

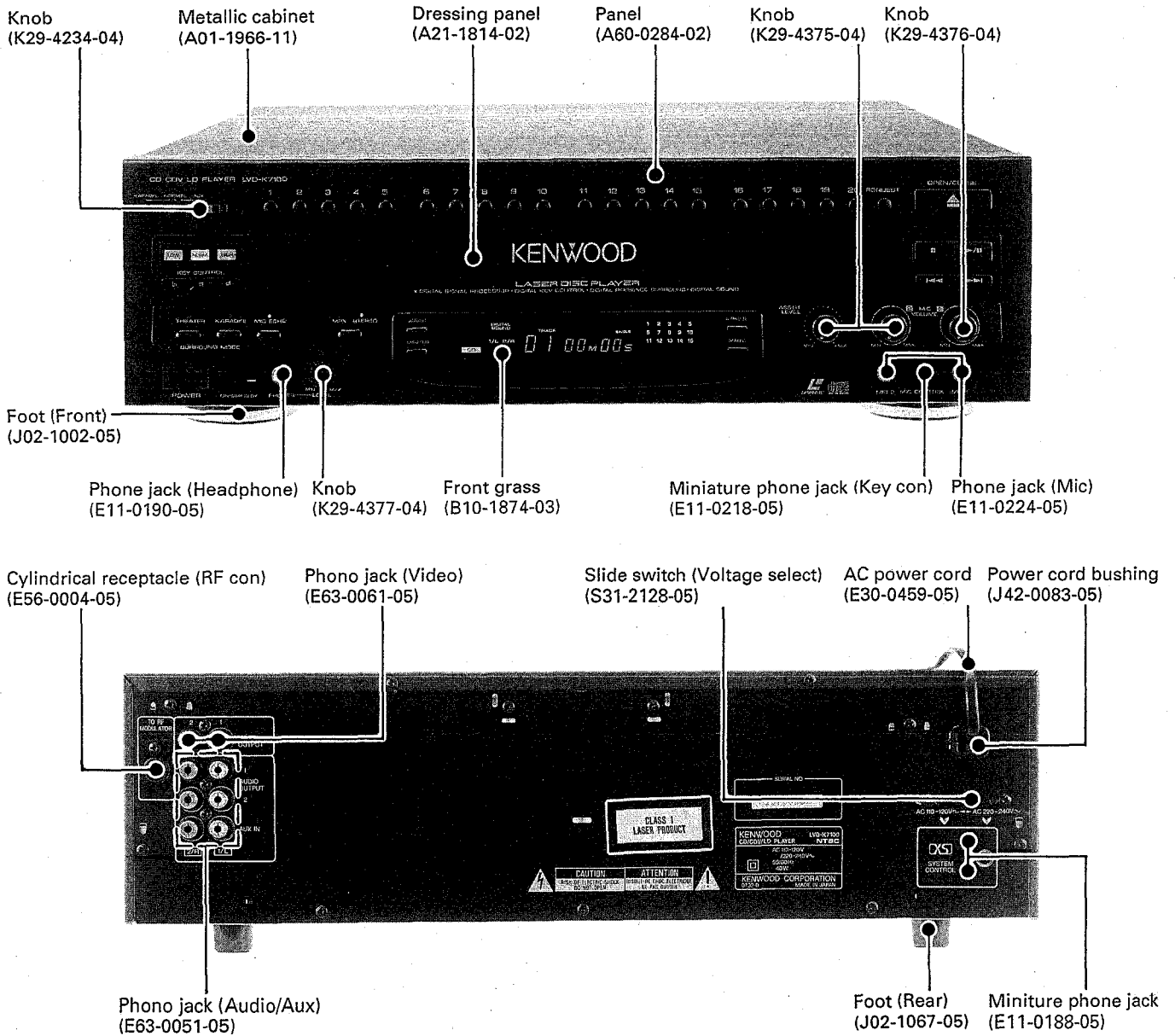
CD CDV LD PLAYER

LVD-K7100

SERVICE MANUAL

KENWOOD

© 1992-9 PRINTED IN JAPAN
B51-4657-00(O) 303



In compliance with Federal regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

NOTE : Refer to LVD-V7/310 service manual (B51-4409-00), if you want to know more information of Semiconductor description and Mechanism description, and you need the Mechanism PC board pattern view (X25-4460-00).

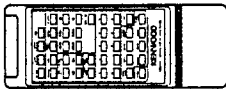




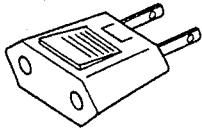
LVD-K7100

CONTENTS/ACCESSORIES

CONTENTS

ACCESSORIES	2
CONTROL	3
REMOTE CONTROL OPERATION	4
DISASSEMBLY FOR REPAIR	5
BLOCK DIAGRAM	7
CIRCUIT DESCRIPTION	
1. Microprocessor : M37450M8-492SP (IC68 X32-2010)	11
2. Sub-microprocessor : μ PD75217CW-164 (IC301 X25-5010)	13
3. LED Driver : CX-7991 (IC302 X25-5010)	15
4. Analog Processor : TC9163N (IC10 X25-5010)	16
5. Vocal Assist Circuit Description	27
ADJUSTMENT	18, 20, 22, 23, 24, 25
REGLAGE	19, 21, 22, 24
ABGLEICH	19, 21, 22, 24
WIRING DIAGRAM	26
PC BOARD (COMPONENT SIDE VIEW)	27
SCHEMATIC DIAGRAM	31
EXPLODED VIEW (MECHANISM)	51
EXPLODED VIEW (UNIT)	52
PARTS LIST	54
SPECIFICATIONS	BACK COVER

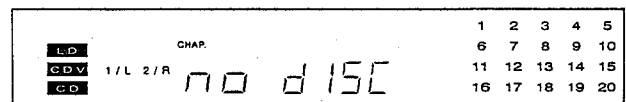
ACCESSORIES

<ul style="list-style-type: none"> • Remote control unit 1 (A70-0555-05) 	<ul style="list-style-type: none"> • Audio cord 1 (E30-0505-05) 	<ul style="list-style-type: none"> • Video cord 1 (E30-1427-05) 
<ul style="list-style-type: none"> • Cord with plug 1 (E30-0977-05) 	<ul style="list-style-type: none"> • Battery ("AA" or "A6") 2 (-) 	<ul style="list-style-type: none"> • AC plug adaptor 1 (E03-0115-05) 

Note related to transportation and movement

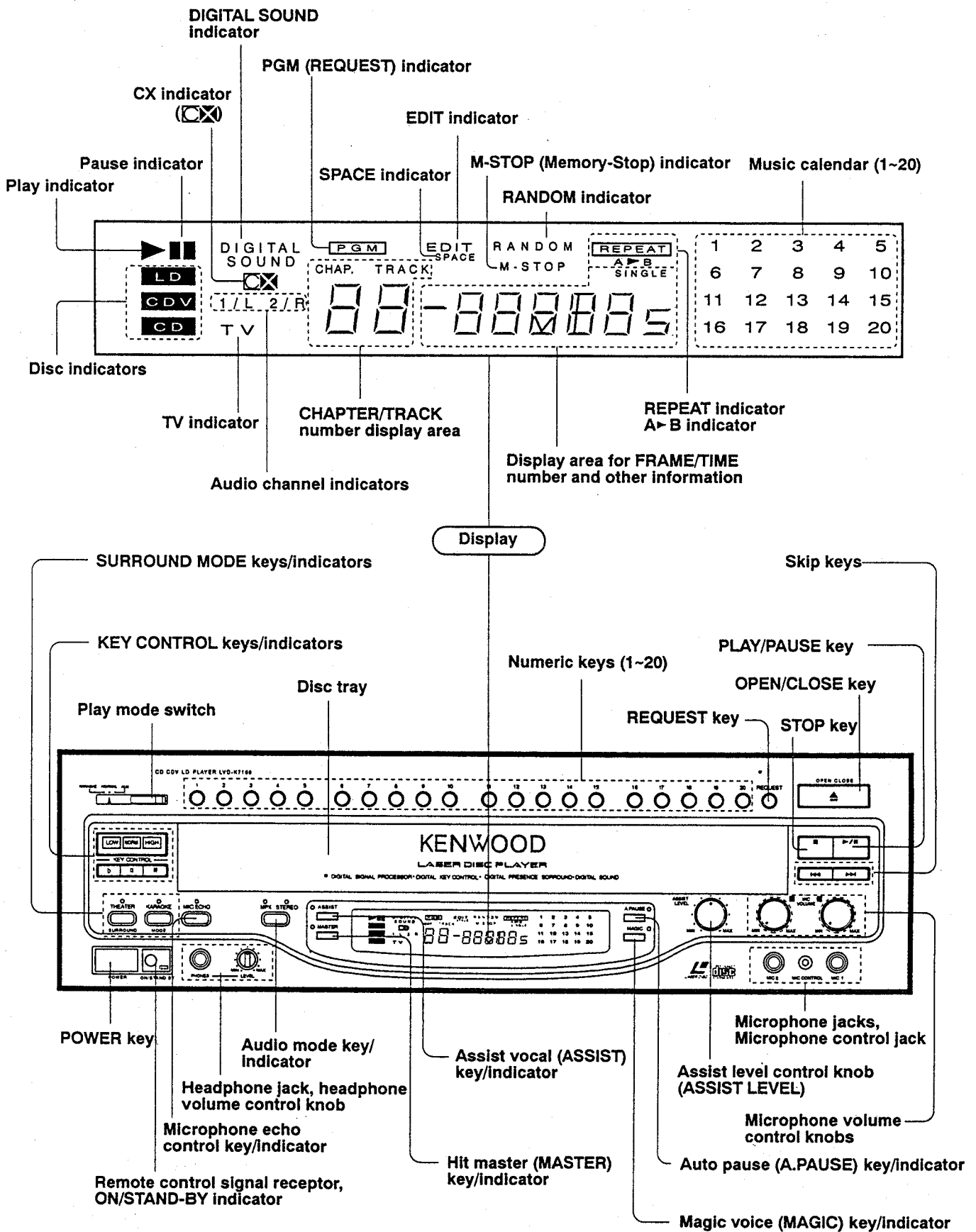
Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.
2. Wait a few seconds and verify that the display shown appears.
3. Turn the power OFF.



LVD-K7100

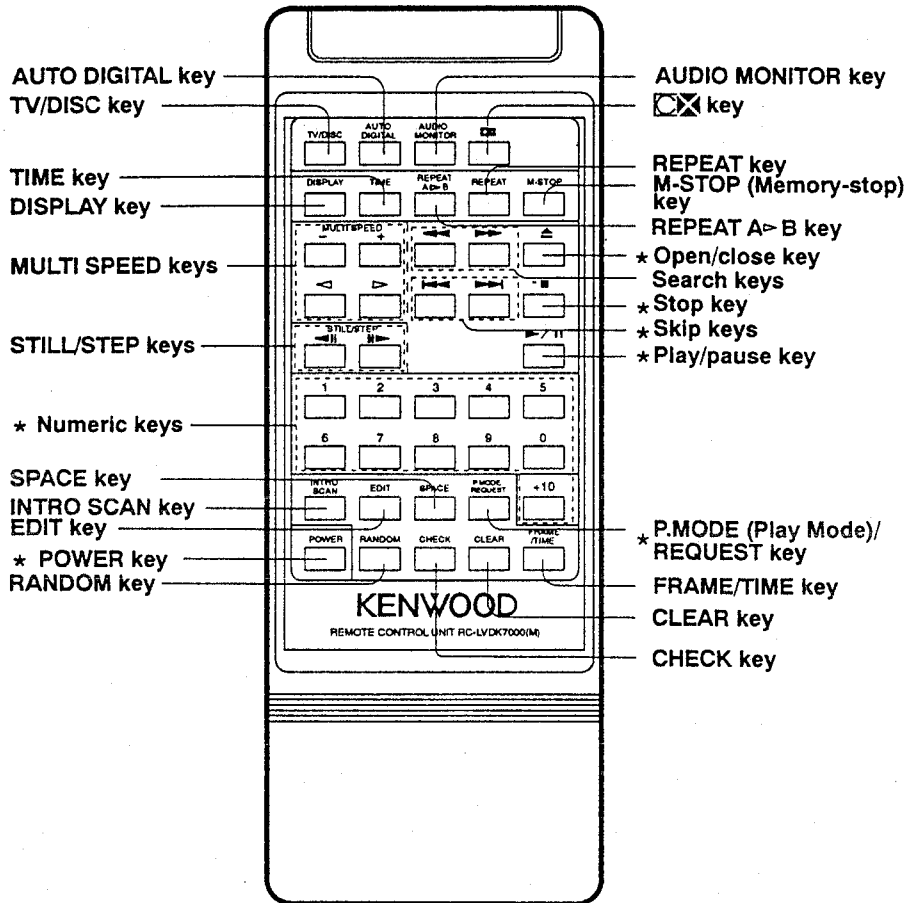
CONTROLS



LVD-K7100

REMOTE CONTROL OPERATION

Keys marked with an asterisk (*) are also provided on the main unit.

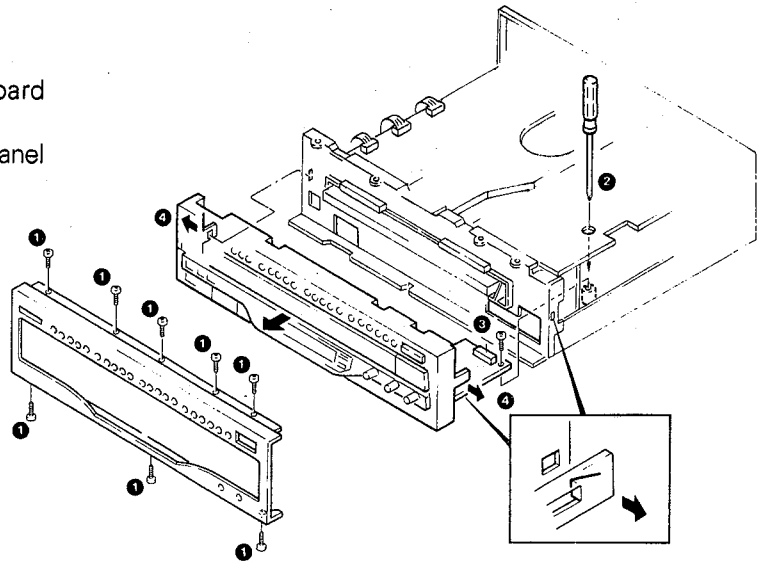


Model name: RC-LVDK7000
Transmission system:
Infrared pluse system

DISASSEMBLY FOR REPAIR

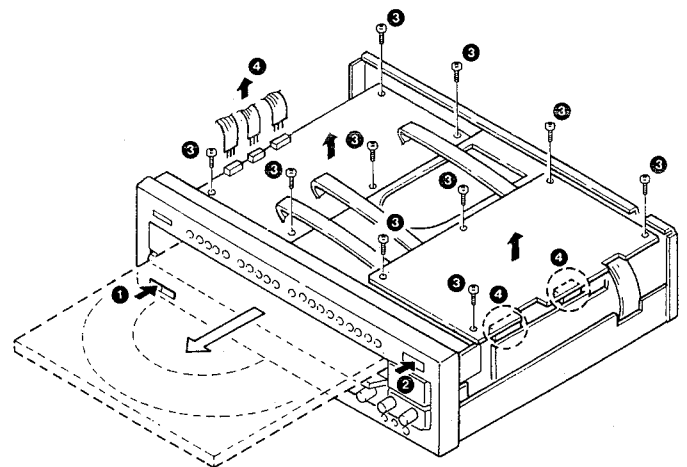
1. How to Remove Front Panel Assy

1. Remove 8 screws (1) and the panel.
2. Insert the screw driver into the hole of pc board (2) and remove the screw (3).
3. Remove both side of the catches (4) and the panel assy.

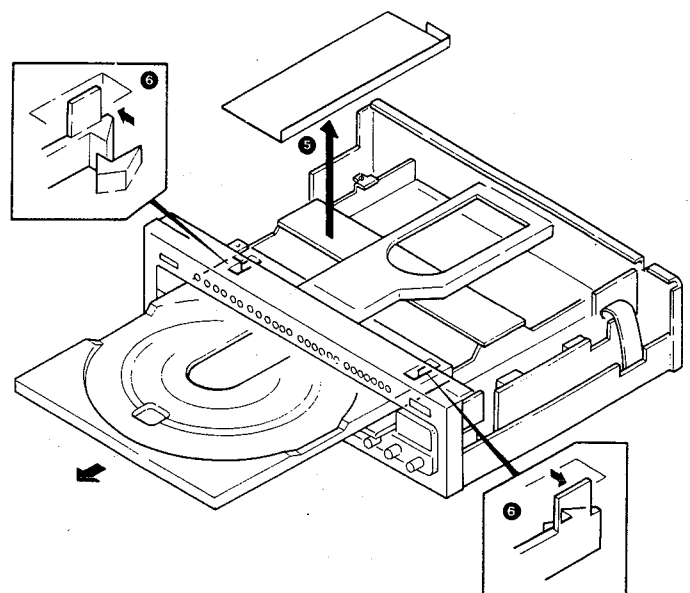


2. How to Disassemble PC boards and Tray.

1. Turn power switch ON (1). Next push tray-open switch (2) and the tray comes out.
2. Pull out the ac power cord. Remove 10 screws (3).
3. Remove 4 connectors (4).
4. Remove pc boards ass'y.



