

CD AUTO CHANGER

KDC-C811/CPS81

KENWOOD

SERVICE MANUAL

© 1998-1 PRINTED IN JAPAN
B51-7281-00(S) 3296

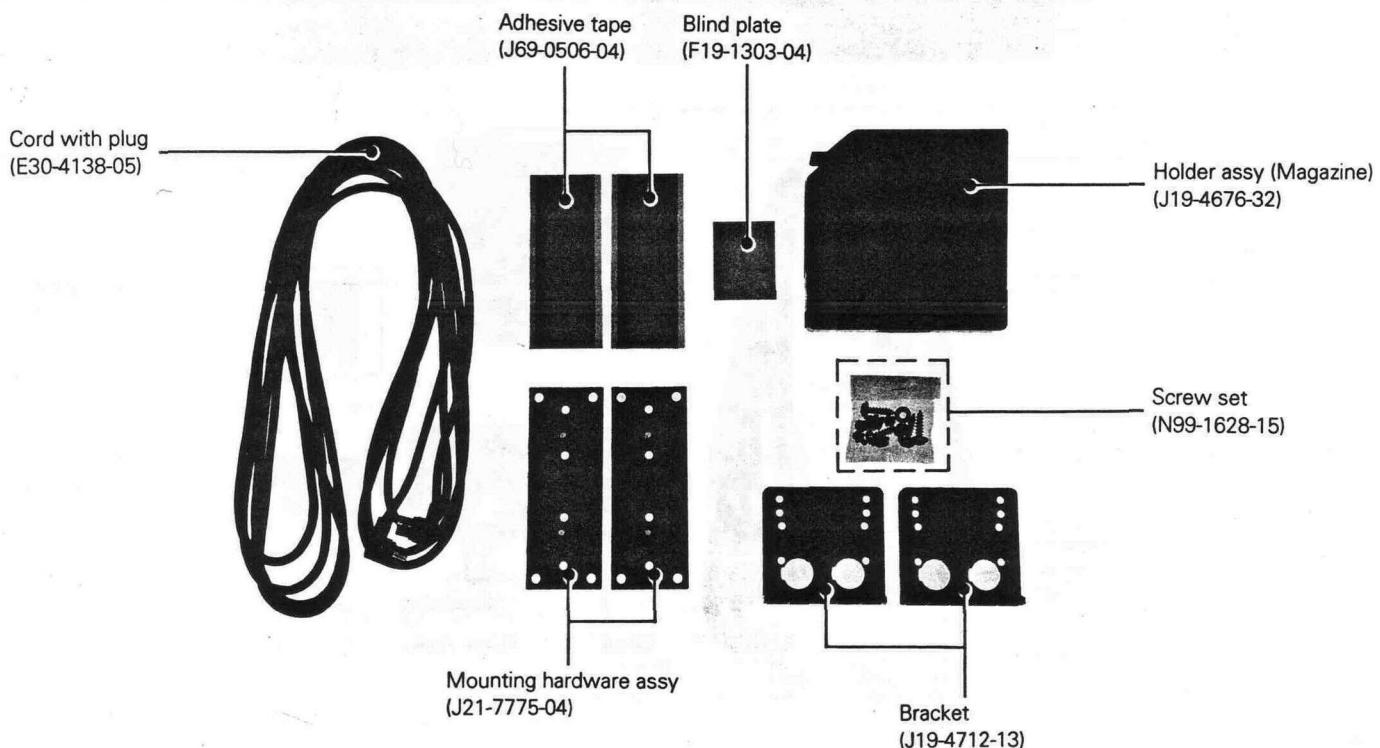
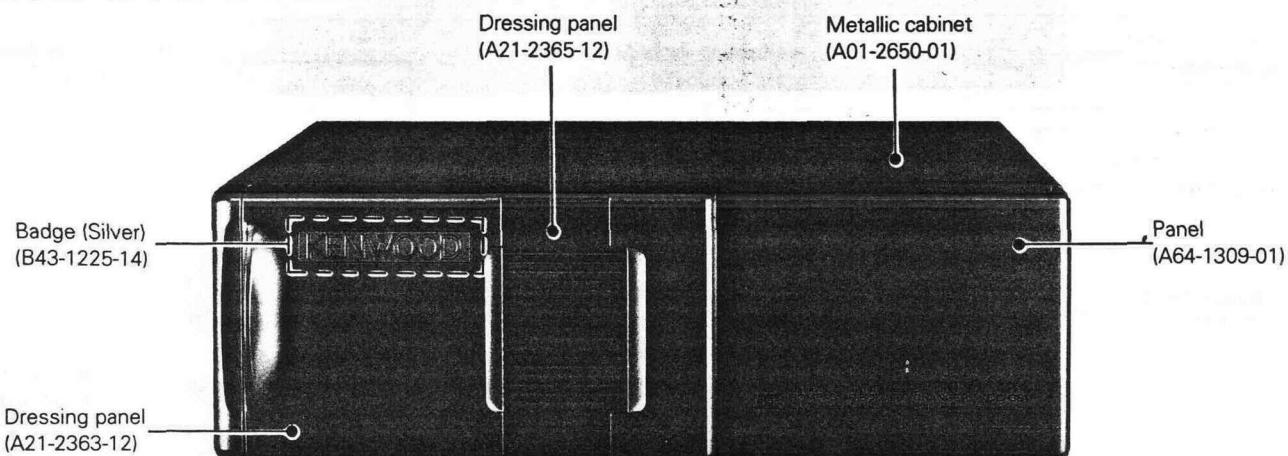
When transporting these models, always attach CAUTION CARD and STEPPED SCREW (for transportation).

