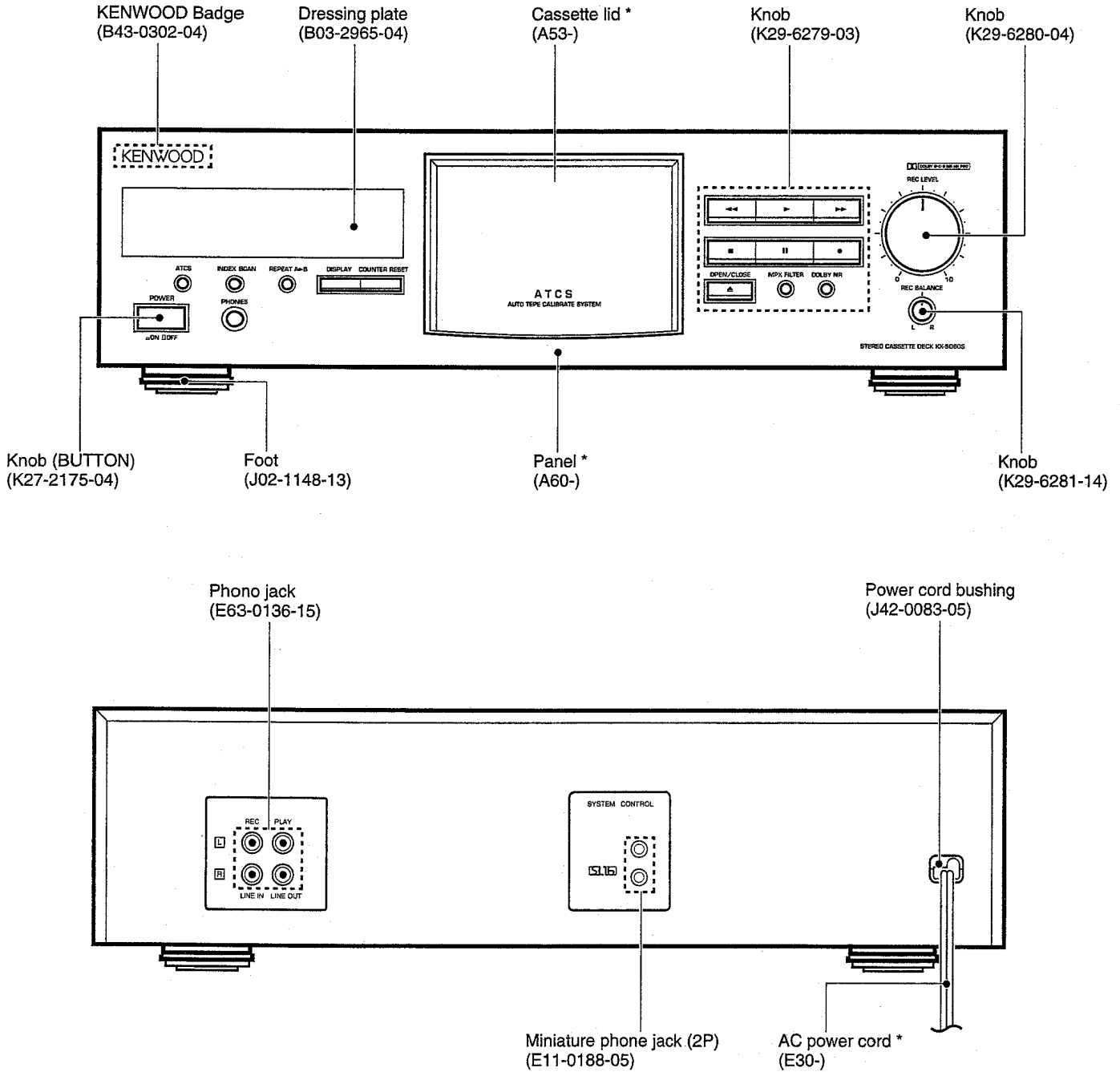


Illustration is KX-5080S.



\* Refer to parts list on page 25.

# KX-3080/5080S

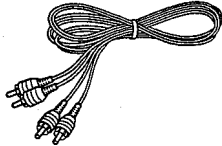
## CONTENTS / ACCESSORIE / CAUTION

### Contents

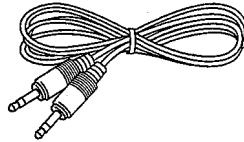
CONTENTS / ACCESSORIES / CAUTION .....	2	SCHEMATIC DIAGRAM .....	15
CONTROLS .....	3	EXPLODED VIEW (DECK MECHANISM) .....	23
BLOCK DIAGRAM .....	4	EXPLODED VIEW (UNIT).....	24
CIRCUIT DESCRIPTION .....	5	PARTS LIST .....	25
ADJUSTMENT .....	11	SPECIFICATIONS .....	29
PC BOARD .....	13		

### Accessories

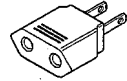
Audio cord ..... 2  
(E30-0505-05)



System control cord .....1  
(E30-2816-05)



AC plug adaptor .....1  
(E03-0115-05)



(Except for Europe and Australia)  
For the unit with a European AC plug in  
areas other than Europe.

### Caution

#### ***Beware of condensation***

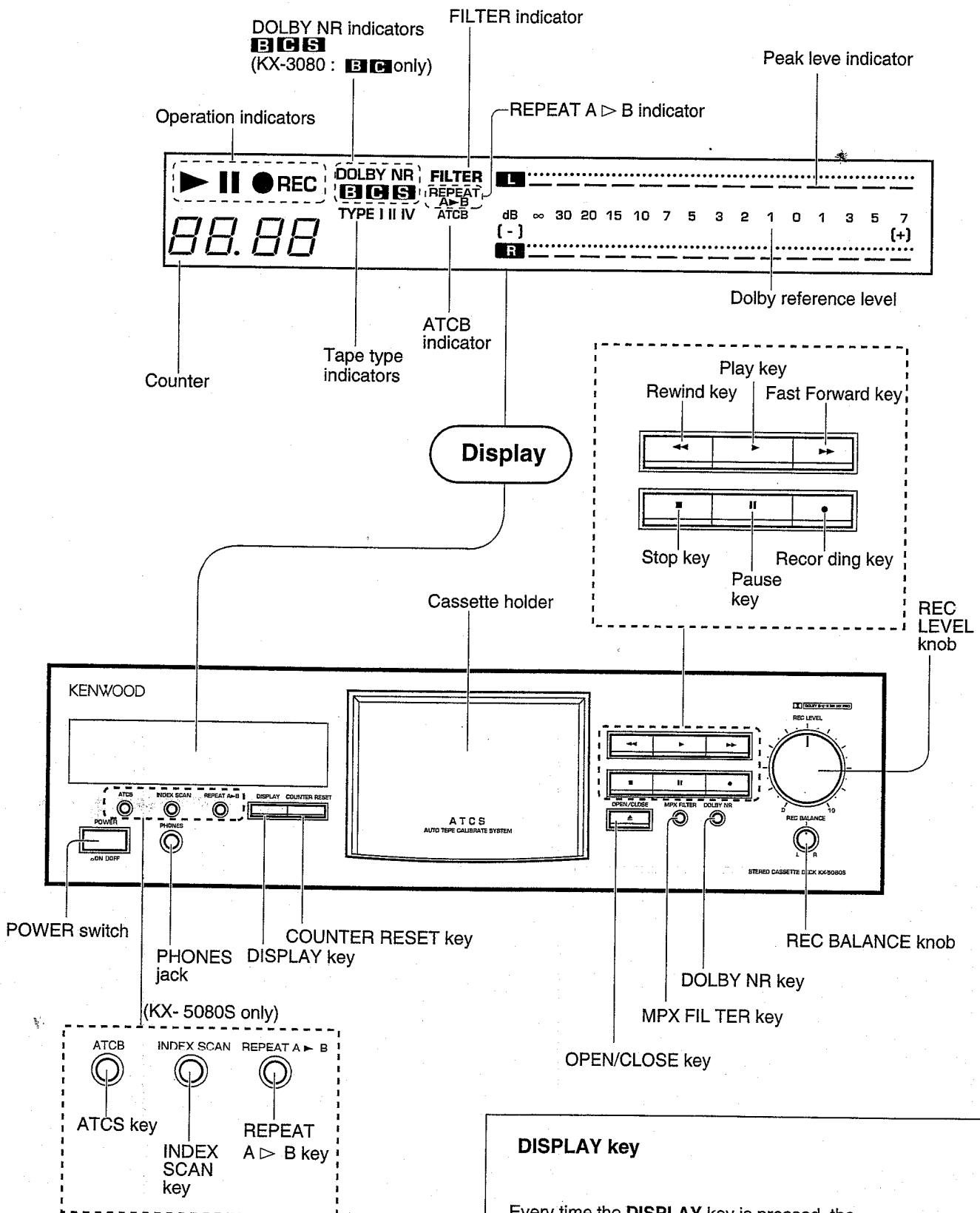
When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