5. Remove 2 push rivets (5) and the shield plate.
6. Remove 2 hook of tray (6).

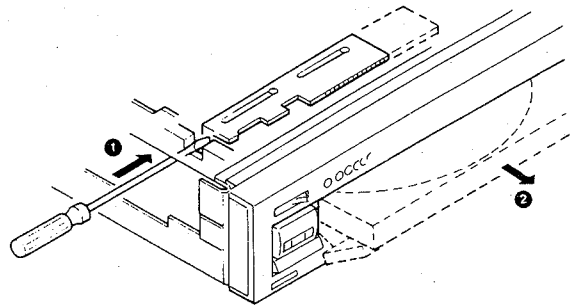


LVD-K7100

DISASSEMBLY FOR REPAIR

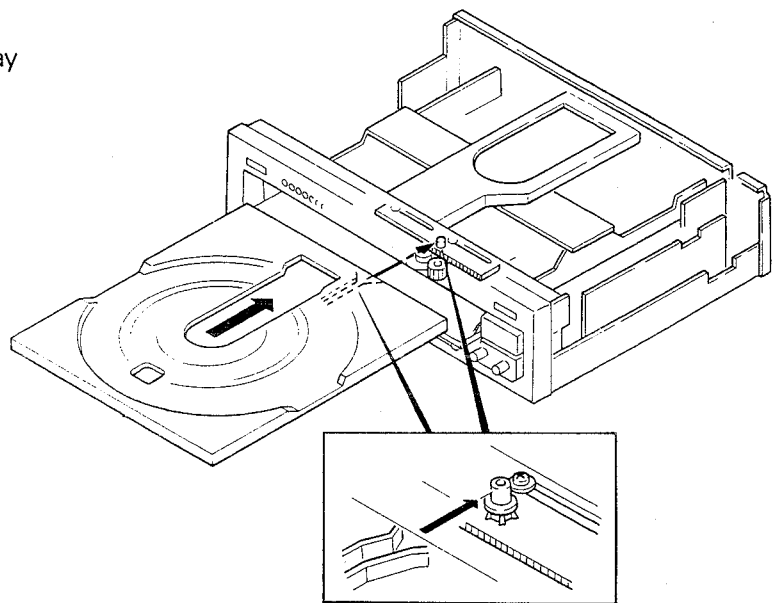
3. How to Pull Tray Out by Hands

1. Insert the screw driver into left side slit of mechanism ass'y (❶).
2. Pull out the tray frontwards by hand (❷).



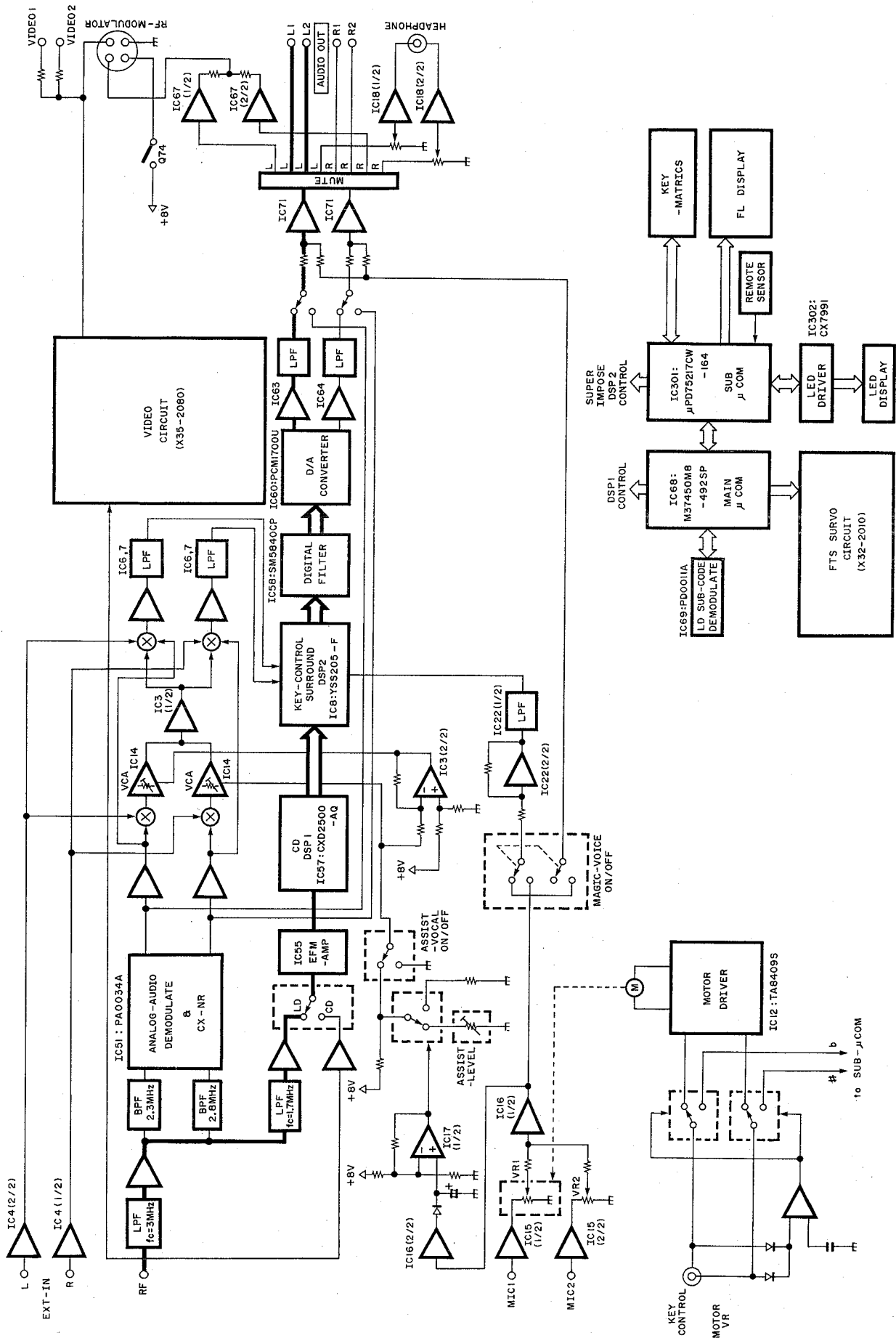
4. How to Mount Tray

Meet the slider boss with the groove of the tray



LVD-K7100

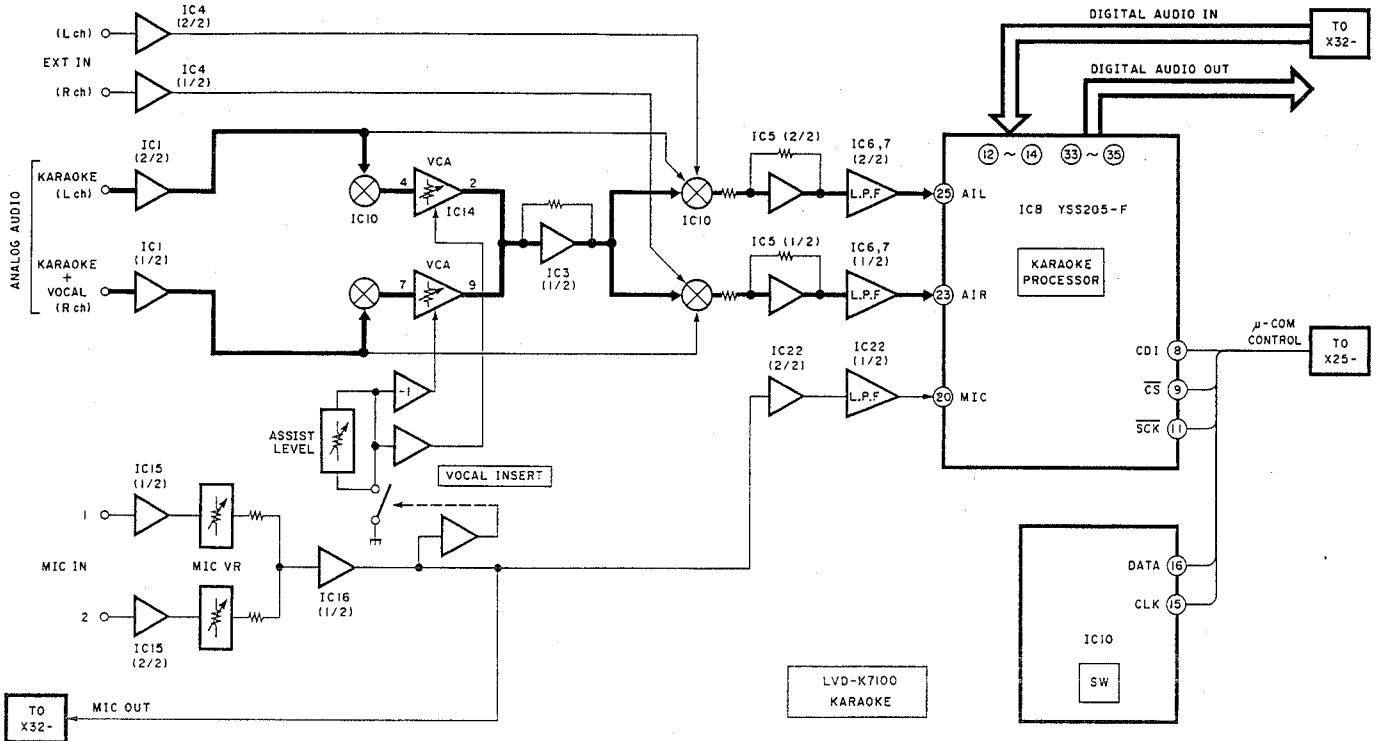
BLOCK DIAGRAM



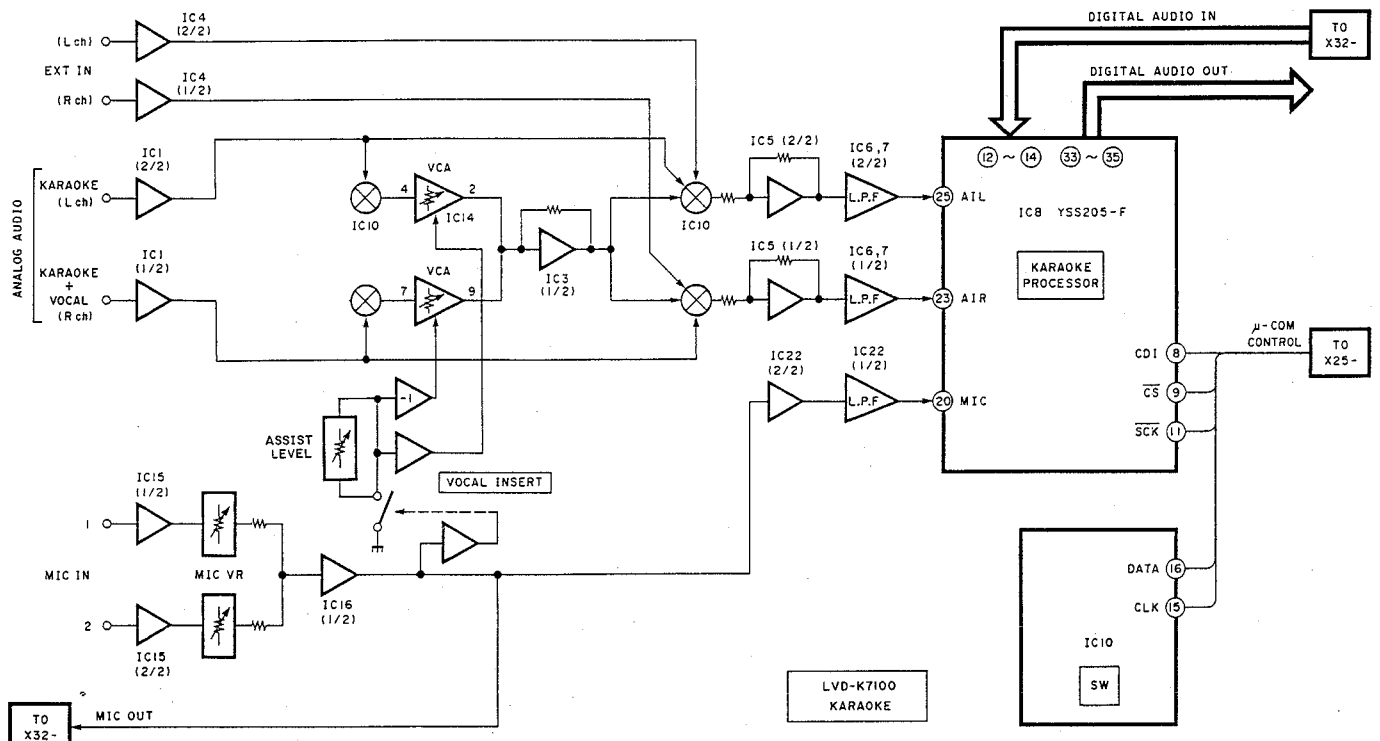
LVD-K7100

BLOCK DIAGRAM

1. HiFi MPX mode



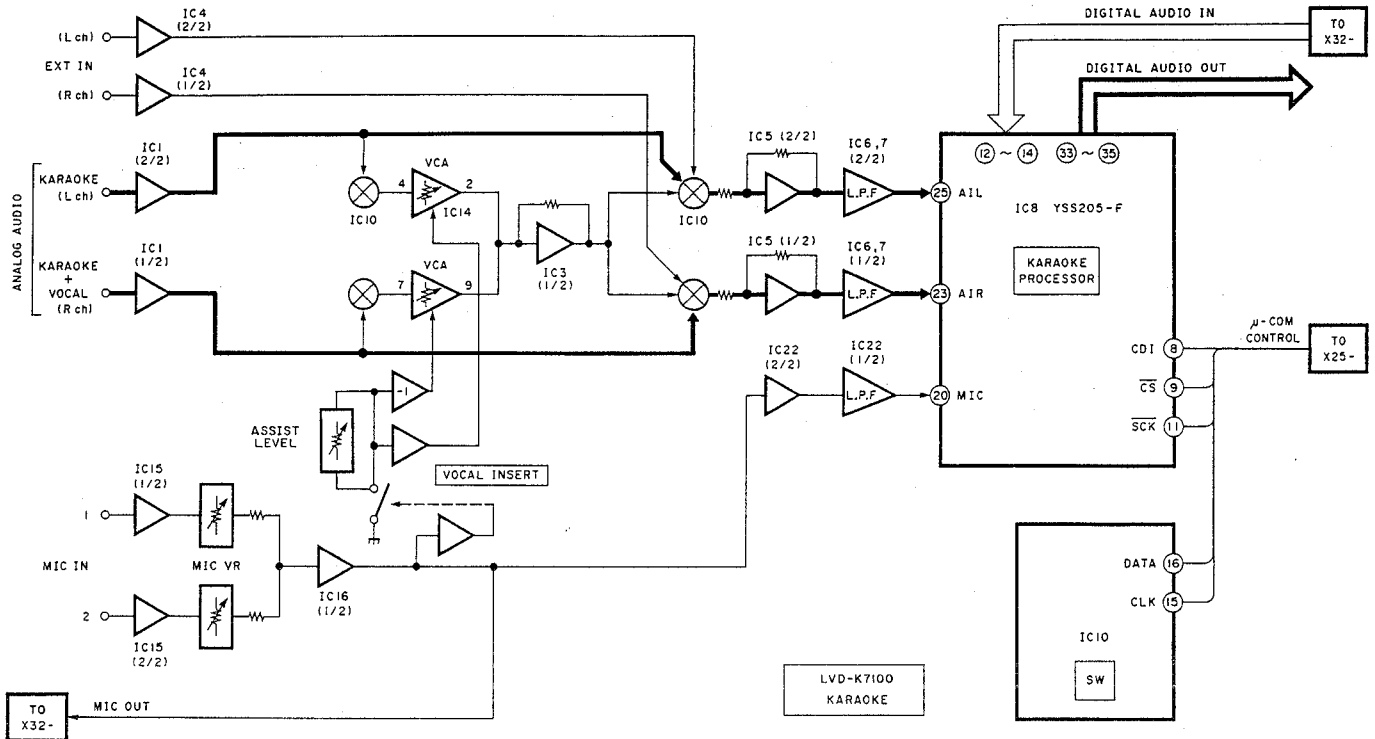
2. Stereo mode (Digital)



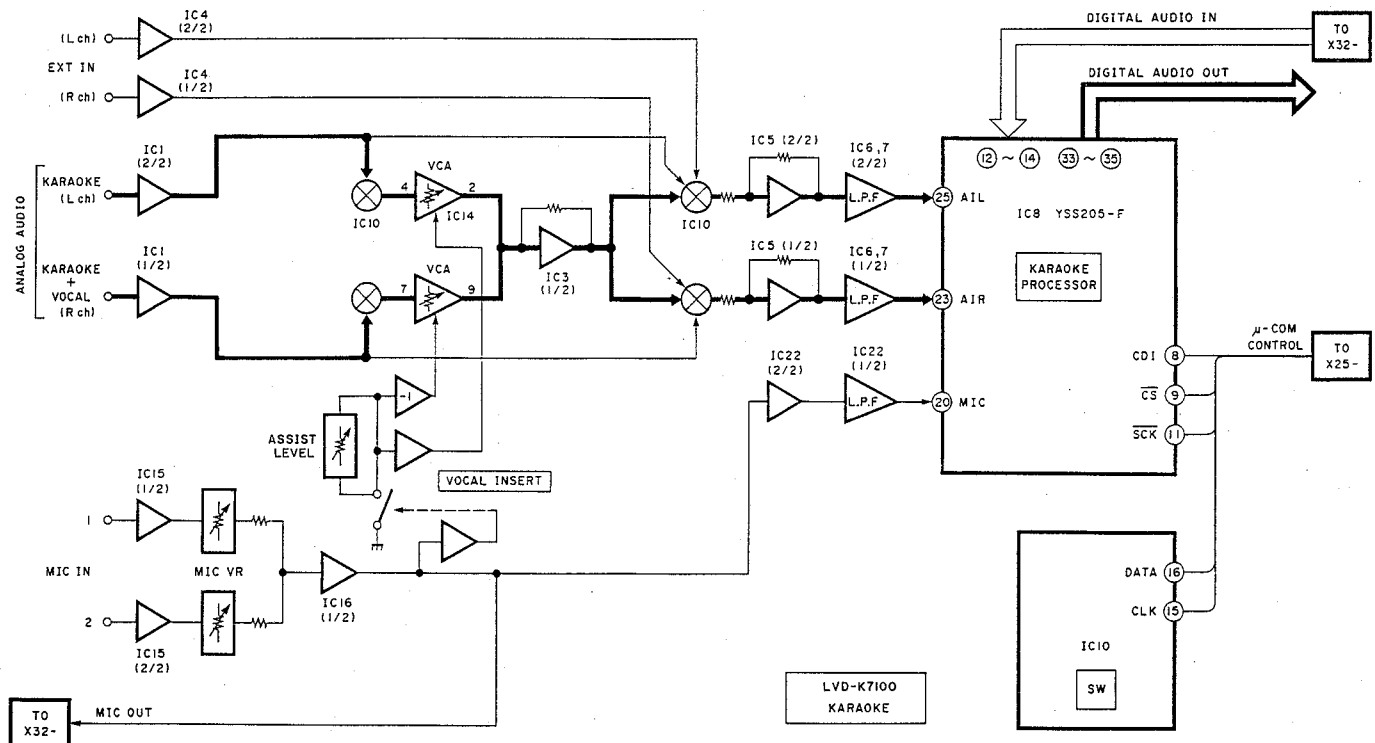
LVD-K7100

BLOCK DIAGRAM

3. Stereo mode (Analog)



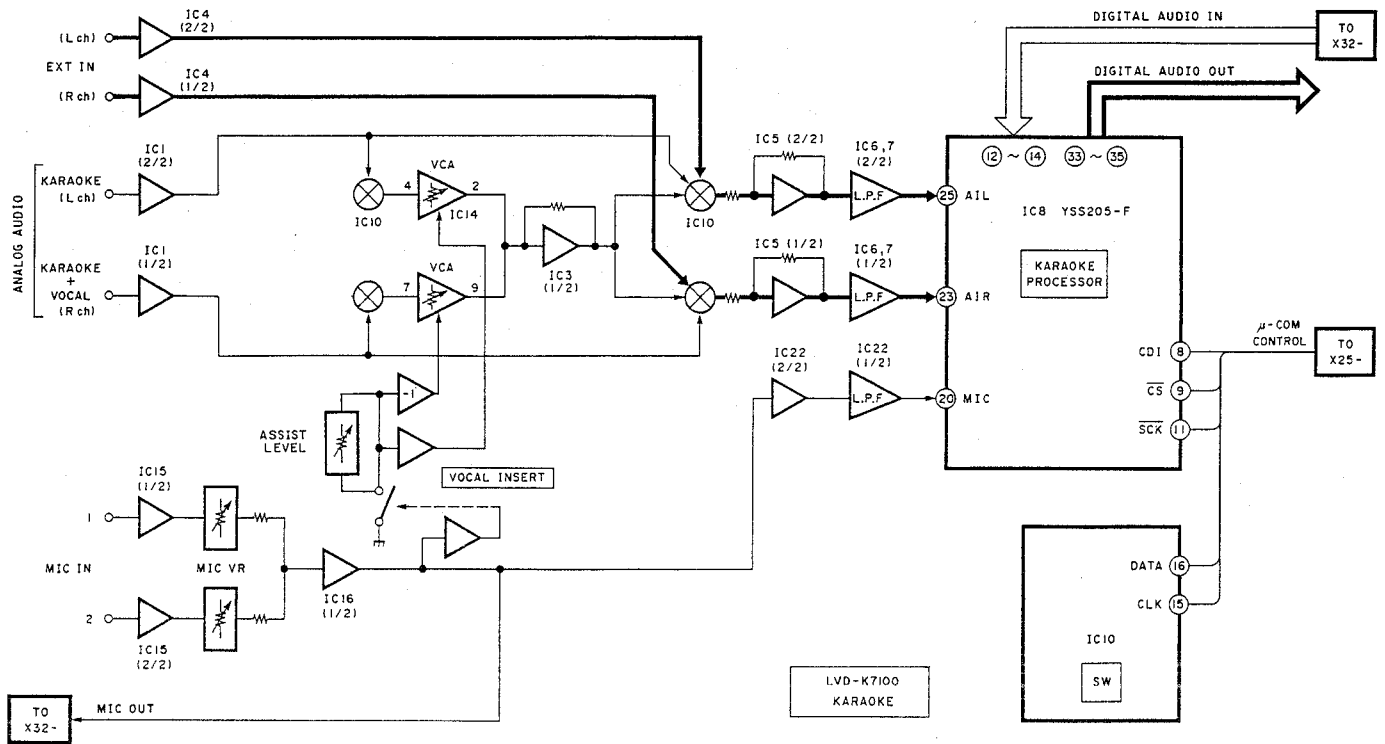
4. MPX mode



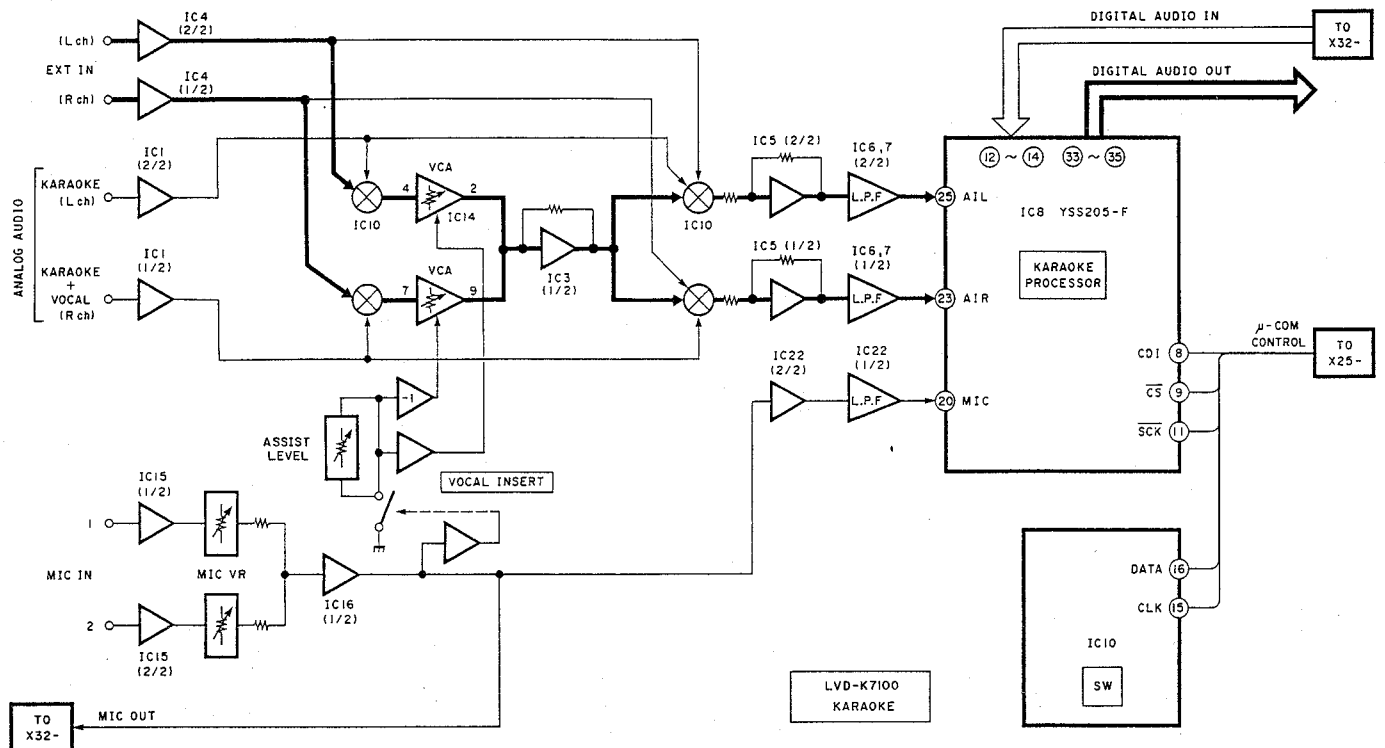
LVD-K7100

BLOCK DIAGRAM

5. External stereo mode



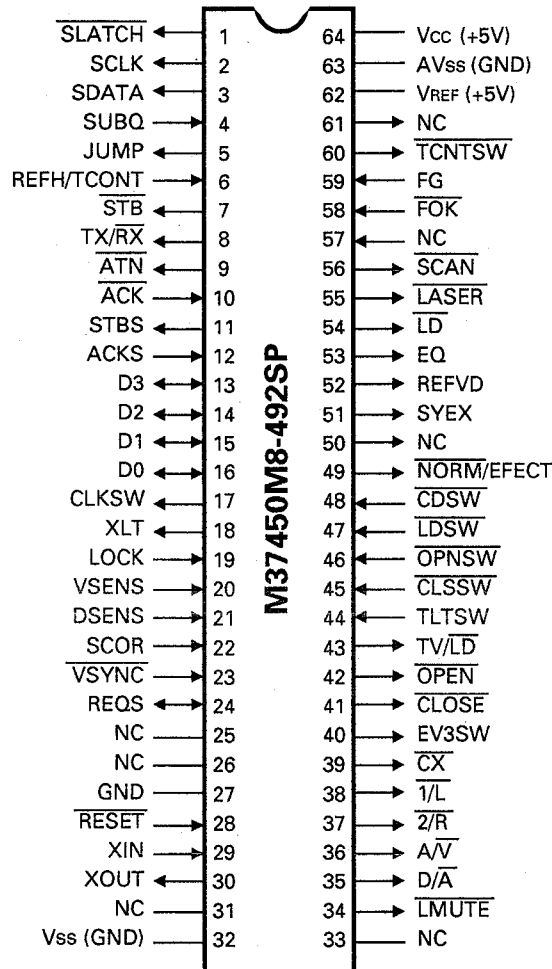
6. External MPX mode



CIRCUIT DESCRIPTION

1. Main Microprocessor : M37450M8-492SP (IC68 : X32-2010)

1-1. Pin connection



1-2. Pin function

Ref No.	Name	I/O	Function
1	SLATCH	O	Latch output to FTS IC
2	SCLK	O	Clock output for FTS / CD IC
3	SDATA	O	Data output for FTS / CD IC
4	SUBQ	I	Q data input
5	JUMP	O	One-track jump pulse output
6	REFH/TCONT	I	Event counter for REFH / TCON
7	STB	O	PD0011(data decoder) strobe output
8	TX/RX	O	PD0011(data decoder) transmit / receive selection output
9	ATN	O	PD0011(data decoder) attention output
10	ACK	I	PD0011(data decoder) acknowledge input
11	STBS	O	Sub-microprocessor strobe output
12	ACKS	I	Sub-microprocessor acknowledge input
13~16	D3~0	I/O	Data bus
17	CLKSW	O	SCLK selection output
18	XLT	O	CD IC latch output
19	LOCK	I	Frame sync lock detection input
20	VSENS	I	HD49403NT sense input

LVD-K7100

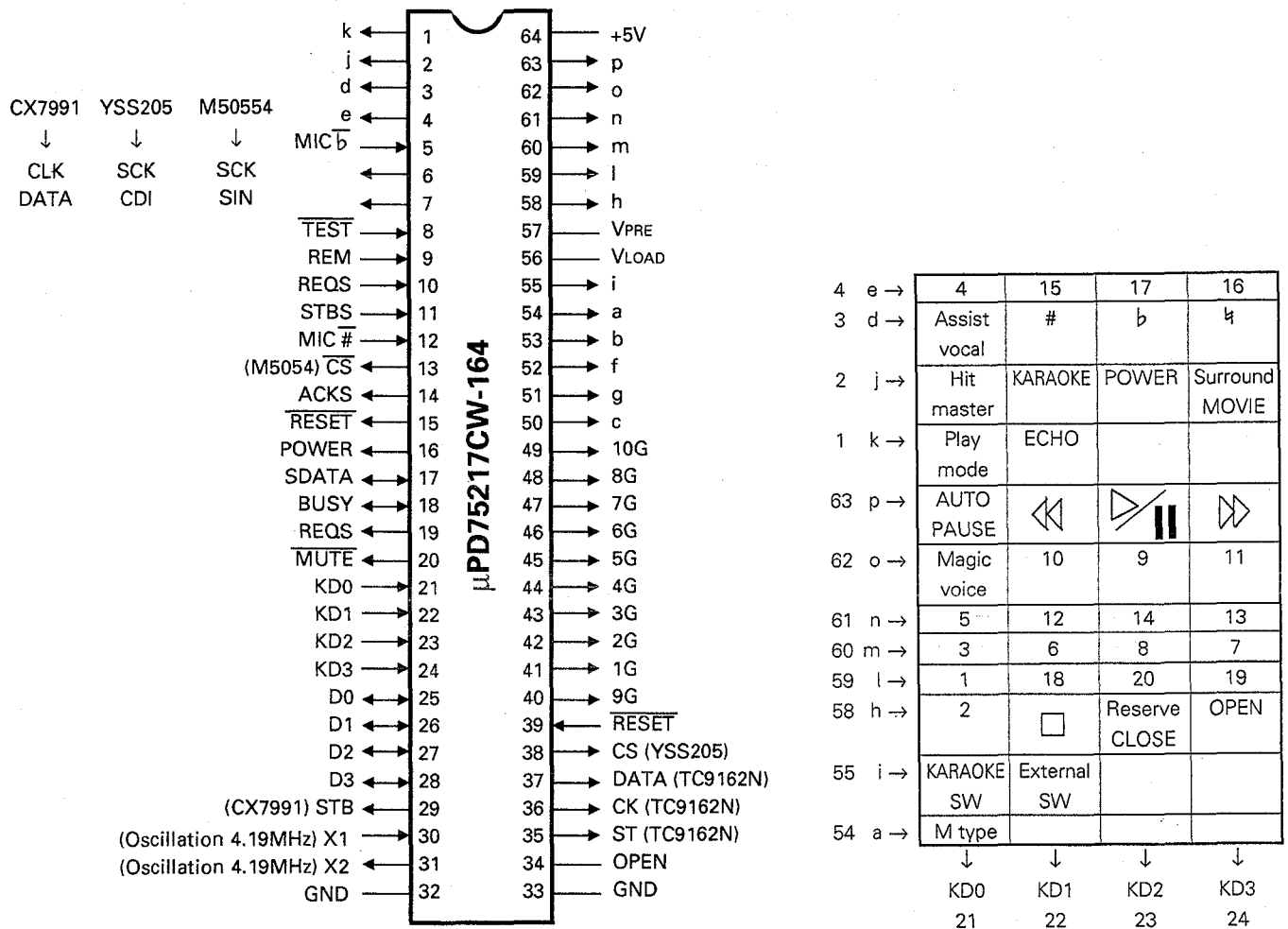
CIRCUIT DESCRIPTION

Ref No.	Name	I/O	Function
21	DSSENS	I	Disc detection input
22	SCOR	I	Q data SCOR interrupt input
23	VSYNC	I	Video sync interrupt input
24	REOS	I/O	Sub-microprocessor request
25, 26	NC	-	
27	GND	-	Ground
28	RESET	I	Reset input
29	XIN	I	Clock input (10MHz)
30	XOUT	O	Clock output (10MHz)
31	NC	-	
32	Vss	-	GND
33	NC	-	
34	LMUTE	O	Mute output
35	D/A	O	Digital / Analog selection output
36	A/V	O	Audio / Video selection output
37	2/R	O	Channel-2 / Right-channel audio output
38	1/L	O	Channel-1 / Left-channel audio output
39	CX	O	CX mode selection output
40	EV3SW	O	Event count for REFH/TCONT
41	CLOSE	O	Loading motor close output
42	OPEN	O	Loading motor open output
43	TV/LD	O	TV/DISC selection output
44	TLTSW	I	Photo-interrupter input (L : light-pass)
45	CLSSW	I	Tray close signal input
46	OPNSW	I	Tray open signal input
47	LDSW	I	LD lead-in switch input
48	CDSW	I	CD lead-in switch input
49	NORMAL/EFFECT	O	Mid-night theater mode output
50	NC	O	-
51	SYEX	O	Mute control in clear field
52	REFVD	O	VSYNC output in clear field
53	EQ	O	Video equalizer selection (CAV with frame no. less than 8000 : L)
54	LD	O	LD/other selection output
55	LASER	O	Pickup laser diode on output
56	SCAN	O	Clear scan output
57	NC	I	-
58	FOK	I	Focus OK input
59	FG	I	FG input (24 pulses per turn)
60	TCNTSW	O	
61	NC	O	-
62	VREF	-	Power supply (+5V)
63	AVss	-	GND
64	Vcc	-	Power supply (+5V)