CAUTION CARD B58-1275-04

STEPPED SCREW N09-4186-25

Service jig	Parts No.
For initial position setting	W05-0635-00

Photo is KDC-C811

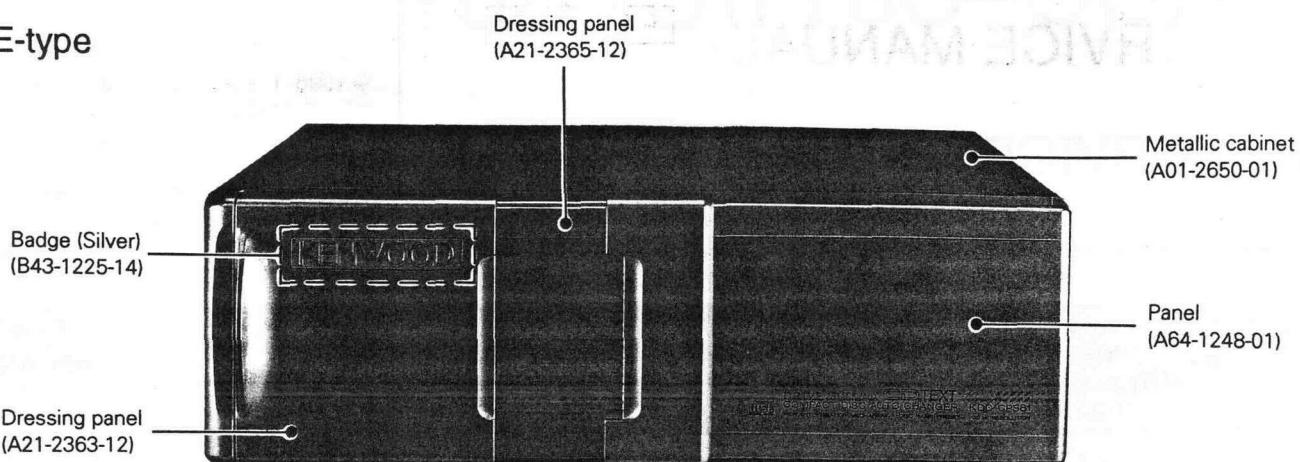


The MECHANISM OPERATION DESCRIPTION is the same as model KDC-C810.
Please refer to the service manual of model KDC-C810 (B51-7103-00).

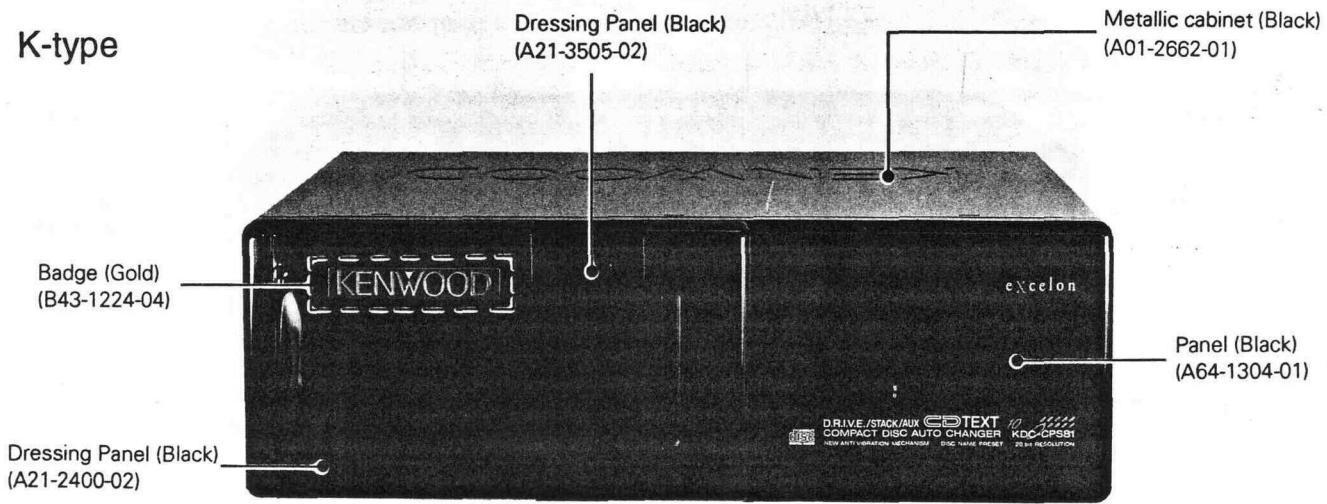
KDC-C811/CPS81

Photo is KDC-CPS81

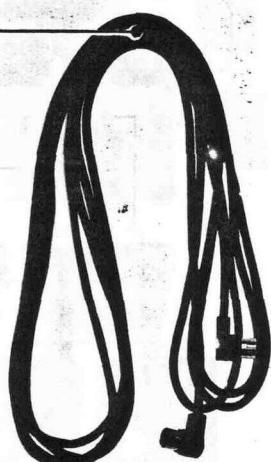
E-type



K-type



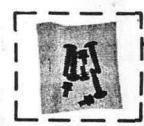
Cord with plug (E30-4138-05)



Holder assy (Magazine) (J19-4676-32)



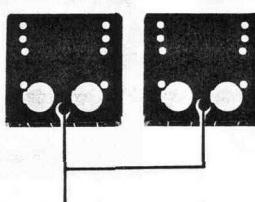
Screw set (N99-1645-15)



Blind plate (F19-1303-04)

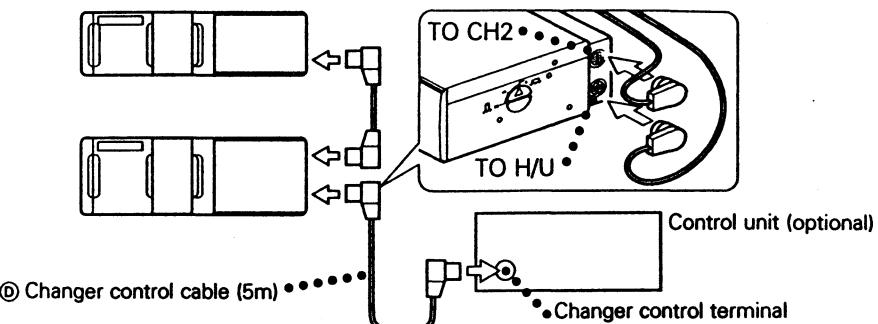


Bracket (J19-4712-13)



