

CD RECEIVER

# KDC-3011/3012/4071RY

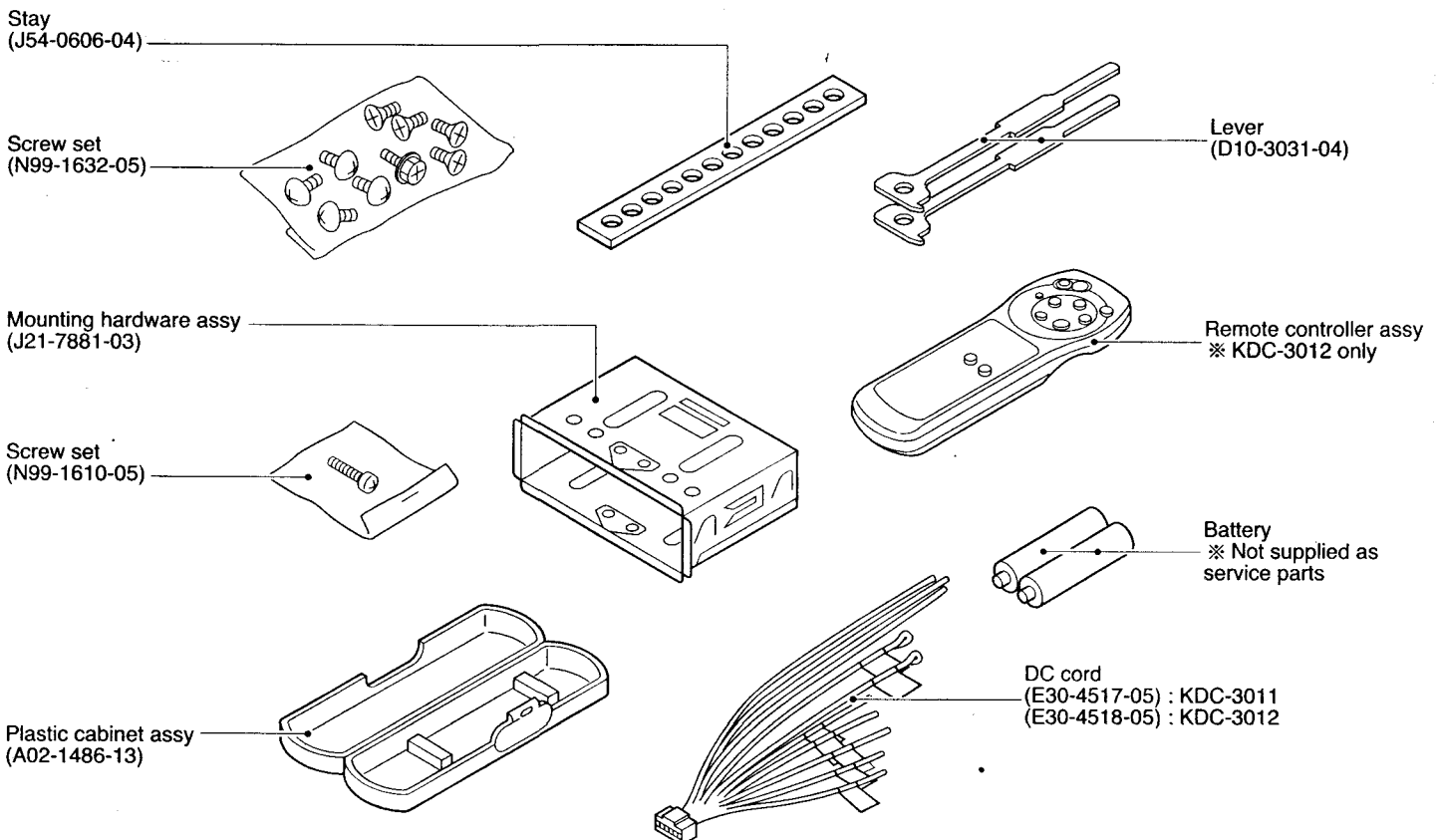
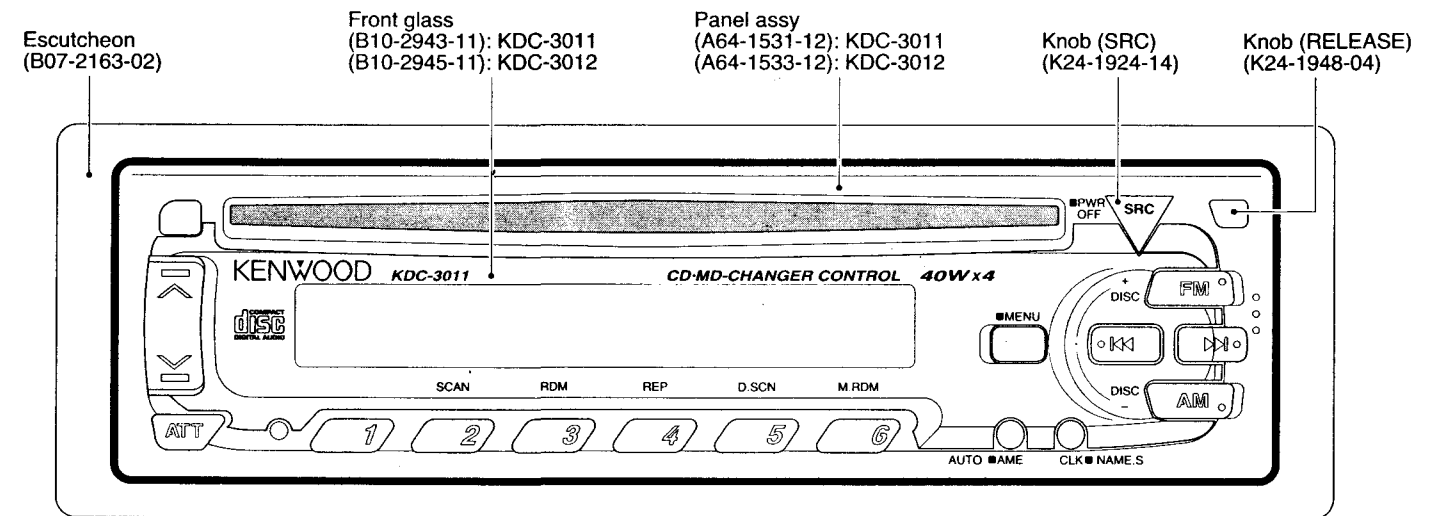
## SERVICE MANUAL

# KENWOOD

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B51-7410-00 (K) 2485

**Illustration is KDC-3011  
(For KDC-3011/3012)**

Extension cord	Parts No.
CD mechanism(22P)	W05-0618-00



The MECHANISM OPERATION DESCRIPTION is the same as model KDC-S3007 and KDC-5050RG.  
Please refer to the service manual for model KDC-S3007(B51-7092-00) or KDC-5050RG(B51-7099-00).

## SPECIFICATIONS

### [ KDC-3011/3012 ]

#### FM

Frequency Range	
KDC-3011(K)	87.9 ~ 107.9MHz
KDC-3012(M)	87.5 ~ 108.0MHz
Frequency Step	
KDC-3011(K)	200kHz
KDC-3012(M)	50kHz
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	
KDC-3011(K)	530 ~ 1700kHz
KDC-3012(M)	531 ~ 1611kHz
Frequency Step	
KDC-3011(K)	10kHz
KDC-3012(M)	9kHz
Usable Sensitivity	28dB (25 $\mu$ V)

#### CD

Laser Diode	GaAlAs ( $\lambda = 780\text{nm}$ )
Digital Filter (D/A)	8Times Over Sampling
D/A Converter	1Bit
Spindle Speed	500 ~ 200 (CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	10 ~ 20kHz ( $\pm$ 1dB)
Total Harmonic Distortion	0.01% (1kHz)
S/N Ratio	93dB (1kHz)
Dynamic Range	93dB
Channel Separation	85dB

#### AUDIO

Preout Level/Load	1800mV/10k $\Omega$
Preout Impedance	$\leq$ 600 $\Omega$
Max Power	40W X 4
PWR (4 $\Omega$ , 30 ~ 20kHz, 1%THD)	20W X 4
Tone Action	
Bass	100Hz $\pm$ 10dB
Treble	10kHz $\pm$ 10dB

#### GENERAL

Operating Voltage (11 ~ 16V allowable)	14.4V
Current Consumption	10.0A at rated power
Installation Size (W X H X D)	182 X 53 X 160mm
Weight	1800g

### [ KDC-4071RY ]

#### FM

Frequency Range	87.5 ~ 108.0MHz
Frequency Step	50kHz
Frequency Range	65 ~ 74MHz
Frequency Step	30kHz
Usable Sensitivity (S/N : 26dB)	0.7 $\mu$ V/75 $\Omega$
Quieting Sensitivity (S/N : 46dB)	1.6 $\mu$ V/75 $\Omega$
Frequency Response ( $\pm$ 3.0dB)	30Hz ~ 15kHz
S/N	65dB (MONO)
Selectivity (DIN)	$\geq$ 80dB ( $\pm$ 400kHz)
STEREO Separation	35dB (1kHz)