CIRCUIT DESCRIPTION

2. Sub Microprocessor : μ PD75217CW-164 (IC301 : X25-5010)

2-1. Pin connection



2-2. Pin function

Ref No.	Name	I/O	Function
1~4	k, j, d, e	O	Display segment / key scan port
5	MIC \bar{b}	I	Key control flat key input
6	SCK	O	Super-impose clock output (YSS205, CX7991)
7	SIN	O	Super-impose data output (YSS205, CX7991)
8	TEST	I	Test mode setting input (Power on : L / test mode)
9	REM	I	Remote control input. Interrupt on the falling edge
10	REQS	I	REQS input. Interrupts on the rising edge (to mechanism microprocessor)
11	STBS	I	STBS input (to mechanism microprocessor)
12	MIC#	I	Key control # key input
13	CS	O	Super-impose chip select output
14	ACKS	I	ACKS input (to mechanism microprocessor)
15	RESET	O	Reset output
16	POWER	O	Power signal output
17	SDATA	I/O	Serial data in / out
18	BUSY	I/O	Serial busy in / out
19	REQS	O	REQS output (to mechanism microprocessor)
20	MUTE	O	Mute signal output

LVD-K7100

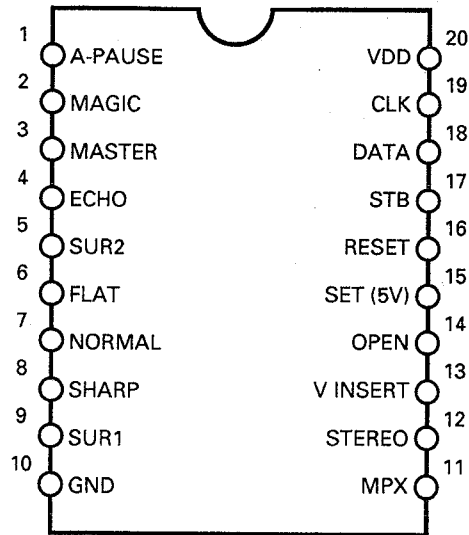
CIRCUIT DESCRIPTION

Ref No.	Name	I/O	Function
21 ~ 24	KD0~3	I	Key input
25 ~ 28	D0~3	I/O	Data in/out (to mechanism microprocessor)
29	STB	O	Strobe output for CX7991
30	X1	I	Oscillation input (4.19MHz)
31	X2	O	Oscillation output
32	Vss	-	GND
33	XT1	-	GND
34	XT2	-	OPEN
35	ST	O	Strobe output for TC9162N
36	CK	O	Clock output for TC9162N
37	DATA	O	Data output for TC9162N
38	CS	O	Chip selection output for YSS205
39	RESET	I	Reset input
40	9G	O	Display grid
41 ~ 48	1~8G	O	Display grid
49	10G	O	Display grid
50	c	O	Display segment
51	g	O	Display segment
52	f	O	Display segment
53	b	O	Display segment
54	a	O	Display segment
55	i	O	Display segment
56	VLOAD	-	Display erase voltage power supply (-30V)
57	VPRE	-	Display predriver power supply (-5V)
58	h	O	Display segment (model selection)
59	l	O	Display segment
60	m	O	Display segment
61	n	O	Display segment
62	o	O	Display segment
63	p	O	Display segment
64	VDD	-	Power supply (+5V)

CIRCUIT DESCRIPTION

3. LED Driver : CX-7991 (IC302 : X25-5010)

3-1. Pin connection



3-2. Pin function

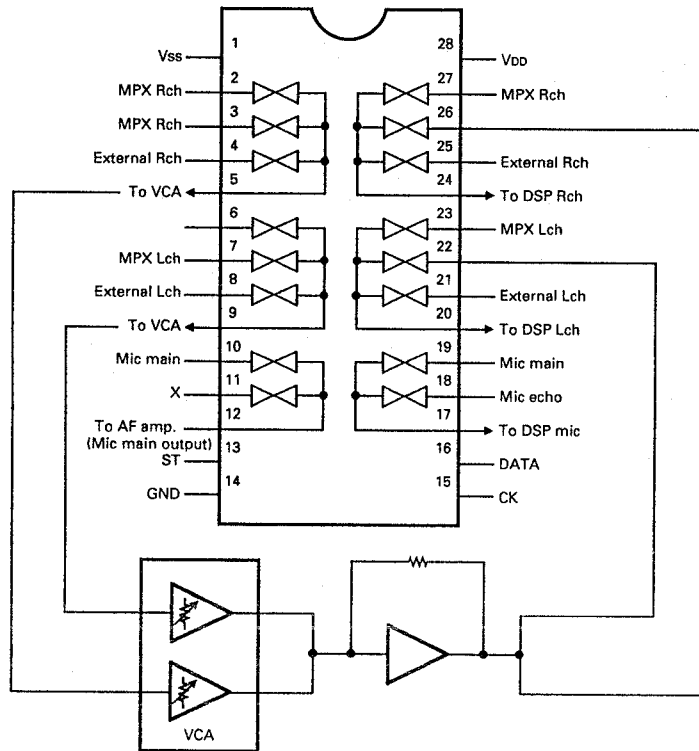
Ref No.	Name	I/O	Function
1	A-PAUSE	O	Auto-Pause LED
2	MAGIC	O	Magic Voice LED
3	MASTER	O	Hit Master LED
4	ECHO	O	Mic Echo LED
5	SUR2	O	KARAOKE Surround LED
6	FLAT	O	Key control Flat LED
7	NORNAL	O	Key control Natural LED
8	SHARP	O	Key control Sharpe LED
9	SUR1	O	Movie surround LED
10	GND	-	GND
11	MPX	O	Multiplex voice LED
12	STEREO	O	Stereo LED
13	ASSIST	O	Assist Vocal LED
16	RESET	I	Reset signal input
17	STBP	I	Strobe signal input
18	PDATA	I	Serial data input
19	PCLK	I	Clock signal input
20	VDD	-	Power supply (+5V)

LVD-K7100

CIRCUIT DESCRIPTION

4. Analog Switch : TC9163N (IC10 : X25-5010)

4-1. Pin connection



4-2. Pin function

Ref No.	Name	I/O	Function
1	Vss	-	Power supply (+8V)
2	MPXR	I	Multiplex (MPX) mode R-ch (Karaoke+Vocal)
3	MPXR	I	Multiplex (MPX) mode R-ch (Karaoke+Vocal)
4	EXTR	I	External R-ch input
5	VCA	O	Output to VCA
7	MPXL	I	MPX mode L-ch (Karaoke)
8	EXTL	I	External L-ch input
9	VCA	O	Output to VCA
10	MICM	O	Mic main output
12	MICM	O	Mic main output to AF amp.
13	ST	-	Strobe signal input
14	GND	-	GND
15	CK	-	Clock input
16	DATA	-	Data input
17	DSPM	O	Output to DSP mic
18	MICE	I	Mic echo input
19	MICM	I	Mic main input
20	DSPL	O	Output to DSP L-ch
21	EXTL	I	External L-ch input
22	VCA	I	VCA input
23	MPXL	I	MPX mode L-ch input
24	DSPR	O	Output to DSP R-ch
25	EXTR	I	External R-ch input
26	VCA	I	VCA input
27	MPXR	I	MPX mode R-ch input
28	VDD	-	Power supply (+5V)

CIRCUIT DESCRIPTION

5. Vocal Assist Circuit Description

The MIC input signal is amplified in IC16 (1/2), then rectified into a positive voltage in the voltage doubler circuit. If this voltage exceeds 1V, the comparator consisting of IC17 (1/2) outputs "H". IC3 (2/2) is a differential amplifier which outputs (5-VR).

If the assist vocal is turned off, Q4 is turned off and Q14 is turned on. As the result, VR becomes 0V, regardless of the microphone input, and 0% of Rch and 100% of Lch are output from MIX OUT.

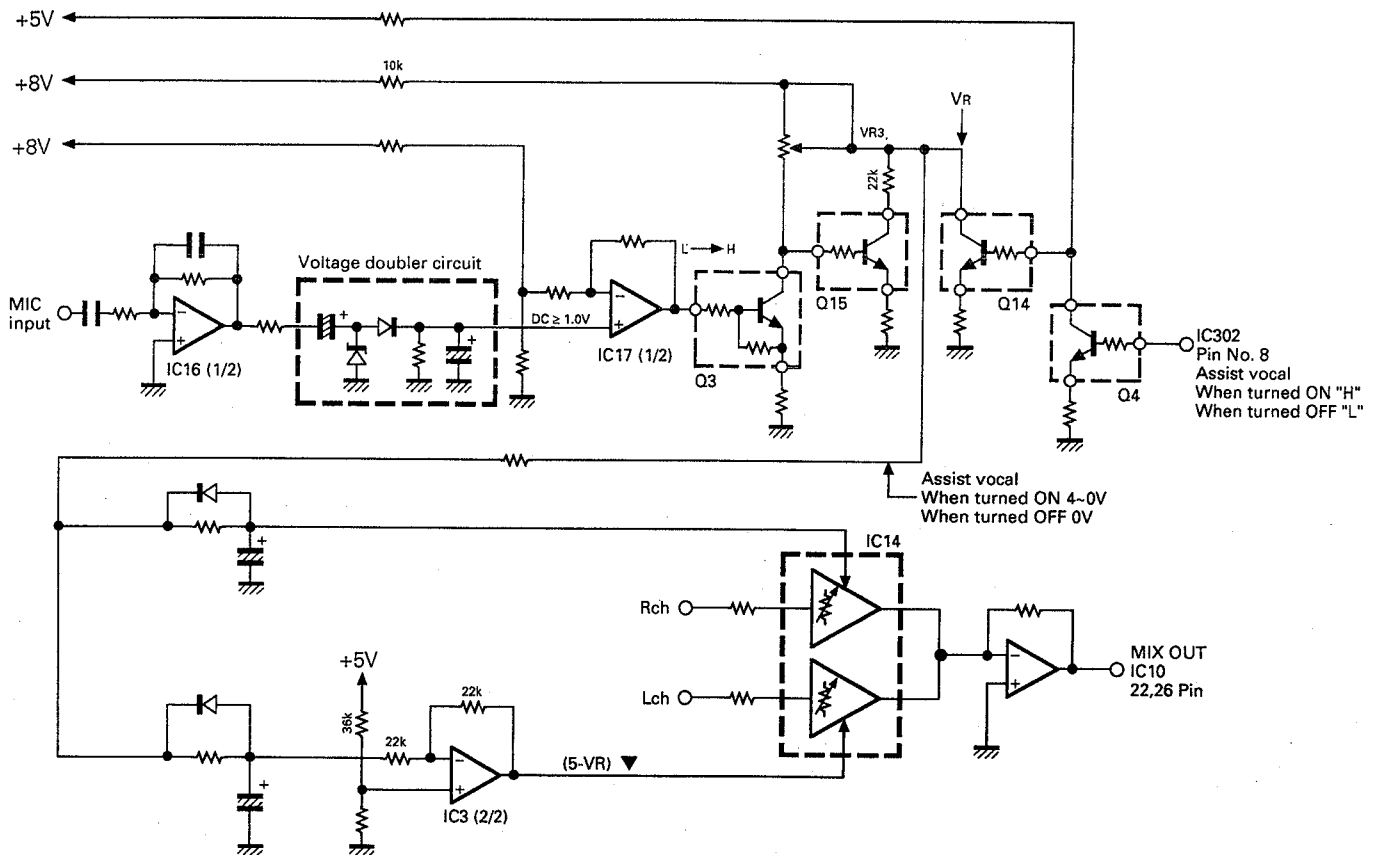
If the assist vocal is turned on, Q4 is turned on and Q14 is turned off. As the result, VR depends on the condition of Q3.

As explained above, if the MIX input is zero, IC17 (1/2) outputs "L". Accordingly, Q15 is turned off even if

Q3 is turned off. Since the constant is so set that VR will be almost 4V, regardless of the position of VR3, about 80% of Rch and 20% of Lch are output from MIX OUT.

If any MIC input is applied, since IC17 (1/2) outputs "H", Q3 is turned on and Q15 is turned off. Since VR3 can be increased up to 10kΩ, VR can be changed freely from 0V to 4V, and 0%~80% of Rch and 100%~20% of Lch are mixed and output from MIX OUT.

The reason why Rch and Lch are mixed together in this way is that only the vocal signals are output to Rch and only the music signals are output to Lch in some special KARAOKE sources. This mixing operation is necessary when using those sources.



Voltage at VR

	MIC input applied	No MIC input applied
Assist vocal OFF	0V	0V
Assist vocal ON	4~0V	4V

LVD-K7100

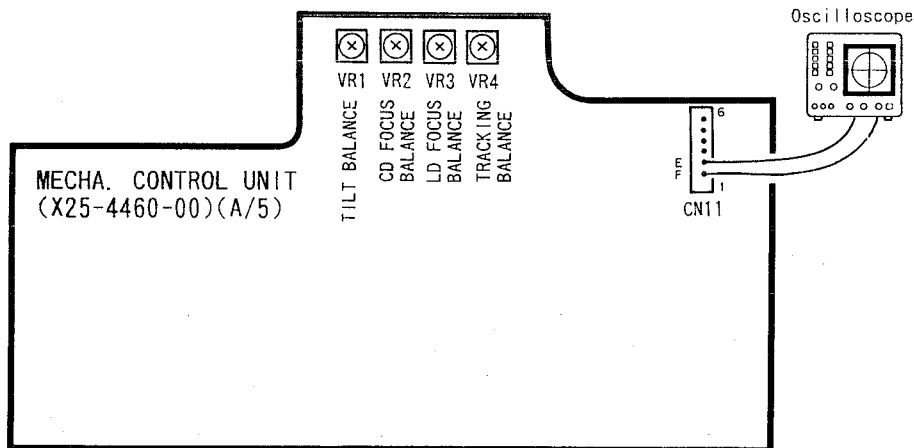
ADJUSTMENT

MECHANISM CONTROL (X25-4460-00)

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	TILT BALANCE	LD test disc	Connect the TV monitor to the video output.	F.No.19001 STILL(still image)	VR1	Minimize the crosstalk on the screen.	
		LD disc	Connect the oscilloscope to LD EFM on X32-2010 A/4.	F.No.20000 STILL(still image)		Maximize the RF signal (eye-pattern) amplitude.	①
2	LD FOCUS BALANCE	LD test disc or LD disc	Connect the oscilloscope to J909-2 (RF OUT) on X35-2080.	PLAY	VR3	Maximize the RF signal amplitude.	
3	TRACKING BALANCE	LD test disc or LD disc	Connect the oscilloscope to CN12-1 (TE) on X32-2010 B/4.	F.No.5000 STILL(still image)	VR4	Make the positive and negative jump pulses equal.	②
4	CD FOCUS BALANCE	CD test disc	Connect the oscilloscope to CD EFM on X32-2010 A/4.	PLAY	VR2	Maximize the RF signal (eye-pattern) amplitude.	③

LD test disc: KENWOOD KLD-01 LD disc: Commercial LD disc(CAV with Digital sound)
CD test disc: SONY Type 4

Fig. = waveform (P25)



REGLAGE/ABGLEICH

COMMANDE DU MECANISME (X25-4460-00)

No.	ELEMENT	REGLAGE D'ENTREE	REGLAGE DE SORTIE	REGLAGE DU LECTEUR	POINT D'ALIGNEMENT	ALIGNEMENT POUR	FIG.
1	EQUILIBRE DE PANORAMIQUE	Disque d'essai LD	Raccorder le moniteur TV à la sortie vidéo.	F. No. 19001 STILL (arrêt sur image)	VR1	Minimiser la diaphotie sur l'écran.	
		Disque LD	Raccorder l'oscilloscope à LD EFM sur X32-2010 A/4.	F. No. 20000 STILL (arrêt sur image)		Maximiser l'amplitude du signal RF (diagramme en oeil)	①
2	EQUILIBRE DE MISE AU POINT LD	Disque d'essai LD ou disque LD	Raccorder l'oscilloscope à 1909-2 (RF OUT) sur X35-2080.	PLAY (lecture)	VR3	Maximiser l'amplitude du signal RF.	
3	EQUILIBRE DE SUIVI	Disque d'essai LD ou disque LD	Raccorder l'oscilloscope à CN12-1 (TE) sur X32-2010 B/4.	F. No. 5000 STILL (arrêt sur image)	VR4	Rendre égales les impulsions de saut positives et négatives.	②
4	EQUILIBRE DE MISE AU POINT CD	Disque d'essai CD	Raccorder l'oscilloscope à CD EFM sur X32-2010 A/4.	PLAY (lecture)	VR2	Maximiser l'amplitude du signal RF (diagramme en oeil)	③

Disque d'essai LD : KLD-01 KENWOOD Disque LD : Disque LD en vente dans le commerce (CAV avec son numérique)

Fig. = Forme d'onde (p.25)

Disque d'essai CD : SONY Type 4

LAUFWERKSTEUEREINHEIT (X25-4460-00)

Nr.	EINSTELLGRÖSSE	EINGANGSEIN STELLUNG	AUSGANGSEIN STELLUNG	SPIELER-BETRIEBSART	EINSTELLPUNKT	EINSTELLVORGANG	Abb.
1	TILT-BALANCE	Test-Bildplatte	TV-Monitor mit Videoausgang verbinden.	Bild-Nr. 19001 STILL (Standbildwiedergabe)	VR1	Über sprechen auf dem Bildschirm minimieren.	
		Bildplatte	Oszilloskop mit LD EFM an X32-2010 A/4 verbinden.	Bild-Nr. 2000 STILL (Standbildwiedergabe)		HF-Signalamplitude (Augenmuster) auf Maximalwert bringen.	①
2	LD-FOKUS-BALANCE	TEST-Bildplatte oder Bildplatte	Oszilloskop mit J909-2 (HF-Ausgang) an X35-2080 verbinden.	PLAY (Wiedergabe)	VR3	HF-Signalamplitude (Augenmuster) auf Maximalwert bringen.	
3	TRACKING-BALANCE	TEST-Bildplatte oder Bildplatte	Oszilloskop mit CN12-1 (TE) an X32-2010 B/4 verbinden.	Bild-Nr. 5000 STILL (Standbildwiedergabe)	VR4	Positiven und negativen Brückenimpuls auf gleichen Wert bringen.	②
4	CD-FOKUS-BALANCE	Test-CD	Oszilloskop mit CD EFM an X32-2010 A/4 verbinden.	PLAY (Wiedergabe)	VR2	HF-Signalamplitude (Augenmuster) auf Maximalwert bringen.	③

Test-Bildplatte : KENWOOD KLD-01 Bildplatte : bespielte Bildplatte (CAV mit Digitalton)

Abb. = Signalverlauf (P25)

Test-CD : SONY Type 4

LVD-K7100

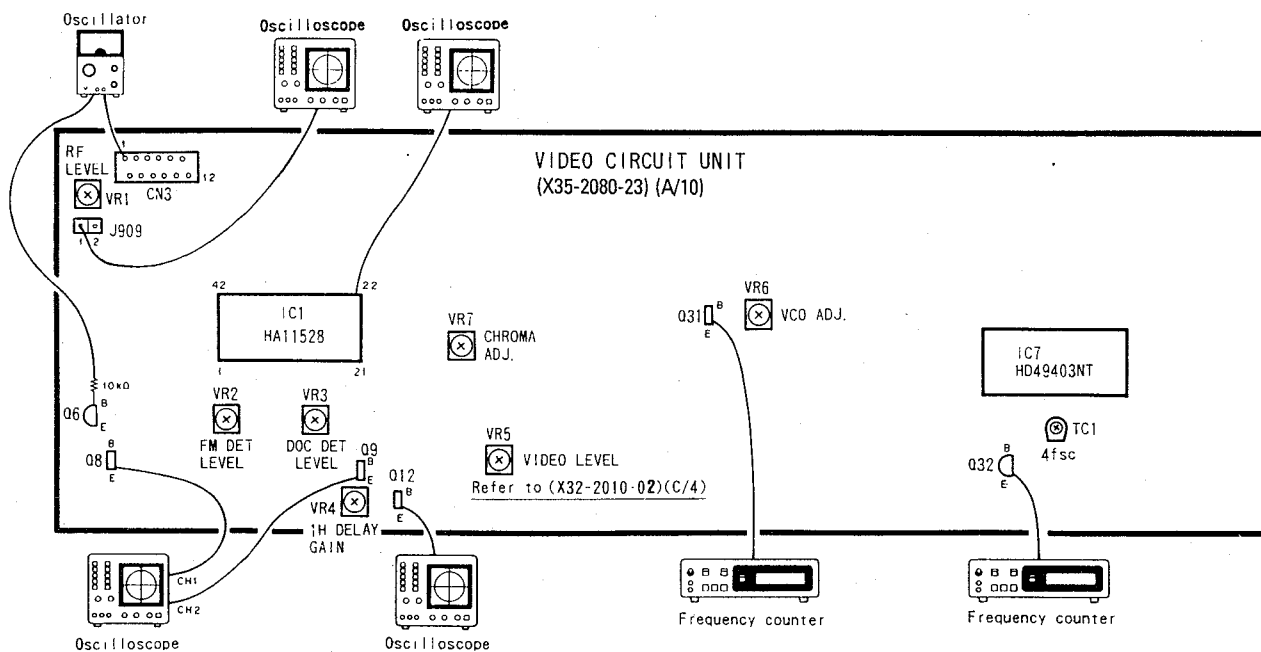
ADJUSTMENT

VIDEO CIRCUIT UNIT (X35-2080-23)

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	4fsc FREQUENCY	Power ON	Connect the frequency counter to emitter of Q32.	STOP	TC1	14.31818MHz±10Hz	
2	RF LEVEL	LD test disc	Connect the oscilloscope to J909-1 (RF OUT).	F.No.100 STILL(still image)	VR1	200mVp-p	④
3	FM DETECTION LEVEL	LD test disc	Connect the oscilloscope to emitter of Q12.	F.No.100 STILL(still image)	VR2	Set video amplitude to 1.1Vp-p.	⑤
4	DROPOUT DETECTION	Connect AG (5MHz, 1Vp-p) to CN3-1 and base of Q6 through 10kΩ.	Connect the oscilloscope to IC1 pin22.	STOP	VR3	Adjust to see sine wave and horizontal line at same time.	
5	1H DELAY	LD test disc	Connect the oscilloscope as follows: CH1: emitter of Q8 CH2: emitter of Q9 (CH2: INV mode.)	F.No.3000 STILL(still image)	VR4	No waveform when add the waveform of CH1 and CH2.	⑥
6	TBC VIDEO OUTPUT LEVEL	LD test disc	Connect a 75Ω resistor to video out. Next, connect the oscilloscope across the resistor.	F.No.100 STILL(still image)	VR5	Video signal amplitude: 1.0Vp-p	⑦
7	VCO FREE-RUN FREQUENCY	LD test disc	Connect the frequency counter to emitter of Q31.	STOP	VR6	18.5MHz±0.2MHz	
8	COLOR PHASE COMPENSATION	LD test disc	Connect monitor TV to video out.	CHAPTER:13 PLAY(magenta)	VR7	Minimum striped pattern.	