KDC-C811/CPS81

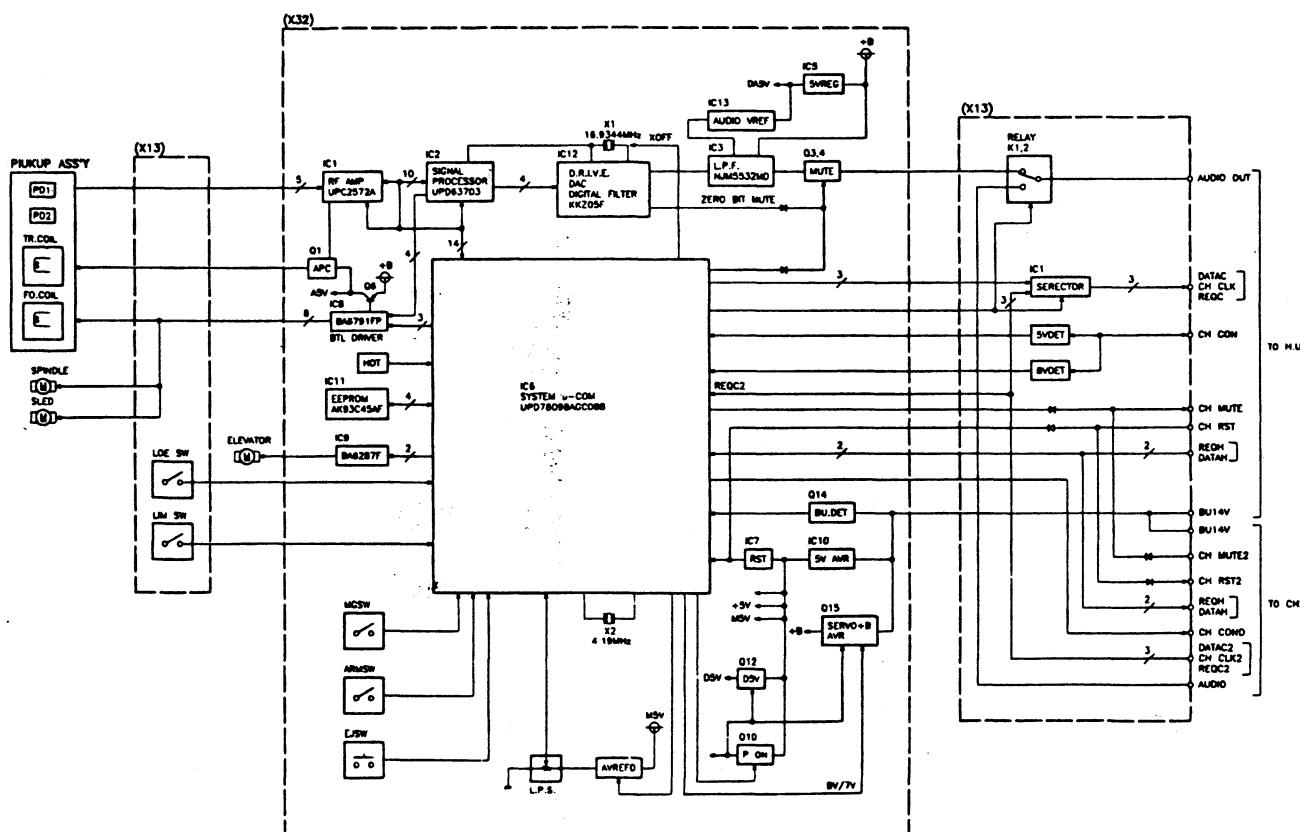
CONNECTIONS



CAUTION

- Do not connect the changer control cable while the control unit is turned ON.
- Be sure to press the reset button after installation.
- The model connected to the TO CH2 jacks may not be recognized immediately after the connection. In this case, switch the source mode to TUNER or other source then return to the changer mode again. This makes operation possible by dividing the changer more to 1 and 2.
- Leave the TO CH2 terminal capped while it is not used.
- If the control unit in use does not have the changer switching function, do not connect anything to the TO CH2 terminal.
- Do not install an antenna of radio equipment or distribute the antenna cable near the changer output cable, for this could cause malfunction with this unit.

BLOCK DIAGRAM



● TEST MODE

1. How to enter

While holding the magazine EJECT switch, reset the unit and keep on holding the EJECT switch for more second to enter the E-88

(NOTE) In the E-88 mode, the initial position detection operation at the time of reset start is not performed.

2. Manual operation functions

The E-88 display appears when the H/U is set to the changer mode. In this condition, the changer mechanism can be operated manually using the Track search UP/DOWN and Disc search UP/DOWN keys.

Track search UP key :

Operates the Spindle/Loading motor in the direction for pulling the disc tray into the mechanism deck

Track search DOWN key :

Operates the Spindle/Loading motor in the direction for returning the disc tray into the magazine

Disc search UP key :

Operates the ELV motor in the direction for moving the mechanism deck upward

Disc search DOWN key :

Operates the ELV motor in the direction for moving the mechanism deck downward

3. Position adjustment function

This function writes the mechanism position adjustment values in the EEPROM in the E-88 mode

[Adjustment procedure]

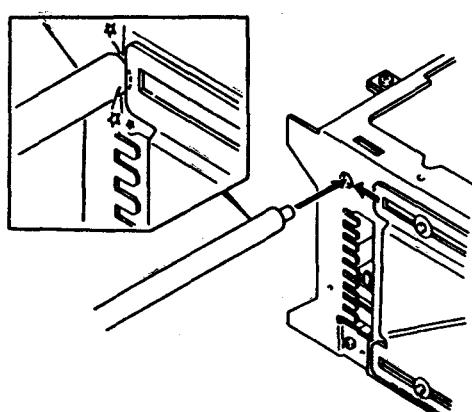
- With the mechanism in the magazine ejection condition, move the mechanism manually up and down to set the mechanism to the reference position
- Pressing the REP key of the H/U starts the judgment of the mechanism position, and the distinction whether the changer is a 6-disc or 10-disc changer.

If the mechanism position is extremely deviated from the reference position, the processing is aborted immediately

- The offset from the reference position is calculated and the 10 data and offset values are written in the EEPROM
 - Data is read from the EEPROM to judge whether it has been written normally.
- When it is judged that the write operation has completed normally, the mechanism deck moves to the magazine ejection standby position.
- When it is judged that the write operation was abnormal, the mechanism performs no operation.

(NOTE) Mechanism reference position

10 disc mechanism : 6th stage



ADJUSTMENT TOOL : W05-0635-00

● POSITION ADJUSTMENT

1. LPS Initial position adjustment procedure

Connect the changer to the H/U. While holding the magazine [EJECT] key of the changer, press the [RESET] key of the H/U and, in about 1 second, release the magazine [EJECT] key. Press the [CD] key of the H/U to enter the E-88 mode. Move the mechanism deck to around the 1st stage by pressing the [DISC-] or [DISC+] key. Insert the adjustment tool into the tool hole on the changer mechanism. Then press the [DISC+] key to move the mechanism deck until the mechanism's slider hits the adjustment tool. When the motor locks (stops) press the [REPEAT] key of the H/U.

