D2			MAZS0510L	ZENER DIODE	
D3			DA204U	DIODE	
IC1			AN22002A-V	ANALOGUE IC	
IC2			MN6627771KP	MOS-IC	
IC3			BA5824FP	ANALOGUE IC	
IC4			NJM4580M1-ZB	ANALOGUE IC	
Q1			2SB0970	TRANSISTOR	
Q2			2SA1362(Y)	TRANSISTOR	
Q3			DTC124EUA	DIGITAL TRANSISTOR	
Q4			DTA143XUA	DIGITAL TRANSISTOR	
Q5			2SC4081	TRANSISTOR	
Q6			2SA1576A	TRANSISTOR	

### ELECTRIC UNIT (X34-3920-1x)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
D401			B30-1567-05	LED (RED)	
C1,2			CD04AT1HR47M	ELECTRO 0.47UF 50WV	
C3-6			C90-5684-05	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	
C74-77			CK73GB1C104K	CHIP C 0.10UF K	
C78			CD04AT1E101M	ELECTRO 100UF 25WV	
C79			CD04AS1A220M	ELECTRO 22UF 10WV	
C80			CD04AT1E101M	ELECTRO 100UF 25WV	
C81			CK73GB1H103K	CHIP C 0.010UF K	
C96			CD04AS1HR47M	ELECTRO 0.47UF 50WV	
C97			CD04BF1C220M	ELECTRO 22UF 16WV	
C153			CK73GB0J105K	CHIP C 1.0UF K	
C201			CK73GB1H103K	CHIP C 0.010UF K	
C255			CD04AS1C100M	ELECTRO 10UF 16WV	
C256			CD04AS1H010M	ELECTRO 1UF 50WV	
C257			C90-5663-05	ELECTRO 1UF 50WV	
C258			CD04AS1H010M	ELECTRO 1UF 50WV	
C331,332			CD04AT1C100M	ELECTRO 10UF 16WV	
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			CK73GB1A224K	CHIP C 0.22UF K	
C420			CC73GCH1H102J	CHIP C 1000PF J	
C422			CC73GCH1H101J	CHIP C 100PF J	
C502			CK73GB1H152K	CHIP C 1500PF K	
C503			CK73GB1C104K	CHIP C 0.10UF K	
C504			CK73GB1H103K	CHIP C 0.010UF K	
C505			CD04AT1C4R7M	ELECTRO 4.7UF 16WV	
C506			CK73GB1A684K	CHIP C 0.68UF K	
C507,508			CD04AT1A220M	ELECTRO 22UF 10WV	
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	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
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			CD04AT1A220M	ELECTRO 22UF 10WV	
C548			CK73GB1E223K	CHIP C 0.022UF K	
C549			CK73GB1H222K	CHIP C 2200PF K	
C550			CK73GB1E333K	CHIP C 0.033UF K	
C551			CK73GB1H103K	CHIP C 0.010UF K	
C552			CK73GB1H222K	CHIP C 2200PF K	
C553			CK73GB1C104K	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			CK73GB1C104K	CHIP C 0.10UF K	
C562			CD04AT1A100M	ELECTRO 10UF 10WV	
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			CK73GB1E223K	CHIP C 0.022UF K	
C583			CK73GB1C683K	CHIP C 0.068UF K	
C584,585			CK73GB1A105K	CHIP C 1.0UF K	
C586			CK73GB0J105K	CHIP C 1.0UF K	
C587			CK73GB1C104K	CHIP C 0.10UF K	
C588			CK73GB1A474K	CHIP C 0.47UF K	
C589			CK73GB1C104K	CHIP C 0.10UF K	
C590			CK73GB1H392K	CHIP C 3900PF K	
C600			CD04AT1A101M	ELECTRO 100UF 10WV	
C601			CK73GB1E223K	CHIP C 0.022UF K	
C602			CC73GCH1H151J	CHIP C 150PF J	
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	
J1			E58-0991-05	RECTANGULAR RECEPTACLE	
J4			E04-0326-05	RF COAXIAL CABLE RECEPTACLE	
J5			E58-0992-05	RECTANGULAR RECEPTACLE	
J6			E63-0898-05	PIN JACK	

K : CKDC-395 K1 : CKDC-395A K2 : CKDC-495  
 (E : Europe K : North America M : Other Areas W : Without Europe)

△ Indicates safety critical components.