LD test disc: KENWOOD KLD-01 LD disc: Commercial LD disc(CAV with Digital sound)
CD test disc: SONY Type 4

Fig. = waveform (P25)



REGLAGE/ABGLEICH

UNITE DE CIRCUIT VIDEO (X35-2080-23)

No.	ELEMENT	REGLAGE D'ENTREE	REGLAGE DE SORTIE	REGLAGE DU LECTEUR	POINT D'ALIGNEMENT	ALIGNEMENT POUR	FIG.
1	FREQUENCE 4fsc	Alimentation ACTIVEE	Raccorder le fréquencesmètre à l'émetteur de Q32.	STOP (arrêt)	TC1	14,31818MHz ± 10Hz	
2	NIVEAU RF	Disque d'essai LD	Raccorder l'oscilloscope à J909-1 (RF OUT)	F. No. 100 STILL (arrêt sur image)	VR1	200mVc-c	④
3	NIVEAU DE DETECTION FM	Disque d'essai LD	Raccorder l'oscilloscope à l'émetteur de Q12.	F. No. 100 STILL (arrêt sur image)	VR2	Régler l'amplitude video à 1,1Vc-c	⑤
4	DETECTION DE DESEXCITATION	Raccorder AG (5MHz, 1Vc-c) à CN3-1 et la base de Q6 par 10kΩ.	Raccorder l'oscilloscope à la broche 22 de IC1.	STOP (arrêt)	VR3	Régler pour voir en même temps une onde sinusoïdale et une ligne horizontale.	
5	RETARD IH	Disque d'essai LD	Raccorder l'oscilloscope comme suit : CH1 : Emetteur de Q8 CH2 : Emetteur de Q9 (CH2 : Mode INV)	F. No. 3000 STILL (arrêt sur image)	VR4	Pas de forme d'onde lorsque les formes d'onde de CH1 et CH2 sont ajoutées.	⑥
6	NIVEAU DE SORTIE VIDEO TBC	Disque d'essai LD	Raccorder une résistance de 75Ω à la sortie vidéo. Puis raccorder l'oscilloscope par la résistancse.	F. No. 100 STILL (arrêt sur image)	VR5	Amplitude du signal video : 1,0Vc-c	⑦
7	FREQUENCE D'OSCILLATEUR COMMAND EN TENSION LIBRE	Disque d'essai LD	Raccorder le fréquencesmètre à l'émetteur de Q31.	STOP (arrêt)	VR6	18,5MHz ± 0,2MHz	
8	COMPENSATION DE PHASE COULEUR	Disque d'essai LD	Raccorder le moniteur TV à la sortie vidéo.	CHAPITRE : 13 PLAY (lecture) (magenta)	VR7	Mire de liness minimum.	

Disque d'essai LD : KLD-01 KENWOOD Disque LD : Disque LD en vente dans le commerce (CAV avec son numérique)
Disque d'essai CD : SONY Type 4

Fig. = Forme d'onde (p.25)

VIDEO-SCHALTUNG (X35-2080-23)

Nr.	EINSTELLGRÖSSE	EINGANGSEIN STELLUNG	AUSGANGSEIN STELLUNG	SPIELER-BETRIEBSART	EINSTELLPUNKT	EINSTELLVORGANG	Abb.
1	4fsc-FREQUENZ	Stromversorgung eingeschaltet	Frequenzzähler mit dem Emitter von Q32 verbinden.	STOP (stopp)	TC1	14,31818MHz ± 10Hz	
2	HF-PEGEL	Test-Bildplatte	Ozilloskop mit J909-1 (HF-Ausgang) verbinden.	Bild-Nr. 100 STILL (Standbildwiedergabe)	VR1	200mVss	④
3	FM-ERFASSUNGSPEGEL	Test-Bildplatte	Ozilloskop mit dem Emitter von Q12 verbinden.	Bild-Nr. 100 STILL (Standbildwiedergabe)	VR2	Videoamplitude auf 1,1Vss einstellen.	⑤
4	DROPOUT-ERFASSUNG	AG-Signal (5MHz, 1Vss) an CN3-1 und über 10kΩ an die Basis von Q6 legen.	Ozilloskop mit Anschluß 22 von IC1 vervinden.	STOP (stopp)	VR3	Auf gleichzeitige Anzeige von Sinuswelle und Horizontalzeile einstellen.	
5	1H-VERZÖGERUNG	Test-Bildplatte	Ozilloskop folgendermaßen verbinden : CH1 : Emitter von Q8 CH2 : Emitter von Q9 (CH2 : Umkehrbetrieb)	Bild-Nr. 3000 STILL (Standbildwiedergabe)	VR4	Keine Signalanzeige bei Addition der Signale auf CH1 und CH2.	⑥
6	TBC-VIDEOAUSGANGSPEGEL	Test-Bildplatte	Ozilloskop über 75-Ω-Widerstand mit Videoausgang verbinden.	Bild-Nr. 100 STILL (Standbildwiedergabe)	VR5	Videosignalamplitude : 1,0Vss	⑦
7	VCO-FREILAUFFREQUENZ	Test-Bildplatte	Frequenzzähler mit dem Emitter von Q31 verbinden.	STOP (stopp)	VR6	18,5 ± 0,2MHz	
8	FARBPHASENKORREKTUR	Test-Bildplatte	TV-Monitor mit dem Videoausgang verbinden.	CHAPTER (Kapitel) : 13 PLAY (Wiedergabe, Magenta)	VR7	Minimales Streifenmuster	

Abb. = Signalverlauf (P25)

LVD-K7100

ADJUSTMENT/REGLAGE/ABGLEICH

MECHANISM

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	TANGENT	CD test disc	Connect the oscilloscope to CD EFM on X32-2010 A/4.	PLAY	Tangential nut (Turn within ± 4 clicks)	Maximize the RF signal (eye pattern) amplitude.	
2	R-DEPENDENCE	CD test disc	Connect the oscilloscope to CN11-1,2 (E, F) on X25-4460.	PLAY	R-dep. nut	Lissajons' figure = 180°	

CD test disc: SONY Type 4

MECANISME

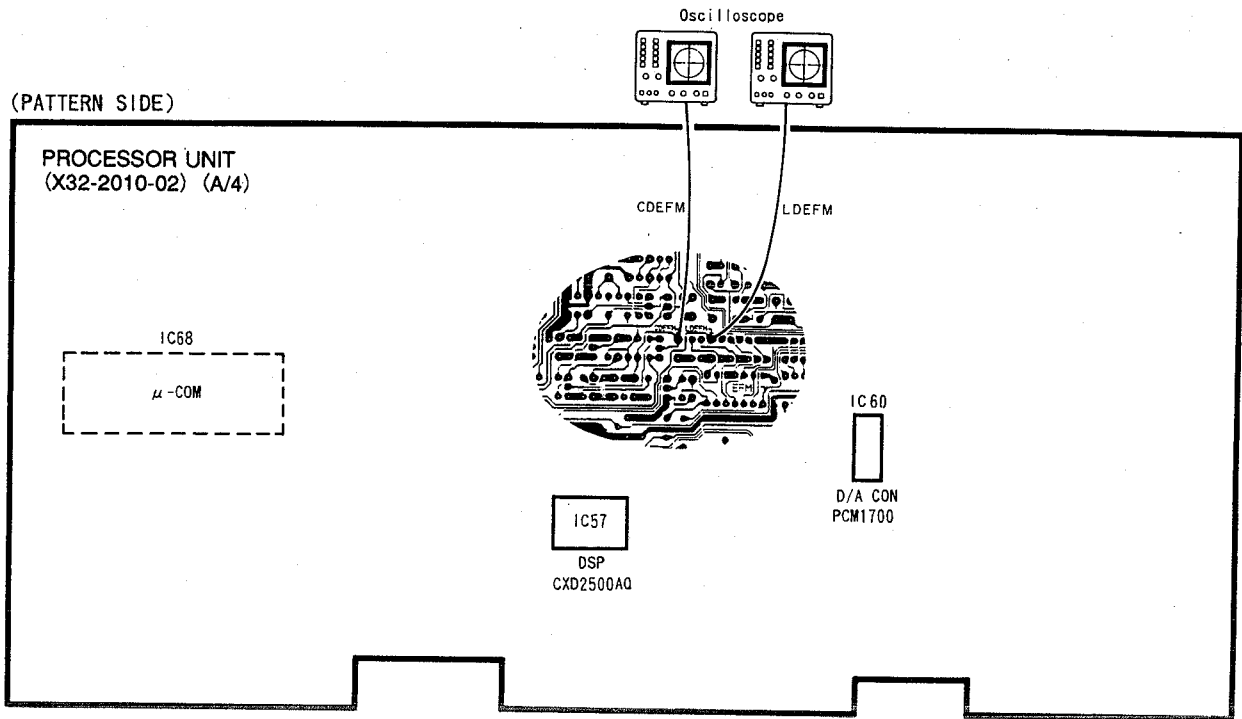
No.	ELEMENT	REGLAGE D'ENTREE	REGLAGE DE SORTIE	REGLAGE DU LECTEUR	POINT D'ALIGNEMENT	ALIGNEMENT POUR	FIG.
1	TANGENTE	Disque d'essai CD	Raccorder l'oscilloscope à CD EFM sur X32-2010 A/4.	PLAY (lecture)	Ecrou tangentiel (Le tourner de ± 4 crans)	Maximiser l'amplitude du signal RF (diagramme en oeil)	
2	DEPENDANCE R	Disque d'essai CD	Raccorder l'oscilloscope à CN11-1,2 (E, F) sur X25-4460	PLAY (lecture)	Ecrou de dép.R	Figure de Lissajons = 180°	

Disque d'essai CD : SONY Type 4

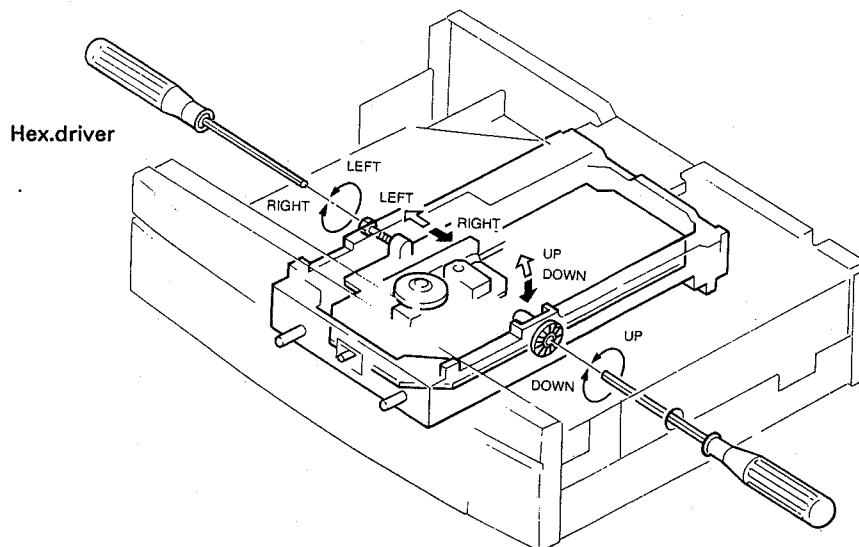
LAUFWERK

Nr.	EINSTELLGRÖSSE	EINGANG-SEINSTELLUNG	AUSGANGSEIN-STELLUNG	SPIELER-BETRIEBSART	EINSTELLPUNKT	EINSTELLVORGANG	Abb.
1	TANGENTIALEINSTELLUNG	Test-CD	Oszilloskop mit CD EFM an X32-2010 A/4 verbinden.	PLAY (Wiedergabe)	Tangentialeinstellmutter (Um ± 4 Klickpositionen drehen)	HF-Signalamplitude (Augenmuster) auf Maximalwert bringen.	
2	RADIALABHÄNGIGKEIT	Test-CD	Oszilloskop mit CN11-1,2 (E, P) an X25-4460 verbinden.	PLAY (Wiedergabe)	Einstellmutter für Radialabhängigkeit	Lissajou-Figur = 180°	

ADJUSTMENT



Radial-Dependence adjust
(Slide the pickup to meet with the center of the pickup and the that of the turntable.)



Tangential adjust
(Keep the disc horizontally for the pickup.)

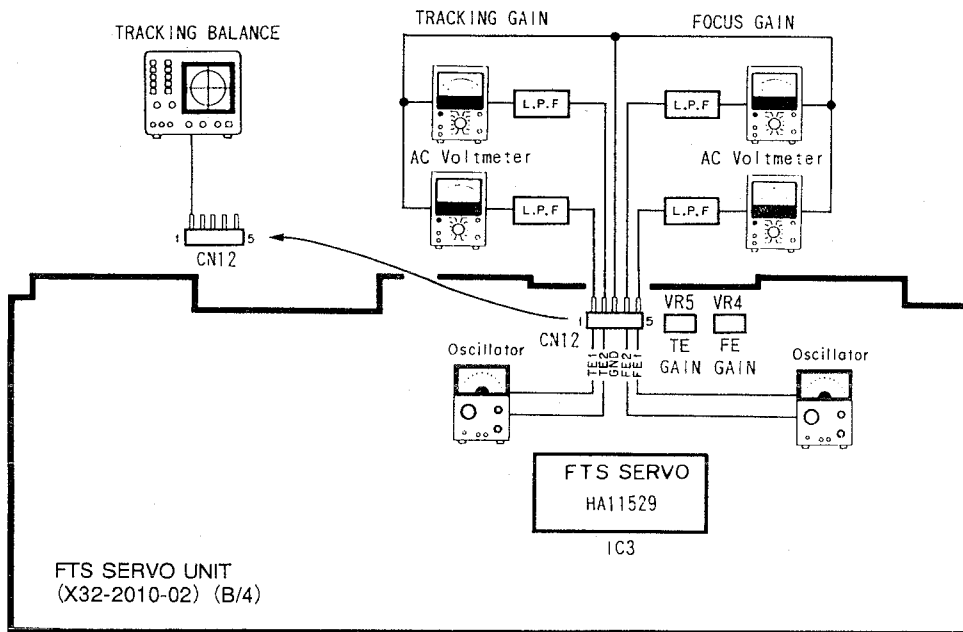
LVD-K7100

ADJUSTMENT/REGLAGE/ABGLEICH

FTS SERVO UNIT (X32-2010-02)

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	FOCUS GAIN	LD test disc Apply signal (1.7kHz/400mVp-p) to CN12 pins 4 and 5.	Connect a L.P.F to CN12 pin 4-5, to which connect an oscilloscope or two AC voltmeters.	PLAY	VR4	Two VTVMs should read the same value.	
2	TRACKING GAIN	LD test disc Apply signal (3.5kHz/200mVp-p) to CN12 pins 1 and 2.	Connect a L.P.F to CN12 pin 1-2, to which connect an oscilloscope or two AC voltmeters.	PLAY	VR5	Two VTVMs should read the same value.	

LD test disc: KENWOOD KLD-01



UNITE D'ASSERVISSEMENT FTS (X32-2010-02)

No.	ELEMENT	REGLAGE D'ENTREE	REGLAGE DE SORTIE	REGLAGE DU LECTEUR	POINT D'ALIGNEMENT	ALIGNEMENT POUR	FIG.
1	GAIN DE MISE AU POINT	Disque d'essai LD. Appliquer un signal (1,7kHz/400mVc-c) aux broches 4 et 5 de CN12.	Raccorder un L.P.F. aux broches 4-5 de CN12 et raccorder un oscilloscope ou deux voltmètres CA.	PLAY (lecture)	VR4	Deux voltmètres électroniques doivent indiquer la même valeur.	
2	GAIN DE SUIVI	Disque d'essai LD. Appliquer un signal (3,5kHz/200mVc-c) aux broches 1 et 2 de CN12.	Raccorder un L. P. F. aux broches 1-2 de CN12 raccorder un oscilloscope ou deux voltmètre.	PLAY (lecture)	VR5	Deux voltmètres électroniques doivent indiquer la même valeur.	

Disque d'essai LD : KLD-01 KENWOOD

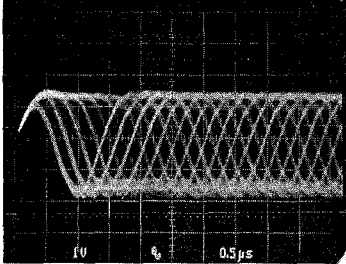
EINSTELLUNG (X32-2010-02)

Nr.	EINSTELLGRÖSSE	EINGANGSEINSTELLUNG	AUSGANGSEINSTELLUNG	SPIELER-BETRIEBSART	EINSTELLPUNKT	EINSTELLVORGANG	Abb.
1	FOKUS-VERSTÄRKUNG	Test-Bildplatte Signal (1,7kHz/400mVss) an Anschluß 4 und 5 von CN12 legen.	Oszilloskop oder zwei Wechselspannungsmesser über Tiefpaß mit Anschluß 4 und 5 von CN12 verbinden.	PLAY (Wiedergabe)	VR4	Die beiden Röhrenvoltmeter müssen den gleichen Wert anzeigen.	
2	TRACKING-VERSTÄRKUNG	Test-Bildplatte Signal (3,5kHz/200mVss) an Anschluß 4 und 5 von CN12 legen.	Oszilloskop oder zwei Wechselspannungsmesser über Tiefpaß mit Anschluß 1 und 2 von CN12 verbinden.	PLAY (Wiedergabe)	VR5	Die beiden Röhrenvoltmeter müssen den gleichen Wert anzeigen.	

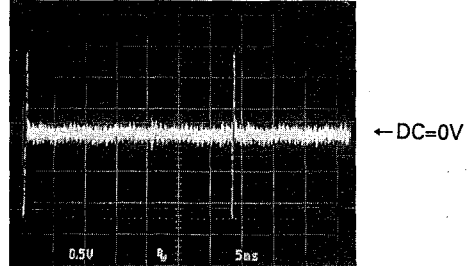
ADJUSTMENT

Waveform

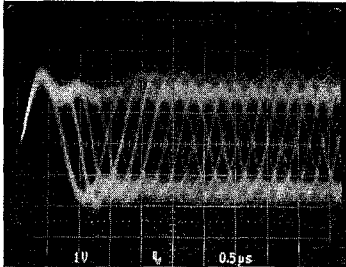
① TILT balance (LD EFM signal)



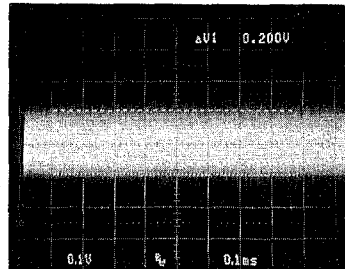
② Tracking balance



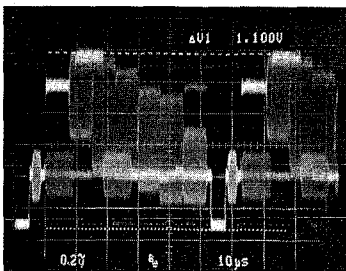
③ CD focus balance



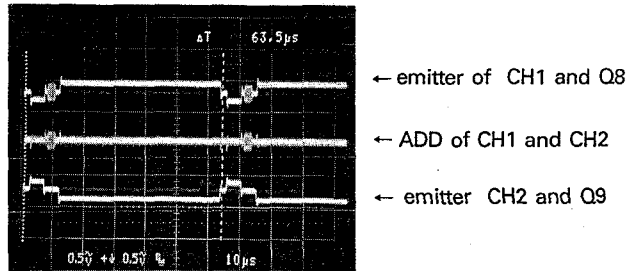
④ RF signal level



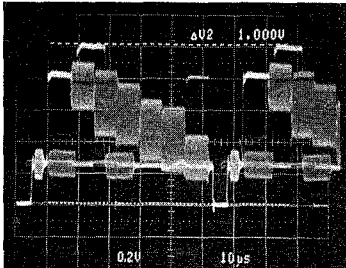
⑤ FM DET level



⑥ 1H Delay gain

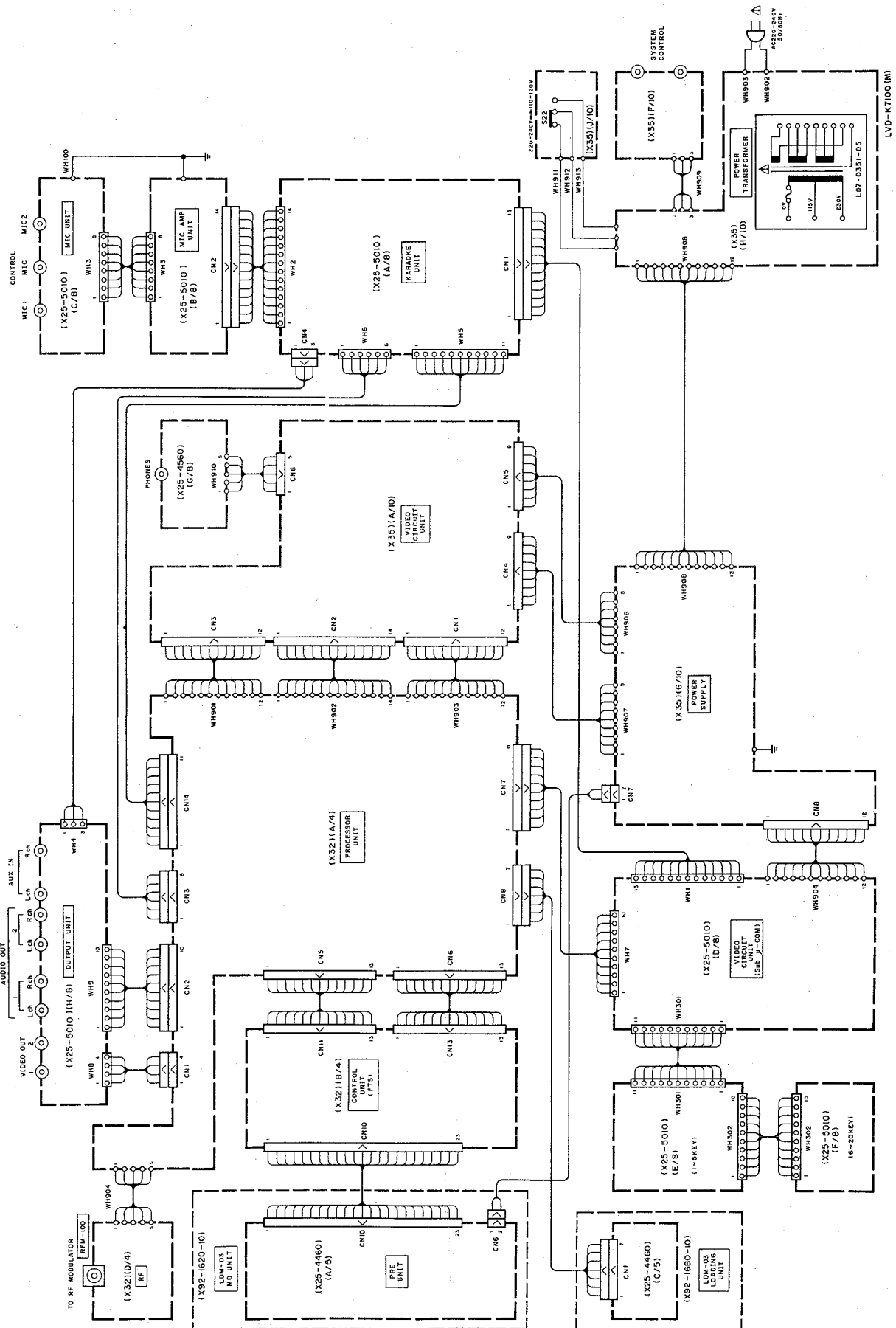


⑦ TBC video output level

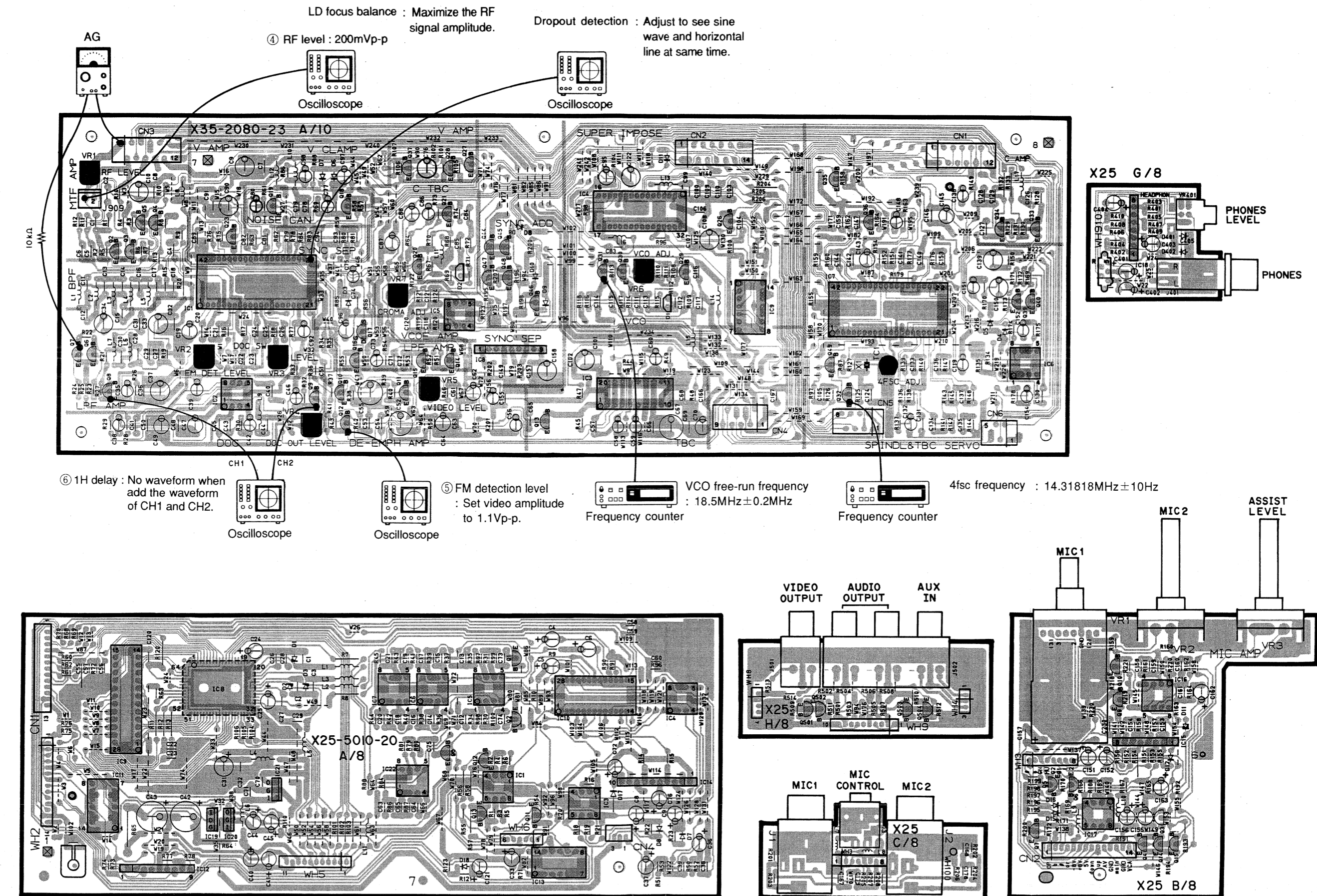


LVD-K7100

WIRING DIAGRAM



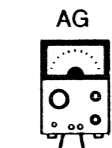
PC BOARD (COMPONENT SIDE VIEW)



LD focus balance : Maximize the RF signal amplitude.