When the [REPEAT] key is pressed, the mechanism moves automatically to the 1st stage and the initial position adjustment completes. (The data is written in the EEPROM at this time)

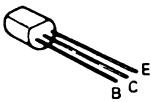
A

B

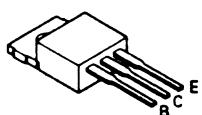
C

D

E



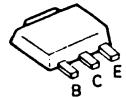
AK93C45AF
 BA6219BFP-Y
 BA6791FP
 DAP202K
 KKZ05F
 LC3564BT-70
 MA3056-M
 MA3056WA
 MA3062-L
 MA3062-M
 MA3075-M
 MA3091-L
 MA3100-M
 NTH5G40B333K0
 TC74HC4072AF
 UPC2572A
 UPD63702A
 UPD78058GCA66T
 UPD784214GC01
 1SR154-400



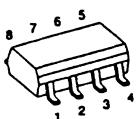
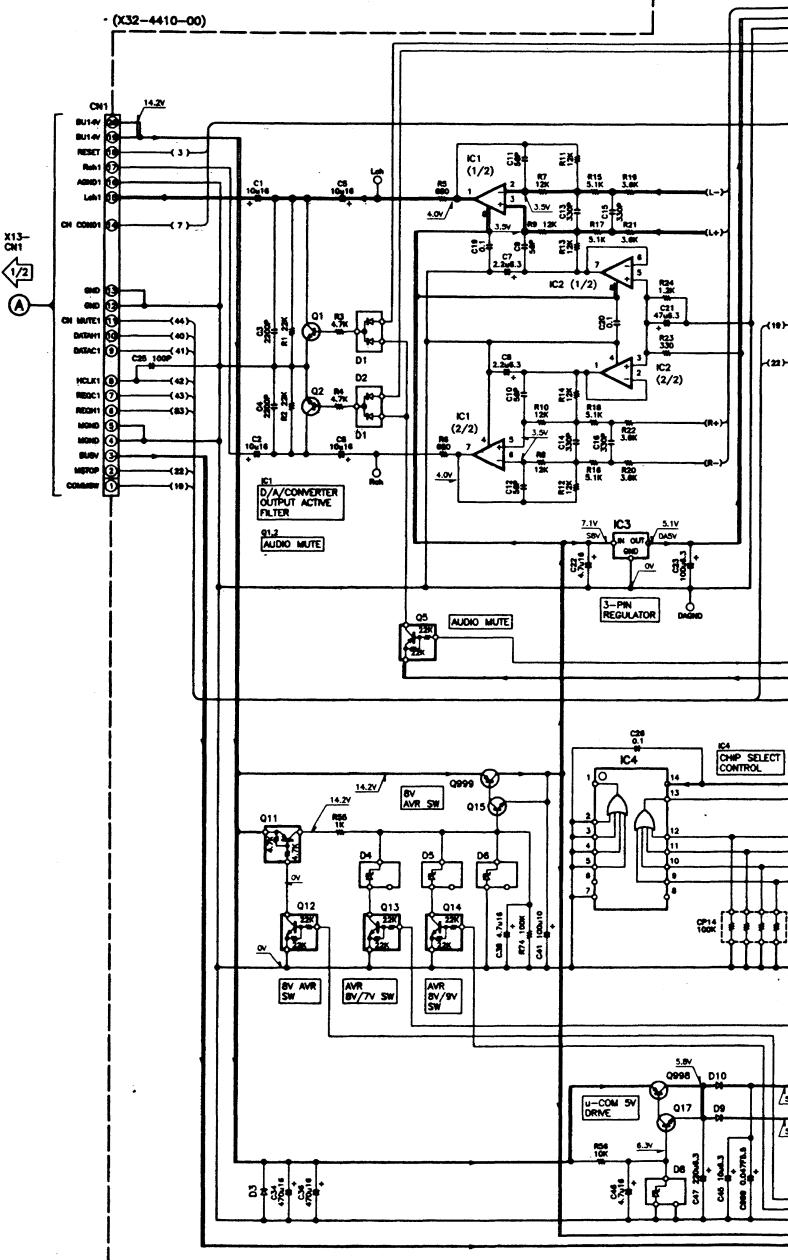
2SB1565



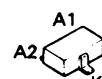
DTA114EK
 DTA124EK
 DTA143EK
 DTB123YK
 DTC124EK
 2SA1362
 2SC2412K
 2SD2114K