#### ***Be especially careful in the following conditions:***

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

# KX-3080/5080S

## CONTROLS



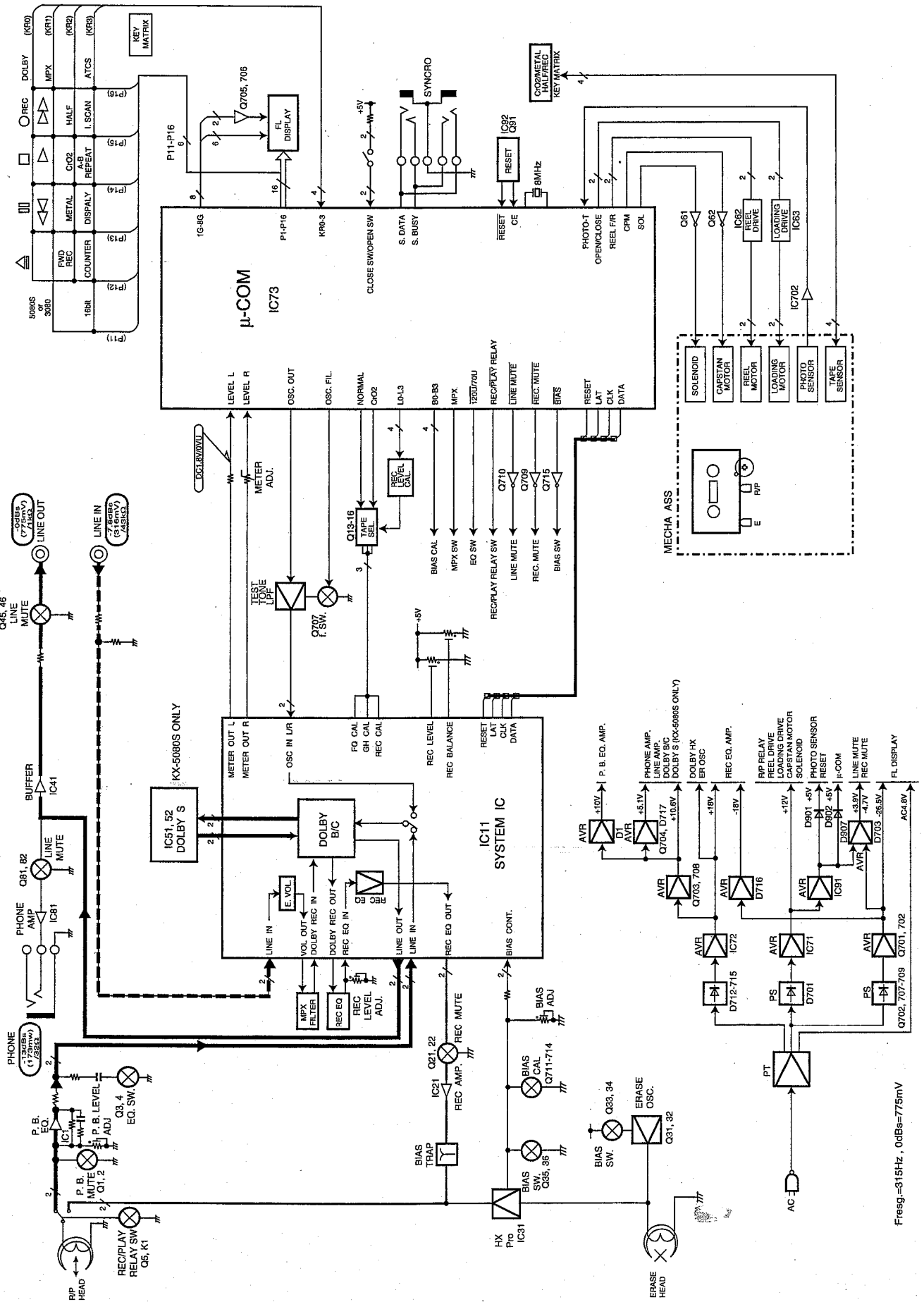
**DISPLAY key**

Every time the **DISPLAY** key is pressed, the display changes as follows

Normal lighting ↔ Counter lighting

# KX-3080/5080S

## BLOCK DIAGRAM



Freq<sub>sq</sub>=315Hz, OutEs=775mV

# KX-3080/5080S

## CIRCUIT DESCRIPTION

### Microprocessor periphery block diagram

SW0 : Test mode 1

SW1 : Model function

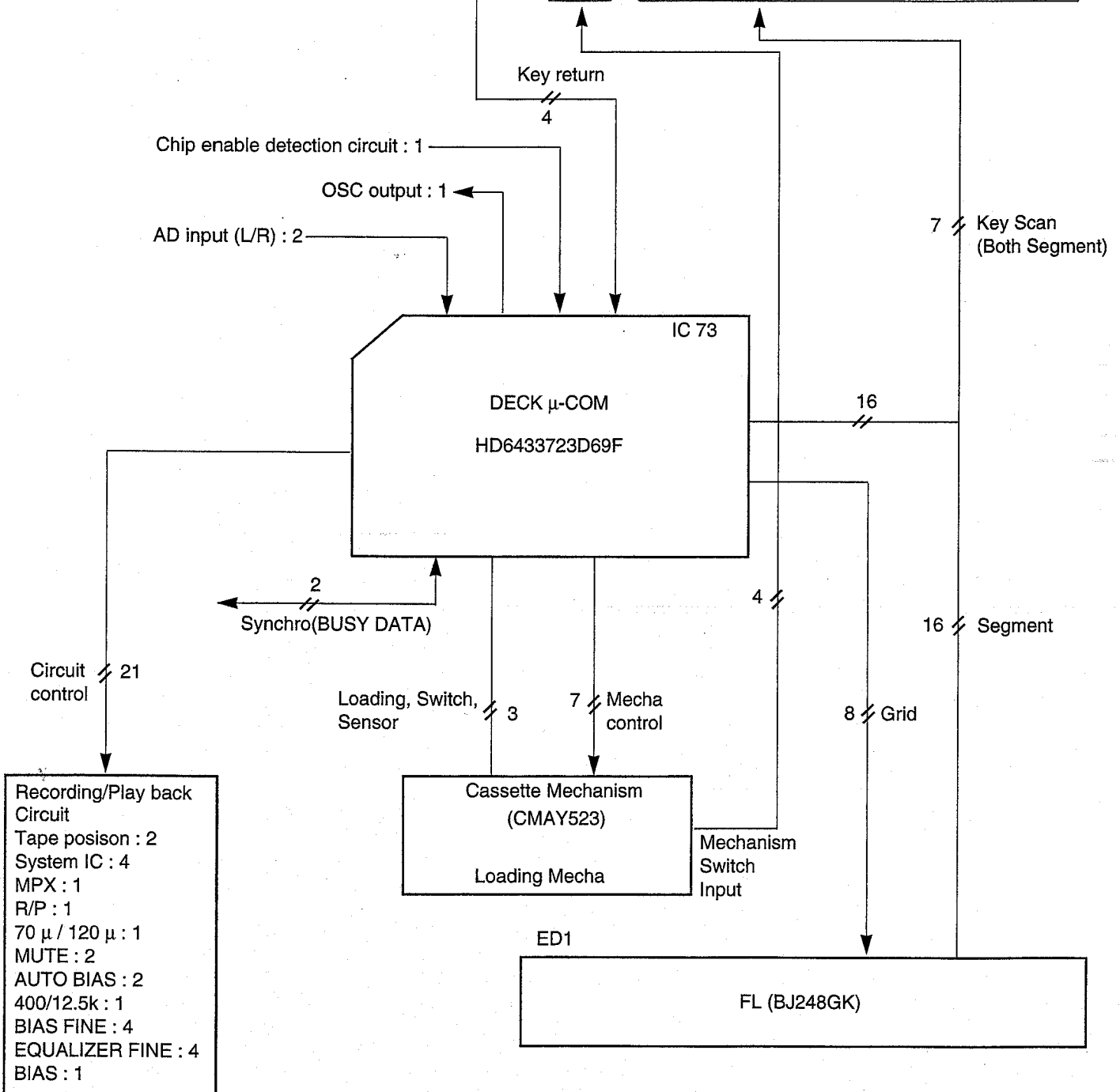
Model	Dolby NR (S)	A.T.C.S / index Scan / A-B Repeat	SW1
KX-3080	X	X	0
KX-5080S	0	0	1

SW2 : Setting of serial mode  
(XS8 / SL16)

[( ) :  $\mu$ -Com IC port]

	KS1(29)	KS2(28)	KS3(27)	KS4(26)	KS5(25)	KS6(24)
KR0 (1)	SW0	open / close	pause	■ stop	● rec	dolby NR
KR1 (2)	SW1		◀ rew	▶ play	▶▶ ff	MPX filter
KR2 (3)	SW2	rec inhibit	metal	pack	cro2	
KR3 (4)		counter reset	display	A - B repeat	index scan	ATCS

※ SW0~SW2 : Diode matrix



# KX-3080/5080S

## CIRCUIT DESCRIPTION

### Pin description

Pin No.	Name	I/O	Description
1	KR0	I	Return pin of auto key scan 0
2	KR1	I	Return pin of auto key scan 1
3	KR2	I	Return pin of auto key scan 2
4	KR3	I	Return pin of auto key scan 3
5	AVss		Standard GND for A/D input
6	TEST		Chip test pin. to Vss
7	X2	I	Crystal oscillator connection pin. to Vcc open
8	X1	I	Crystal oscillator connection pin. to Vcc open
9	Vss		GND for operation
10	OSC1	I	System clock oscillator connection
11	OSC2	I	System clock oscillator connection
12	RESET	O	$\mu$ -COM RESET
13	OPEN	O	Loading motor terminal (Forward)
14	CLOSE	O	Loading motor terminal (Reverse)
15	REEL R	O	Reel motor terminal (Reverse)
16	REEL F	O	Reel motor terminal (Forward)
17	400/12.5 k	O	OSC filter selection H : 400Hz L : 12.5kHz
18	OSC OUT	O	Output square wave using TIMER E
19	PHOTO(T)	I	Photo interrupter detect input
20		O	Unused
21	RPC	O	Mechanism motor control output H = FF, RWD L = PLAY
22	SOL	O	Mechanism solenoid control output
23	METAL CPM	O	CAPSTAN MOTOR TERMINAL H = ON L : OFF
24	P16/KS6	O	Segment output for FDP : p : key scan output 6
25	P15/KS5	O	Segment output for FDP : o : key scan output 5
26	P14/KS4	O	Segment output for FDP : n : key scan output 4
27	P13/KS3	O	Segment output for FDP : m : key scan output 3
28	P12/KS2	O	Segment output for FDP : l : key scan output 2
29	P11/KS1	O	Segment output for FDP : k : key scan output 1
30	P10/KS0	O	Segment output for FDP : j : key scan output 0
31	P9	O	Segment output for FDP : i
32	P8	O	Segment output for FDP : h
33	P7	O	Segment output for FDP : g
34	P6	O	Segment output for FDP : f
35	P5	O	Segment output for FDP : e
36	P4	O	Segment output for FDP : d
37	P3	O	Segment output for FDP : c
38	P2	O	Segment output for FDP : b
39	P1	O	Segment output for FDP : a
40	Vfdp		Power supply pin for driving the FDP (-30[V])
41	Grid 8	O	Grid output for FDP : 8G
42	Grid 7	O	Grid output for FDP : 7G
43	Grid 6	O	Grid output for FDP : 6G

# KX-3080/5080S

## CIRCUIT DESCRIPTION

Pin No.	Name	I/O	Description
44	Grid 5	O	Grid output for FDP : 5G
45	Grid 4	O	Grid output for FDP : 4G
46	Grid 3	O	Grid output for FDP : 3G
47	Grid 2	O	Grid output for FDP : 2G
48	Grid 1	O	Grid output for FDP : 1G
49		O	Unused
50		O	Unused
51	REC/PLAY	O	REC/PB selection H = REC L = PLAY
52	120 $\mu$ /70 $\mu$	O	Play back equalizer control (High=70u/Low=120u)
53	BIAS 0	O	Pin for variable bias(LSB)
54	BIAS 1	O	Pin for variable bias
55	BIAS 2	O	Pin for variable bias
56	BIAS 3	O	Pin for variable bias (MSB)
57	AVcc		$\mu$ -COM Power supply (+5[V])
58	REC 0	O	Pin for variable REC equalizer (LSB)
59	REC 1	O	Pin for variable REC equalizer
60	REC 2	O	Pin for variable REC equalizer
61	REC 3	O	Pin for variable REC equalizer (MSB)
62	MPX ON/OFF	O	MPX filter switching H = ON L = OFF
63	CRO2	O	HIGH only at Cro2 position
64	NORMAL	O	HIGH only at NORMAL position
65	RESET	O	CXA1778 DEVICE RESET SIGNAL OUTPUT
66	CLK	O	CXA1778 CLOCK SIGNAL OUTPUT
67	LAT	O	CXA1778 LATCH SIGNAL OUTPUT
68	DATA	O	CXA1778 DATA SIGNAL OUTPUT
69	BIAS ON OFF	O	Bias oscillator control H : OSC
70	CE	I	Detects chip enable L = BACK UP
71		O	Unused
72	R MUTE	O	Recording mute control L = MUTE ON
73	L MUTE	O	Line mute control L = MUTE ON
74	P BUSY	I/O	Serial communication with other equipment (BUSY)
75	P DATA	I/O	Serial communication with other equipment (DATA)
76	AVcc		Reference voltage for A/D converter
77	LEVEL L	I	A/D level input Lch
78	LEVEL R	I	A/D level input Rch
79	CLOSE SW	I	Loading close detection SW L = CLOSE
80	OPEN SW	I	Loading open detection SW L = OPEN

# KX-3080/5080S

## CIRCUIT DESCRIPTION

### OPERATION SPECIFICATIONS MANUAL

#### 1. FEATURES

- ① 2-motor, 1-solenoid, 2-head, single-capstan +1 motor loading
- ② A.T.C.S (KX-5080S ONLY)
- ③ DPSS(REPEAT, UP/DOWN SEARCH, ZERO STOP, RE REC STANDBY, DASH & PLAY)
- ④ INDEX SCAN [KX-5080S ONLY] mechanism
- ⑤ Dolby B/C/S, HX-PRO [Dolbys : KX-5080S ONLY]
- ⑥ XS8/SL16 (SERIAL OPERATION)
- ⑦ A-B REPEAT [KX-5080 ONLY]

#### 2. OPERATION SPECIFICATIONS

##### 2.1 A.T.C.S (Auto Tape Calibration System key)

Finely adjusts for the optimum bias for each type of tape : normal/chrome/metal. The bias has 16 levels.

When the tape type is changed, when a cassette with the recording prevent tab removed is mounted, or when the A.T.C.S key is pressed with A.T.C.S on A.T.C.S lit up), A.T.C.S ends. The display is cleared and the bias is returned to the center value.

##### (Summary of Operations)

- 10-second no-sound recording
- 200-ms recording with 400-Hz oscillation as standard bias
- Recording for 200 ms per level with 12.5 oscillation shifted in order through all 16 bias levels from the deepest
- Rewind to 400-Hz recording start point
- Playback with 400-Hz playback level sampled.
- 12.5-kHz playback level sampled at each bias level and the bias at which 400-Hz playback level  $\leq$  12.5-kHz playback level taken as optimum bias level
- Rewind to 400-Hz recording start point ; end

##### 2.2 XS8/SL16 System control

Combination with amps, receivers, etc. with the XS8/SL16 make easy bidirectional operation possible.