Dropout detection : Adjust to see sine wave and horizontal line at same time.

④ RF level : 200mVp-p

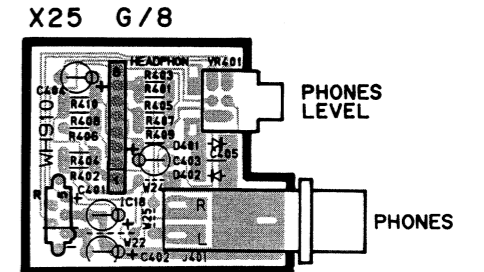
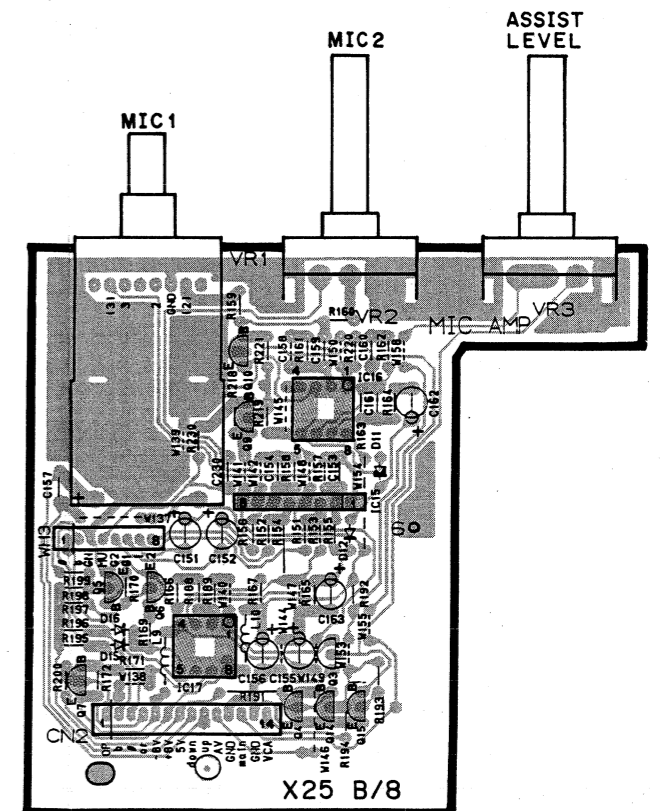
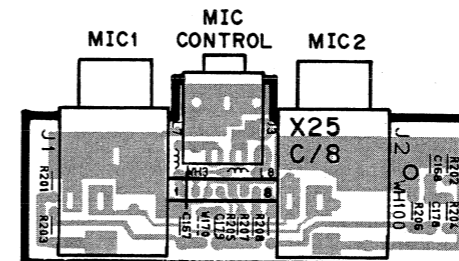
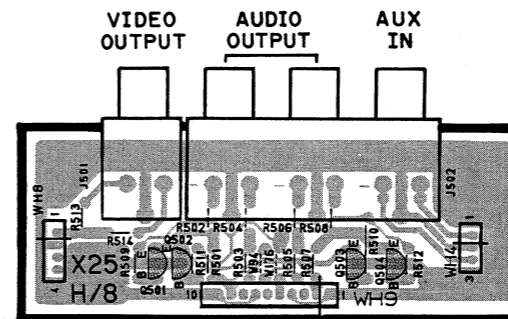
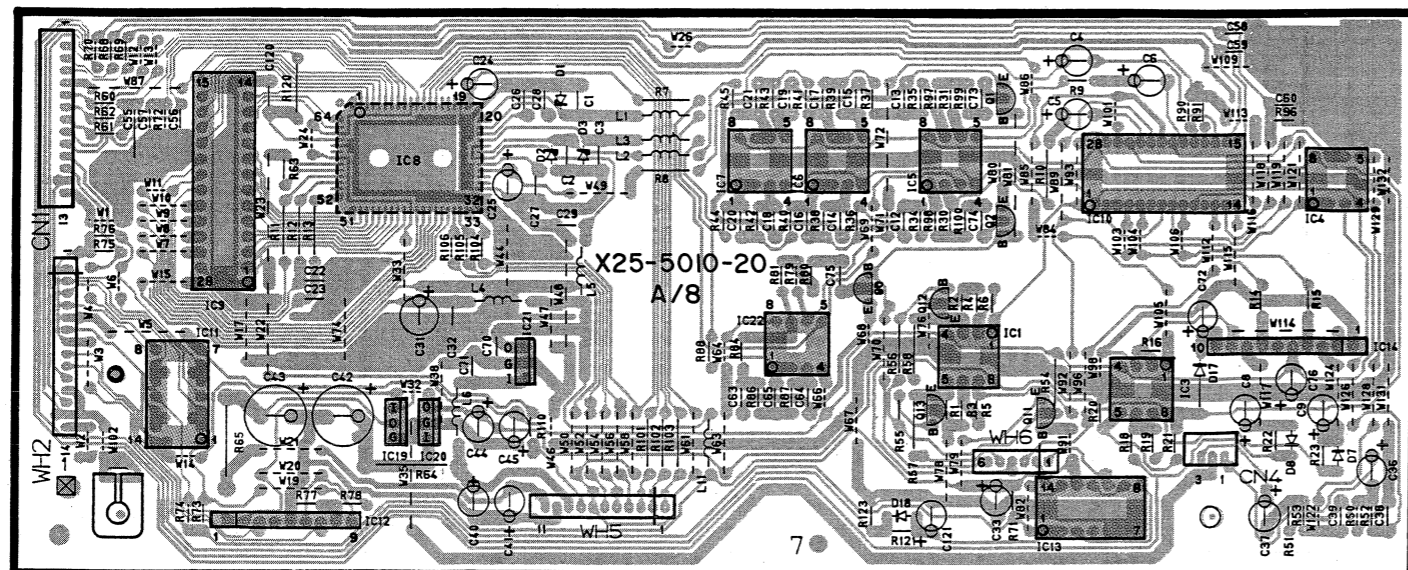
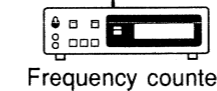
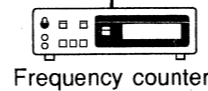
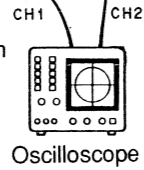


⑥ 1H delay : No waveform when add the waveform of CH1 and CH2.

⑤ FM detection level : Set video amplitude to 1.1Vp-p.

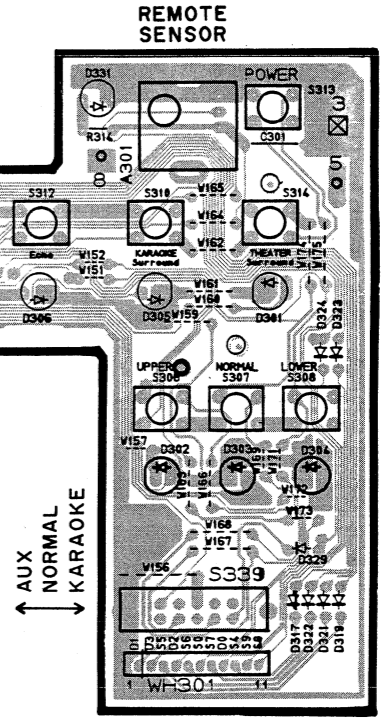
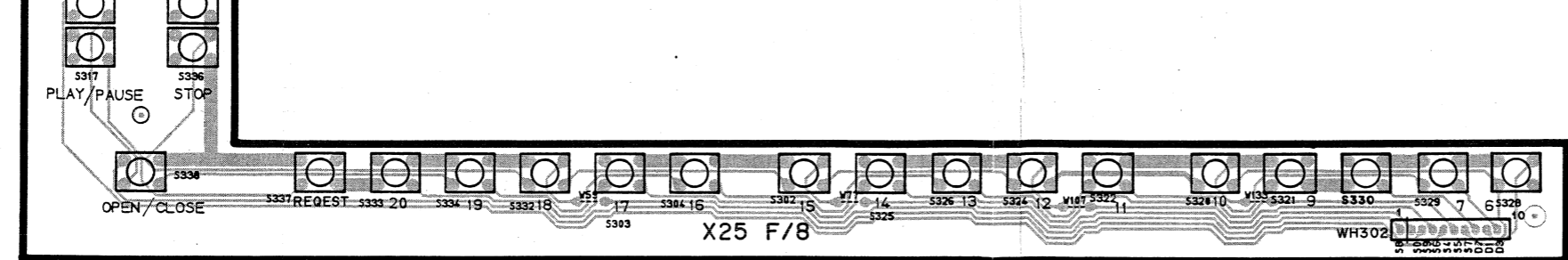
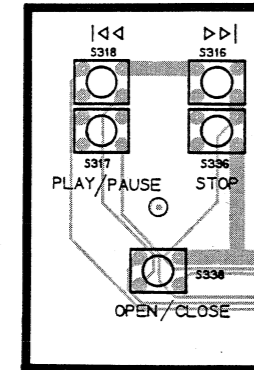
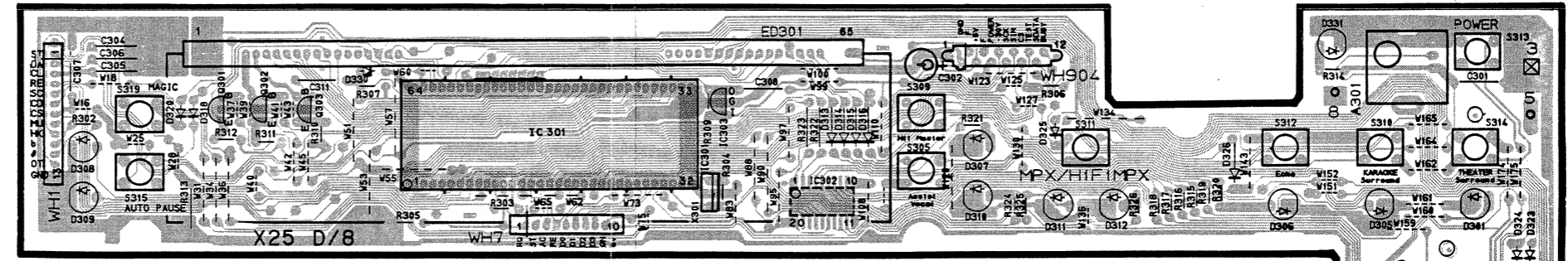
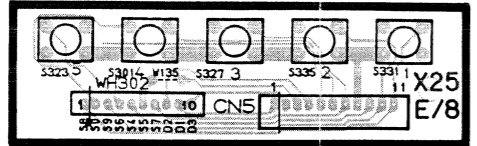
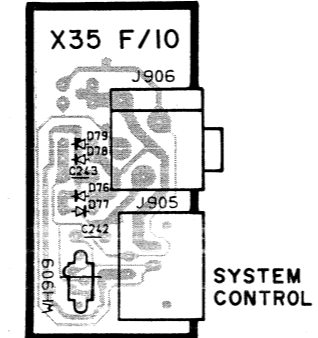
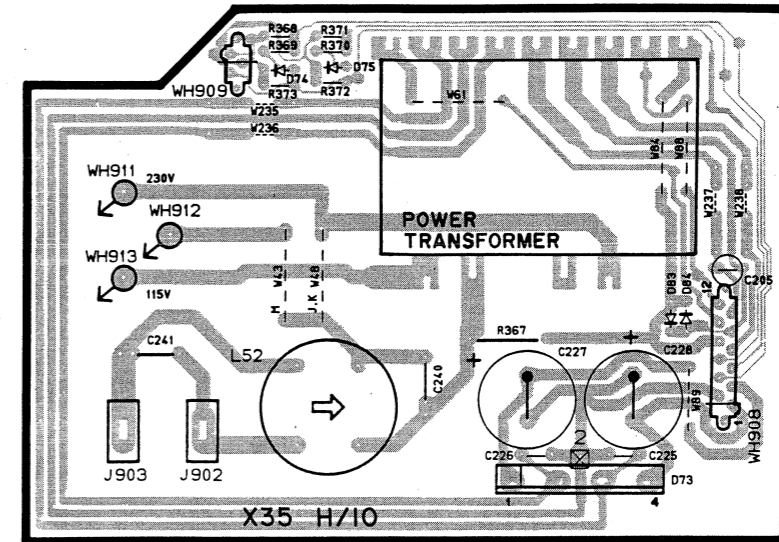
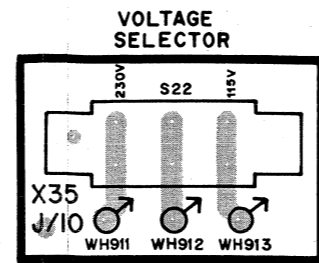
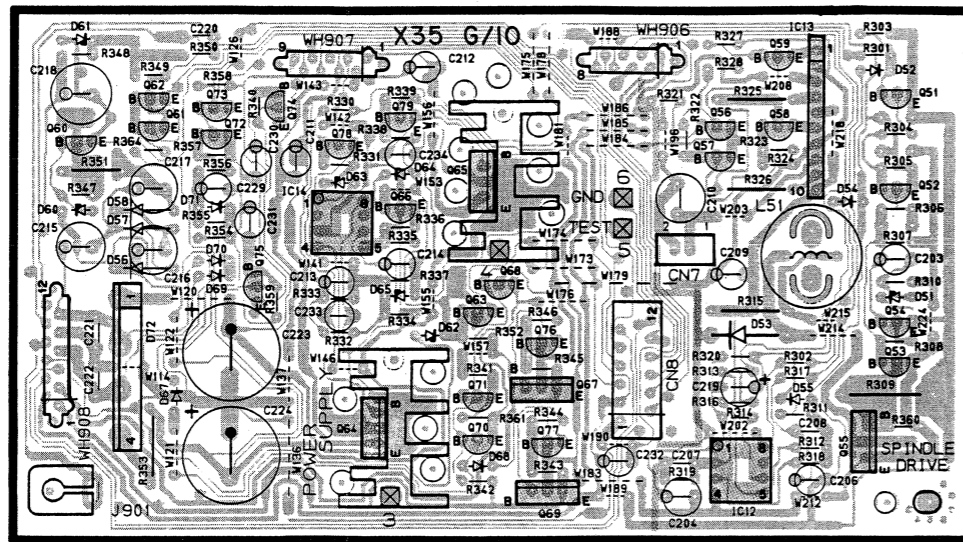
VCO free-run frequency : 18.5MHz±0.2MHz

4fsc frequency : 14.31818MHz±10Hz

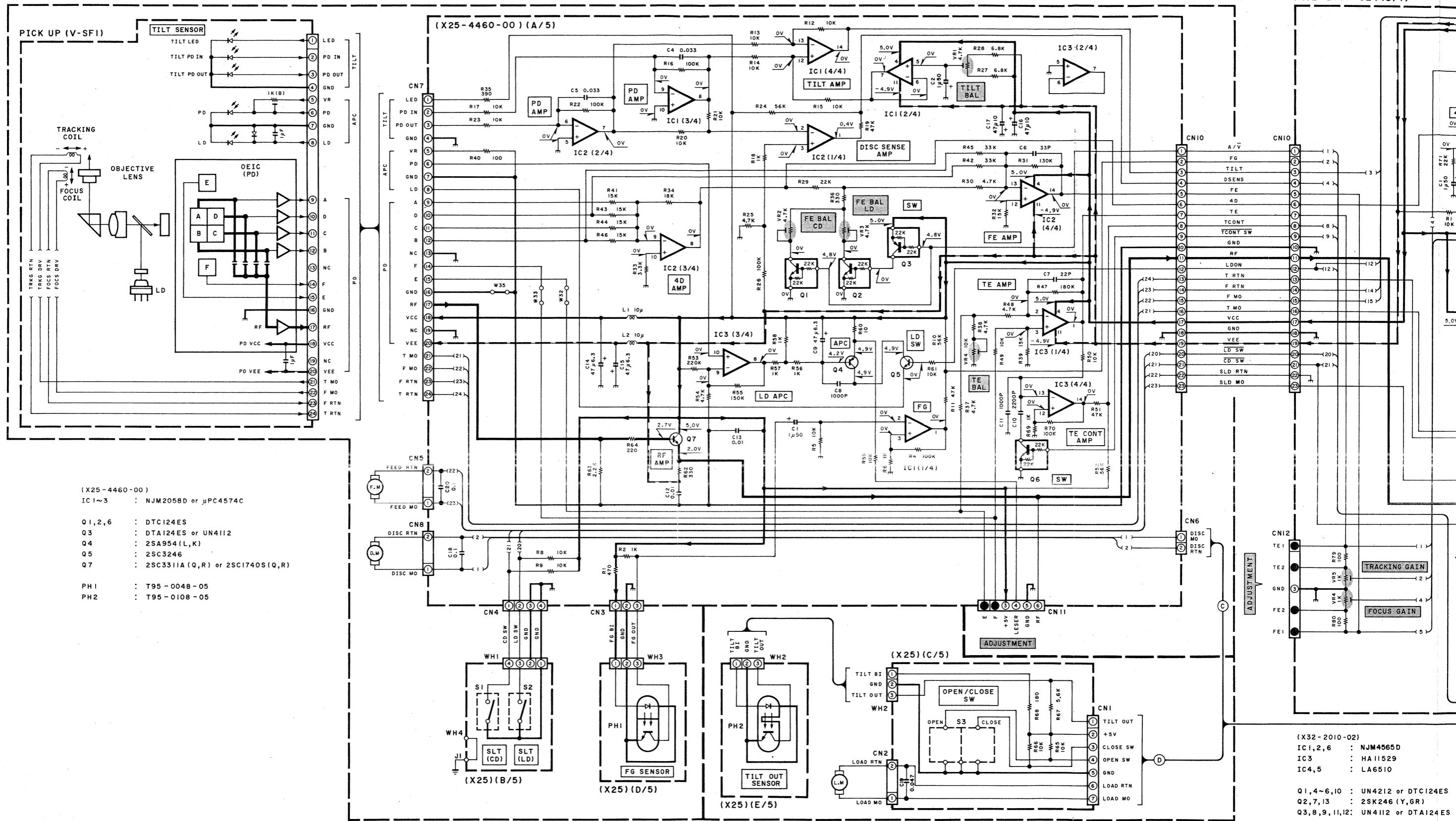


Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (COMPONENT SIDE VIEW)



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



2SA1534A
2SC1923
2SC3246

2SA954
2SC2878
2SD1302

2SD1266

DTA124ES
DTC124TS
2SA933S
2SC2458

DTC124ES
UN4112
2SC1740S

2SB941

UN4212
2SA1309A
2SC3311A

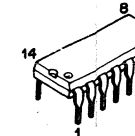
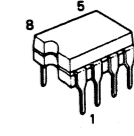
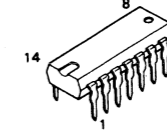
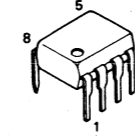
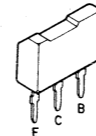
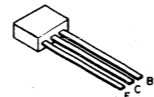
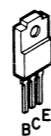
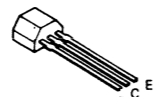
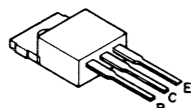
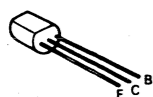
DTC144TFF

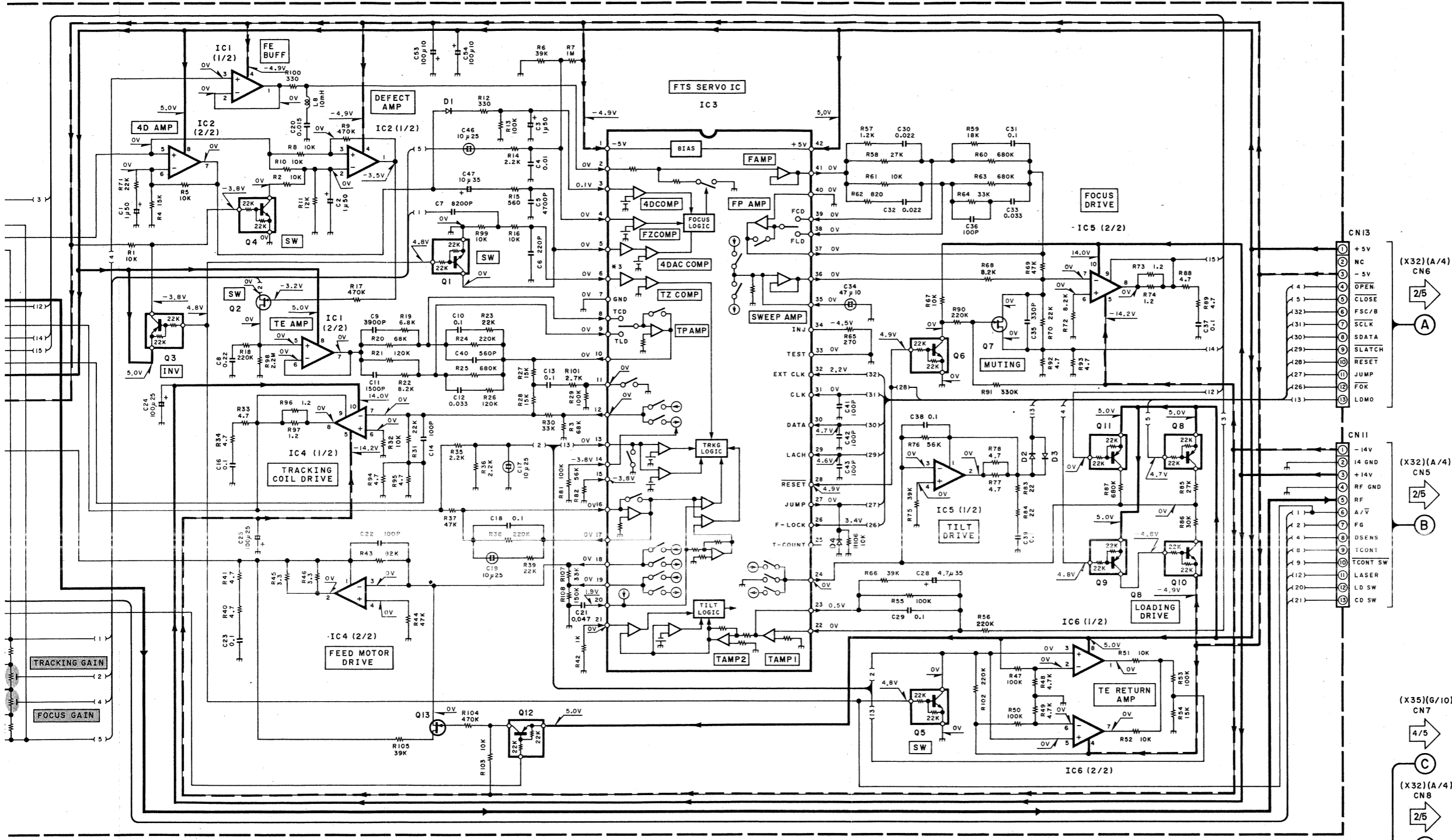
MSM7400RS

M5207L05

NJM4565D

NJM2058D
XRU4001B
XRU4066B





- 1-02)
: NJM4565D
: HA11529
: LA6510
1 : UN4212 or DTIC24ES
: 2SK246 (Y,6R)
.12: UN4112 or DTA124ES

- D1,4 : 1SS133 or HSS104
D2,3 : S5688B or ISR139-100

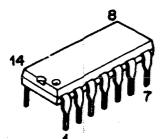
- SIGNAL LINE
— GND LINE
— +B LINE
- - - B LINE