#### MW

Frequency Range	531 ~ 1611kHz
Frequency Step	9kHz
Usable Sensitivity	25 $\mu$ V

#### LW

Frequency Range	153 ~ 281kHz
Usable Sensitivity	45 $\mu$ V

#### CD

Laser Diode	GaAlAs ( $\lambda = 780\text{nm}$ )
Digital Filter (D/A)	8Times Over Sampling
D/A Converter	1Bit
Spindle Speed	500 ~ 200 (CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	10 ~ 20kHz ( $\pm$ 1dB)
Total Harmonic Distortion	0.01% (1kHz)
S/N Ratio	93dB (1kHz)
Dynamic Range	93dB
Channel Separation	85dB

#### AUDIO

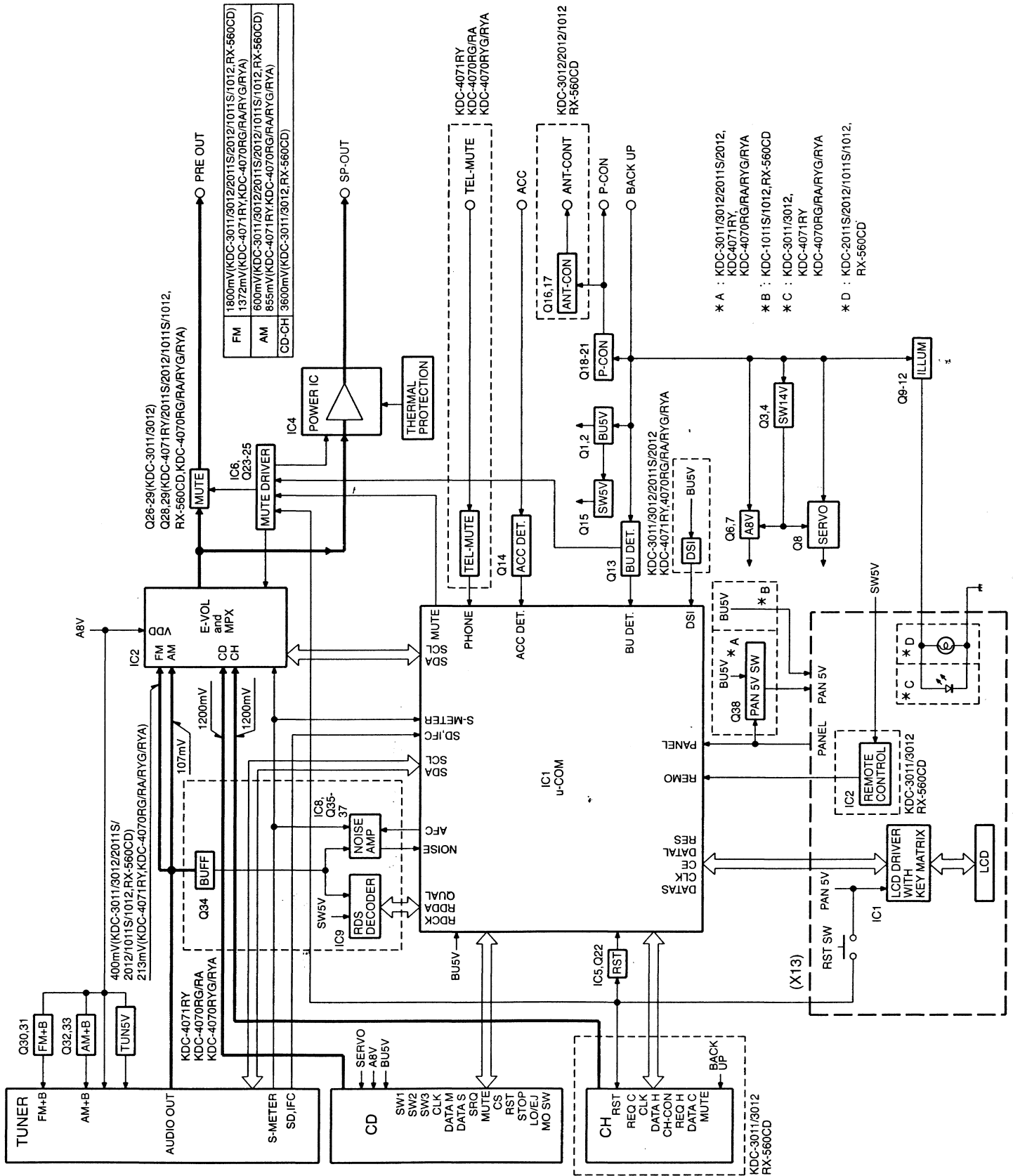
Preout Level/Load	1800mV/10k $\Omega$
Preout Impedance	$\leq$ 600 $\Omega$
Max Power	40W X 4
PWR (DIN45324, +B = 14.4V)	26W X 4
Tone Action	
Bass	100Hz $\pm$ 10dB
Treble	10kHz $\pm$ 10dB

#### GENERAL

Operating Voltage (11 ~ 16V allowable)	14.4V
Current Consumption	10.0A at rated power
Installation Size (W X H X D)	182 X 53 X 160mm
Weight	1800g

# KDC-3011/3012/4071RY

## BLOCK DIAGRAM



# KDC-3011/3012/4071RY

## COMPONENT DESCRIPTION

### ● SWITCH UNIT(X13-9XXX-XX)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC1	LC75883E	LCD driver with key-matrix	-
IC2	RS-171	Remote control light sensor	-
Q 1	DTA114EKorUN2111	key-matrix permission sw	ready on key-matrix

### ● ELECTRIC UNIT(X25-8XXX-XX)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC1	UPD78016FGC560	System u-COM.	-
IC1	UPD78018FGC549	System u-COM.	-
IC2	TDA7461ND	E-VOL&NC MPX	-
IC4	TDA7384A	Power IC	-
IC5	PST9137NR	Reset IC	Detection voltage below 3.7V: L
IC6	HD74HC27FP	Mute logic	-
IC8	NJM4565M-TE2	Noise detection Amp.	-
IC9	TDA7479D	RDS decode IC	-
Q1	2SB1565F(E,F)	BU 5V AVR	inverted darlington connection
Q2	2SC1740S		On during BU applied
Q3	DTA124EKorUN2112orKRA103S	SW14V	On while power is on
Q4	DTC144EKorUN2213orKRC104S		
Q6	2SB1184	Audio 8V AVR	inverted darlington connection
Q7	2SC2412Kor2SD601A		On while power is on
Q8	2SD2396F40	Servo AVR	ON while power is on
Q9	UN5213orDTC144EUA		
Q10	UN5112orDTA124EUA		
Q11	2SB1184	Illumination AVR	ON while power is on
Q12	2SC1740S		
Q13	2SD1819Aor2SC4081	Momentary power down detection	H when momentary power down detected
Q14	2SC2412Kor2SD601A	ACC detection	H during ACC off
Q15	2SA1036K	SW 5V	ON while power is on
Q16	2SB1277(Q,R)	P-ANT SW	ON during FM/AM reception
Q17	DTC114YKorUN2214		
Q18	2SB1277(Q,R)	P-CON SW	ON while power is on
Q21	DTC114YKorUN2214		
Q19	2SA1037K	Protection for P-CON SW	Activates when the P-CON output voltage drops
Q20	DTA124EKorUN2112orKRA103S	Reset	ON when panel reset SW pressed
Q22	UN5213orDTC144EUA	Audio mute driver	Mute driver for Audio mute SW and E-VOL mute SW
Q23	DTA124EKorUN2112orKRA103S	E-VOL mute SW	E-VOL is muted when the base goes "H"
Q24	DTC144EKorUN2213orKRC104S	SVR SW	Power IC reset
Q25	DTC144EKorUN2213orKRC104S		
Q26	DTC143TKorUN2216		
Q27	DTC143TKorUN2216	Audio mute SW	Audio preout is muted when the base goes "H"
Q28	DTC143TKorUN2216		
Q29	DTC143TKorUN2216		
Q30	2SB1277(Q,R)	FM +B SW	ON during FM reception
Q31	DTC124EKorUN2212		
Q32	2SB1277(Q,R)	AM +B SW	ON during AM reception
Q33	DTC124EKorUN2212		
Q34	2SD1819Aor2SC4081	Audio out buffer	-
Q35	2SC2412Kor2SD601A	Noise buffer	-
Q36	DTC114TKorUN2215	Low pass filter SW	ON during reception
Q37	DTA124EKorUN2112orKRA103S	Panel detection SW	ON during panel closed
Q38	DTA114YKorUN2114		

### ● CD PLAYER UNIT(X32-4280-00)

Ref.No.	Component Name	Application/Function	Operation/Condition/Compatibility
IC1	AN8806SB	RF amplifier	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-track conditions.
IC2	MN662747RPH	CD signal processor IC	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)operations.
IC3	M37471M8-708FP	Mechanism control u-COM.	-
IC4	BA6790FP	BTL driver	Focusing coil, tracking coil and sled motor driver
IC5	TA78L05F	5V AVR	-
IC6	NJM4565MD	Low pass filter	-
Q1	2SA1362(Y)	APC	LD power control
Q2	DTC124EK		Power on during the source selected CD
Q3	2SA1362(Y)	POWER SW	A8V line control
Q4	2SA1362(Y)		D5V line control
Q5	DTC124EK		Power on during CD loading or eject action
Q6	2SA1037K	X1 oscillation stop	Off during the source selected CD
Q12	DTC124EK	Track cross SW	On during play
Q21	2SA1576A	CDR SW	Off during CDR play