The 16-bit format is also supported.

- 1) Switch on the AC power while pressing the  $\blacktriangleright\blacktriangleright$  key.

The unit goes into 16-bit format and subsequent communications use the 16-bit format.

(The fact that the format is the 16-bit format is backed up.)

- 2) Switch on the AC power while pressing the  $\blacktriangleleft\blacktriangleleft$  key.

The unit goes into 8-bit format and subsequent communications use the 8-bit format.

(The fact that the format is the 8-bit format is backed up.)

- 3) Short KS1 and KR2 with the diode and switch on the power. Communications use the 16-bit format, but if you press the  $\blacktriangleleft\blacktriangleleft$  key or  $\blacktriangleright\blacktriangleright$  key while switching on the power, the format set with the  $\blacktriangleleft\blacktriangleleft$  or  $\blacktriangleright\blacktriangleright$  key takes precedence.

#### 2.3 Counter

This is a digital counter. When the unit is on standby and when the AC power is off, the counter value is backed up.

#### 3. DEFAULT STATES

##### 3.1 Main unit default states

ITEM	STATE
POWER	POWER ON
DOLBY	OFF
MPX FILTER	OFF
COUNTER	0000
DISPLAY	ALL DISPLAY MODE
A.T.C.S	OFF
REC EQ VALUES	CENTER
BIAS VALUES	CENTER
BIAS VALUES	CENTER
TAPE TYPE	TYPE I
SERIAL MODE	NOT SPECIFIED ※

※When the serial format is not specified, the format is determined by the KS-1→KR2 diode short in the key matrix. (This is set at the factory for 8-bit format.)

##### 3.2 Backed up data

- Dolby mode
- Digital counter
- MPX filter
- A.T.C.S REC EQ and bias value
- Serial mode (8/16 bit)
- Tape type

※Switching on the AC power pressing the Stop key initializes the unit.



# KX-3080/5080S

## CIRCUIT DESCRIPTION

### 4. TEST MODE

Setting method Test 1. While pressing the play key [▶], or shorting  $\overset{\ast}{\text{KSI}}$  and  $\overset{\ast}{\text{KRO}}$  with the diode, plug the power cord to the AC wall outlet.

※ KSI : pin2905 IC73

※ KRO : pin 105 IC73

- Ending test mode : Pause the unit or turned off the AC power. The contents of test mode are not backed up.

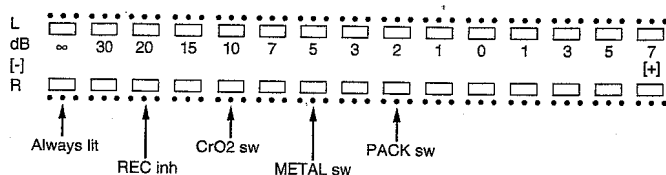
### 4.1 Test 1 specifications

#### (1) All-lit display

The display comes on 500 ms after the power is turned on and for about 2 seconds the entire display lights up. At the end of the all-lit display, key input can be accepted.

#### (2) Mechanical turned display

The state of each of the mechanical turned is displayed on the right channel of the level meter when the line meter is on. There is no such display on the left channel.



#### (3) Direct change

Even in play mode, the unit goes directly into record mode.

#### (4) A.T.C.S

Setting ARM time reduced

(Maximum about 10 seconds → about 3 seconds)

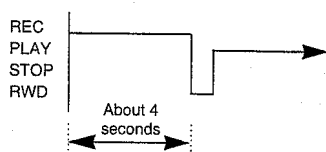
#### (5) A-B repeat

Setting A-B time reduced

(Maximum about 10 seconds → 2 seconds)

#### (6) 4-second recording

When you press the REC key, the unit records for 4 seconds, then automatically rewinds and plays back those 4 seconds. During recording, if you press the REC key again, 4 seconds are recorded from that time.



### 4.2 Synchronization test mode (KSJ-0816)

- Synchro test on

If the deck power is on, in any mode, the synchro test on code (E040H) turned on the synchro test

- Synchro test off

The synchro test off code (E041H) turned off the synchro test and returns the unit to the state it was in before the synchro test. Also, since the backing up is ended, the next time the power is turned on, the default values are set in the backup area.

※ When the unit goes into synchro test mode, all the main unit keys are inhibited.

- Main unit key modes

The modes below carry out regular operations.

	CODE
FWD PLAY	E020H
FF	E022H
RWD	E023H
STOP	E024H
REC	E025H
PAUSE	E026H
FWD REC	E02CH
CD PEAK SEARCH	E030H
AUTO BIAS	E033H

Dolby control (code)

Dolby OFF --- E037H

Dolby B ON --- E038H

Dolby C ON --- E039H

# KX-3080/5080S

## CIRCUIT DESCRIPTION

- Tape selector (mechanical tape discrimination leaf turned) enable/disable

Tape Selector On code (E042H)  
Enables the mechanical leaf turned

Tape Selector Off code (E043H)  
Ignores the mechanical leaf turned

- When changing the tape selector with serial codes, input the above Off code (E043H), then change the selector with one of the following codes.

NORMAL (E029H)  
CrO2 (E02AH)  
METAL (E02BH)

- 4-second recording, special codes

Reel pulse counter reset (E047H)

When the B deck is recording, this code resets the reel pulse counter (to 00).

Reverse rewind (E048H)

Puts the unit into rewind mode in the opposite direction from the current tape travel direction.

The reel pulse counter goes into count down mode.

Reverse play at the reel pulse counter reset position (E049H)

The direction is reversed and playback started at the position where the reel pulse counter was reset (the position where the E047H code was input).

- 4-second recording operation procedure

(1) B Recording (E025H) input

The unit starts recording with the B deck.

(2) Reel pulse counter reset (E047H) input

The reel pulse counter is reset to determine the rewind position. The external timer is started and the recording time measured.

(3) After the desired time is recorded, rewind (E048H) input

The tape travel direction is reversed and tape is rewind.

The reel pulse counter goes into count down mode.

Soon after, the operations in 4 are carried out.

(4) Reverse play (E049H) input at reel pulse counter reset position

After the reel pulse counter counts down to the reset position (counter 00), the tape travel direction is reversed and play back starts.

If any other mechanical operation code is input during this series of operations, this operation mode may be ended and normal operation mode may be impossible.

# KX-3080/5080S

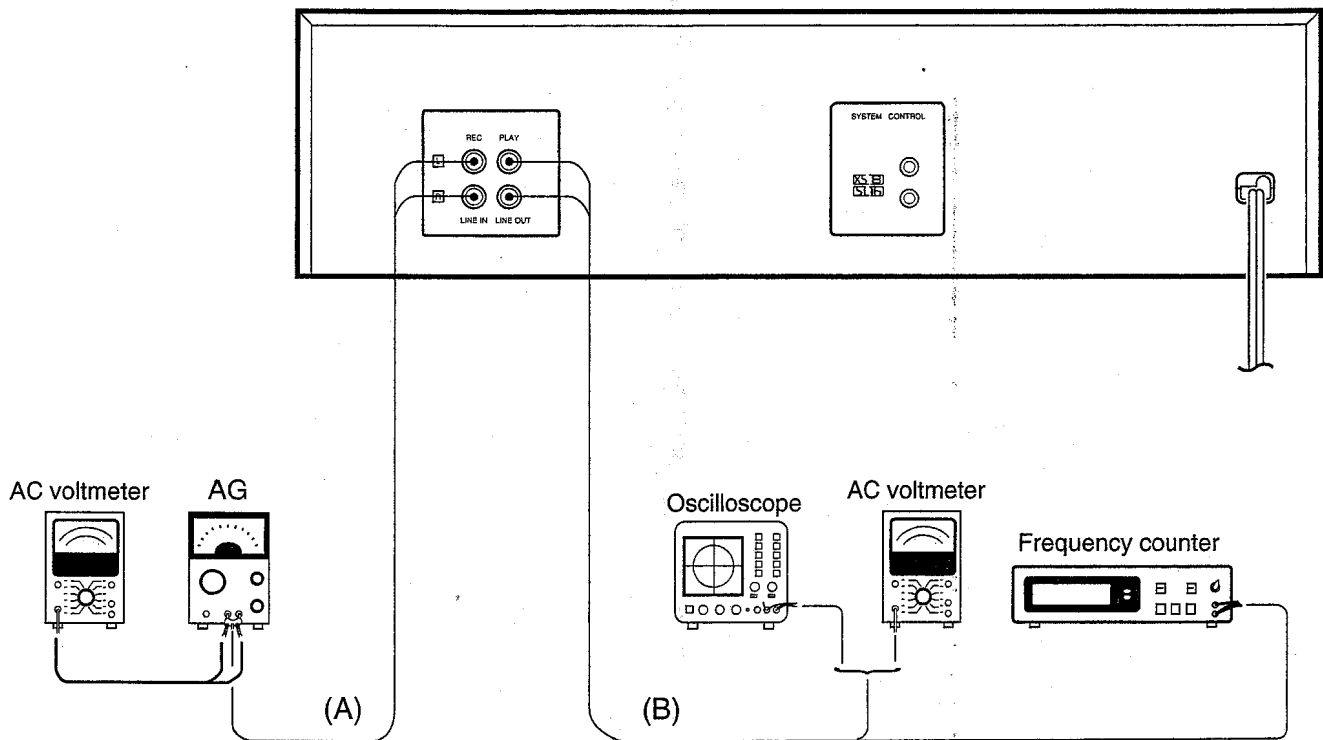
## ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified: each; switch should be set as follows : TAPE : NORMAL, DOLBY : OFF, INPUT : LINE I. Cassette mechanism section (REC/PB head adjustment)							0dBs = 0.775V
[1]	Demagnetization and cleaning	—	—	Power OFF, demagnetization, cleaning play	REC/PB head, erase head, capstan, pinch roller	Demagnetize the REC/PB head by head eraser. Clean the REC/PB head, erase head capstan and pinch roller with a cotton swab immersed in alcohol.	
[2]	REC/PB head azimuth	MTT-114, TCC-153 SCC-1727 10 kHz, -10 dB	(B)	PLAY	Azimuth adjustment screw	In a setting where the output is maximized, adjust the azimuth adjustment screw so that the Lissajous figure appearing on the oscilloscope screen comes near to a line slanted 45°. Note: The head should be installed in such a manner that it approaches the tape face.	(a)
II. PC board adjustment(X26-140)							
< 1 >	Tape speed	MTT-111 TCC-100 SCC-1727 3 kHz, -4 dB	(B)	PLAY	MOTOR	Adjust so that frequency is 3 kHz at the center of the tape.	
< 2 >	Playback level	MTT-150 400 Hz (200 nwb/m)	(B)	PLAY	VR1(L) VR2(R)	Adjust so that LINE OUT is -1.2dBs	
		MTT-256 SCC-1727 315 Hz (160 nwb/m)				Adjust so that LINE OUT is -4.0 dBs.	
		MTT-256U, TCC-160 315 Hz (250 nwb/m)				Adjust so that LINE OUT is 0 dBs.	
< 3 >	Bias current	(A) 1 kHz, -30 dBs 10 kHz, -30 dBs	(B)	Adjust the REC VR (LEVEL, BALANCE) so that the REC monitor output is -20 dBs at 1 kHz, and record and playback 1 kHz, and 10 kHz alternately.	VR13(L) VR14(R)	Record 1 kHz, and 10 kHz alternately, and adjust each bias current adjustment VR so that the 10 kHz play back level is +0.5 dB against 1 kHz.	
< 4 >	Recording level	(A) 1 kHz, -30dBs	(B)	Record and playback 1 kHz with the situation of above < 3 > kept as it is.	VR11(L) VR12(R)	Adjust the variable resistors so that a playback level of -20 dBs is obtained.	
< 5 >	FL meter 0 dB	(A) 1 kHz, -10 dBs	—	REC PAUSE adjust REC VR(LEVEL, BALANCE) so that the monitor output is 0 dBs at 1 kHz.	VR15(R)	Adjust to the same level as that to L-channel.	
<b>Note: On item &lt; 2 &gt; in "II. PC board adjustment"</b>							
Although 3 kinds of tapes are set forth for the playback level adjustment, the use of one tape suffices for adjustment. Here is meant no necessity for the use of all these 3 kinds of tapes. Other than the abovementioned tapes, when a test tape equal in magnetic flux and frequency is available, the adjustment is feasible with this test tape by making the playback output suited to the specified output level of this tape in agreement with the adjustment method.							