LVD-K7100 (M) (1/5)

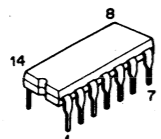
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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

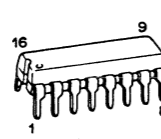
NJM2058D
XRU4001B
XRU4066B



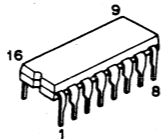
TC4001BP TC4066BP
TC74HC00AP TC74HC74AP
UPC4574C



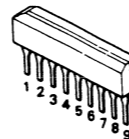
TC74HC123AP



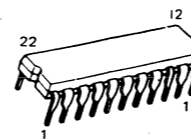
TC4052BP



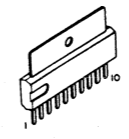
LVA519S
TA8409S



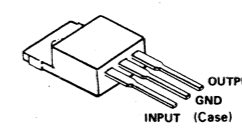
PD0011A



LA6510



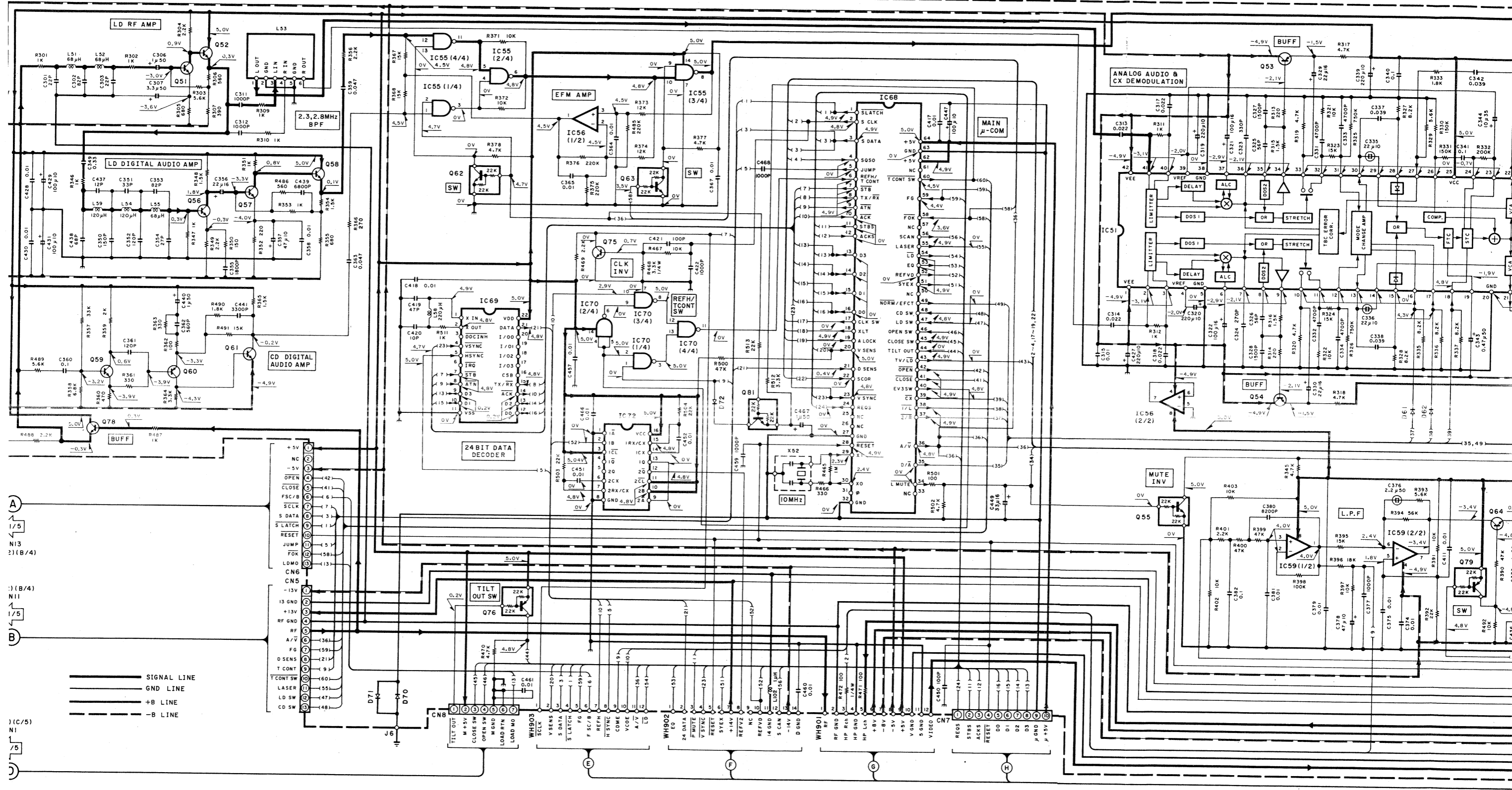
UPC7805HF



LVD-K71
KENWOOD

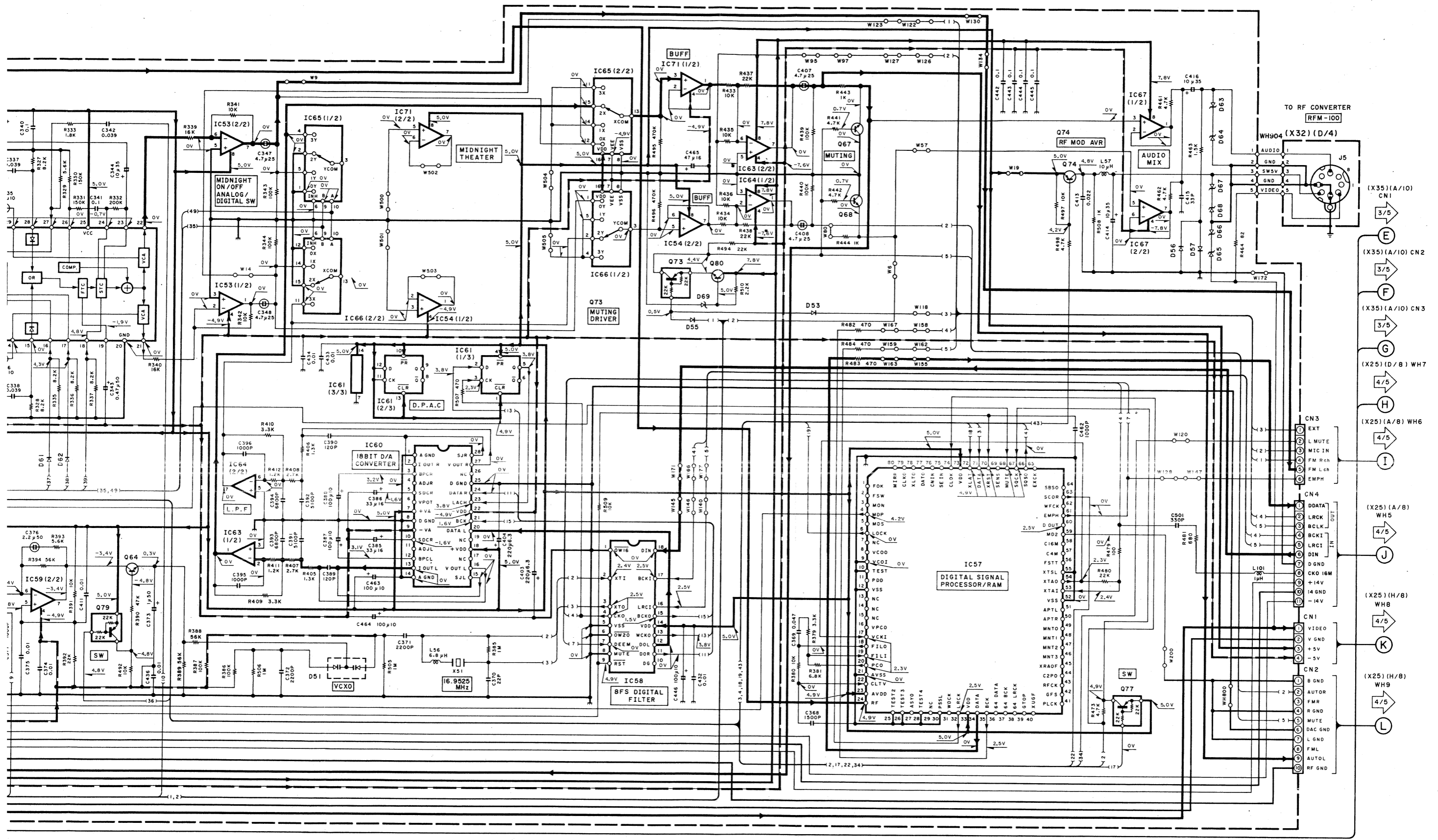
Y22-3040-20

IC51 : PA0034A	IC58 : SM5840CP	IC69 : PD0011A	Q51 : 29C1923(R,O)	Q67,68 : 25C2878(B)	D51 : 1SV147
IC53,54,56,59,63,64,67,71 : NJM4565D	IC60 : PCM1700U	IC72 : TC74HC123AP	Q52,56-59,61,64,75,78,80 : 25C3311A(Q,R) or 25C1740S(Q,R)	Q73,76,77,79 : UN4112 or DTA124ES	D53,55-57,61,62,70-72 : 1SS133 or HSS104
IC55,70 : TC74HC00AP	IC61 : TC74HC74AP		Q53,54,60,74 : 2SA1309A(Q,R) or 2SA933S(Q,R)		D63-66 : RD3.9ES(B) or HZS3.9N(B)
IC57 : CXD2500AQ	IC65,66 : TC4052BP		Q55,62,63,81 : UN4212 or DTC124ES		D67,68 : RD5.1ES(B) or HZS5.1N(B)
	IC68 : M37450M8-4925P				D69 : RD5.1ES(B2) or HZS5.1N(B2)

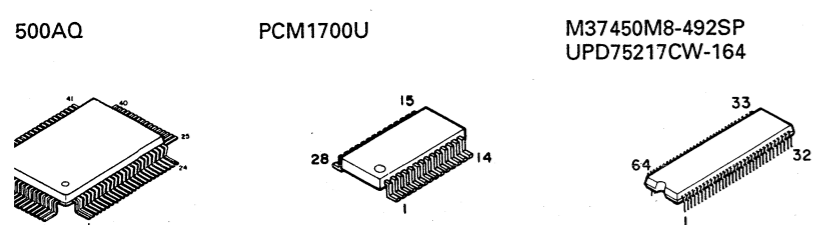


- | | | | | | | | | | | |
|-------|----------------------|--------|--------|----------|----------|---------|----------|---------|-----------|----------|
| T529C | BA17805T
BA17808T | 2SK246 | 2SK163 | SM5840CP | CXL1009P | STA455C | YSS205-F | TC9163N | CXD2500AQ | PCM1700U |
|-------|----------------------|--------|--------|----------|----------|---------|----------|---------|-----------|----------|





LVD-K7100(M)(2/5)



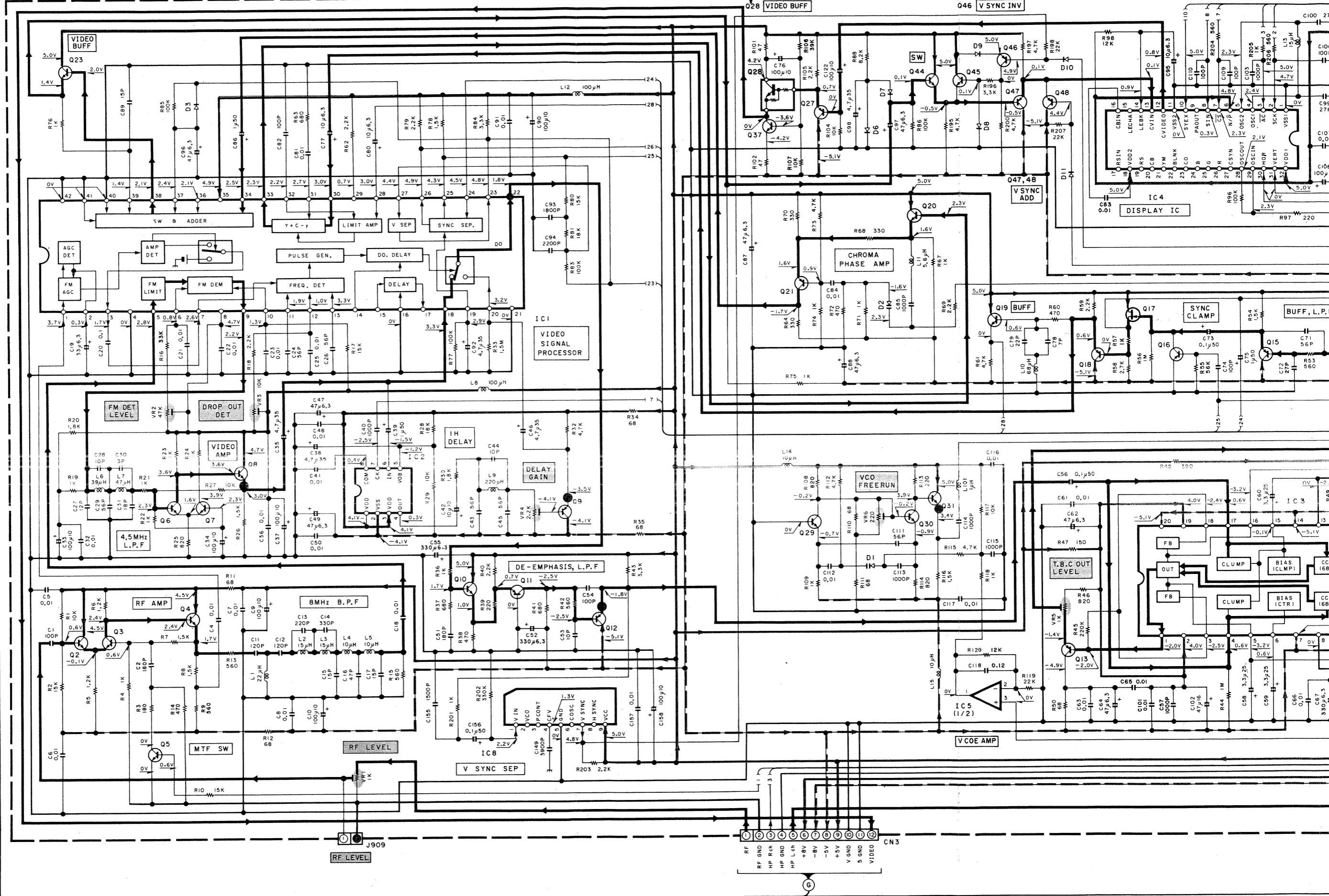
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units

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

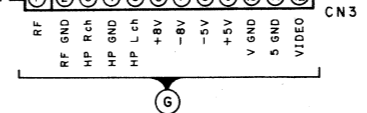
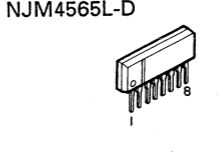
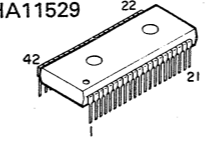
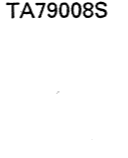
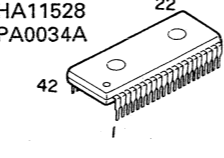
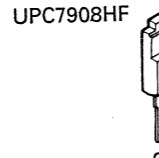
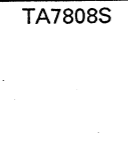
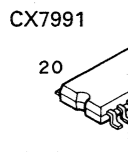
Y22-3040-20

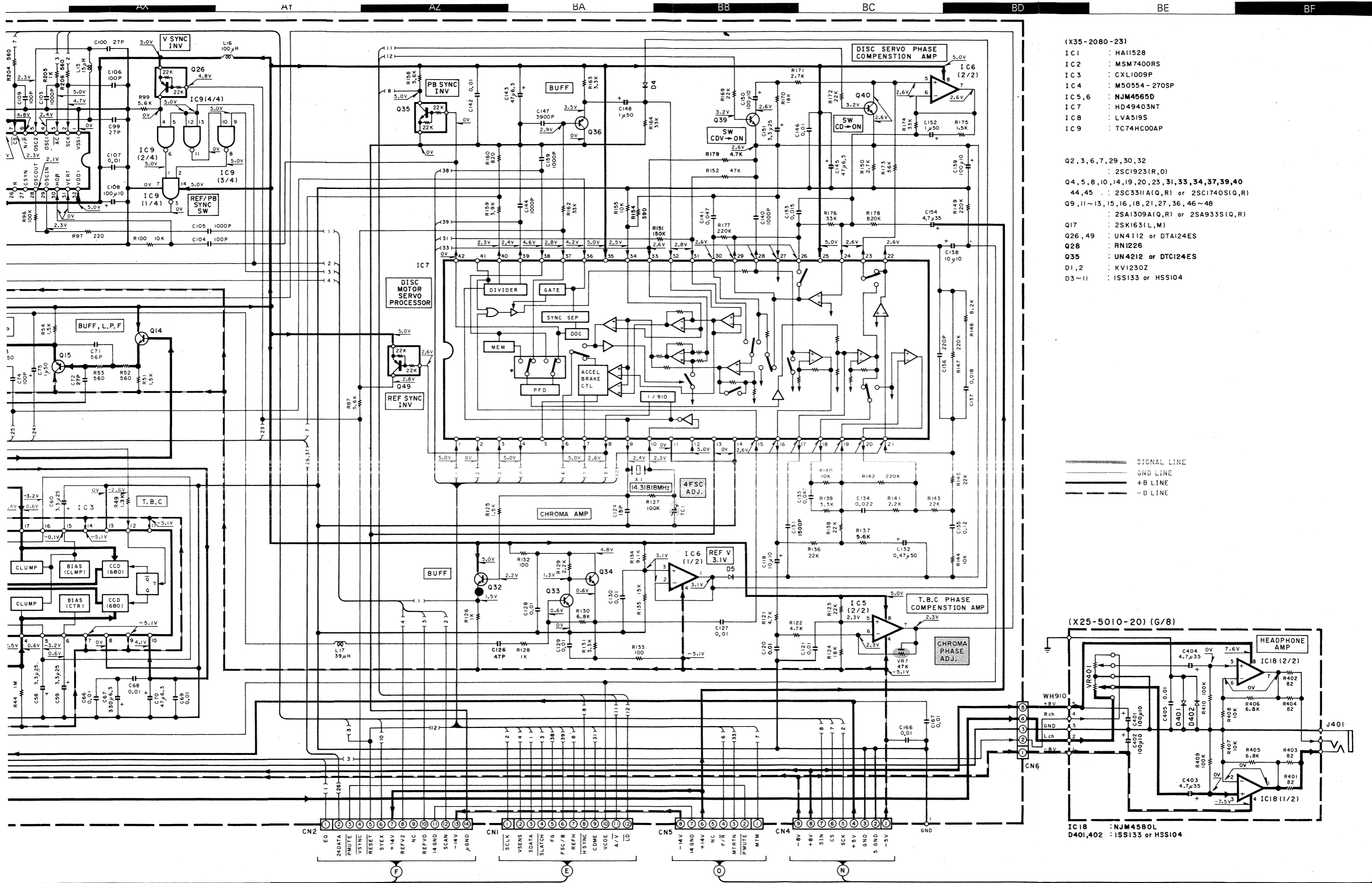


X35-2080-23 (A/I/O) VIDEO CIRCUIT UNIT



- (X32)(A/4) WH903
- (E)
- (X32)(A/4) WH902
- (F)
- (X32)(A/4) WH901
- (G)

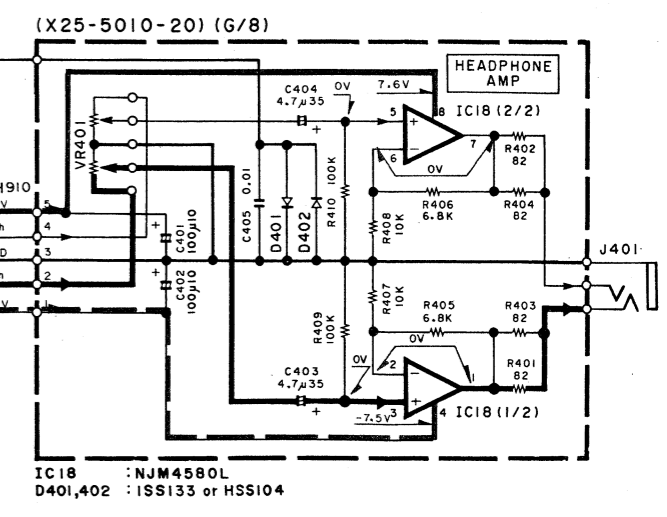




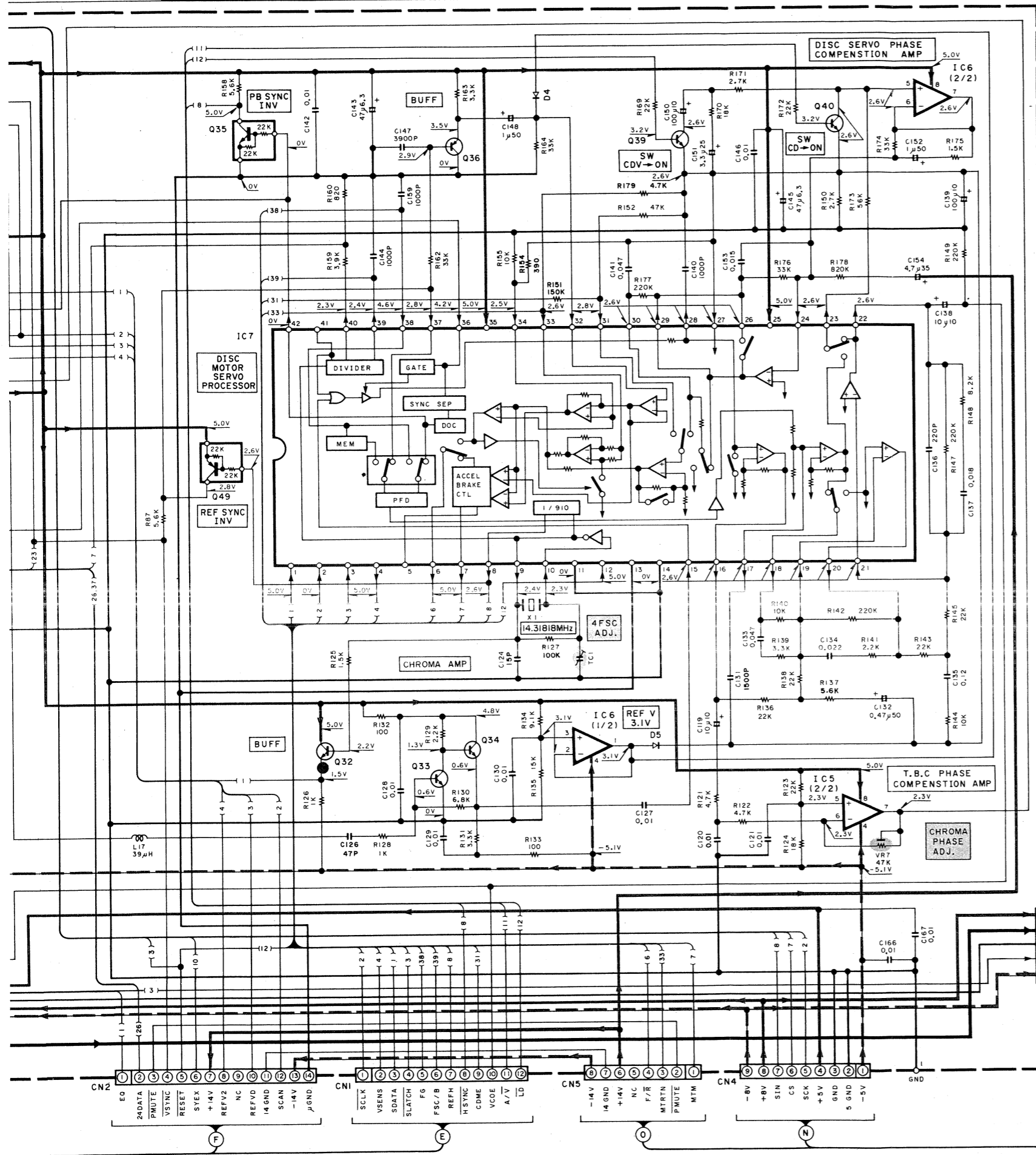
- (X35-2080-23)
- IC1 : HA11528
 - IC2 : MSM7400RS
 - IC3 : CX11009P
 - IC4 : M50554-270SP
 - IC5,6 : NJM4565D
 - IC7 : HD49403NT
 - IC8 : LVA519S
 - IC9 : TC74HC00AP

- Q2,3,6,7,29,30,32 : 2SC1923(R,O)
- Q4,5,8,10,14,19,20,23,31,33,34,37,39,40,44,45 : 2SC3311A(Q,R) or 2SC1740S(Q,R)
- Q9,11~13,15,16,18,21,27,36,46~48 : 2SA1309A(Q,R) or 2SA933S(Q,R)
- Q17 : 2SK163(L,M)
- Q26,49 : UN4112 or DTA124ES
- Q28 : RN1226
- Q35 : UN4212 or DTC124ES
- D1,2 : KVI230Z
- D3~11 : ISS133 or HSS104

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



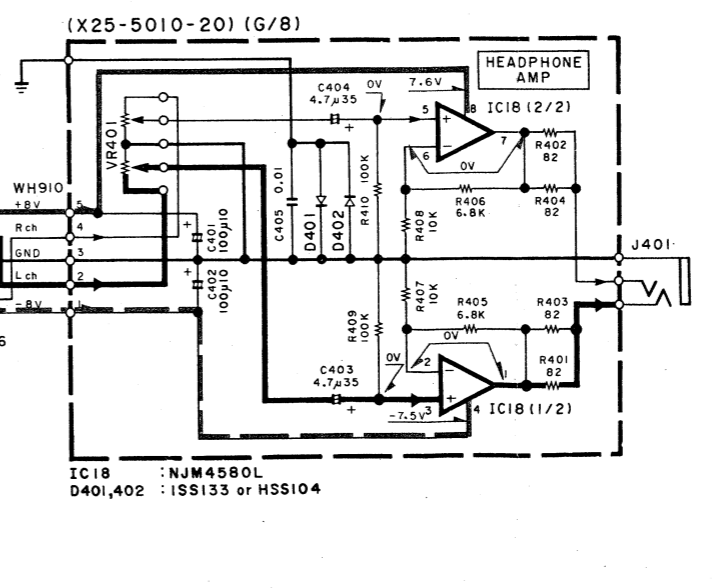
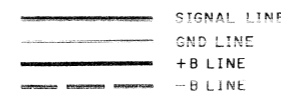
LVD-K7100(M)(3/5)



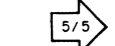
(X35-2080-23)

- IC1 : HA11528
- IC2 : MSM7400RS
- IC3 : CXL1009P
- IC4 : M50554-270SP
- IC5,6 : NJM4565D
- IC7 : HD49403NT
- IC8 : LVA519S
- IC9 : TC74HC00AP

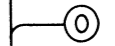
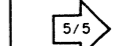
- Q2,3,6,7,29,30,32 : 2SC1923(R,O)
- Q4,5,8,10,14,19,20,23,31,33,34,37,39,40 : 2SC3311A(Q,R) or 2SC1740S(Q,R)
- Q9,11~13,15,16,18,21,27,36,46~48 : 2SA1309A(Q,R) or 2SA933S(Q,R)
- Q17 : 2SK163(L,M)
- Q26,49 : UN4112 or DTA124ES
- Q28 : RN1226
- Q35 : UN4212 or DTC124ES
- D1,2 : KVI230Z
- D3~11 : ISS133 or HSS104



(X35)(G/10) WH907



(X35)(G/10) WH906



• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units. DC voltage shows at STOP condition after pressing power sw. () means PLAY condition.