# KDC-3011/3012/4071RY

## MICROCOMPUTER'S DESCRIPTION

System u-COM.: UPD78016FGC560(X25-823x-xx: IC1)

System u-COM.: UPD78018FGC549(X25-823x-xx: IC1)

### Terminal Description

Pin No.	Pin Name	I/O	Function	Description	Processing Operation
1	P30/T00	O	RES	Reset output to the LCD driver IC	Active: L
2	P31/T01	O	LCENTYPE0	CE output to the LCD driver IC/switch model 0	Active: H
3	P32/T02	O	MCSS	Handshake request to the u-COM. of CD mecha.	Active: L
4	P33/T11	O	M RST	Reset output to the u-COM. of CD mecha.	Active: L
5	P34/T12	O	M STOP	Stop request to the u-COM. of CD mecha.	Active: L
6	P35/PCL	I/O	LO/EJ	CD media Loading/Eject switching output	Loading: L, Eject: H
7	P36/BUZ	O	BEEP	BEEP sound output	BEEP: 2.4kHz square wave
8	P37	O	MOSW	Start up the loading motor of CD mecha. when the CD loading/eject action connected to GND	Loading/Eject: H, other: L
9	VSS	-	-	-	-
10	P40/AD0	I	SW3	Down limit switch detection	ON: L
11	P41/AD1	I	PANEL	Panel open/close detection	Panel closed: L
12	P42/AD2	I	IC2 TYPE0	IC2 setting terminal	Initial value: L
13	P43/AD3	I	IC2 TYPE1	IC2 setting terminal	Initial value: L
14	P44/AD4	I	SD	FM/AM SD input from the tuner pack	Station detected: H Not detected: L
15	P45/AD5	I	IFC	AM IF count input from the tuner pack	-
16	P46/AD6	I	BU DET	Momentary power down detection	Momentary power down: H
17	P47/AD7	I	ACC DET	ACC detection	ACC OFF: H
18	P50/A8	O	AM+8	AM+8 control	Active: H
19	P51/A9	O	FM+8	FM+8 control	Active: H
20	P52/A10	O	REQH	Request output to changers	Requested: H
21	P53/A11	O	CH	Changer control	Standby: L, ON: H
22	P54/A12	O	P MUTE	Power IC mute control	Active: L
23	P55/A13	O	SVR	Power IC reset	Power on: L
24	VSS	-	-	-	-
25	P56/A14	O	IC2 SCK	Clock output to the E-VOL IC	-
26	P57/A15	O	DSI	DSI output	-
27	P60	I/O	P.LL SDA	Data output to the P.LL IC	-
28	P61	O	P.LL SCL	Clock output to the P.LL IC	-
29	P62	I/O	IC2 SDA	Data output to the E-VOL IC	-
30	P63	O	MUTE	Audio mute control	Active: H
31	P64/RD	O	ANT CONT	Antenna control	Active: H
32	P65/WH	O	P CON	External Power control	Active: H
33	P66/WAIT	O	SW5	SW 5V control	Active: H
34	P67/STB	O	P ON	Internal Power control	Active: H
35	RESET	I	RESET	System Initialize	Active: L
36	P00/INT/P0/T10	I	REMO	Data input from the remote control light sensor	-
37	P01/INT/P1	O	R CLK	Request input from changers	Active: H
38	P02/INT/P2	I	REQC	Handshake request from the u-COM. of CD mecha.	-
39	P03/INT/P3	I	M SRO	connected to BUSV lines	-
40	Vdd	-	-	-	-
41	X2	I	X2	connected to the resonator for main clock	-
42	X1	I	X1	connected to the resonator for sub clock	-
43	IC(Vpp)	-	VSS	connected to GND	-
44	X12	I	X12	connected to the resonator for sub clock	-
45	P04/X11	I	X11	connected to the resonator for sub clock	-
46	AVSS	-	AVSS	connected to GND	-
47	P10/ANI0	I	SMT	S-meter input from the tuner pack	-
48	P11/ANI1	O	PHONE	NC	-
49	P12/ANI2	O	NOISE	NC	-
50	P13/ANI3	O	ILL ON	Illumination control	Active: H
51	P14/ANI4	I	SW2	12cm disc detection	Active: L
52	P15/ANI5	I	SW1	Loading detection	Active: L
53	P16/ANI6	O	M CLK	Clock output to the u-COM. of CD mecha.	-
54	P17/ANI7	O	M DATAM	Data input from the u-COM. of CD mecha.	-
55	AVdd	-	AVdd	connected to BUSV lines	-
56	AVdel	-	AVdel	connected to BUSV lines	-
57	P20/SI1	I	DATAL	Data input from the LCD driver IC	-
58	P21/SCI1	O	L DATAS/C2 TYPE0	Data output to the LCD driver IC/switch model 1	-
59	P22/SCI1	O	L CLK/TYPE2	Clock output to the LCD driver IC/switch model 2	-
60	P23/STB	O	M D1/MS	Data output to the u-COM. of CD mecha.	-
61	P24/BSUY	I	M MUTE	Muting request from the u-COM. of CD mecha.	Active: L
62	P25/SIO/SB0	O	(not used)	-	-
63	P26/SIO/SB1	O	(not used)	-	-
64	P27/SC/K0	O	(not used)	-	-

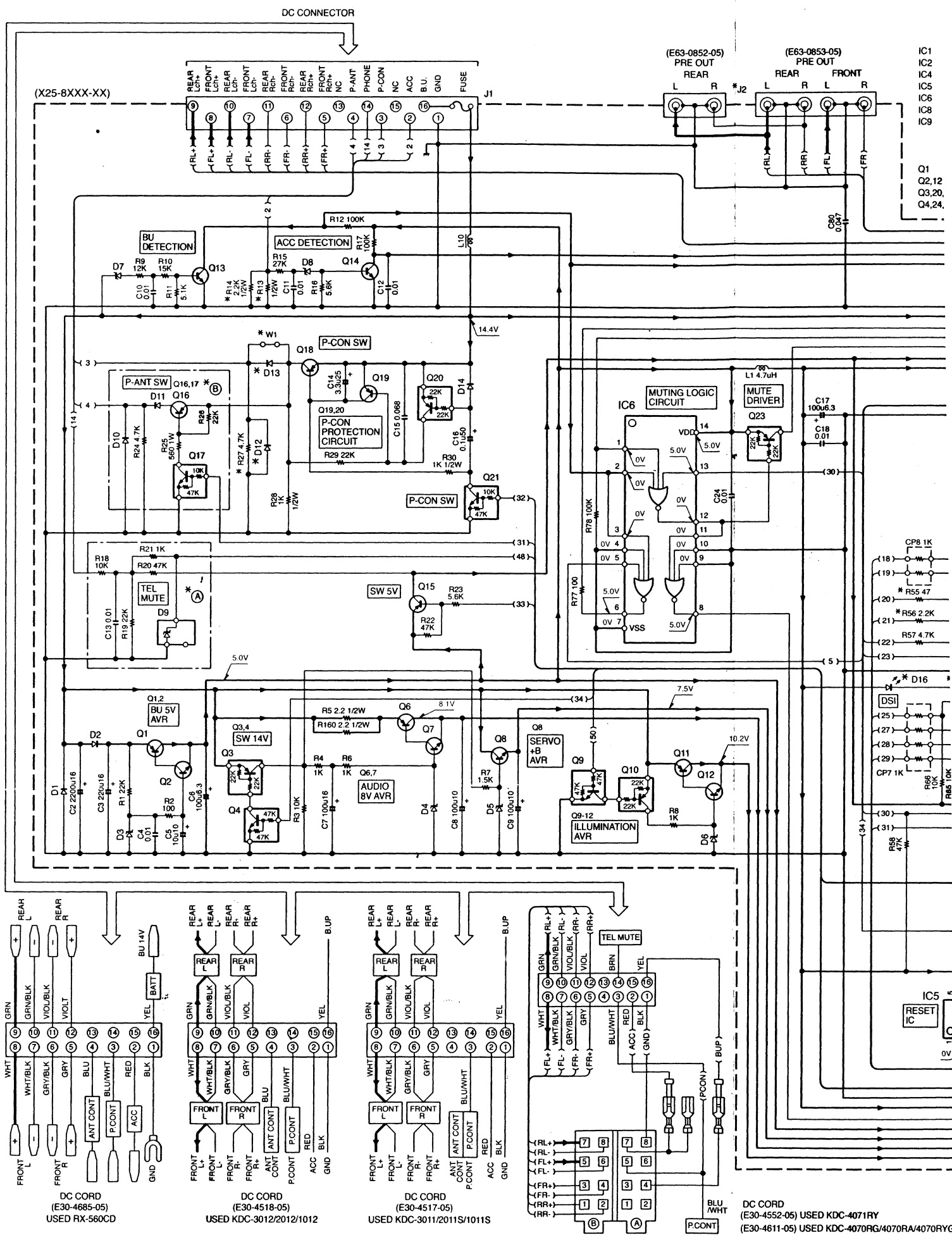
# KDC-3011/3012/4071RY

## MICROCOMPUTER'S DESCRIPTION

System u-COM.: UPD78018FGC549(X25-823x-xx: IC1)