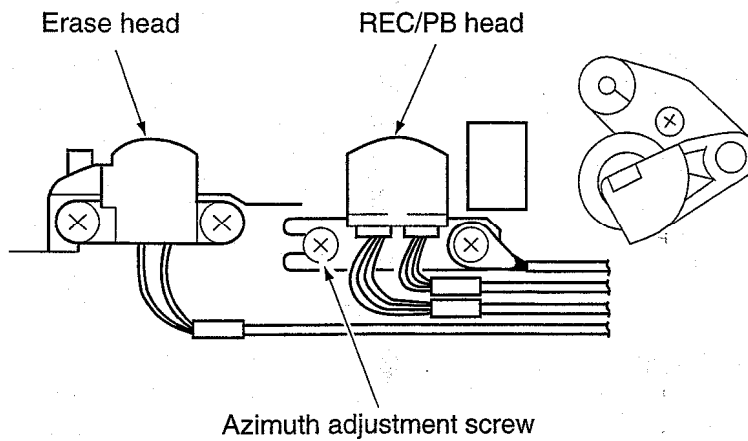
# KX-3080/5080S

## ADJUSTMENT

### Measurement Equipment Connection :

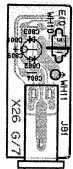
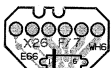
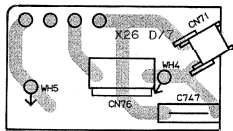


### (a) Azimuth adjustment screw

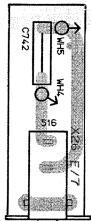


A B C D E F G H I J

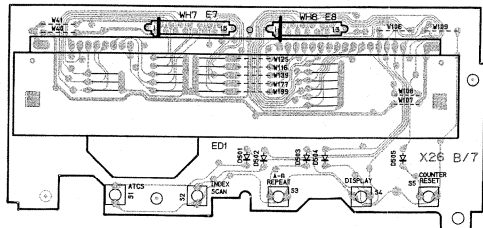
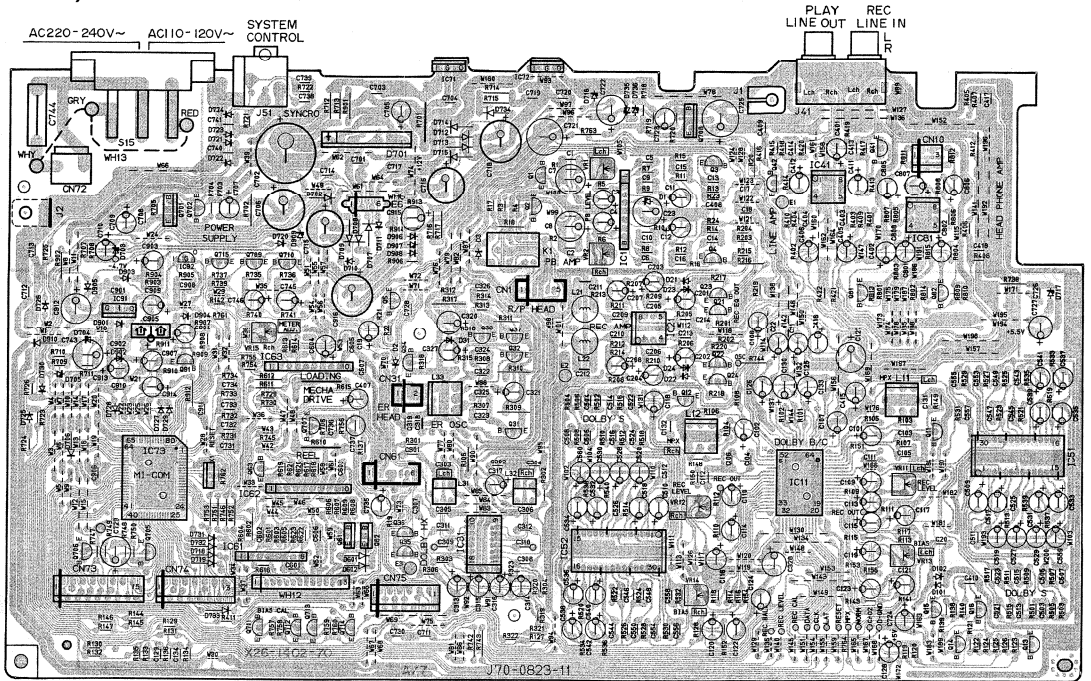
PC BOARD (Component side view)



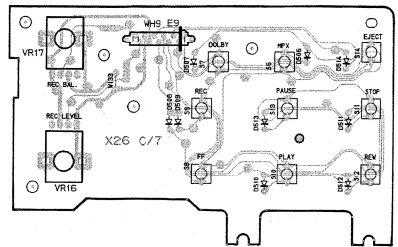
PHONES



POWER



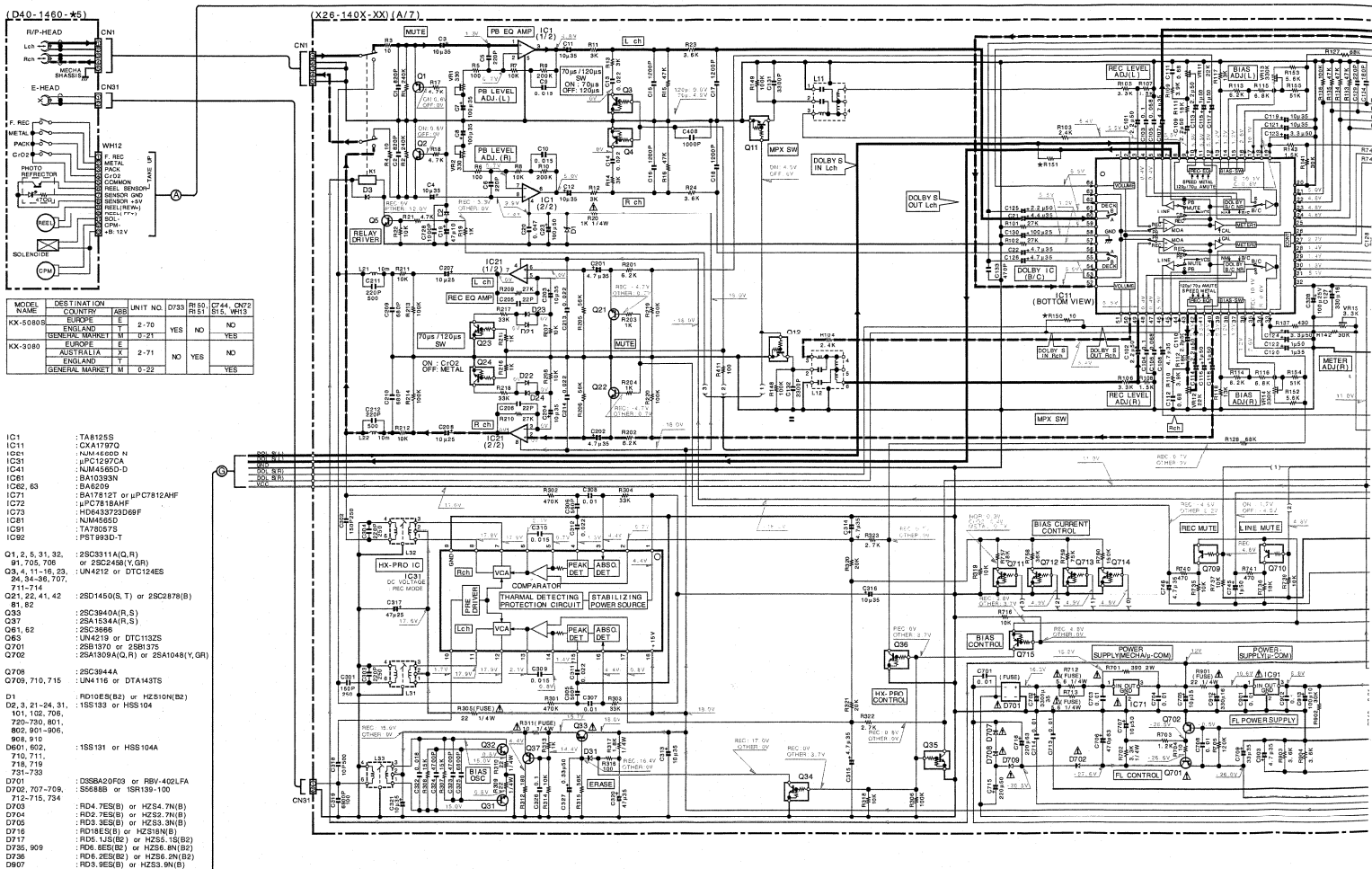
14



FRONT

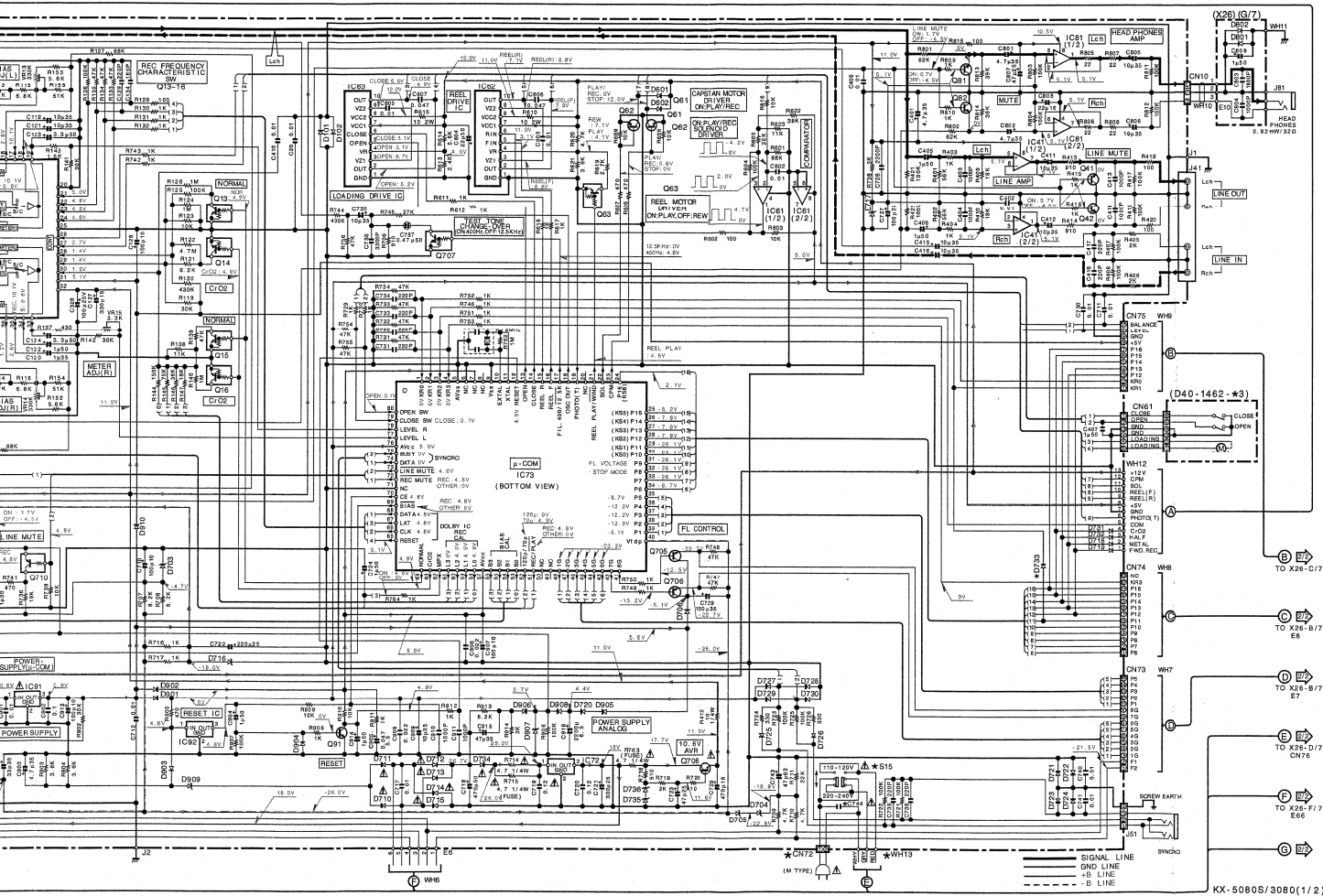
Refer to the schematic diagram for the values of resistors and capacitors.