## PARTS LIST

### ELECTRIC UNIT (X34-3920-1x)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
CF51-53			L72-0805-05	CERAMIC FILTER		R133			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
CF54			L72-0804-05	CERAMIC FILTER		R135-140			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
L3			L33-1978-05	CHOKE COIL		R141			RK73EB2E2R2J	CHIP R 2.2 J 1/4W	
L4			L33-2260-05	CHOKE COIL		R151			RK73GB2A102J	CHIP R 1.0K J 1/10W	
L51		*	L33-2289-05	CHOKE COIL ASSY		R152			RK73EB2E100J	CHIP R 10 J 1/4W	
L61			L40-4795-91	SMALL FIXED INDUCTOR (4.7UH)		R153			RK73EB2E471J	CHIP R 470 J 1/4W	
L501			L40-6891-58	SMALL FIXED INDUCTOR (6.8UH)		R156,157			RK73EB2E102J	CHIP R 1.0K J 1/4W	
L502			L40-3301-58	SMALL FIXED INDUCTOR (33UH)		R158			RK73EB2E101J	CHIP R 100 J 1/4W	
L503			L40-1021-56	SMALL FIXED INDUCTOR (1MH)		R159			RK73EB2E102J	CHIP R 1.0K J 1/4W	
L504			L40-1011-58	SMALL FIXED INDUCTOR (100UH)		R160,161			RK73EB2E471J	CHIP R 470 J 1/4W	
L505			L40-3381-58	SMALL FIXED INDUCTOR (0.33UH)		R162			RK73EB2E102J	CHIP R 1.0K J 1/4W	K2
L506			L31-0977-15	FM-RF COIL		R163			RK73EB2E471J	CHIP R 470 J 1/4W	
L507			L32-0941-15	FM OSCILLATING COIL		R164			RK73EB2E102J	CHIP R 1.0K J 1/4W	
L508			L30-0776-15	FM IFT		R178			RK73EB2E471J	CHIP R 470 J 1/4W	
L509			L30-0777-15	AM IFT		R180-182			RK73GB2A222J	CHIP R 2.2K J 1/10W	
L518			L31-0976-15	FM-RF COIL		R190			RK73GB2A104J	CHIP R 100K J 1/10W	
L520			L40-3381-58	SMALL FIXED INDUCTOR (0.33UH)		R191			RK73GB2A225J	CHIP R 2.2M J 1/10W	
L521			L40-1073-72	SMALL FIXED INDUCTOR (10NH)		R193,194			RK73GB2A474J	CHIP R 470K J 1/10W	
L600			L92-0607-05	CHIP FERRITE		R199			RK73GB2A241J	CHIP R 240 J 1/10W	
L601,602			L92-0397-05	CHIP FERRITE		R251			RK73GB2A154J	CHIP R 150K J 1/10W	
L604,605			L92-0609-05	CHIP FERRITE		R252			RK73GB2A473J	CHIP R 47K J 1/10W	
X1			L78-0879-05	RESONATOR (10.0MHZ)		R253			RK73GB2A432J	CHIP R 4.3K J 1/10W	
X2			L77-2793-05	CRYSTAL RESONATOR (32.768KHZ)		R254			RK73GB2A100J	CHIP R 10 J 1/10W	
X501			L77-2077-05	CRYSTAL RESONATOR (10.250MHZ)		R255			RK73GB2A331J	CHIP R 330 J 1/10W	
F	2D		N80-3010-48	PAN HEAD TAPTITE SCREW		R256			RK73GB2A154J	CHIP R 150K J 1/10W	
G	2D		N83-3005-48	PAN HEAD TAPTITE SCREW		R257			RK73GB2A123J	CHIP R 12K J 1/10W	
H	2D		N83-3020-48	PAN HEAD TAPTITE SCREW		R271			RK73GB2A101J	CHIP R 100 J 1/10W	
J	3D		N86-2606-48	BINDING HEAD TAPTITE SCREW		R272			RK73GB2A103J	CHIP R 10K J 1/10W	
R21			RD14BB2C152J	RD 1.5K J 1/6W		R273			RK73GB2A474J	CHIP R 470K J 1/10W	
R51			RK73FB2B683J	CHIP R 68K J 1/8W		R331,332			RK73GB2A271J	CHIP R 270 J 1/10W	
R52			RK73GB2A393J	CHIP R 39K J 1/10W		R335,336			RK73GB2A303J	CHIP R 30K J 1/10W	
R53			RK73GB2A104J	CHIP R 100K J 1/10W		R338,339			RD14BB2C101J	RD 100 J 1/6W	
R54			RK73FB2B203J	CHIP R 20K J 1/8W		R351,352			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R55,56			RK73GB2A103J	CHIP R 10K J 1/10W		R353			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R57			RK73GB2A223J	CHIP R 22K J 1/10W		R355,356			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R58			RD14DB2H332J	SMALL-RD 3.3K J 1/2W		R358			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R59			RD14BB2C333J	RD 33K J 1/6W		R359			RK73GB2A101J	CHIP R 100 J 1/10W	
R60			RK73GB2A103J	CHIP R 10K J 1/10W		R360			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R61			RK73GB2A223J	CHIP R 22K J 1/10W		R363			RD14BB2C472J	RD 4.7K J 1/6W	
R72			RD14BB2C472J	RD 4.7K J 1/6W		R365			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R75-78			RK73GB2A103J	CHIP R 10K J 1/10W		R366			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R81			RD14BB2C103J	RD 10K J 1/6W		R367			RK73GB2A104J	CHIP R 100K J 1/10W	
R82			RK73GB2A223J	CHIP R 22K J 1/10W		R368,369			RK73GB2A471J	CHIP R 470 J 1/10W	
R83			RK73GB2A473J	CHIP R 47K J 1/10W		R370,371			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R85			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		R411			RK73GB2A223J	CHIP R 22K J 1/10W	
R86			RK73EB2E1R0J	CHIP R 1.0 J 1/4W		R413			RK73GB2A223J	CHIP R 22K J 1/10W	
R87,88			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		R416-418			RK73GB2A223J	CHIP R 2.2K J 1/10W	
R90			RK73GB2A1R0J	CHIP R 1.0 J 1/10W		R432			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R96			RK73GH2A273D	CHIP R 27K D 1/10W		R433			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R97			RK73GH2A332D	CHIP R 3.3K D 1/10W		R435,436			RK73GB2A103J	CHIP R 10K J 1/10W	
R98			RK73EB2E102J	CHIP R 1.0K J 1/4W		R437,438			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R99			RK73GB2A104J	CHIP R 100K J 1/10W		R439			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R100			RK73GB2A272J	CHIP R 2.7K J 1/10W		R440,441			RK73GB2A473J	CHIP R 47K J 1/10W	
R130,131			RK73EB2E4R7J	CHIP R 4.7 J 1/4W		R453			RK73GB2A473J	CHIP R 47K J 1/10W	
						R454			RK73GB2A472J	CHIP R 4.7K J 1/10W	