2SB1188



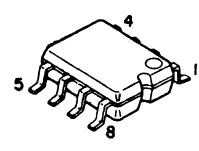
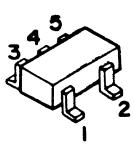
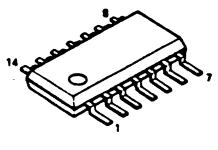
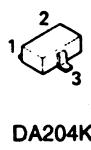
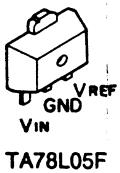
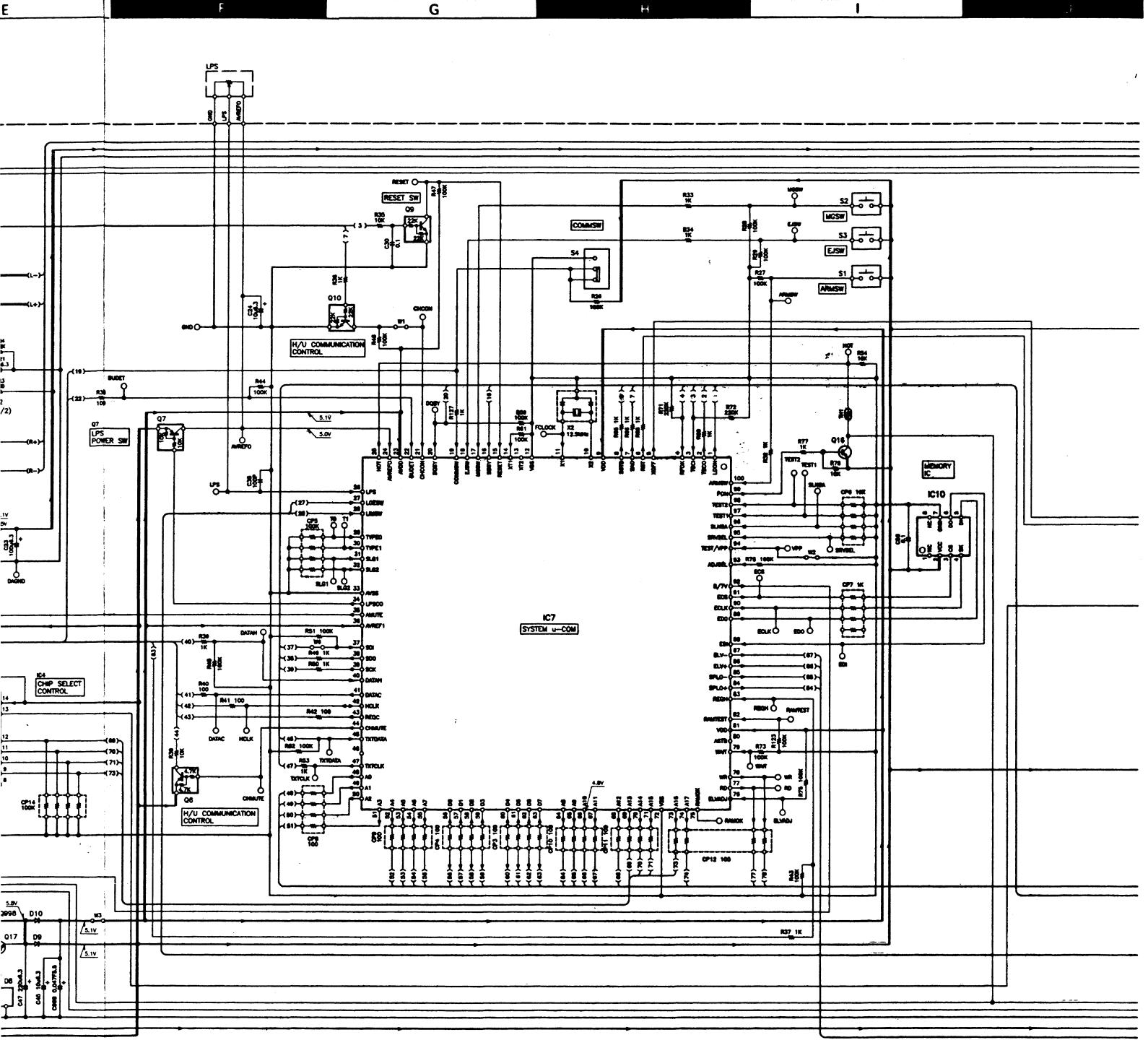
NJM4565MD
MMJ5532MD