13



MODEL NAME	DESIGNATION	UNIT NO.	D735	RESO.	Q744, Q747
KX-5080S	EUROPE	E	2-70	YES	NO
KX-5080	GENERAL MARKET	M	0-21	NO	YES
	ENGLAND	E	2-71	NO	NO
KX-5080	AUSTRALIA	X	2-71	NO	NO
	GENERAL MARKET	M	0-22	NO	YES

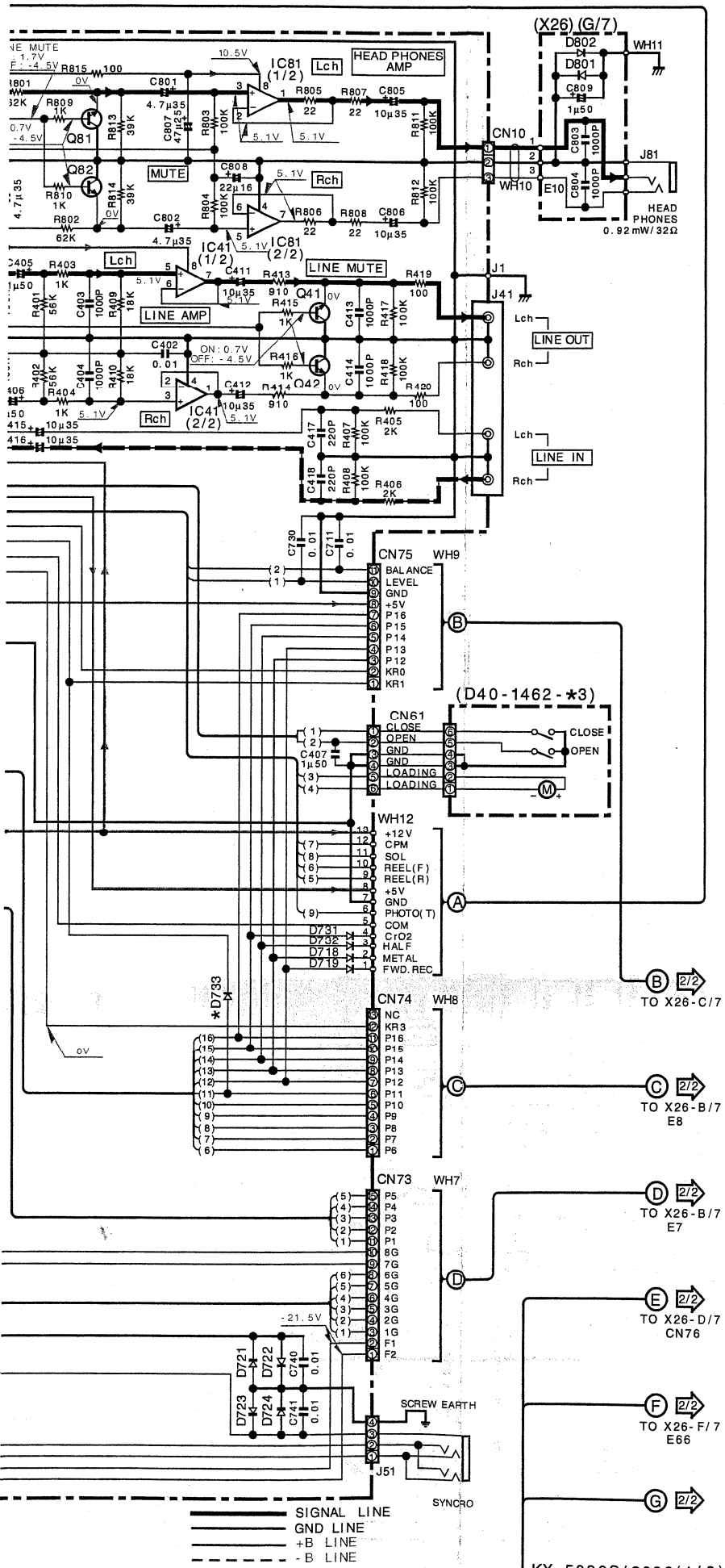
- IC1 : TA8125S
- IC11 : CA1475D
- IC2 : NJM4560D
- IC3 : LFC125CA
- IC4 : NJM4565D
- IC6 : BA1035N
- IC92, 63 : BA6309
- IC71 : BA17812T or LFC7812AHF
- IC72 : LFC7818AHF
- IC73 : HD64373D06F
- IC81 : NJM4555D
- IC91 : TAT8078
- IC92 : PST893D-T
- Q1, 2, 5, 31, 32 : 2SC3311A(Q,R)
- Q1, 705, 706 : 2SC4581(Y,G,R)
- Q3, 4, 11-16, 23, 24, 34-36, 707, 711-714 : UN4212 or DTC124ES
- Q21, 22, 41, 42 : 2SD1450(S,T) or 2SC2878(B)
- Q1, 62 : 2SC3840(R,S)
- Q37 : 2SA1334(R,S)
- Q61, 62 : 2SC3669
- Q63 : UN4219 or DTC113ZS
- Q701 : 2SB1970 or 2SB1975
- Q702 : 2SA1309A(Q,R) or 2SA1048(Y,G,R)
- Q708 : 2SC3944A
- Q709, 710, 715 : UN4116 or DTA443TS
- D1 : RD10E8(B2) or HZ510N(B2)
- D2, 3, 21-24, 31 : 1SS133 or HSS104
- 101, 102, 706, 720-730, 801 : 100Ω
- 806, 910 : 1SS131 or HSS104A
- 710, 711, 718, 719 : 100Ω
- 731-733 : 100Ω
- D701 : DSS8A20F08 or RV1402LFA
- D702, 707-709, 712-715, 734 : 100Ω
- D705 : RD4\_7E5(B) or HZ54\_7N(B)
- D704 : RD2\_7E5(B) or HZ52\_7N(B)
- D706 : RD3\_7E5(B) or HZ53\_7N(B)
- D716 : RD18E5(B) or HZ518N(B)
- D717 : RD5\_1J5(B) or HZ55\_1S(B2)
- D718 : RD6\_2E5(B) or HZ56\_2N(B2)
- D726, 909 : RD3\_9E5(B) or HZ53\_9N(B)
- D728 : RD6\_2E5(B) or HZ56\_2N(B2)
- D907 : RD3\_9E5(B) or HZ53\_9N(B)



**CAUTION:** For contin components only with (refer to parts list). For continued protect with same type and ra electric shock, leakage shall be carried out (ex from the supply circuit) the customer.

The DC voltage is an a impedance type volt playback mode. The depending on the mea product. Be careful in record mode.

DOLBY and the double Laboratories Licensing made under license in Corporation.



KX-5080S/3080(1/2)  
Y26-4132-70

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  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.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

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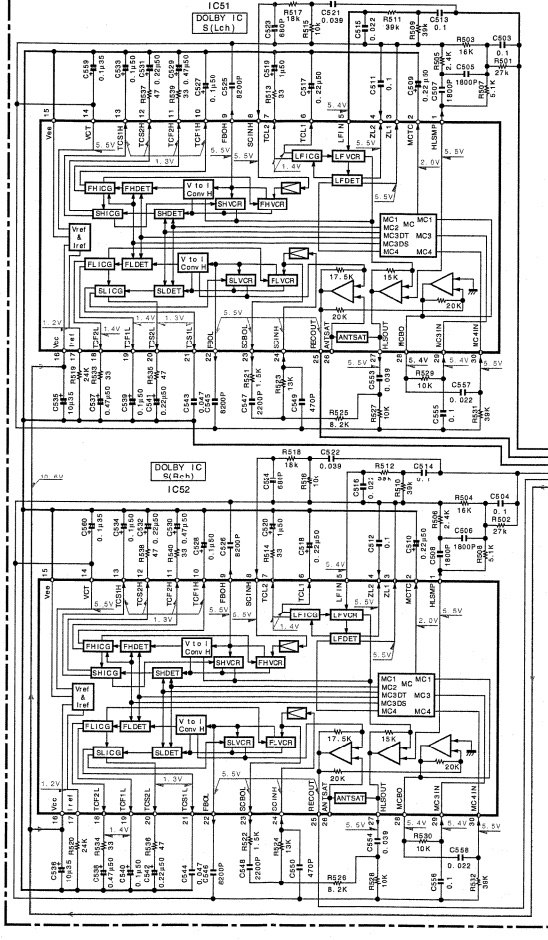
- (B) TO X26-C/7
- (C) TO X26-B/7 E8
- (D) TO X26-B/7 E7
- (E) TO X26-D/7 CN76
- (F) TO X26-F/7 E66
- (G) TO X26-G/7

# KX-3080/5080S

## KENWOOD



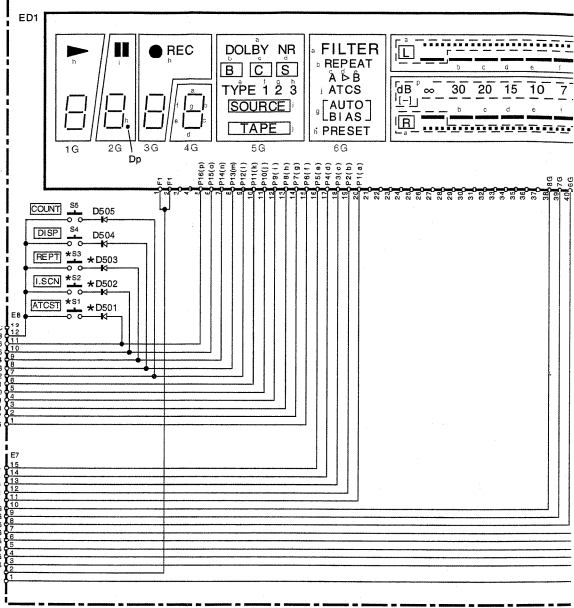
(X26-1402-70) (2/2) (KX-5080S ONLY)



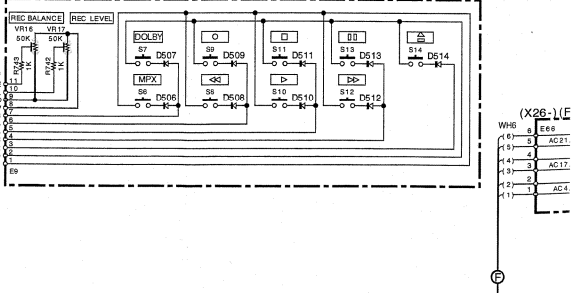
	KX-5080S	KX-3080S
2-70	0-21	2-71
2-71	0-22	2-72
C747	YES	NO
CN71	YES	NO
CN78	NO	YES
D501-503	YES	YES
ST-3	YES	YES

IC51, 52 : CXA1917S  
 D501-514 : ISS131 or HSS104A

X26-140X-XX (B/7)

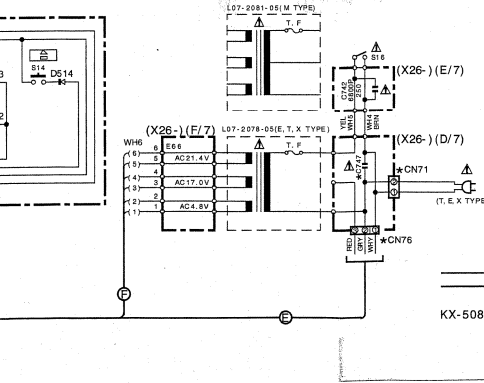
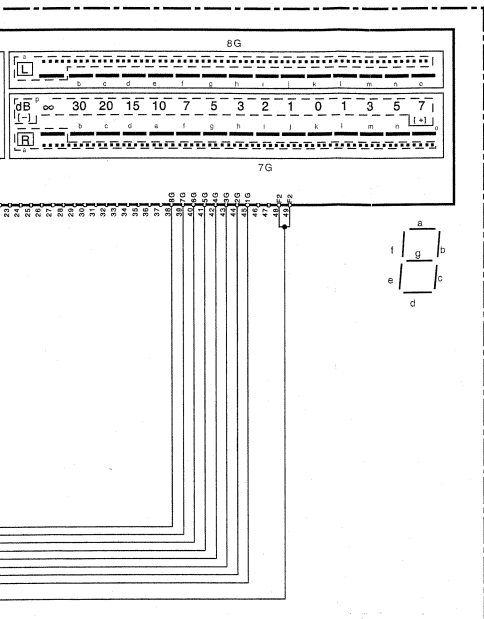


(X26-140X-XX) (C/7)



- TO X26-A17 CN75
- TO X26-A17 CN74
- TO X26-A17 CN75
- TO X26-A17 WH15
- TO X26-A17 E6
- TO X26-A17

- (X26-1) E
- 6 E6
- AC1
- AC17
- AC1
- AC1
- AC1



**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **A** 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.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Since circuit DC voltage is measured while in the record mode.