### Terminal Description

Pin No.	Pin Name	I/O	Function	Description	Processing Operation
1	P31/T01	O	RES	Reset output to the LCD driver IC	Active: L
2	P32/T02	O	MCSS	Handshake request to the u-COM. of CD mecha.	Active: H
3	P33/T11	O	M RST	Reset output to the u-COM. of CD mecha.	Active: L
4	P34/T12	O	M STOP	Stop request to the u-COM. of CD mecha.	Active: L
5	P35/PCL	I/O	LO/EJ	CD media Loading/Eject switching output	Loading: L, Eject: H
6	P36/BUZ	O	BEEP	BEEP sound output	BEEP: 2.4kHz square wave
7	P37	O	MOSW	Start up the loading motor of CD mecha. when the CD loading/eject action connected to GND	Loading/Eject: H, other: L
8	VSS	-	-	-	-
9	P40/AD0	I	SW3	Down limit switch detection	ON: L
10	P41/AD1	I	PANEL	Panel open/close detection	Panel closed: L
11	P42/AD2	I	R DATA	Data input from the RDS IC	OK: H
12	P43/AD3	I	R QUAL	Reception condition input from the RDS IC	Station detected: H Not detected: L
13	P44/AD4	I	SD	FM/AM SD input from the tuner pack	-
14	P45/AD5	I	IFC	AM IF count input from the tuner pack	-
15	P46/AD6	I	BU DET	Momentary power down detection	Momentary power down: H
16	P47/AD7	I	ACC DET	ACC detection	ACC OFF: H
17	P50/A8	O	AM+8	AM+8 control	Active: H
18	P51/A9	O	FM+8	FM+8 control	Active: H
19	P52/A10	O	(not used)	-	-
20	P53/A11	O	(not used)	-	-
21	P54/A12	O	P MUTE	Power IC mute control	Active: L
22	P55/A13	O	SVR	Power IC reset	Power on: L
23	VSS	-	-	-	-
24	P56/A14	O	IC2 SCK	Clock output to the E-VOL IC	-
25	P57/A15	O	DSI	DSI output	-
26	P60	I/O	P.LL SDA	Data output to the P.LL IC	-
27	P61	O	P.LL SCL	Clock output to the P.LL IC	-
28	P62	I/O	IC2 SDA	Data output to the E-VOL IC	-
29	P63	O	MUTE	Audio mute control	Active: H
30	P64/RD	O	ANT CONT	Antenna control	Active: L
31	P65/WH	O	P CON	External Power control	Active: H
32	P66/WAIT	O	SW5	SW 5V control	Active: L
33	P67/STB	O	P ON	Internal Power control	Active: H
34	RESET	I	RESET	System Initialize	Active: L
35	P00/INT/P0/T10	I	REMO	Data input from the remote control light sensor	-
36	P01/INT/P1	I	R CLK	Request input from the RDS IC	-
37	P02/INT/P2	I	(not used)	-	-
38	P03/INT/P3	I	M SRO	connected to BUSV lines	-
39	Vdd	-	-	-	-
40	X2	I	X2	connected to the resonator for main clock	-
41	X1	I	X1	connected to the resonator for sub clock	-
42	X1	I	X1	connected to the resonator for main clock	-
43	IC(Vpp)	-	VSS	connected to GND	-
44	X12	I	X12	connected to the resonator for sub clock	-
45	P04/X11	I	X11	connected to the resonator for sub clock	-
46	AVSS	-	AVSS	connected to GND	-
47	P10/ANI0	I	SMT	S-meter input from the tuner pack	-
48	P11/ANI1	I	PHONE	Phone/Navt mute input	less than 1V, Phone more than 2V, Navt
49	P12/ANI2	I	NOISE	F.M noise detection	-
50	P13/ANI3	O	ILL ON	Illumination control	Active: H
51	P14/ANI4	I	SW2	12cm disc detection	Active: L
52	P15/ANI5	I	SW1	Loading detection	Active: L
53	P16/ANI6	O	M CLK	Clock output to the u-COM. of CD mecha.	-
54	P17/ANI7	O	M DATAM	Data input from the u-COM. of CD mecha.	-
55	AVdd	-	AVdd	connected to BUSV lines	-
56	AVdel	-	AVdel	connected to BUSV lines	-
57	P20/SI1	I	DATAL	Data input from the LCD driver IC	-
58	P21/SCI1	O	L DATAS/C2 TYPE0	Data output to the LCD driver IC/switch model 1	-
59	P22/SCI1	O	L CLK/TYPE1	Clock output to the LCD driver IC/switch model 2	-
60	P23/STB	O	M D1/MS	Data output to the u-COM. of CD mecha.	-
61	P24/BSUY	I	M MUTE	Muting request from the u-COM. of CD mecha.	Active: L
62	P25/SIO/SB0	O	(not used)	-	-
63	P26/SIO/SB1	O	(not used)	-	-
64	P27/SC/K0	O	(not used)	-	-

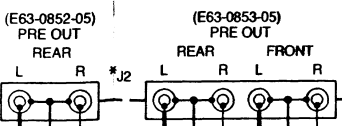


DC CORD  
(E30-4685-05)  
USED RX-560CD

DC CORD  
(E30-4518-05)  
USED KDC-3012/2012/1012

DC CORD  
(E30-4517-05)  
USED KDC-3011/2011S/1011S

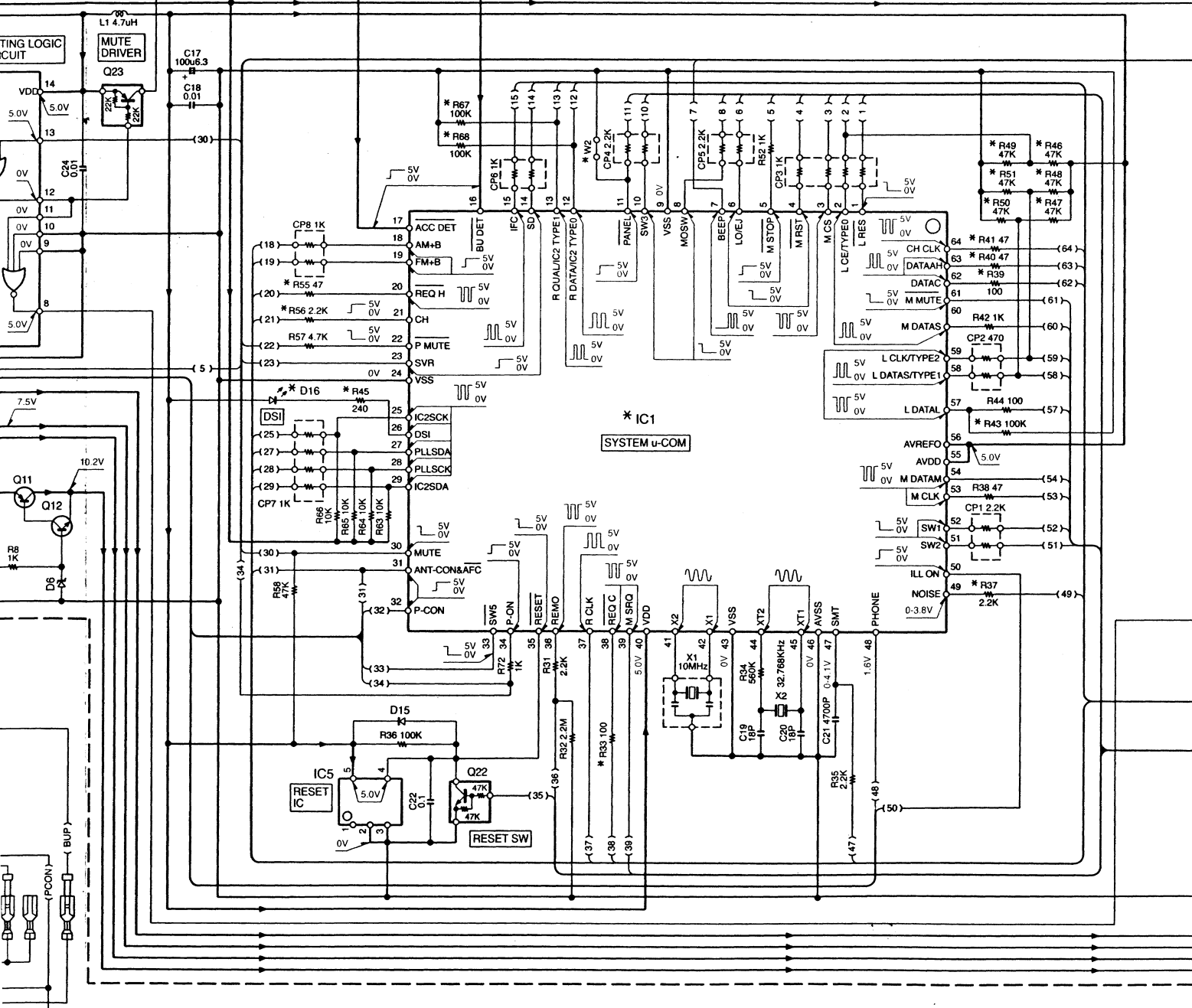
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(E30-4552-05) USED KDC-4071RY  
(E30-4611-05) USED KDC-4070RG/4070RA/4070RY/G