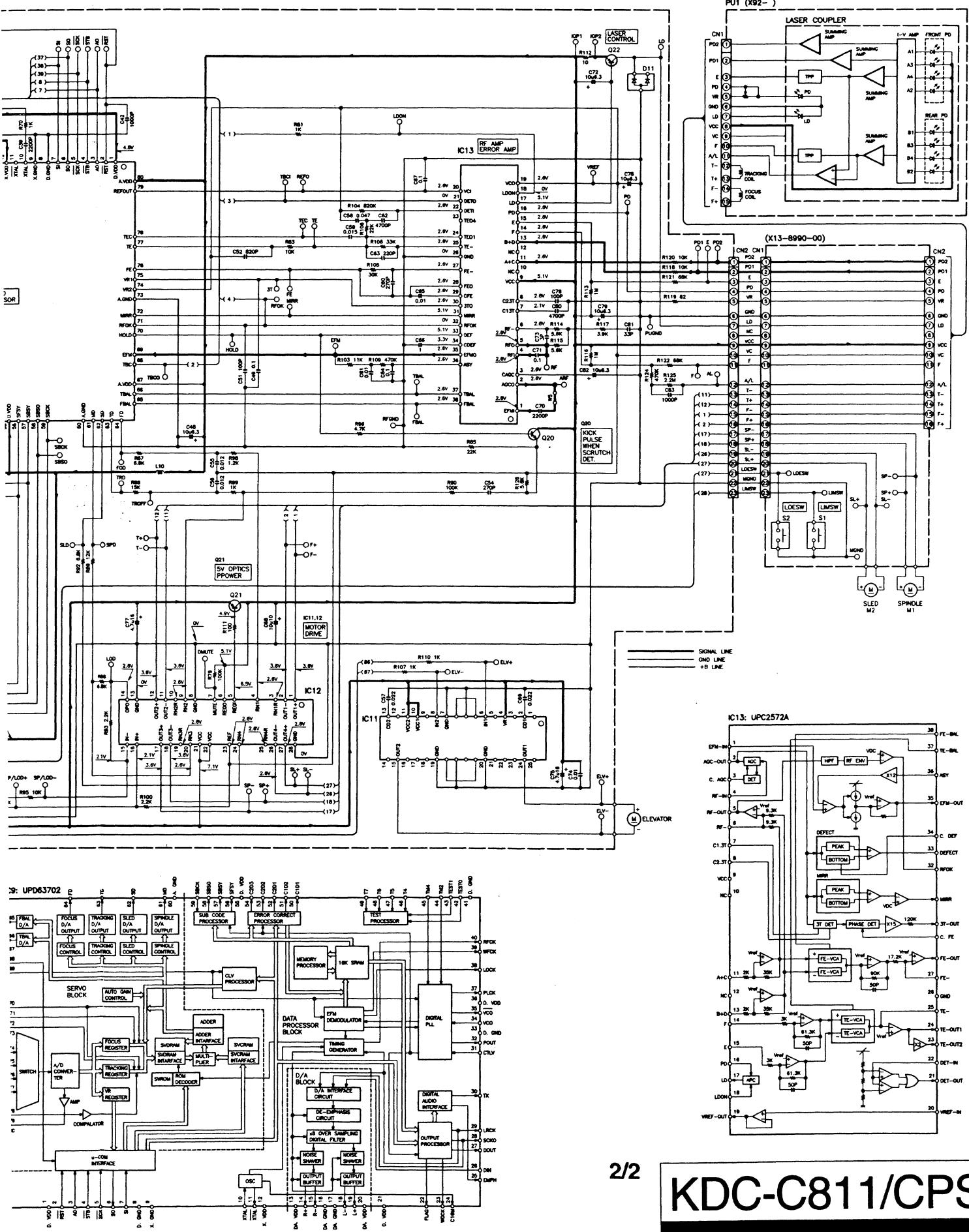


DAN202K



TA78L05F

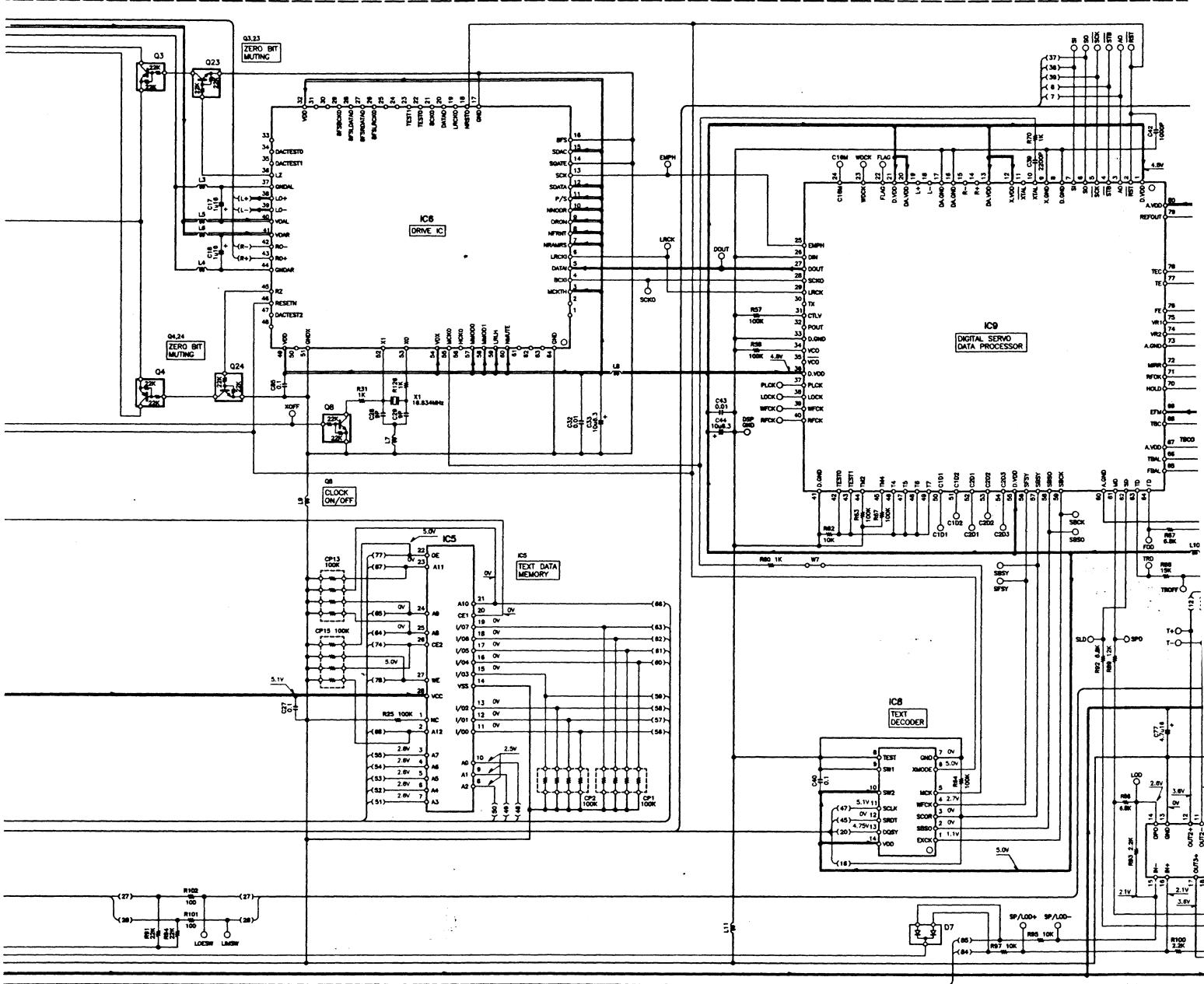




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KDC-C811/CPS81

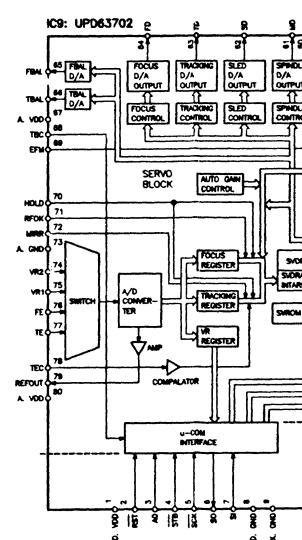
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IC1	: NJU4552MD	01,2	: 2SD2114K
K2	: NJU4552MD	03-5	: DTA1245K
IC3	: TA78L05F	06,11	: DTA143EX
IC4	: TC74HC4072AF	07	: DTA144EX
IC5	: LC3564BT-70	08-10,12-14,23,24	: DTC124EX
IC6	: KXZ05F	015,17,20	: 2SC2412K
IC7	: UPD784214GCO11	016,22	: ZSA1362(Y)
IC8	: LC9170A	021	: ZSB118B
IC9	: UPD63702A	098,999	: ZSB1585(B,F)
IC10	: AK33C454 or		
	D1,2,7		
IC11	: BA42109FP-Y	D3,9,10	: DAE202K
IC12	: BA47911P	D4	: 1SR154-400
IC13	: UPC2572A	D5	: MA3075-M
	D6		: MA3091-L
	D8		: MA3100-M
	D11		: MA3062-M

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

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



U

V

W

X

Y

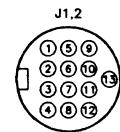
Z

(X13-9200-00)