K : CKDC-395 K1 : CKDC-395A K2 : CKDC-495  
 (E : Europe K : North America M : Other Areas W : Without Europe)

△ Indicates safety critical components.

## PARTS LIST

### ELECTRIC UNIT (X34-3920-1x)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R456			RK73GB2A104J	CHIP R 100K J 1/10W	
R457			RK73GB2A103J	CHIP R 10K J 1/10W	
R471			RK73GB2A103J	CHIP R 10K 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	
R562			RK73GB2A106J	CHIP R 10M 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	
W53			R92-1252-05	CHIP R 0 OHM J 1/16W	
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	
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	
W92			R92-1252-05	CHIP R 0 OHM J 1/16W	
W93			R92-2053-05	CHIP R 0 OHM J 1/8W	
W96-98			R92-1252-05	CHIP R 0 OHM J 1/16W	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
W99			R92-2053-05	CHIP R 0 OHM J 1/8W	
W102			R92-2053-05	CHIP R 0 OHM J 1/8W	
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	
W810			R92-1252-05	CHIP R 0 OHM J 1/16W	
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			MAZ4068N-M	ZENER DIODE	
D53			UDZS6.8B	ZENER DIODE	
D54			MAZ4068N-M	ZENER DIODE	
D55			1SS355	DIODE	
D57			S2V60*A	DIODE	
D71			MAZ4082N-L	ZENER DIODE	
D72			D1F60-5063	DIODE	
D74			D1F60-5063	DIODE	
D76			DAN202U	DIODE	
D77			AM01ZNF	DIODE	
D81			UDZS4.7B	ZENER DIODE	
D162			MAZ4062-L	ZENER DIODE	
D203			1SS133	DIODE	
D259			1SS133	DIODE	
D261			1SS355	DIODE	
D403			DAN202U	DIODE	
D501			RN739F	DIODE	
D502,503			KP2311ETR-G	DIODE	
D504			KV1430STL-G	VARIABLE CAPACITANCE DIODE	
D506			HVC383B-E	VARIABLE CAPACITANCE DIODE	
IC1			784225GC283A	MICROCONTROLLER IC	
IC3			BD4912-V4	ANALOGUE IC	
IC4			TB2904HQ	ANALOGUE IC	
IC6			TC7W02FU-F	MOS-IC	
IC8			S-80836CNNB-J	MOS-IC	
IC10			E-TDA7516	ANALOGUE IC	
IC11			BR24L04FV-W	ROM IC	
IC15			BA00CCWT	ANALOGUE IC	
Q51-53			2SC4081	TRANSISTOR	
Q71			UMC2N	TRANSISTOR	
Q72			2SD2396(J,K)	TRANSISTOR	
Q151			DTA114YUA	DIGITAL TRANSISTOR	
Q155			2SC4081	TRANSISTOR	
Q252			2SA1576A	TRANSISTOR	