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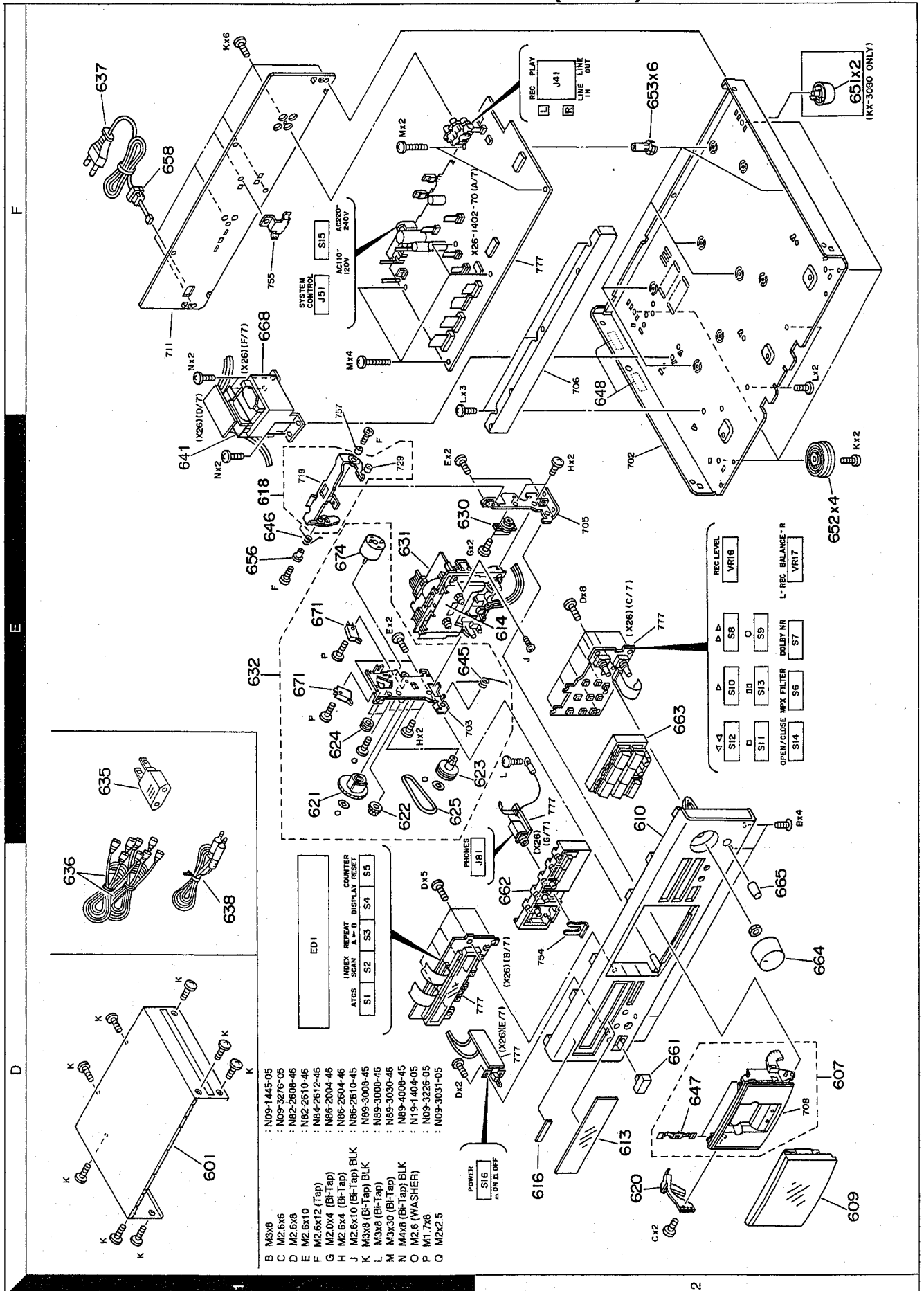
- |                                 |  |                     |  |         |
|---------------------------------|--|---------------------|--|---------|
| 2SA1534A<br>2SC2878<br>2SC3940A | DTA143TS<br>DTC124ES<br>UN4116<br>2SA1048<br>2SC2458 | 2SB1370<br>2SC3944A | UN4212<br>UN4219<br>2SA1309A<br>2SC3311A | 2SC3666 |
| 2SB1375                         | NJM4560D-N<br>NJM4565D<br>NJM4565D-D                 | TA8125S             | BA17812T<br>UPC7812AHF<br>UPC7818AHF     | BA6209  |
| BA10393N                        | UPC1297CA  | CXA1797Q            | CXA1917S                                 |         |





# KX-3080/5080S

## EXPLODED VIEW (UNIT)



# KX-3080/5080S

## 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	Add-ress	New Parts	Parts No.	Description	Depth-nation	Re-marks
651	2F	*	H50-1711-04	ITEM CARTON CASE	EX	3
652	2E	*	H50-1712-04	ITEM CARTON CASE	M	3
653	2E	*	H50-1772-04	ITEM CARTON CASE	T	3
654	1F	*	H50-1773-04	ITEM CARTON CASE	E	5
655	2D	*	H50-1774-04	ITEM CARTON CASE	M	5
656	2D	*	H50-1775-04	ITEM CARTON CASE	T	5
657	2F	*	J02-1013-05	FOOT		
658	2E	*	J02-1148-13	FOOT (D=46,H=14.5)		
659	2E	*	J19-3730-04	UNIT HOLDER		
660	1F	*	J42-0083-05	POWER CORD BUSHING		
661	2D	*	J61-0081-05	WIRE BAND		
662	2D	*	J61-0098-05	WIRE BAND		
663	2D	*	K27-2175-04	KNOB (BUTTON)		
664	2E	*	K29-6277-03	KNOB		
665	2D	*	K29-6279-03	KNOB		
666	2D	*	K29-6280-04	KNOB		
667	2D	*	K29-6281-14	KNOB		
668	1E	*	L07-2078-05	POWER TRANSFORMER	EXT	
669	1F	*	L07-2081-05	POWER TRANSFORMER	M	
670	1E	*	S74-0055-05	MICRO SWITCH		
671	1E	*	T42-0577-05	DC MOTOR		
672	1E	*	T42-0577-05	DC MOTOR		
<b>CASSETTE UNIT (X26-140X-XX)</b>						
C12			CO93FMG1H821J	MYLAR		J 35WV
C13			CE04KW1V100M	ELECTRO		10UF
C14			CC45FSL1H221J	CERAMIC		220PF
C15			CE04KW1V100M	ELECTRO		100UF
C16			CO93FMG1H153J	MYLAR		0.015UF
C17			CE04KW1V100M	ELECTRO		10UF
C18			CO93FMG1H223J	MYLAR		0.022UF
C19			CK45FB1H22K	CERAMIC		1200PF
C20			CE04KW1A470M	ELECTRO		47UF 10WV
C21			CK45FF1H103Z	CERAMIC		0.010UF
C22			CE04KW1V4R7M	ELECTRO		4.7UF 35WV
C23			CE04KW1H101M	ELECTRO		100UF 50WV
C101			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C102			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C103			CO93FMG1H104J	MYLAR		0.10UF
C104			CO93FMG1H883J	MYLAR		0.068UF
C105			CE04KW1V4R7M	ELECTRO		4.7UF 35WV
C106			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C107			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C108			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C109			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C110			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C111			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C112			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C113			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C114			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C115			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C116			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C117			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C118			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C119			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C120			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C121			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C122			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C123			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C124			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C125			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C126			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C127			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C128			CE04KW1H2R2M	ELECTRO		2.2UF 50WV
C129			CC45FSL1H221J	CERAMIC		220PF
C130			CE04KW1E101M	ELECTRO		100UF 25WV
C131			CO93FMG1H332J	MYLAR		3300PF
C132			CK45FB1H471K	CERAMIC		470PF
C133			CC45FSL1H181J	CERAMIC		180PF
C134			CC45FSL1H181J	CERAMIC		180PF

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Ref. No	Add-ress	New Parts	Parts No.	Description	Depth-nation	Re-marks
<b>KX-3080/5080S</b>						
601	1D	*	A01-3292-01	METALLIC CABINET		
602	2D	*	A53-1914-03	CASSETTE HOLDER ASSY		3
603	2D	*	A53-1916-13	CASSETTE LID		3
604	2D	*	A53-1934-03	CASSETTE LID		3
605	2D	*	A60-0834-11	PANEL		5
606	2F	*	A60-0835-11	PANEL		5
607	2D	*	B03-2965-04	DRESSING PLATE		
608	1E	*	B03-2968-13	DRESSING PLATE		
609	2D	*	B43-0302-04	KENWOOD BADGE		
610	2D	*	B46-0098-53	WARFANTY CARD		
611	2D	*	B46-0310-03	WARFANTY CARD		
612	2D	*	B58-0945-03	CAUTION CARD		
613	2D	*	B58-0965-13	CAUTION CARD (PL)		
614	1E	*	B58-0966-13	CAUTION CARD (PL)		
615	2D	*	B60-2423-00	INSTRUCTION MANUAL(ENGLISH)		
616	2D	*	B60-2424-00	INSTRUCTION MANUAL(FRENCH)		
617	2D	*	B60-2425-00	INSTRUCTION MANUAL(GERMANY)		
618	2D	*	B60-2426-00	INSTRUCTION MANUAL(ITALY)		
619	2D	*	B60-2427-00	INSTRUCTION MANUAL(SPANISH)		
620	2D	*	B60-2428-00	INSTRUCTION MANUAL(TIWAN)		
621	2D	*	B60-2429-00	INSTRUCTION MANUAL(CHINESES)		
622	1E	*	D10-3610-04	LEVER ASSY		
623	1E	*	D10-3615-04	ARM		
624	1E	*	D12-0155-03	CAM		
625	1E	*	D13-1724-04	GEAR		
626	1E	*	D15-0389-04	PULLEY		
627	1E	*	D15-0390-04	MOTOR PULLEY		
628	1E	*	D16-0395-03	BELT		
629	1E	*	D39-0324-05	DAMPER		
630	1E	*	D40-1462-23	EJECT MECHANISM ASSY		
631	1E	*	E03-0115-05	AC PLUG ADAPTER		
632	1F	*	E30-0505-05	AUDIO CORD		
633	1D	*	E30-2788-05	AC POWER CORD		
634	1F	*	E30-2790-05	AC POWER CORD		
635	1F	*	E30-2791-05	AC POWER CORD		
636	1D	*	E30-2816-05	CORD WITH PLUG		
637	1F	*	F20-1471-04	INSULATING BOARD		
638	1D	*	G01-3842-04	TORSION COIL SPRING		
639	1E	*	G01-3848-04	TORSION COIL SPRING		
640	2E	*	G02-1057-14	FLAT SPRING		
641	2F	*	G11-2242-04	CUSHION		
642	2F	*	H10-7116-02	POLYSTYRENE FOAMED FIXTURE		
643	2F	*	H10-7117-02	POLYSTYRENE FOAMED FIXTURE		
644	2F	*	H10-7118-02	POLYSTYRENE FOAMED FIXTURE		
645	2F	*	H10-7119-02	POLYSTYRENE FOAMED FIXTURE		
646	2F	*	H12-2290-04	PACKING FIXTURE		
647	2F	*	H13-0211-14	CARTON BOARD		
648	2F	*	H20-0568-04	PROTECTION COVER		
649	2F	*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
650	2F	*	H25-0391-04	PROTECTION BAG		
651	2F	*	H25-0651-04	PROTECTION BAG		