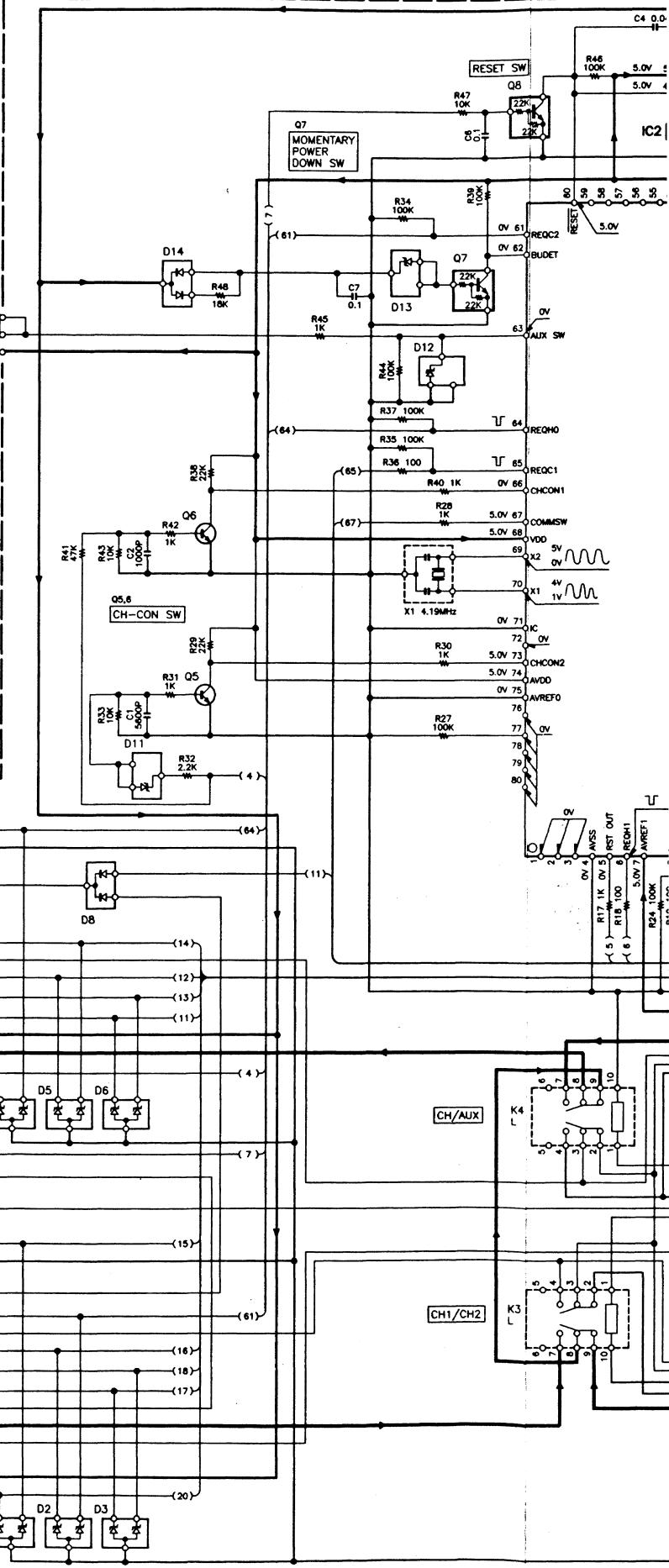
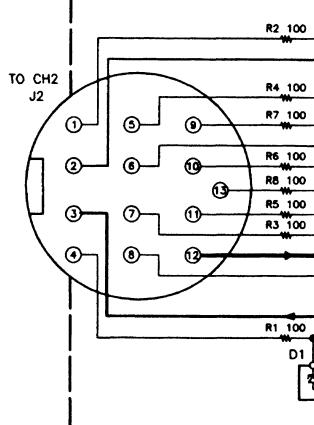
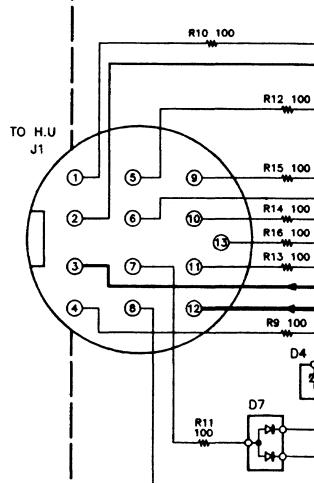
IC1 : UPD78058GCA66T
 IC2 : PST9137NR
 Q1,2,7,8 : DTC124EK
 Q3,4 : DTB123YK
 Q5,6 : 2SC2412K
 D1-6 : MA3056WA
 D7 : DAP202K
 D8-10 : DAN202K
 D11 : MA3062-L
 D12,13 : DA3056-M
 D14 : DA204K