K2

K : CKDC-395 K1 : CKDC-395A K2 : CKDC-495  
 (E : Europe K : North America M : Other Areas W : Without Europe)

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## PARTS LIST

### ELECTRIC UNIT (X34-3920-1x)

Ref. No.	Add	New	Parts No.	Description	Destination
Q330			DTA124EUA	DIGITAL TRANSISTOR	
Q351,352			DTC143TUA	DIGITAL TRANSISTOR	
Q501			HN3G01J(BL)-F	TRANSISTOR	
TH1			PRF21BE471QB2	POSITIVE RESISTOR	
<b>MECHANISM ASSY (X92-5230-01)</b>					
2	1B		A10-5093-32	CHASSIS	
5	2B		D10-4785-63	ARM ASSY	
8	2A		D10-4787-63	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		D10-4792-13	SLIDER	
16	3B		D10-4784-42	SLIDER	
17	2B		D10-4588-13	SLIDER	
18	2B		D10-4595-04	ARM	
19	3B		D10-4596-24	ARM	
22	2A		D13-2151-04	GEAR	
23	2B		D13-2152-04	GEAR	
24	3B		D13-2153-04	GEAR	
25	3B		D13-2154-04	GEAR	
26	3B		D13-2155-04	WORM	
27	2B		D13-2156-14	GEAR	
28	3B		D13-2157-04	GEAR	
29	2B		D13-2158-04	GEAR	
30	2B		D13-2168-04	GEAR	
31	3B		D13-2171-04	GEAR	
32	1B		D13-2172-13	RACK (GEAR)	
33	2A		D14-0759-04	ROLLER	
35	2B		D21-2382-04	SHAFT	
36	1A		D23-0954-04	RETAINER	
37	1B		D39-0260-05	DAMPER	
38	2B		G01-3072-04	EXTENSION SPRING	
39	2A		G01-3073-04	TORSION COIL SPRING	
40	2A		G01-3074-04	EXTENSION SPRING	
41	2B		G01-3075-14	EXTENSION SPRING	
42	2A		G01-3076-04	EXTENSION SPRING	
43	1B		G01-3077-14	EXTENSION SPRING	
44	2B		G02-1399-04	FLAT SPRING	
45	2B		G02-1408-04	FLAT SPRING	
51	1A		J22-0064-23	MOUNTING HARDWARE ASSY	
52	3B		J21-9677-22	MOUNTING HARDWARE	
53	1B		J21-9678-13	MOUNTING HARDWARE	
55	1A		J90-1078-14	GUIDE ASSY	
56	1B		J90-1023-03	GUIDE	
DFPC1	3A		J84-0141-05	FPC (16PIN)	
A	2B		N09-4460-05	TAPTITE SCREW (OVAL P TAPTIT)	
B	1B		N09-4472-15	MACHINE SCREW (M1.7X8.0)	
C	2B		N09-6004-05	MACHINE SCREW (M1.7X2.5 IB-L)	
E	2B		N09-6007-05	MACHINE SCREW (PAN M2X2)	
F	1A		N09-6051-05	TAPTITE SCREW (BIND P 2X5)	

Ref. No.	Add	New	Parts No.	Description	Destination
G	2A		N19-2163-04	FLAT WASHER	
H	1B		N39-2020-46	PAN HEAD MACHINE SCREW	
J	1B		N09-6108-05	MACHINE SCREW (M2*3.5TYPE3)	
DM1	3B		T42-1066-04	DC MOTOR ASSY (SPINDLE)	
DM2	2B		T42-1067-04	DC MOTOR ASSY (LOADING)	
DPU1	2B		X93-2010-00	OPTICAL PICKUP ASSY	

K : CKDC-395    K1 : CKDC-395A    K2 : CKDC-495  
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## SPECIFICATIONS

### FM

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

### AM

Frequency Range (Frequency Step) .....	530kHz~1700kHz (10kHz)
Channel Space Selection .....	9kHz/10kHz
Usable Sensitivity (S/N : 20dB) .....	28dB $\mu$ V (25 $\mu$ V)

### CD

Laser Diode .....	GaAIAs
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 ( $\pm$ 1dB)
Total Harmonic Distortion .....	0.01% (1kHz)
S/N Ratio .....	93dB (1kHz)
Dynamic Range .....	93dB
Channel Separation .....	85dB
Preout Level / Load .....	2000mV/10k $\Omega$ (CD)
Preout Impedance .....	$\leq$ 600 $\Omega$

### AMPLIFIER

Maximum Power .....	45W x 4
Full Bandwidth Power (at less than 1% THD) .....	22W x 4

### TONE

Bass .....	100Hz $\pm$ 10dB
Middle .....	1kHz $\pm$ 10dB
Treble .....	10kHz $\pm$ 10dB

### GENERAL

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

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