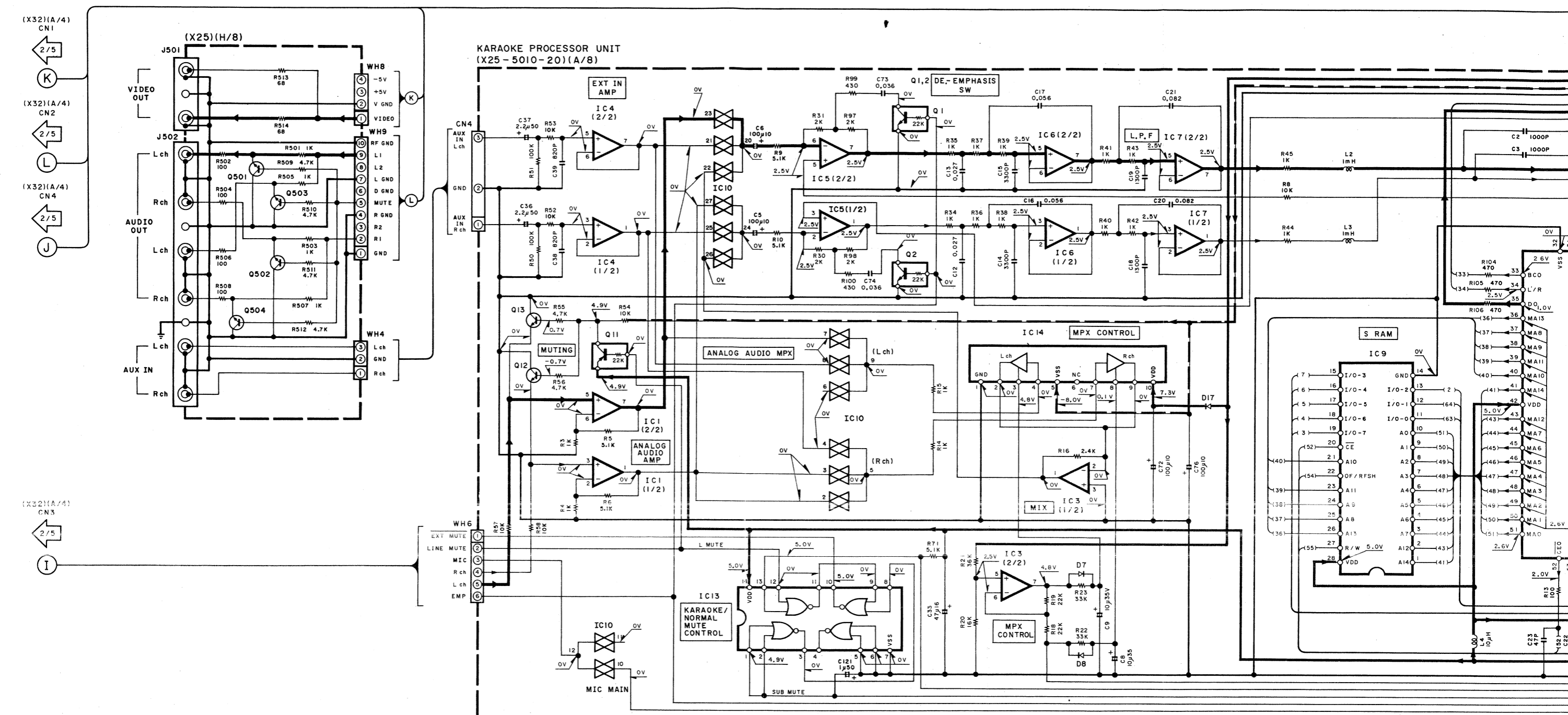
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

LVD-K7100(M)(3/5)

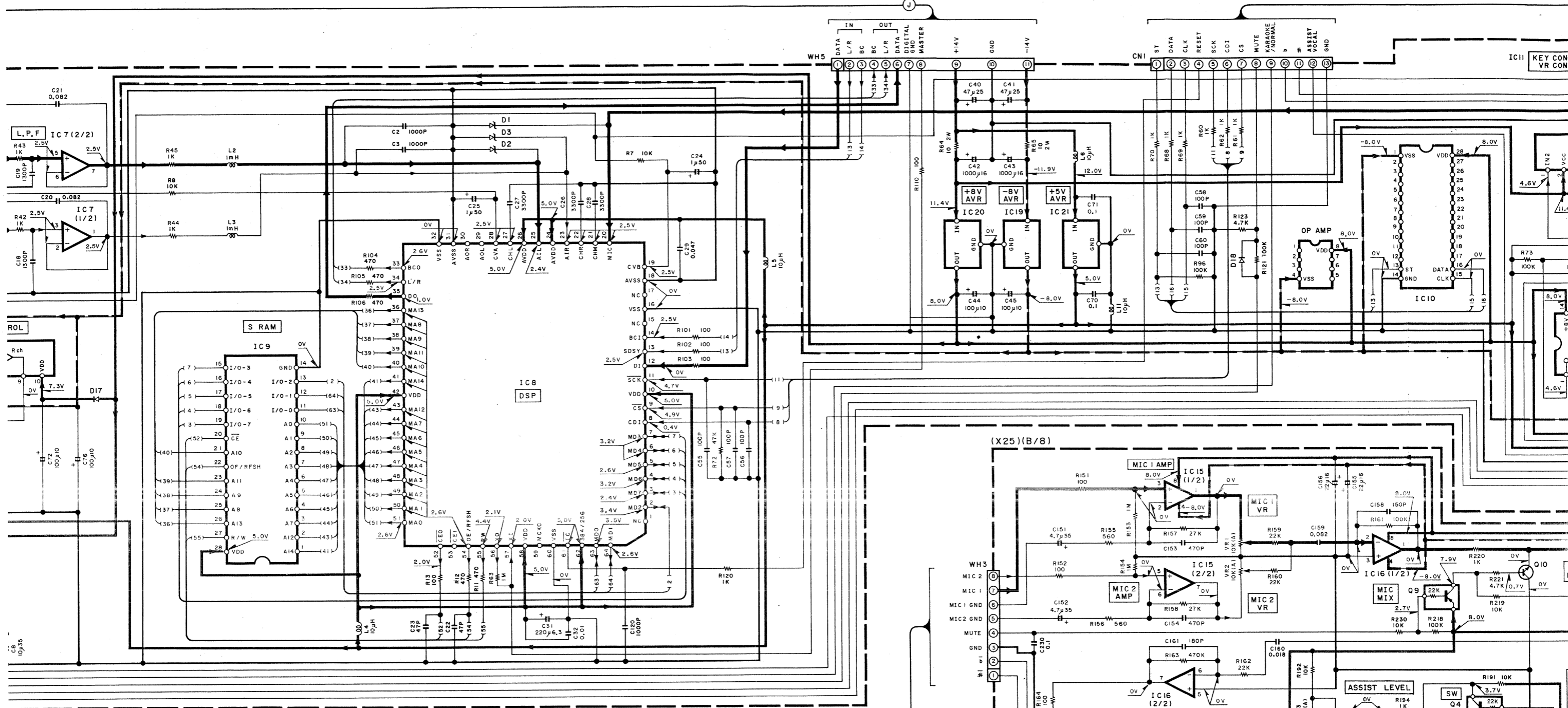
LVD-K710
KENWOOD

Y22-3040-20

KARAOKE PROCESSOR UNIT
(X25-5010-20)(A/8)

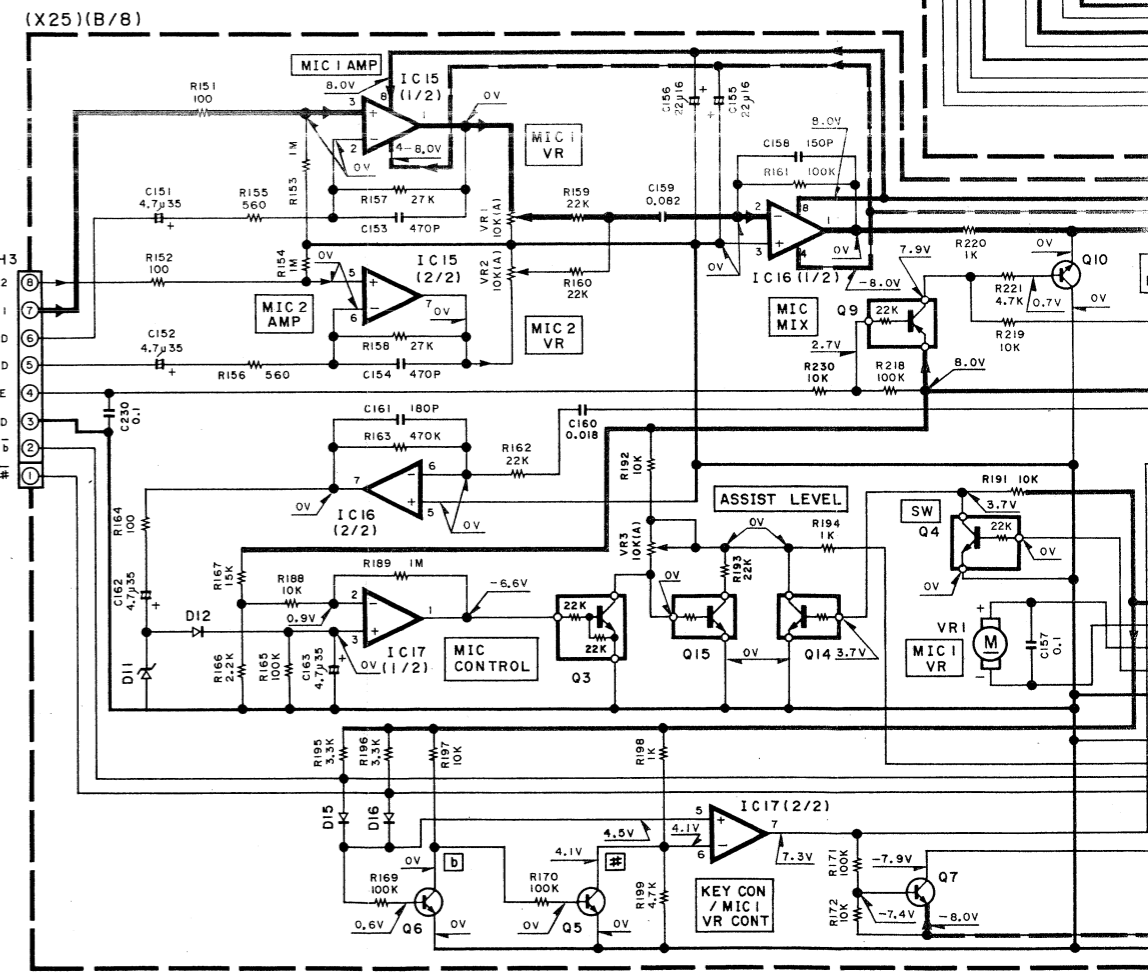
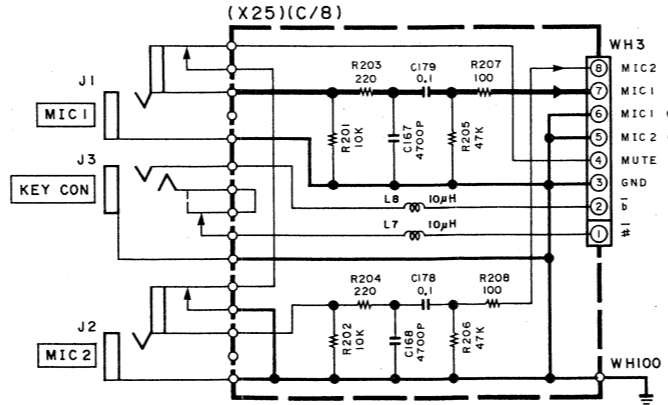


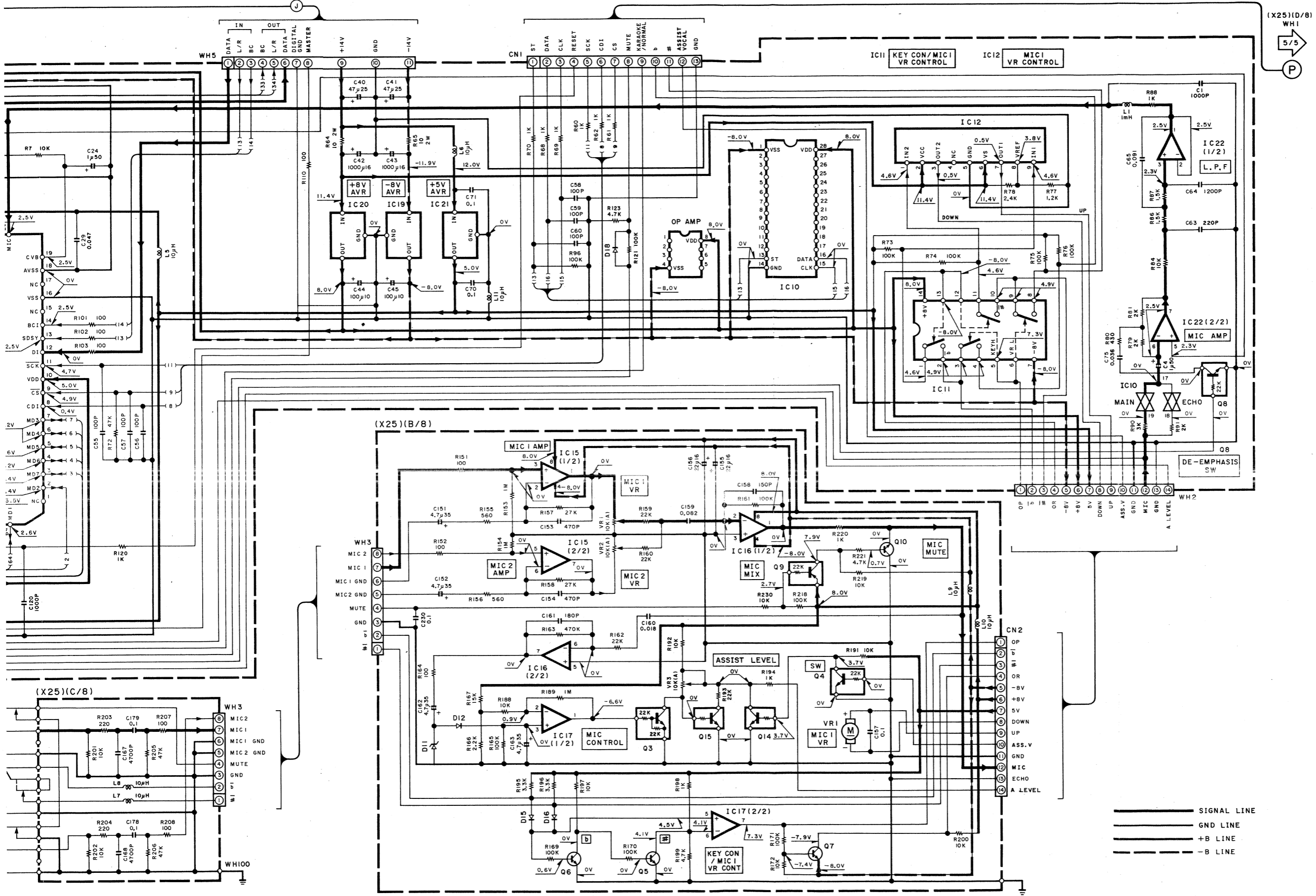
- | | | | |
|------------------|------------------------------------|-------------------|----------------------------------|
| IC1,3-7,16,17,22 | : NJM4565D | Q1,2,4,8,14,15 | : DTC124TS |
| IC8 | : YSS205-F | Q3 | : DTC124ES |
| IC9 | : TC51832SP-10 | Q5-7 | : 2SC3311A(Q,R) or 2SC2458(Y,GR) |
| IC10 | : TC9163N | Q9,11 | : UN4117 |
| IC11 | : XRU4066B or TC4066BP | Q10,12,13,501-504 | : 2SD1302(S,T) |
| IC12 | : TA8409S | | |
| IC13 | : XRU4001B or TC4001BP | D1-3,11 | : RD5.1ES(B2) or HZS5.1N(B2) |
| IC14 | : M5207L05 | D7,8,12,15-18 | : 1SS133 or HSS104 |
| IC15 | : NJM4565L-D | | |
| IC19 | : μPC7908HF or TA79008S | | |
| IC20 | : μPC7808HF or TA7808S or BA17808T | | |
| IC21 | : μPC7805HF or BA17805T | | |



- Q1,2,4,8,14,15 : DTC124TS
- Q3 : DTC124ES
- Q5-7 : 2SC3311A(Q,R) or 2SC2458(Y,GR)
- Q9,11 : UN4117
- Q10,12,13,501-504 : 2SD1302(S,T)
- D1-3,11 : RD5.1ES(B2) or HZS5.1N(B2)
- D7,8,12,15-18 : 1SS133 or HSS104

666BP
0101BP
9008S
808S or BA17808T
7805T





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

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

LVD-K7100 (M) (4/5)

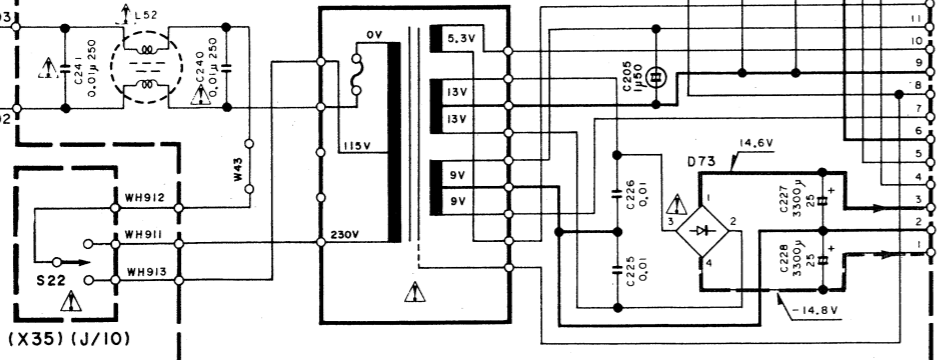
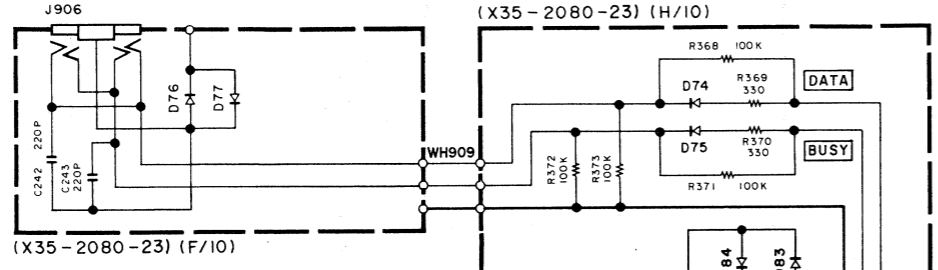
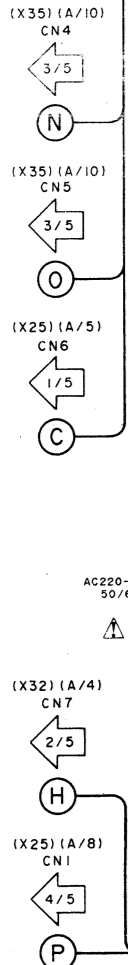
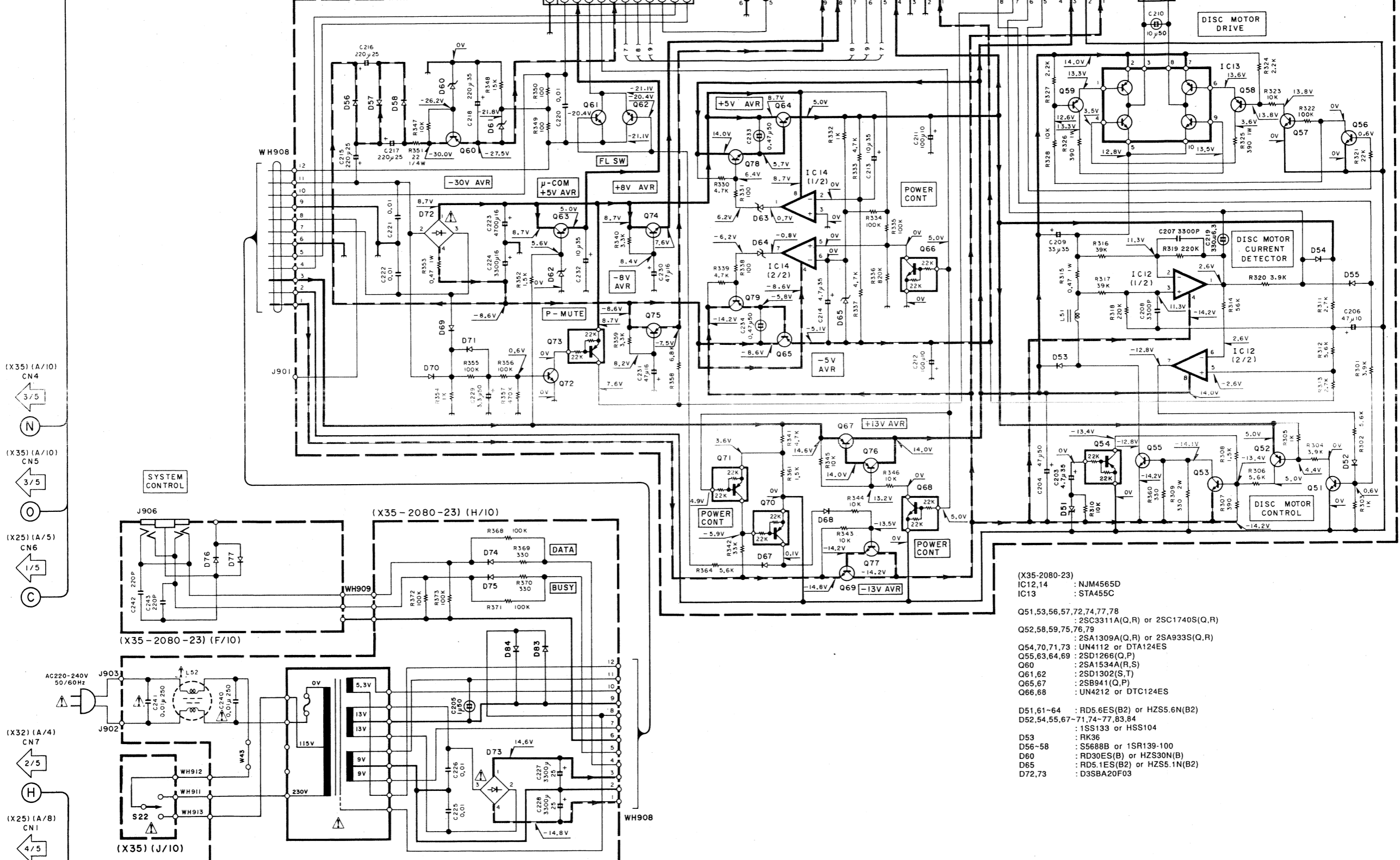
LVD-K7100