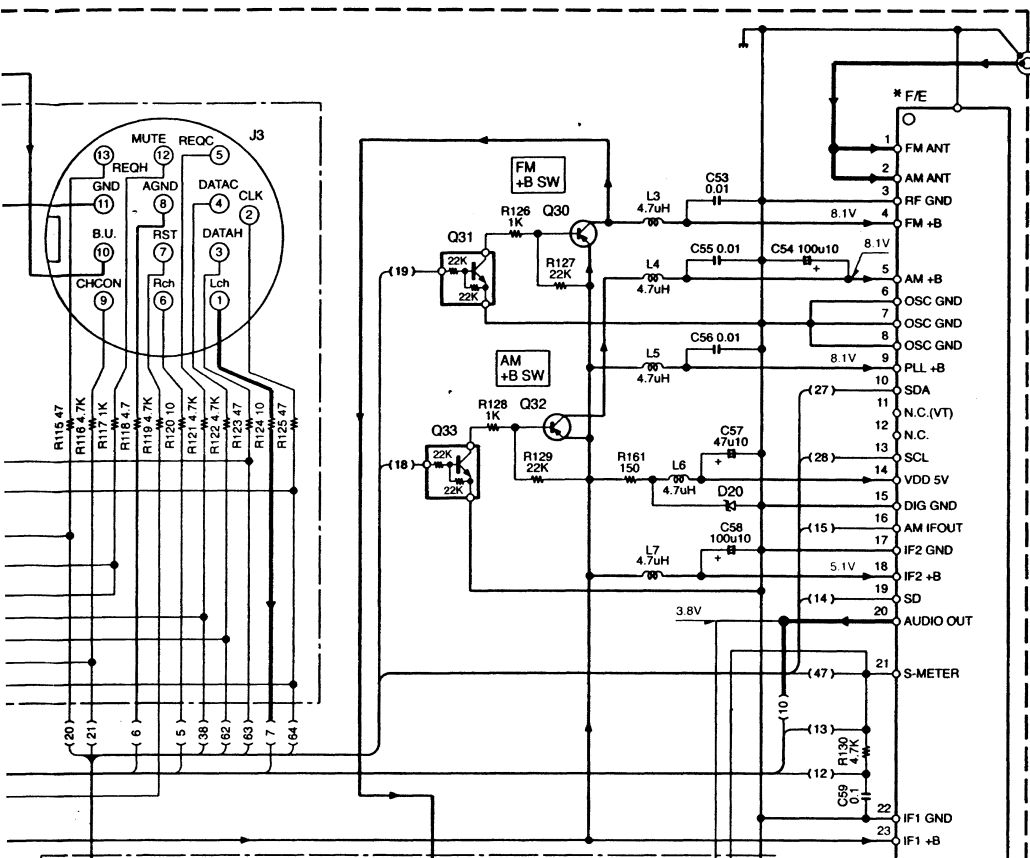
- IC1 : \*  
 IC2 : TDA7461ND  
 IC4 : TDA7384A  
 IC5 : PST9137NR  
 IC6 : HD74HC27FP  
 IC8 : NJM4565M-TE2  
 IC9 : TDA7479D
- Q1 : 2SB1565F(E,F)  
 Q2,12 : 2SC1740S  
 Q3,20,23,37 : DTA124EK or UN2112 or KRA103S  
 Q4,24,25 : DTC144EK or UN2213 or KRC104S

- O6,11 : 2SB1184  
 Q7,14,35 : 2SC2412K or 2SD601A  
 Q8 : 2SD2396F40  
 Q9,22 : DTC144EUA or UN5213  
 Q10 : DTA124EUA or UN5112  
 Q13,34 : 2SC4081 or 2SD1819A  
 Q15 : 2SA1036K  
 Q16,18,30,32 : 2SB1277(Q,R)  
 Q17,21 : DTC114YK or UN2214  
 Q19 : 2SA1037K  
 Q26-29 : DTC143TK or UN2216  
 Q31,33 : DTC124EK or UN2212  
 Q36 : DTC114TK or UN2215  
 Q38 : DTA114YK or UN2114

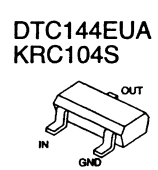
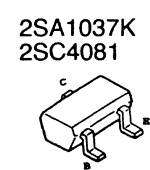
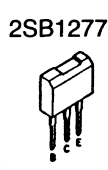
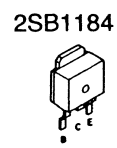
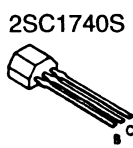
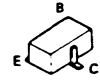
- D1 : S2V20 \* A  
 D2,10-13 : AMO1Z or ERA15-01  
 D3,7,8 : MA4056(N)-M  
 D4 : MA4091(N)-L  
 D5 : MA4082(N)-L  
 D6 : MA4110-L  
 D9 : HZM4.7N(B2) or MA3047-M  
 D14,15 : 1SS133  
 D16 : B30-1511-05  
 D18,19,28 : DAP202U or MA142WA  
 D20 : MA4051(N)-M  
 D21,23 : RD6.8MW  
 D22 : RD6.8M(B2)  
 D25,27 : MA3062WA



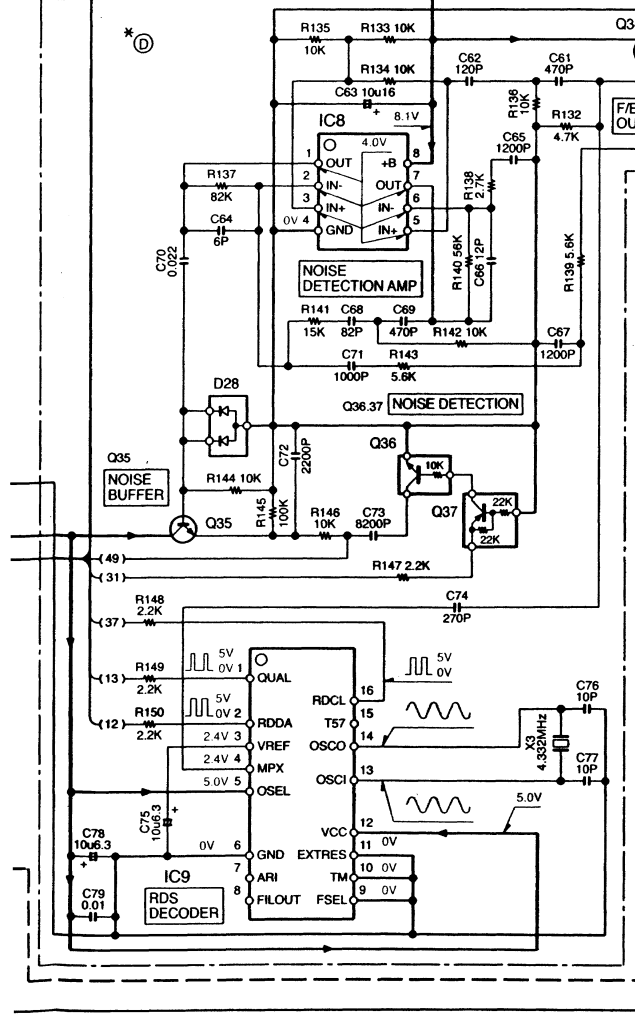
DC CORD  
 (E30-4552-05) USED KDC-4071RY  
 (E30-4611-05) USED KDC-4070RG/4070RA/4070RYG/4070RYA



- DTA114EK UN5213
- DTA114YK 2SA1036K
- DTA124EK 2SA1362
- DTC114TK 2SC2412K
- DTC114YK 2SD1819A
- DTC124EK
- DTC143TK
- DTC144EK



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). 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.