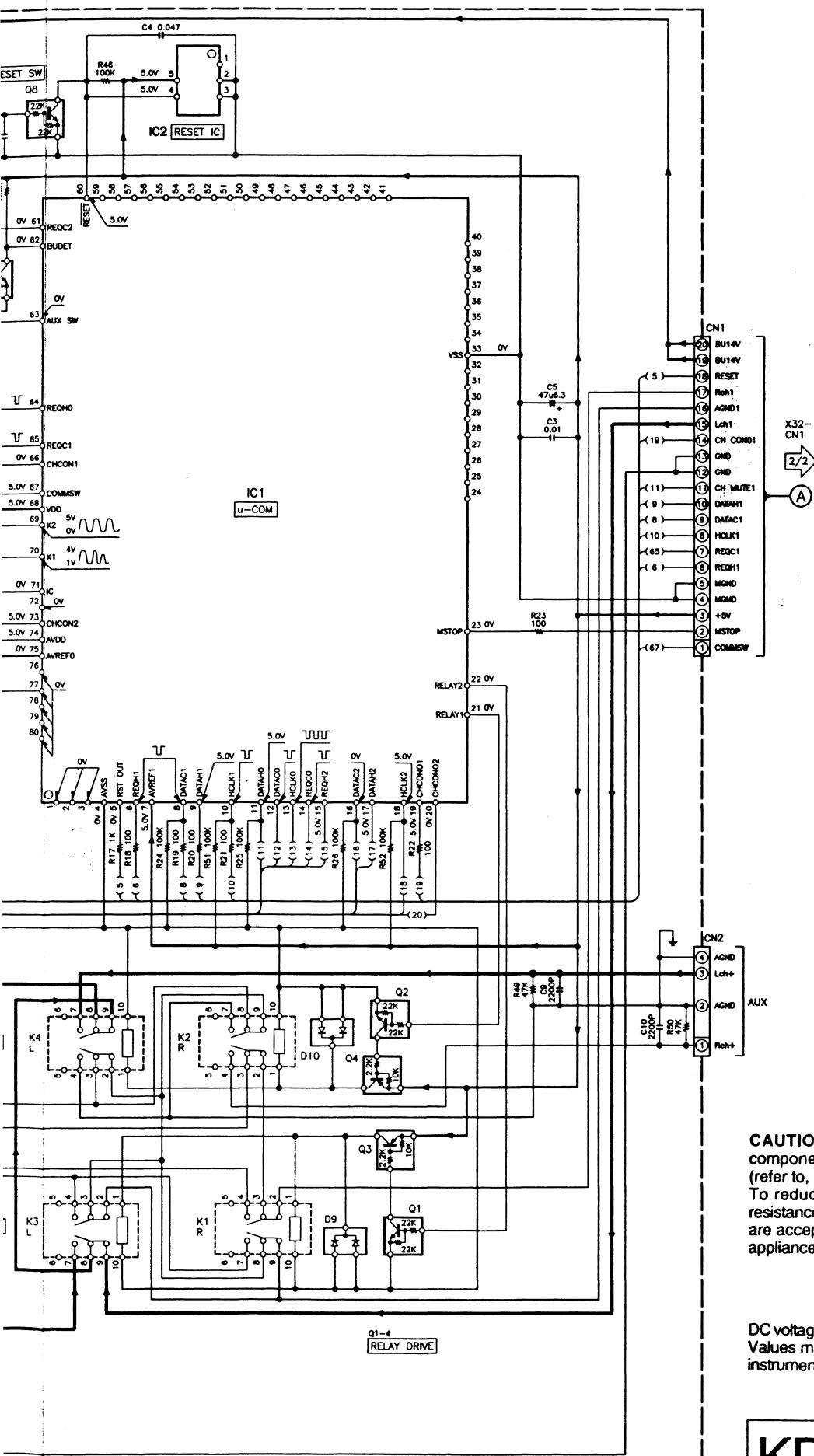
SIGNAL LINE
 GND LINE
 +8 LINE

S1
 OFF
 AUX SW
 ON



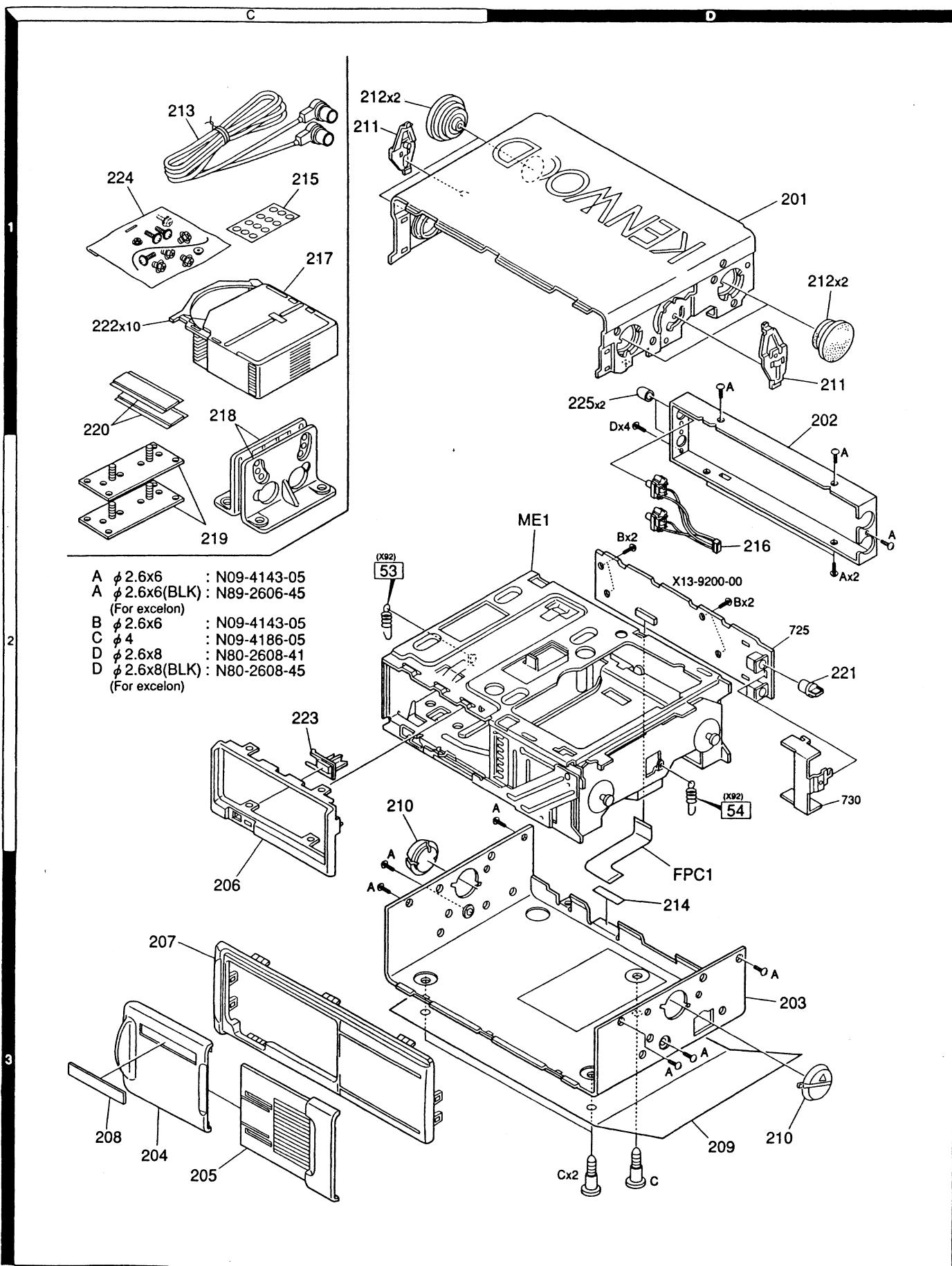
J1	J2
1 REOH0	REOH2
2 GND	GND
3 BU+14V	BU+14V
4 CHCOM1	CHCOM2
5 CH MUTE1	CH MUTE2
6 AGND	AGND2
7 CH RST	CH RST2
8 Rch	Rch2
9 REOC0	REOC2
10 DATA00	DATA02
11 DATAH0	DATAH2
12 Lch	Lch2
13 HCLK0	HCLK2





KDC-C811/CPS81

EXPLODED VIEW (UNIT)



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

EXPLODED VIEW (MECHANISM UNIT)

A M2x3.5	: N09-4126-05
B M2x2.5 (BLK)	: N39-2025-45
C M2x5	: N86-2005-46
D M1.7x1.5 (BLK)	: N09-4189-05
E ϕ 1.6x6	: N09-4154-05
F M1.7x3	: N09-4181-05
G M1.7x2.2	: N39-1722-46
J ϕ 1.55x3.8WASHER	: N19-2105-04
K ϕ 1.6x4 WASHER	: N19-2058-04
L ϕ 2x5 WASHER	: N19-2080-04
M ϕ 1.6x3.5 WASHER	: N19-2028-04