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# KX-3080/5080S

## PARTS LIST

4

\* New Parts  
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Ref. No	Add-ress	New Parts	Parts No.	Description	Re-marks
C541,542			CE04KW1H222M	ELECTRO	5
C543,544			C093FMG1H473J	MYLAR	5
C545,546			C093FMG1H822J	MYLAR	5
C547,548			C093FMG1H222J	MYLAR	5
C549,550			C093FMG1H471J	MYLAR	5
C553,554			C093FMG1H393J	MYLAR	5
C555,556			C093FMG1H104J	MYLAR	5
C557,558			C093FMG1H223J	MYLAR	5
C559,560			CE04KW1V100M	ELECTRO	5
C601-603			CK45FF1H103Z	CERAMIC	5
C604			CE04KW1H220M	ELECTRO	50WV
C605			CK45FF1H103Z	CERAMIC	Z
C606,607			CK45FF1H473Z	CERAMIC	Z
C701			CK45FF1H103Z	CERAMIC	Z
C702			CE04KW1V332M	ELECTRO	35WV
C703			CK45FF1H103Z	CERAMIC	0.010UF
C704			C093FMG1H104J	MYLAR	Z
C705			CE04KW1V100M	ELECTRO	35WV
C706			CE04KW1J471M	ELECTRO	10UF
C707			CE04KW1H100M	ELECTRO	470UF
C708			CK45FF1H103Z	CERAMIC	0.010UF
C709			CE04KW1V330M	ELECTRO	33UF
C710			CE04KW1A101M	ELECTRO	100UF
C711			C093FMG1H103J	MYLAR	0.010UF
C712-714			CK45FF1H103Z	CERAMIC	0.010UF
C715			CE04KW1H221M	ELECTRO	220UF
C716			CE04KW1J221M	ELECTRO	220UF
C717			CK45FF1H103Z	CERAMIC	0.010UF
C718			CE04KW1H471M	ELECTRO	470UF
C719,720			CF92FV1H124J	MFC	0.12UF
C721			CE04DW1E331M	ELECTRO	330UF
C722			CE04KW1E221M	ELECTRO	220UF
C723			CE04KW1E470M	ELECTRO	47UF
C724			CE04KW1H010M	ELECTRO	1.0UF
C725			CE04DW1C471M	ELECTRO	470UF
C726			CK45FB1H222K	CERAMIC	2200PF
C727			CE04KW1E101M	ELECTRO	100UF
C728			CK45FB1H102K	CERAMIC	1000PF
C729			CE04KW1V101M	ELECTRO	100UF
C730			C093FMG1H103J	MYLAR	0.010UF
C731-734			CC45FSL1H221J	CERAMIC	220PF
C735			CE04KW1V100M	ELECTRO	10UF
C736			C093FMG1H332J	MYLAR	3300PF
C737			CE04HW1HR47M	NPELEC	4.7UF
C738,739			CC45FSL1H221J	CERAMIC	2.20PF
C740,741			CK45FF1H103Z	CERAMIC	0.010UF
C742			C91-1488-05	MF	6800PF
C743			CE04KW1J470M	ELECTRO	47UF
C744			C91-1488-05	MF	6800PF
C745			CE04KW1H010M	ELECTRO	1.0UF
C746			CE04KW1V4R7M	ELECTRO	4.7UF
C747			C91-1488-05	MF	6800PF
C801,802			CE04KW1V4R7M	ELECTRO	4.7UF
C803,804			CK45FB1H102K	CERAMIC	1000PF
C805,806			CE04KW1V100M	ELECTRO	10UF

3

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Ref. No	Add-ress	New Parts	Parts No.	Description	Re-marks
C201,202			CE04KW1V4R7M	ELECTRO	35WV
C203,204			CE04KW1V100M	ELECTRO	35WV
C205,206			CC45FSL1H220J	CERAMIC	J
C207,208			C90-1854-05	ELECTRO	25WV
C209,210			CK45FB1H681K	CERAMIC	K
C211,212			CC45FSL2H221J	CERAMIC	220PF
C213,214			C093FMG1H223J	MYLAR	J
C301,302			C91-1434-05	FILM	0.022UF
C303,304			C91-1436-05	FILM	150PF
C305,306			CK45FB1H561K	CERAMIC	220PF
C307,308			C093FMG1H103J	MYLAR	0.010UF
C309,310			C093FMG1H153J	MYLAR	0.015UF
C311,312			C093FMG1H223J	MYLAR	0.022UF
C313			CE04KW1V100M	ELECTRO	10UF
C314,315			CE04KW1V4R7M	ELECTRO	4.7UF
C316			CE04KW1V100M	ELECTRO	10UF
C317			CE04KW1E470M	ELECTRO	47UF
C318			CC45FSL2H100D	CERAMIC	10PF
C319			C093HP2A682J	MYLAR	6800PF
C320			CE04KW1V470M	ELECTRO	47UF
C321			CE04KW1V100M	ELECTRO	10UF
C322			C093FMG1H183J	MYLAR	0.018UF
C323,324			C093FMG1H472J	MYLAR	4700PF
C325			C093FMG1H682J	MYLAR	6800PF
C326			C093FMG1H104J	MYLAR	0.10UF
C327			CE04KW1HR33M	ELECTRO	0.33UF
C328			CE04KW1E101M	ELECTRO	100UF
C401			CE04KW1V4R7M	ELECTRO	25WV
C402			CK45FF1H103Z	CERAMIC	35WV
C403,404			CK45FB1H102K	CERAMIC	0.010UF
C405-407			CE04KW1H010M	ELECTRO	1000PF
C408			CK45FB1H102K	CERAMIC	1.0UF
C409			C093FMG1H103J	MYLAR	0.010UF
C410			CK45FF1H103Z	CERAMIC	0.010UF
C411,412			CE04KW1V100M	ELECTRO	10UF
C413,414			CK45FB1H102K	CERAMIC	1000PF
C415,416			CE04KW1V100M	ELECTRO	K
C417,418			CC45FSL1H221J	CERAMIC	35WV
C503,504			C093FMG1H104J	MYLAR	10UF
C505-508			C093FMG1H182J	MYLAR	1800PF
C509,510			CE04KW1HR22M	ELECTRO	0.22UF
C511-514			C093FMG1H104J	MYLAR	0.10UF
C515,516			C093FMG1H223J	MYLAR	0.022UF
C517,518			CE04KW1HR22M	ELECTRO	0.22UF
C519,520			CE04KW1H010M	ELECTRO	1.0UF
C521,522			C093FMG1H393J	MYLAR	0.039UF
C523,524			C093FMG1H681J	MYLAR	6800PF
C525,526			C093FMG1H822J	MYLAR	8200PF
C527,528			CE04KW1HOR1M	ELECTRO	0.1UF
C529,530			CE04KW1HR47M	ELECTRO	0.47UF
C531,532			CE04KW1HR22M	ELECTRO	0.22UF
C533,534			CE04KW1HOR1M	ELECTRO	0.1UF
C535,536			CE04KW1V100M	ELECTRO	50WV
C537,538			CE04KW1HR47M	ELECTRO	10UF
C539,540			CE04KW1HOR1M	ELECTRO	0.1UF

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5

Ref. No	Add-ress	New Parts	Parts No.	Description	Desig-nation	Re-marks
C807			CE04KW1E470M	ELECTRO		
C808			CE04KW1C220M	ELECTRO	25WV	
C809			CE04KW1H010M	ELECTRO	18WV	
C901			CE04KW1H010M	ELECTRO	50WV	
C902			CK45FF1H103Z	CERAMIC		
C903			CO93FMG1H104J	MY_LAR	J	
C904			CE04KW1V4R7M	ELECTRO	35WV	
C905			CE04KW1H010M	ELECTRO	50WV	
C906			C90-1826-05	BACKUP-C	5.5WV	
C907			CK45FF1H223Z	CERAMIC	Z	
C908			CE04KW1A101M	ELECTRO	10WV	
C909			CK45FF1H223Z	CERAMIC	Z	
C910			CE04KW1V100M	ELECTRO	35WV	
C911			CO93FMG1H102J	MY_LAR	J	
C912			CK45FB1H102K	CERAMIC	1000PF	
C913			CE04KW1C331M	ELECTRO	330UF	16WV
C914			CE04KW1A101M	ELECTRO	100UF	10WV
C915			CE04KW1H010M	ELECTRO	1.0UF	50WV
C916			CE04KW1V470M	ELECTRO	47UF	35WV
C917			CE04KW0J222M	ELECTRO	2200UF	6.3WV
CNT1			E40-3249-05	PIN ASSY		
CNT10			E40-4293-05	FLAT CABLE CONNECTOR		
CN31			E40-3246-05	PIN ASSY		
CN61			E40-3250-05	PIN ASSY		
CN71			E40-4632-05	PIN ASSY		
CN72			E40-4245-05	PIN ASSY		
CN73			E40-4244-05	SOCKET FOR PIN ASSY		
CN74			E40-4234-05	FLAT CABLE CONNECTOR		
CN75			E40-4030-05	FLAT CABLE CONNECTOR		
CN76			E40-4428-05	PIN ASSY		
J41			E63-0136-15	PHONO JACK		
J51			E11-0188-05	MINIATURE PHONE JACK(2P)		
J51			E11-0272-05	PHONE JACK		
L11, 12			L79-0791-05	LC FILTER		
L21, 22			L40-1035-29	SMALL FIXED INDUCTOR(10MH, J)		
L31, 32			L32-0547-05	BIAS OSCILLATING COIL		
L33			L32-0533-05	BIAS OSCILLATING COIL		
X1			L78-0290-05	RESONATOR (8MHZ)		
R20			RD14NB2E102J	RD	1.0K	1/4W
R305			R92-0508-05	FUSE RESIST	22	G
R309, 310			RD14NB2E220J	RD	22	1/4W
R311			R92-0219-05	FUSE RESIST	10	G
R317			RD14NB2E182J	RD	1.8K	1/4W
R412			RD14NB2E100J	RD	10	J
R610			RS14KB3D100J	FL-PROOF RS	10	J
R615			RS14KB3D100J	FL-PROOF RS	10	J
R701			RS14KB3D391J	FL-PROOF RS	390	J
R702			RD14NB2E332J	RD	3.3K	J
R712, 713			R92-0265-05	FUSE RESIST	5.6	J
R714, 715			R92-0341-05	FUSE RESIST	4.7	J
R763			R92-0341-05	FUSE RESIST	4.7	J
R901			R92-0508-05	FUSE RESIST	22	G
VRT, 2			R12-0606-05	TRIMMING POT.(330)		
VR11, 12			R12-3686-05	TRIMMING POT.(22K)		
VR13, 14			R12-6663-05	TRIMMING POT.(330K)		