— SIGNAL LINE  
 — GND LINE  
 — +B LINE

(X25-8XXX-XX)

MODEL NAME	UNIT No.	(A)	(B)	(C)	(D)	(E)	IC1	D12, 13	D16	D21, 22	F/E	C39, 40, 41	
KDC-3011	0-10	NO	NO	YES	NO	YES	UPD78018FGC558	YES	YES	YES	X86-3090-11	YES	
KDC-3012	0-21	NO	YES	YES	NO	YES	UPD78018FGC558	NO	YES	YES	X86-3090-11	YES	
KDC-2011S	0-11	NO	NO	NO	NO	NO	UPD78018FGC558	YES	YES	NO	X86-3090-11	NO	
KDC-2012	0-22	NO	YES	NO	NO	NO	UPD78018FGC558	NO	YES	NO	X86-3090-11	NO	
KDC-4071RY	2-71	YES	NO	NO	YES	NO	UPD78018FGC549	YES	YES	NO	X86-3092-70	NO	
KDC-1011S	0-12	NO	NO	NO	NO	NO	UPD78018FGC558	YES	NO	NO	X86-3090-11	NO	
KDC-1012	0-23	NO	YES	NO	NO	NO	UPD78018FGC558	NO	NO	NO	X86-3090-11	NO	
RX-560CD	0-01	NO	YES	NO	NO	YES	UPD78018FGC558	NO	NO	YES	X86-3090-01	YES	
KDC-4070RG/RA/RYG/RYA	X25-831	2-70	YES	NO	NO	YES	NO	UPD78018FGC549	YES	YES	NO	X86-3142-70	NO

UNIT No.	J2	J4	Q38	R13	R14	R27	R33,39-41, 55,56, 157,158	R37	R48	R43,45, 51,159	R46	R47	R49	R50	R67, 68	W1	W2,3	W11
X25-823	0-10	E63-0853	E58-0879	YES	3.3k	NO	YES	YES	NO	NO	YES	NO	YES	YES	YES	NO	NO	YES
	0-21	E63-0853	E58-0879	YES	3.3k	NO	NO	YES	NO	NO	YES	NO	YES	YES	YES	NO	NO	YES
	0-11	E63-0852	E58-0879	YES	3.3k	NO	YES	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO
	0-22	E63-0852	E58-0879	YES	3.3k	NO	NO	NO	NO	NO	YES	YES	NO	NO	YES	YES	NO	NO
	2-71	E63-0852	E58-0879	YES	3.3k	NO	YES	NO	YES	NO	YES	YES	NO	NO	YES	YES	NO	NO
	0-12	E63-0852	E58-0880	NO	3.3k	NO	YES	NO	NO	NO	YES	NO	NO	NO	YES	YES	NO	YES
X25-831	0-23	E63-0852	E58-0880	NO	3.3k	NO	NO	NO	YES	NO	YES	YES	NO	NO	YES	YES	YES	NO
	0-01	E63-0852	E58-0880	NO	1.3k	YES	NO	YES	NO	YES	NO	NO	NO	YES	YES	YES	YES	YES

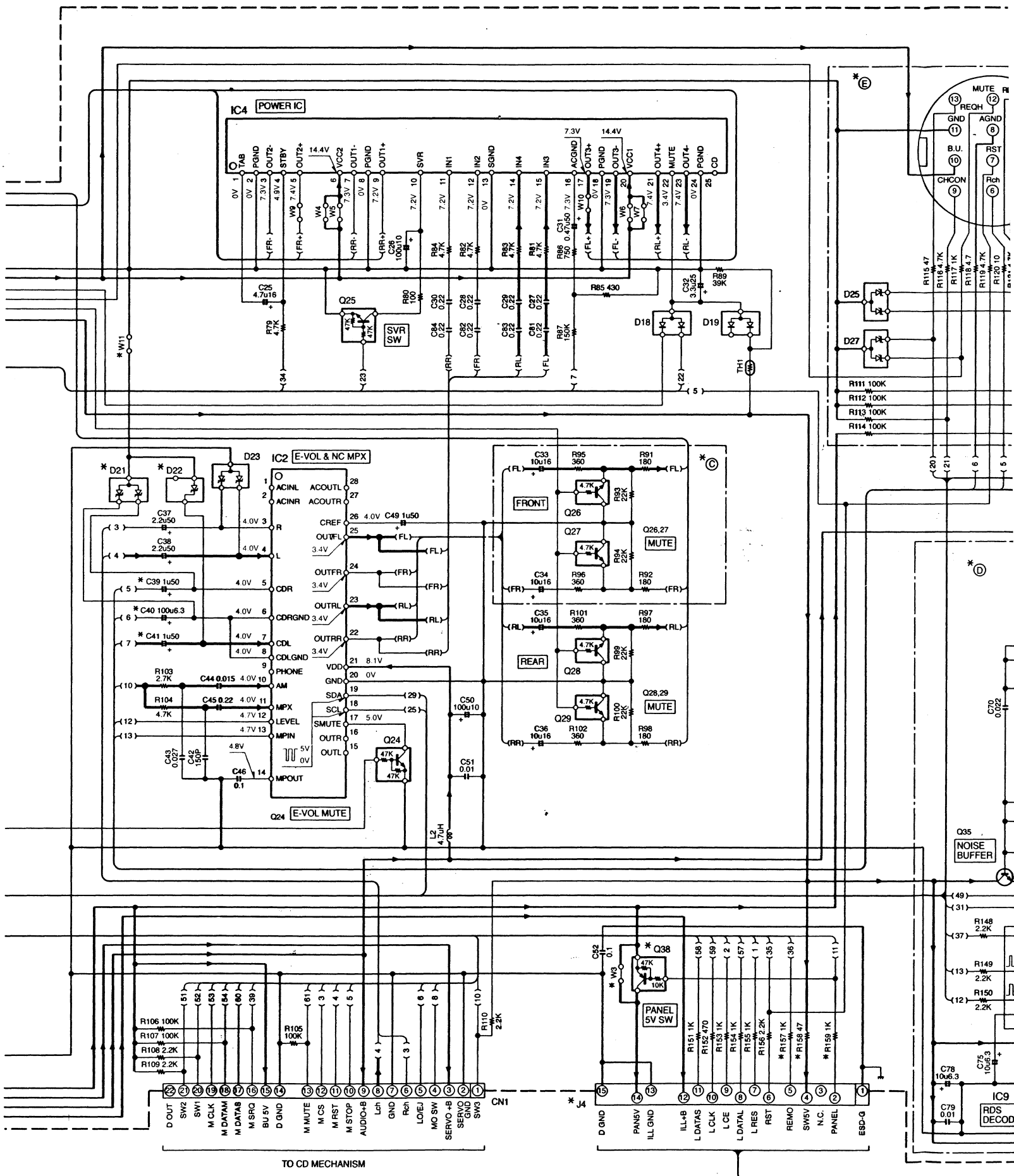
KDC-3011,3012,4071RY,2011S,2012,1011S,1012 (1/2)  
 RX-560CD (1/2)  
 KDC-4070RG/RA/RYG/RYA (1/2)