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6

Ref. No	Add-ress	New Parts	Parts No.	Description	Desig-nation	Re-marks
VR15			R12-1618-05	TRIMMING POT.(3.3K)		
VR16			R31-0061-05	VARIABLE RESISTOR		
VR17			R31-0060-05	VARIABLE RESISTOR		
K1			S76-0027-05	MAGNETIC RELAY		
S1-14			S70-0031-05	TACT SWITCH		
S15			S62-0001-05	SLIDE SWITCH		
S16			S40-1153-05	PUSH SWITCH		
D1			HZS10N(B2)	ZENER DIODE	M	
D2			RD10ES(B2)	ZENER DIODE		
D2,3			HSS104	DIODE		
D2,3			HSS133	DIODE		
D21-24			HSS104	DIODE		
D21-24			1SS133	DIODE		
D31			1SS133	DIODE		
D101, 102			1SS133	DIODE		
D101, 102			1SS133	DIODE		
D501-514			HSS104A	DIODE		
D501-514			1SS131	DIODE		
D601, 602			HSS104A	DIODE		
D601, 602			1SS131	DIODE		
D701			D3SBAZ0F03	DIODE		
D701			RBV-402LFA	DIODE		
D702			S5688B	DIODE		
D703			1SR139-100	DIODE		
D703			HZS4.7N(B)	ZENER DIODE		
D703			RD4.7ES(B)	ZENER DIODE		
D704			HZS2.7N(B)	ZENER DIODE		
D704			RD2.7ES(B)	ZENER DIODE		
D705			HZS3.3N(B)	ZENER DIODE		
D705			RD3.3ES(B)	ZENER DIODE		
D706			HSS104	DIODE		
D706			1SS133	DIODE		
D707-709			S5688B	DIODE		
D707-709			1SR139-100	DIODE		
D710, 711			HSS104A	DIODE		
D710, 711			1SS131	DIODE		
D712-715			S5688B	DIODE		
D712-715			1SR139-100	DIODE		
D716			HZS18N(B)	ZENER DIODE		
D716			RD18ES(B)	ZENER DIODE		
D717			HZS5.1S(B2)	ZENER DIODE		
D717			RD5.1JS(B2)	ZENER DIODE		
D718, 719			HSS104A	DIODE		
D718, 719			1SS131	DIODE		
D720-730			HSS104	DIODE		
D720-730			1SS133	DIODE		
D731-732			HSS104A	DIODE		
D731-732			1SS131	DIODE		
D733			HSS104A	DIODE		
D733			1SS131	DIODE		
D734			S5688B	DIODE		
D734			1SR139-100	DIODE		
D734			HZS6.8N(B2)	ZENER DIODE		

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## PARTS LIST

8  
 \* New Parts  
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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q81,82			2SD1450(S,T)	TRANSISTOR		
Q91			2SC2458(Y,GR)	TRANSISTOR		
O701			2SC3311A(Q,R)	TRANSISTOR		
O701			2SB1370	TRANSISTOR		
O701			2SB1375	TRANSISTOR		
O702			2SA1048(Y,GR)	TRANSISTOR		
O702			2SA1309A(Q,R)	TRANSISTOR		
O705,706			2SC2458(Y,GR)	TRANSISTOR		
O705,706			2SC3311A(Q,R)	TRANSISTOR		
O707			DTC124ES	DIGITAL TRANSISTOR		
O707			UN4212	TRANSISTOR		
O708			2SC3944A	TRANSISTOR		
O709,710			D7A143TS	DIGITAL TRANSISTOR		
O709,710			UN4116	TRANSISTOR		
O711-714			DTC124ES	DIGITAL TRANSISTOR		
O715			UN4212	TRANSISTOR		
O715			DTA143TS	DIGITAL TRANSISTOR		
O715			UN4116	TRANSISTOR		
401	2A		D03-0294-08	REEL BASE ASSY		
<b>MECHANISM ASSY (D40-1460-15)</b>						
402	2A		D03-0409-08	REEL BASE ASSY		
403	2A		D14-0377-08	PINCH ROLLER(R)		
BM	1B		D16-0701-08	MAIN BELT		
407	2A		J21-6366-08	PLATE HD ASSY		
408	1C		J26-0035-08	PCB CONTROL ASSY		
411	2A		N19-0298-05	POLY WASHER		
EH	2A		T32-0329-08	ERASE HEAD		
LM	1B		T42-0842-08	MAIN MOTOR ASSY		
RM	1B		T42-0534-08	REEL MOTOR		
RPH	2A		T34-0348-08	R/P HEADIMS15R-AA4N1)		

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7  
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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D735			RD6.8ES(B2)	ZENER DIODE		
D736			HZS6.2N(B2)	ZENER DIODE		
D801,802			RD6.2ES(B2)	ZENER DIODE		
D801,802			HSS104	DIODE		
D801,802			1SS133	DIODE		
D901-906			HSS104	DIODE		
D901-906			1SS133	DIODE		
D907			HZS3.9N(B)	ZENER DIODE		
D907			RD3.9ES(B)	ZENER DIODE		
D908			HSS104	DIODE		
D908			1SS133	DIODE		
D909			HZS6.8N(B2)	ZENER DIODE		
D909			RD6.8ES(B2)	ZENER DIODE		
D910			HSS104	DIODE		
D910			1SS133	DIODE		
ED1			BJZ48GK	INDICATOR TUBE		
IC1			TA8125S	IC(2CH PRE AMP)		
IC11			CXA1797Q	ANALOGUE IC		
IC21			NUM4560D-N	IC(OP AMP X2)		
IC31			UPC1297CA	IC(DOL HX PRO SYSTEM)		
IC41			NUM4565D-D	IC(OP AMP X2)		
IC51,52			BA11917S	ANALOGUE IC		
IC61			BA110393N	IC(DUAL COMPARATOR)		
IC62,63			BA6209	IC(MOTOR DRIVER)		
IC71			BA17812T	IC(VOLTAGE REGULATOR/ +12V)		
IC71			UPC7812AHF	IC(VOLTAGE REGULATOR/ +12V)		
IC72			UPC7818AHF	IC(VOLTAGE REGULATOR/ +18V)		
IC73			HPD643373D69F	MI-COM IC		
IC81		*	NUM4565D	IC(OP AMP X2)		
IC81			TA78057S	IC(VOLTAGE REGULATOR/+5.75V)		
IC92			PST993D-T	ANALOGUE IC		
O1,2			2SC2458(Y,GR)	TRANSISTOR		
O1,2			2SC3311A(Q,R)	TRANSISTOR		
O3,4			DTC124ES	DIGITAL TRANSISTOR		
O3,4			UN4212	TRANSISTOR		
O5			2SC2458(Y,GR)	TRANSISTOR		
O5			2SC3311A(Q,R)	TRANSISTOR		
O11-16			DTC124ES	DIGITAL TRANSISTOR		
O11-16			UN4212	TRANSISTOR		
O21,22			2SD1450(S,T)	TRANSISTOR		
O23,24			DTC124ES	DIGITAL TRANSISTOR		
O23,24			UN4212	TRANSISTOR		
O31,32			2SC2458(Y,GR)	TRANSISTOR		
O31,32			2SC3311A(Q,R)	TRANSISTOR		
O33			2SC3940A(R,S)	TRANSISTOR		
O34-36			DTC124ES	DIGITAL TRANSISTOR		
O34-36			UN4212	TRANSISTOR		
O37			2SA1534A(R,S)	TRANSISTOR		
O41,42			2SC2878(B)	TRANSISTOR		
O41,42			2SD1450(S,T)	TRANSISTOR		
O61,62			2SC3666	TRANSISTOR		
O63			DTC113ZS	DIGITAL TRANSISTOR		
O63			UN4219	TRANSISTOR		
O81,82			2SC2878(B)	TRANSISTOR		

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# KX-3080/5080S

## SPECIFICATIONS

### [ MODEL : KX-5080S ]

Track System ..... 4-track, 2-channel stereo  
Recording System ..... AC bias (Frequency : 105 kHz)  
Heads  
Playback / recording head ..... 1  
Erasing head ..... 1  
Motors ..... DC motor x 2  
Fast Winding Time ..... Approx. 90 seconds (C-60 tape)  
Frequency Response:  
TYPE I Tape ..... 20 Hz to 18,000 Hz,  $\pm 3$  dB  
TYPE II Tape ..... 20 Hz to 18,000 Hz,  $\pm 3$  dB  
TYPE IV Tape ..... 20 Hz to 19,000 Hz,  $\pm 3$  dB  
Signal-to Noise Ratio:  
Dolby NR OFF ..... 56 dB  
(IEC, 250 nWb/m, TYPE IV tape)  
Dolby NR OFF ..... 59 dB (TYPE IV tape)  
Dolby S NR ON ..... 80 dB (TYPE IV tape)  
Dolby B NR ON ..... 67 dB (TYPE IV tape)  
Dolby C NR ON ..... 74 dB (TYPE IV tape)  
(3rd H.D., 3%, TYPE IV tape)  
Harmonic Distortion ..... Less than 1.7 %  
(at 315 Hz, 3rd H.D., 250nWb/m, TYPE IV tape)  
Wow and Flutter .....  $\pm 0.19$  % (DIN)  
0.07 % (W.R.M.S)  
Input sensitivity / Impedance:  
LINE IN ..... 100 mV / 34 k $\Omega$   
Output Level / Impedance:  
LINE OUT ..... 775 mV / 1 k $\Omega$   
Headphones ..... 0.5 mW / 32  $\Omega$

#### [GENERAL]

Power Consumption ..... 30 W  
Dimensions ..... W : 440 mm (17-5 / 16")  
H : 124 mm (4-7 / 8")  
D : 374 mm (14-3 / 4")  
Weight (Net) ..... 4.6 kg (10.1 lb)

### [ MODEL : KX-3080 ]

Track System ..... 4-track, 2-channel stereo  
Recording System ..... AC bias (Frequency : 105 kHz)  
Heads  
Playback / recording head ..... 1  
Erasing head ..... 1  
Motors ..... DC motor x 2  
Fast Winding Time ..... Approx. 90 seconds (C-60 tape)  
Frequency Response:  
TYPE I Tape ..... 20 Hz to 18,000 Hz,  $\pm 3$  dB  
TYPE II Tape ..... 20 Hz to 18,000 Hz,  $\pm 3$  dB  
TYPE IV Tape ..... 20 Hz to 19,000 Hz,  $\pm 3$  dB  
Signal-to Noise Ratio:  
Dolby NR OFF ..... 56 dB  
(IEC, 250 nWb/m, TYPE IV tape)  
Dolby NR OFF ..... 59 dB (TYPE IV tape)  
Dolby B NR ON ..... 67 dB (TYPE IV tape)  
Dolby C NR ON ..... 74 dB (TYPE IV tape)  
(3rd H.D., 3%, TYPE IV tape)  
Harmonic Distortion ..... Less than 1.7 %  
(at 315 Hz, 3rd H.D., 250nWb/m, TYPE IV tape)  
Wow and Flutter .....  $\pm 0.19$  % (DIN)  
0.07 % (W.R.M.S)  
Input sensitivity / Impedance:  
LINE IN ..... 100 mV / 34 k $\Omega$   
Output Level / Impedance:  
LINE OUT ..... 775 mV / 1 k $\Omega$   
Headphones ..... 0.5 mW / 32  $\Omega$

#### [GENERAL]

Power Consumption ..... 30 W  
Dimensions ..... W : 440 mm (17-5 / 16")  
H : 124 mm (4-7 / 8")  
D : 374 mm (14-3 / 4")  
Weight (Net) ..... 4.6 kg (10.1 lb)

# KX-3080/5080S

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

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**Note:**

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the General market(M) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

## **KENWOOD CORPORATION**

14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150 Japan

### **KENWOOD SERVICE CORPORATION**

P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

### **KENWOOD ELECTRONICS CANADA INC.**

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

### **KENWOOD ELECTRONICS LATIN AMERICA S.A.**

P.O BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama

### **TRIO-KENWOOD U.K. LIMITED**

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

### **KENWOOD ELECTRONICS BENELUX N.V.**

Meachelsesteenweg 418, B-1930 Zaventem, Belgium

### **KENWOOD ELECTRONICS DEUTSCHLAND GMBH**

Rembrücker Str. 15, 63150 Heusenstamm, Germany

### **TRIO-KENWOOD FRANCE S.A.**

13 Boulevard Ney, 75018 Paris, France

### **KENWOOD ELECTRONICS ITALIA S.p.A.**

Via G. Sirtori, 7/9 20129, Milano, Italy

### **KENWOOD IBÉRICA S.A.**

Bolivia, 239-08020 Barcelona, Spain

### **KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001499 074)**

P.O Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

### **KENWOOD & LEE ELECTRONICS, LTD.**

Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

### **KENWOOD ELECTRONICS SINGAPORE PTE LTD.**

No. 1 Genting Lane # 07-00, KENWOOD Building, Singapore, 349544

### **KENWOOD ELECTRONICS (MALAYSIA) SDN BHD**

10th Floor, Block B, Wisma Semantan, No. 12 Jalan Gelenggang, Bukit Damansara, 50490 Kuala Lumpur, Malaysia