X13-J1  
 2 →

# KDC-3011/3012/4071RY

## KENWOOD

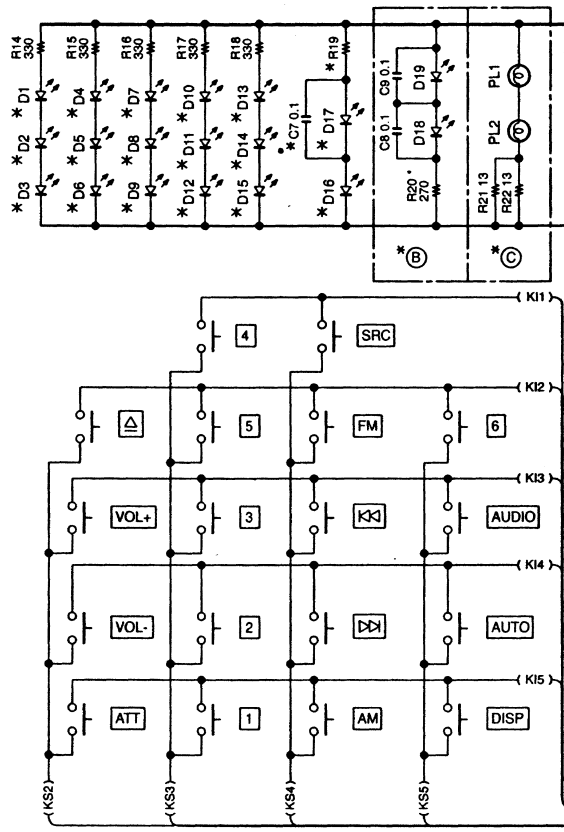




TO CD MECHANISM

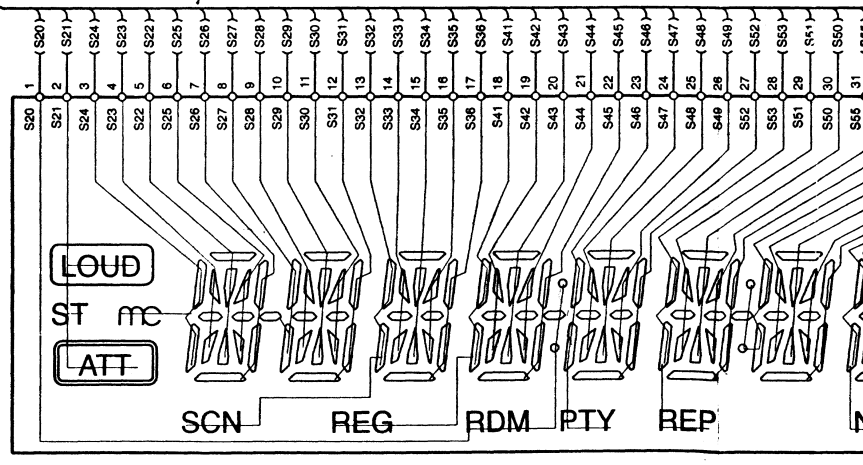
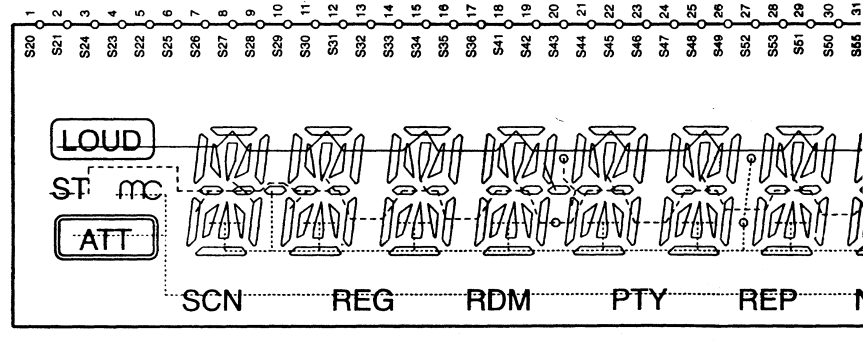
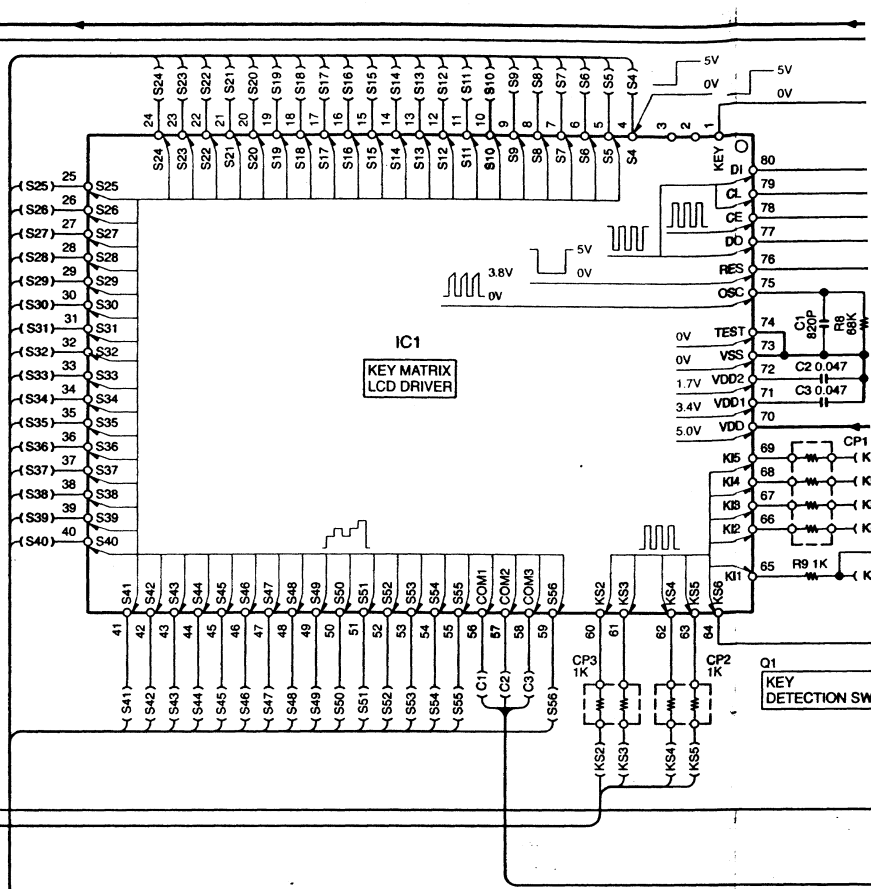
RDS DECODE

SWITCH UNIT (X13-9XXX-XX)



KEY MATRIX

	KS2	KS3	KS4	KS5	KS6
KI1	4	SRC			KEY DET.
KI2	5	FM	6		
KI3	3	AUDIO			
KI4	2	AUTO			
KI5	1	DISP			

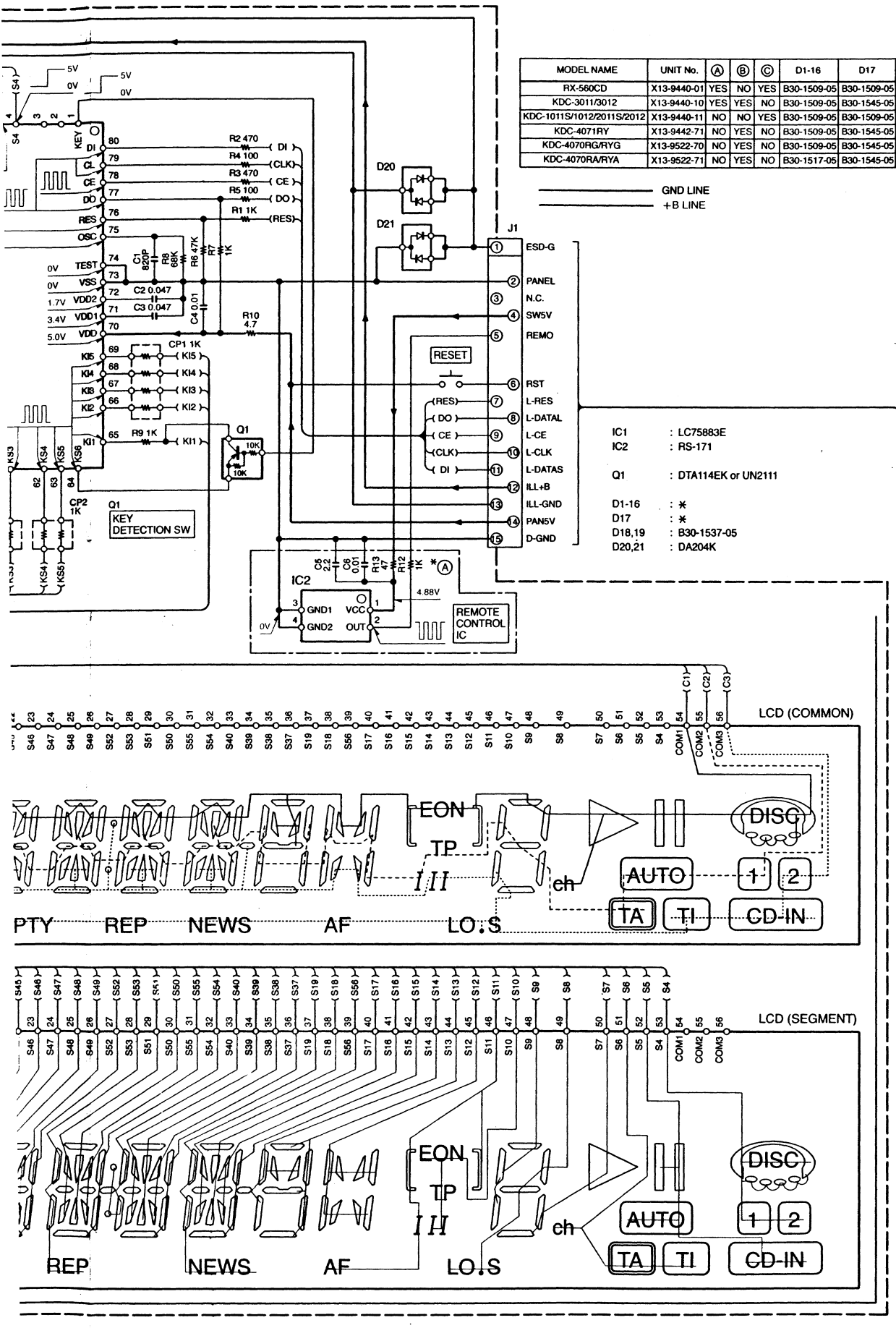


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, 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.

X25-J4

1/2

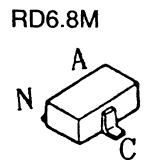
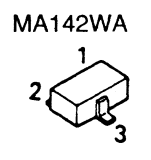
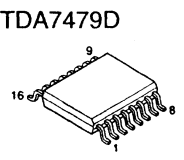
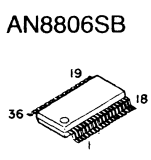
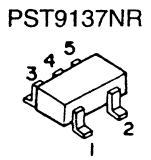
A



MODEL NAME	UNIT No.	A	B	C	D1-16	D17	C7	R19
RX-560CD	X13-9440-01	YES	NO	YES	B30-1509-05	B30-1509-05	NO	470
KDC-3011/3012	X13-9440-10	YES	YES	NO	B30-1509-05	B30-1545-05	YES	390
KDC-1011S/1012/2011S/2012	X13-9440-11	NO	NO	YES	B30-1509-05	B30-1509-05	NO	470
KDC-4071RY	X13-9442-71	NO	YES	NO	B30-1509-05	B30-1545-05	YES	390
KDC-4070RG/RYG	X13-9522-70	NO	YES	NO	B30-1509-05	B30-1545-05	YES	390
KDC-4070RA/RYA	X13-9522-71	NO	YES	NO	B30-1517-05	B30-1545-05	YES	390

— GND LINE  
— +B LINE

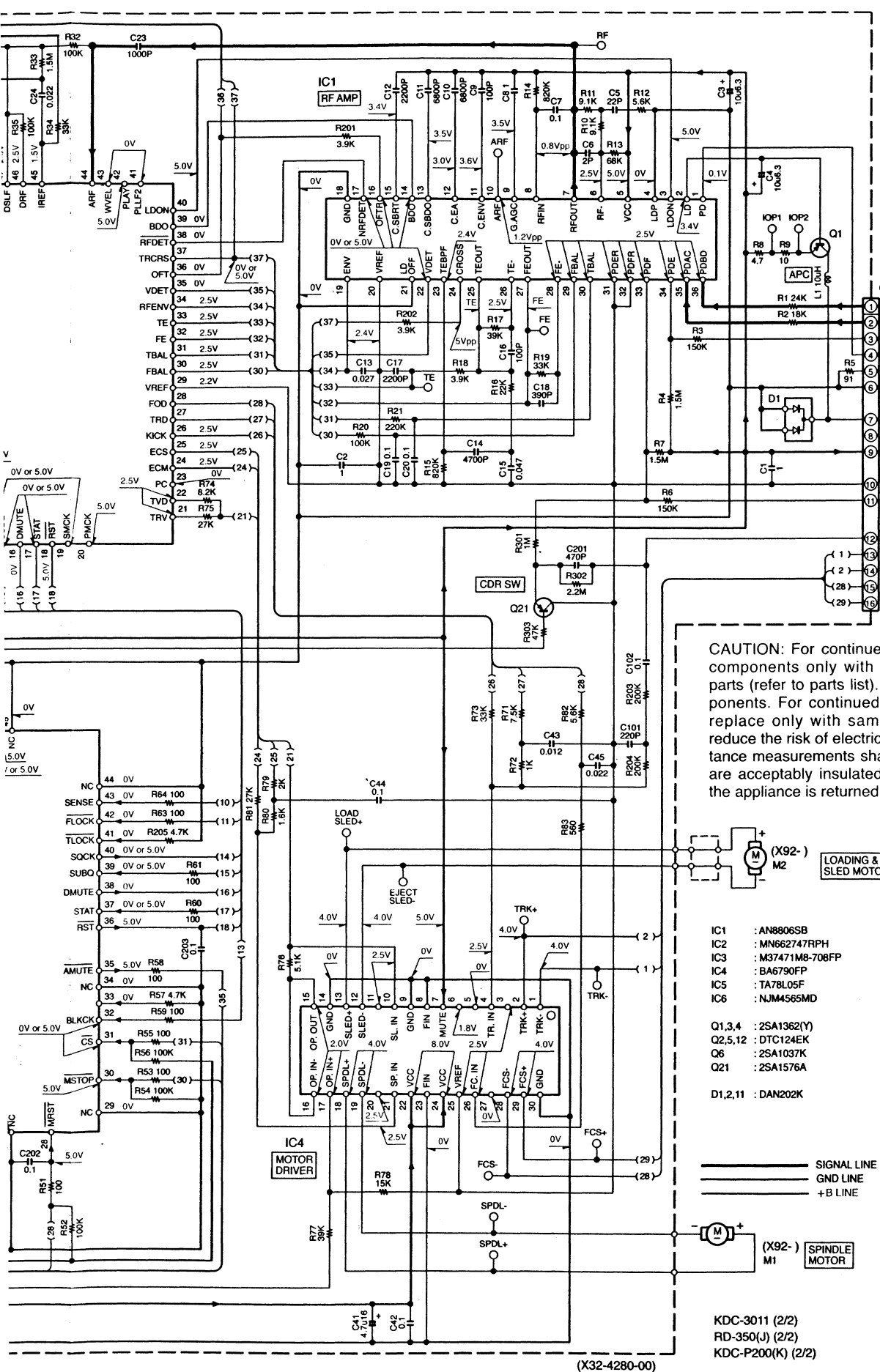
- IC1 : LC75883E
- IC2 : RS-171
- Q1 : DTA114EK or UN2111
- D1-16 : \*
- D17 : \*
- D18,19 : B30-1537-05
- D20,21 : DA204K



KDC-3011/3012/4071RY, KDC-2011S/2012, KDC-1011S/1012, RX-560CD, KDC-4070RG/RA/RYG/RYA (2/2)

# KDC-3011/3012/4071RY

## KENWOOD

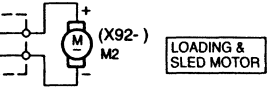


(X92-) PU1 (T25-0209-05)

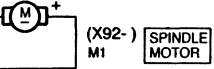
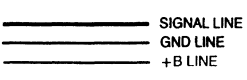
OPTICAL PICKUP

- 1 PD1(B+D)
- 2 PD2(A+C)
- 3 E
- 4 VR
- 5 PD
- 6 LD
- 7 NC
- 8 VCC
- 9 VC
- 10 F
- 11 AL
- 12 TRK-
- 13 TRK+
- 14 FCS-
- 15 FCS+
- 16

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- IC1 : AN8806SB
- IC2 : MN662747RPH
- IC3 : M37471M8-708FP
- IC4 : BA6790FP
- IC5 : TA78L05F
- IC6 : NJM4565MD
- Q1,3,4 : 2SA1362(Y)
- Q2,5,12 : DTC124EK
- Q6 : 2SA1037K
- Q21 : 2SA1576A
- D1,2,11 : DAN202K



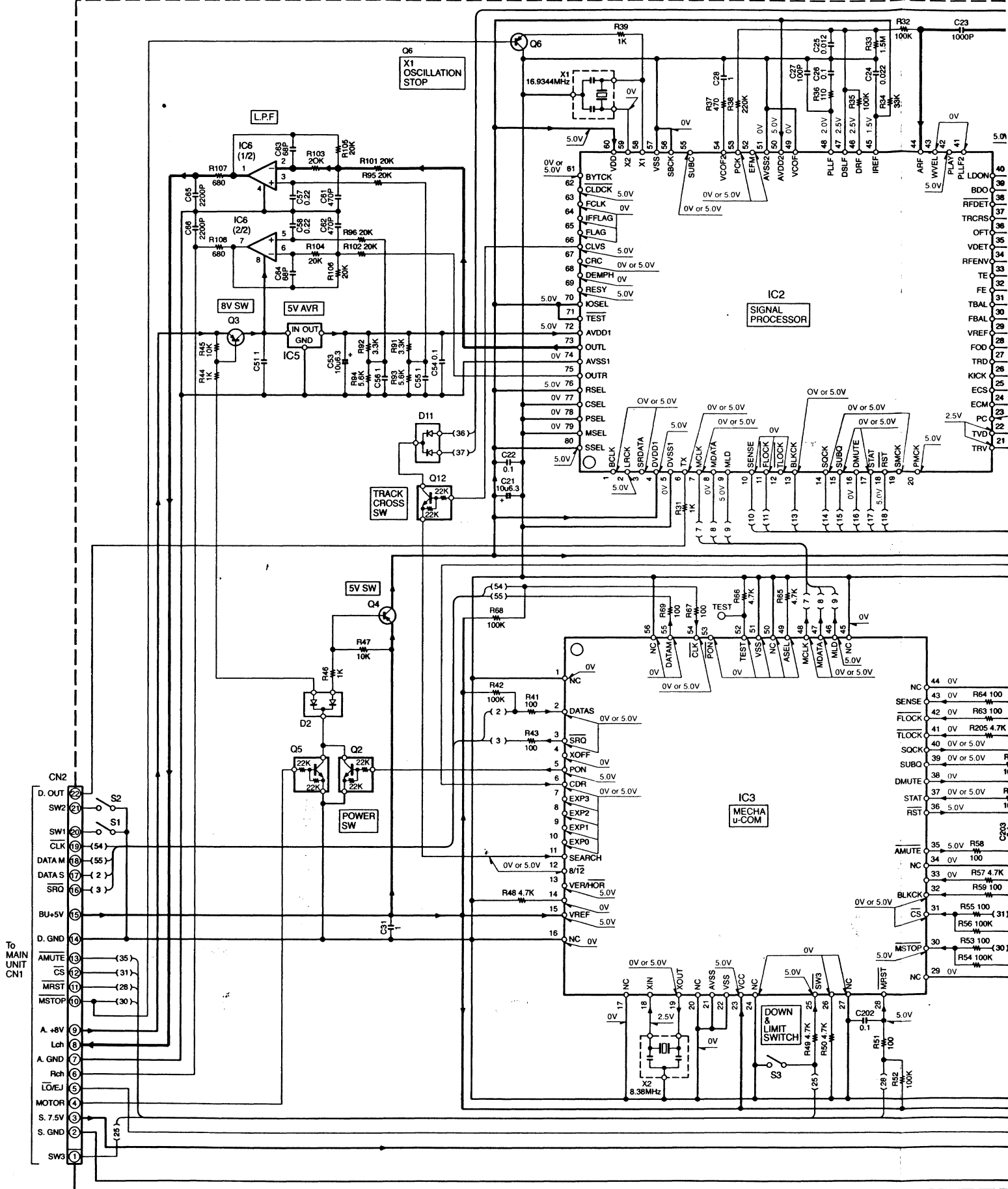
- KDC-3011 (2/2)
- RD-350(J) (2/2)
- KDC-P200(K) (2/2)

(X32-4280-00)

# KDC-3011/3012/4071RY

## KENWOOD

CD PLAYER UNIT (X32-4280-00)



2

3

4

5

6

7