KENWOOD

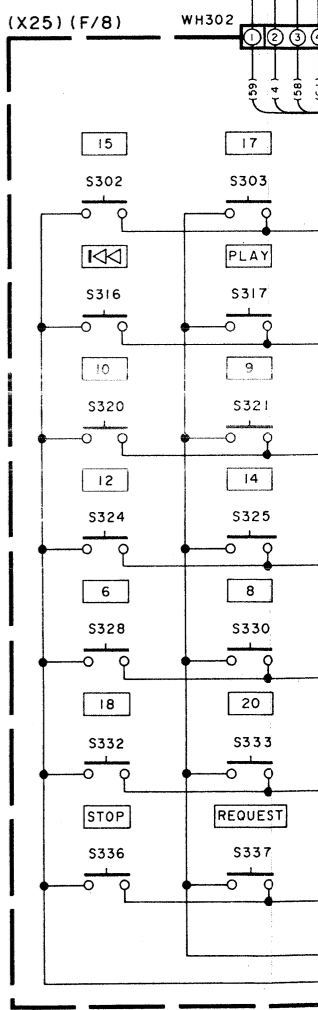
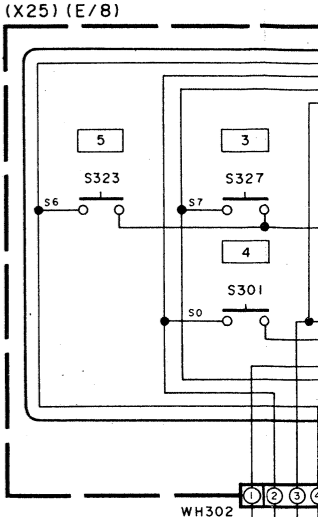
Y22-3040-20

1
2
3
4
5
6
7

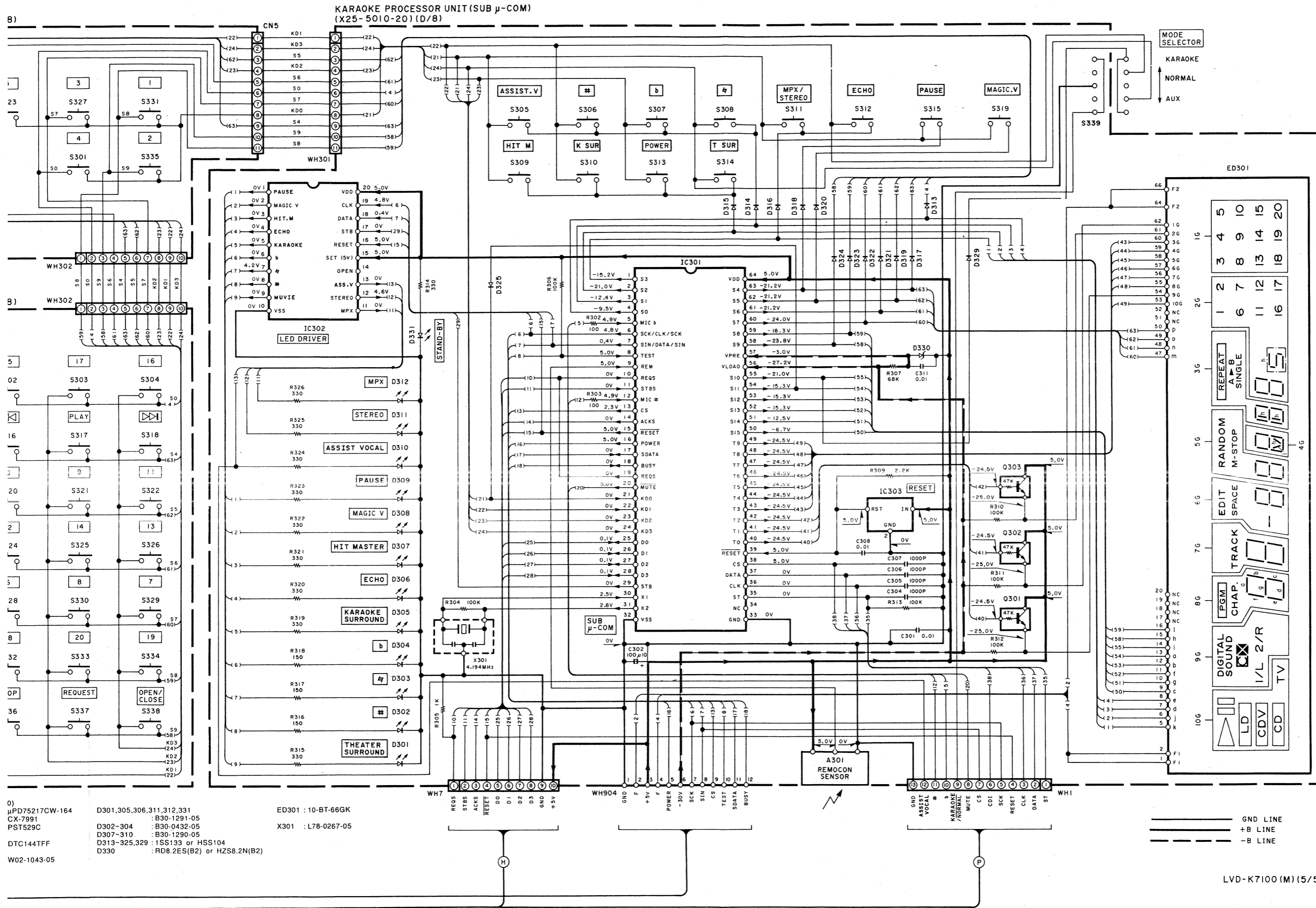
VIDEO CIRCUIT UNIT (AVR/DRIVER)
(X35-2080-23) (G/I/O)



- (X35-2080-23)
 IC12,14 : NJM4565D
 IC13 : STA455C
 Q51,53,56,57,72,74,77,78 : 2SC3311A(Q,R) or 2SC1740S(Q,R)
 Q52,58,59,75,76,79 : 2SA1309A(Q,R) or 2SA933S(Q,R)
 Q54,70,71,73 : UN4112 or DTA124ES
 Q55,63,64,69 : 2SD1266(Q,P)
 Q60 : 2SA1534A(R,S)
 Q61,62 : 2SD1302(S,T)
 Q65,67 : 2SB941(Q,P)
 Q66,68 : UN4212 or DTC124ES
 D51,61-64 : RD5.6ES(B2) or HZS5.6N(B2)
 D52,54,55,67-71,74-77,83,84 : 1SS133 or HSS104
 D53 : RK36
 D56-58 : S5688B or 1SR139-100
 D60 : RD30ES(B) or HZS30N(B)
 D65 : RD5.1ES(B2) or HZS5.1N(B2)
 D72,73 : D3SBA20F03



- (X25-5010-20)
 IC301 : μ PD75217CW-164
 IC302 : CX-7991
 IC303 : PST529C
 Q301-303 : DTC144TFF
 A301 : W02-1043-05
- D301
D302
D307
D313
D330



0) μPD7521CW-164
CX-7991
PST529C
DTC144TFF
W02-1043-05

D301,305,306,311,312,331
:B30-1291-05
D302-304 :B30-0432-05
D307-310 :B30-1290-05
D313-325,329 :1SS133 or HSS104
D330 :RD8.2ES(B2) or HZS8.2N(B2)

ED301 : 10-BT-66GK
X301 : L78-0267-05

— GND LINE
— +B LINE
— -B LINE

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

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.

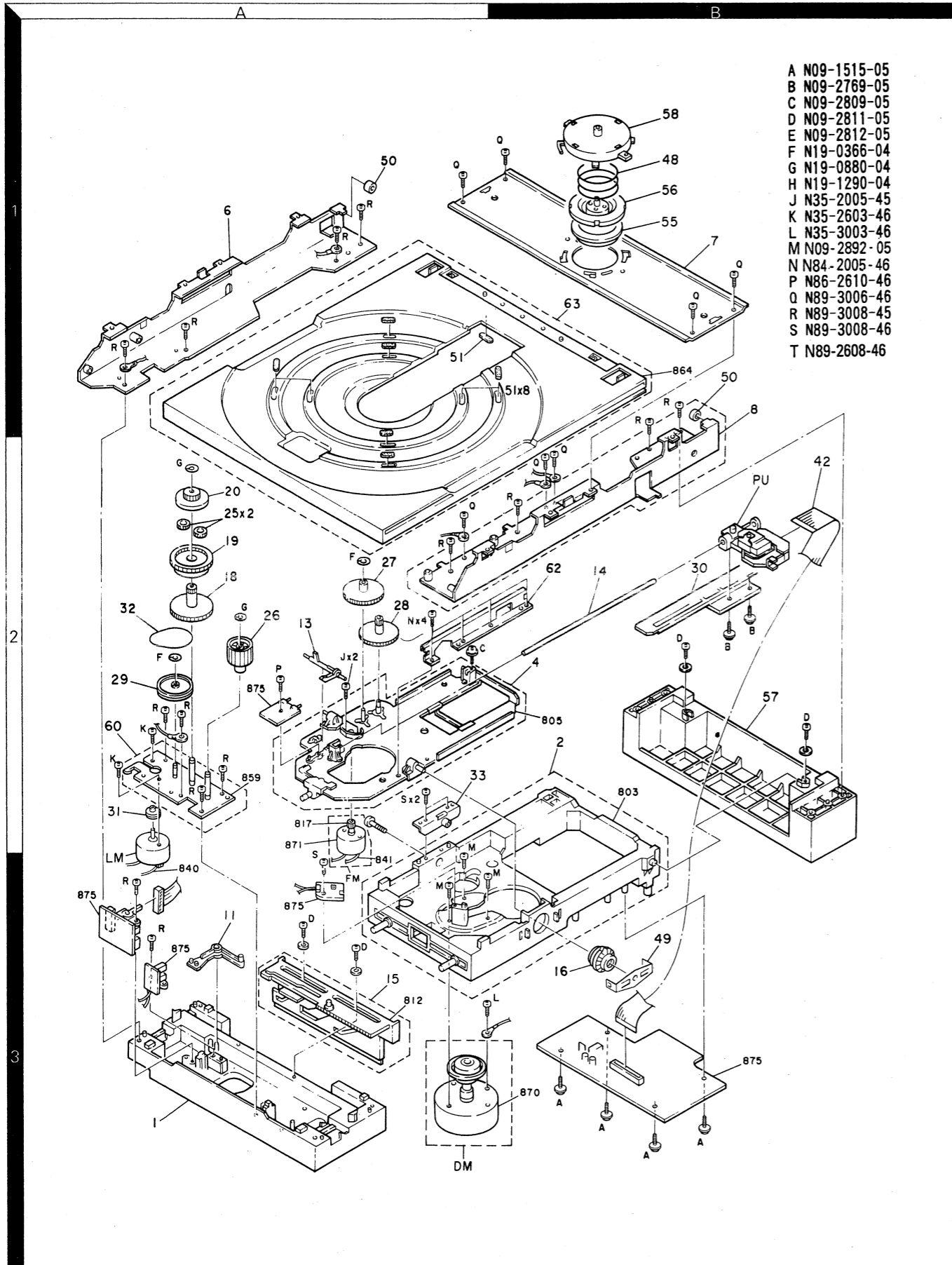
LVD-K7100 (M) (5/5)

Y22-3040-20

LVD-K710
KENWOOD

LVD-K7100

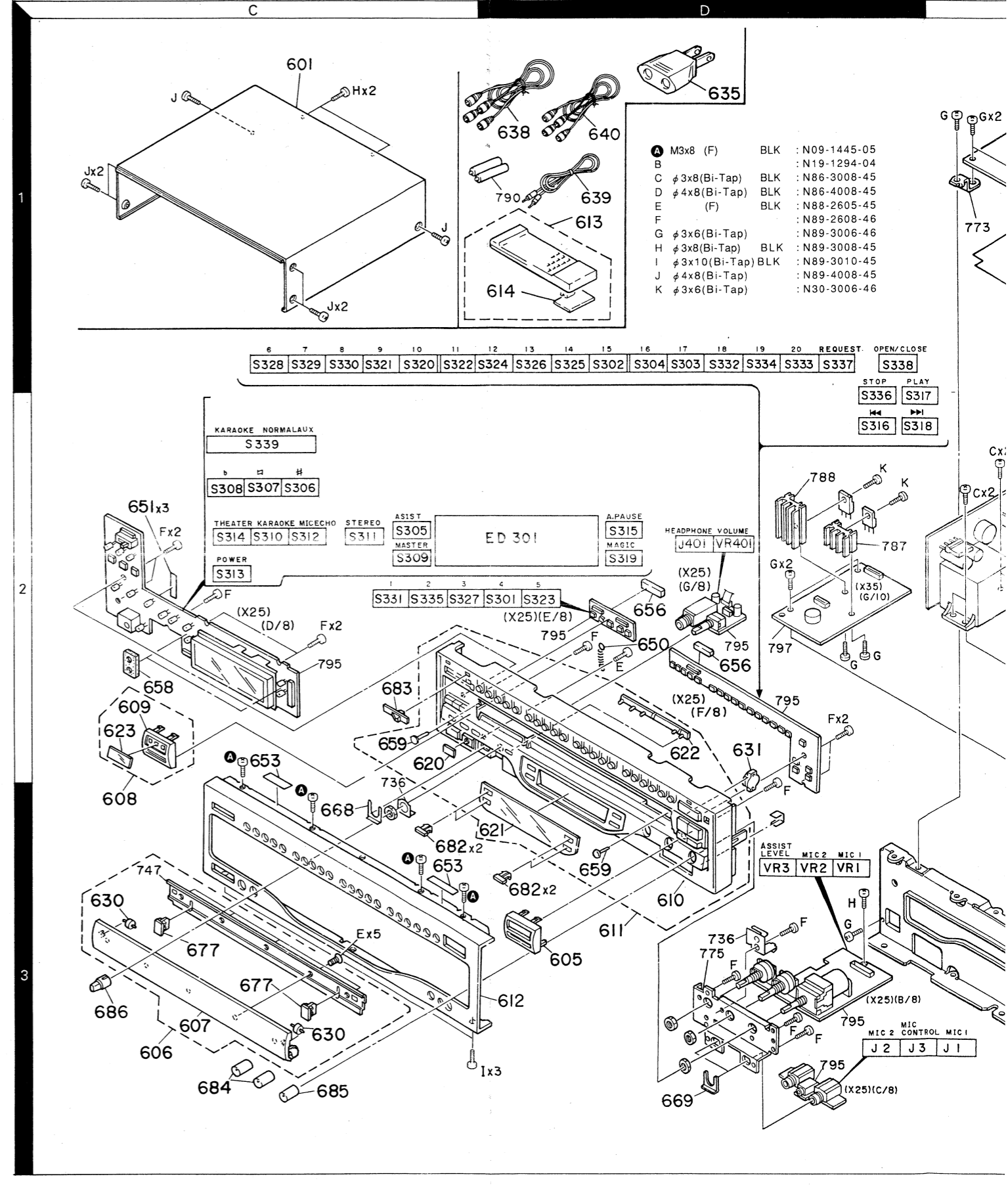
EXPLODED VIEW (MECHANISM)



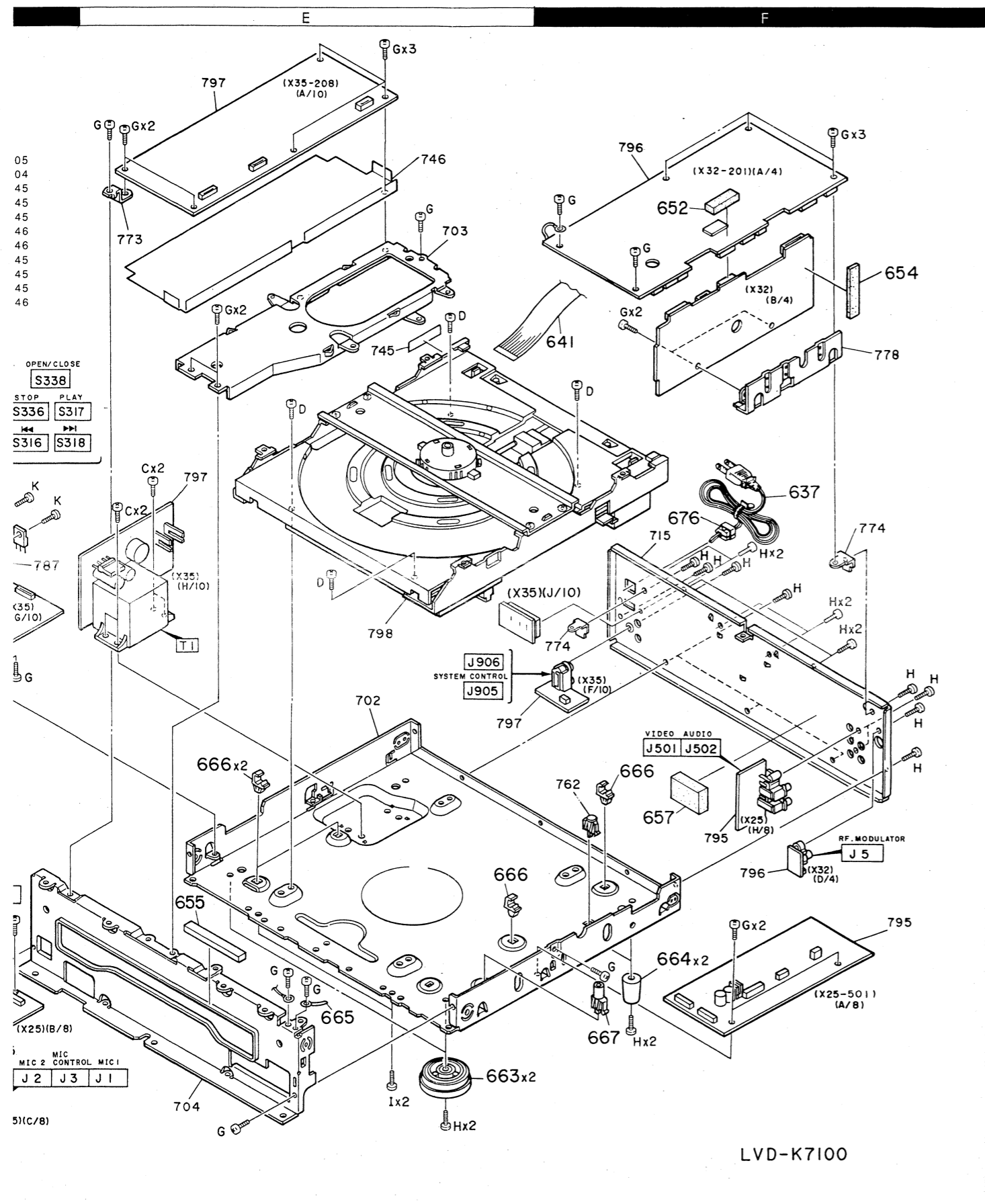
- A N09-1515-05
- B N09-2769-05
- C N09-2809-05
- D N09-2811-05
- E N09-2812-05
- F N19-0366-04
- G N19-0880-04
- H N19-1290-04
- J N35-2005-45
- K N35-2603-46
- L N35-3003-46
- M N09-2892-05
- N N84-2005-46
- P N86-2610-46
- Q N89-3006-46
- R N89-3008-45
- S N89-3008-46
- T N89-2608-46

LVD-K7100

EXPLODED VIEW



EXPLODED VIEW (UNIT)



LVD-K7100

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

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.	Address	New Parts	Parts No.	Description	Destination	Remarks
参照番号	位置	新	部品番号	部品名 / 規格	仕向	備考
LVD-K7100						
601	1C		A01-1966-11	METALLIC CABINET		
605	3D		A21-1802-04	DRESSING PANEL		
606	3C	*	A21-1813-03	DRESSING PANEL ASSY		
607	3C	*	A21-1814-02	DRESSING PANEL		
608	3C	*	A21-1815-04	DRESSING PANEL ASSY		
609	2C	*	A21-1816-04	DRESSING PANEL		
610	3D	*	A22-1580-01	SUB PANEL		
611	3D	*	A22-1581-02	SUB PANEL ASSY		
612	3D	*	A60-0284-02	PANEL		
613	1D		A70-0555-05	REMOTE CONTROLLER ASSY		
614	1D		A09-0114-08	BATTERY COVER		
620	2C	*	B03-2745-14	DRESSING PLATE		
621	3D		B10-1874-03	FRONT GLASS		
622	2D		B12-0165-04	INDICATOR		
623	2C		B12-0167-04	INDICATOR		
-		*	B60-0926-00	INSTRUCTION MANUAL		
630	3C		D14-0327-05	ROLLER ASSY		
631	2D		D39-0305-05	DAMPER		
△ 635	1D		E03-0115-05	AC PLUG ADAPTER		
△ 637	2F		E30-0459-05	AC POWER CORD		
638	1D		E30-0505-05	AUDIO CORD		
639	1D		E30-0977-05	CORD WITH PLUG		
640	1D		E30-1427-05	AUDIO CORD		
641	1F		E35-0126-05	WIRING HARNESS		
650	2D		G01-3408-14	EXTENSION SPRING		
651	2C		G10-0146-04	NON-WOVEN FABRIC		
652	1F	*	G11-0087-14	SOFT TAPE (40X10X8)		
653	2C, 3C	*	G11-0155-14	SOFT TAPE (40X9X2)		
654	1F		G11-1055-04	SOFT TAPE		
655	3E	*	G11-2093-04	CUSHION		
656	2D	*	G11-2103-04	CUSHION		
657	3F	*	G11-2113-04	CUSHION		
658	2C	*	G11-2114-04	CUSHION		
659	2C, 3D	*	G13-0182-04	CUSHION		
-		*	H10-5178-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5179-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H20-0567-04	PROTECTION COVER		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-0395-04	ITEM CARTON CASE		
663	3E		J02-1002-05	FOOT		
664	3F		J02-1067-05	FOOT		
665	3E		J19-0306-05	LEAD HOLDER		
666	2E, 2F		J19-3223-05	UNIT HOLDER		
667	3F		J19-3241-05	UNIT HOLDER		
668	3C		J21-3326-05	JACK MOUNTING HARDWARE		
669	3D	*	J21-3686-05	JACK MOUNTING HARDWARE		
△ 676	2F		J42-0083-05	POWER CORD BUSHING		
677	3C		J90-0681-04	RAIL		
-			J61-0088-05	WIRE BAND		
682	3C, 3D		K29-4229-04	KNØB		
683	2C		K29-4234-04	KNØB		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

LVD-K7100

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. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Desti- nation 仕向	Re- marks 備考
684	3C	*	K29-4375-04	KNØB		
685	3C	*	K29-4376-04	KNØB		
686	3C	*	K29-4377-04	KNØB		
△ T1	2E		L07-0351-05	POWER TRANSFORMER		
MECHANISM CONTROL : X25-4460-00						
C1 ,2			C90-3253-05	ELECTRØ 1UF 50WV		
C4 ,5			CF92FV1H333J	MF 0.033UF J		
C6			CC45FSL1H330J	CERAMIC 33PF J		
C7			C91-0729-05	CERAMIC 22PF J		
C8			CF92FV1H102J	MF 1000PF J		
C9			C90-3212-05	ELECTRØ 47UF 6.3WV		
C10			CF92FV1H222J	MF 2200PF J		
C11			CK45FB1H102K	CERAMIC 1000PF K		
C12 ,13			CK45FF1H103Z	CERAMIC 0.010UF Z		
C14 ,15			C90-3212-05	ELECTRØ 47UF 6.3WV		
C16 ,17			CE04KW1A470M	ELECTRØ 47UF 10WV		
C18			CF92FV1H104J	MF 0.10UF J		
C19			CF92FV1H473J	MF 0.047UF J		
C20			CF92FV1H104J	MF 0.10UF J		
CN7	1A		E40-4164-05	FLAT CABLE CONNCTOR		
CN10	1A		E40-4203-05	FLAT CABLE CONNCTOR		
L1 ,2			L40-1001-17	SMALL FIXED INDUCTØR(10UH,K)		
VR1 -3			R12-1619-05	TRIMMING PØT.(4.7K)BALANCE		
VR4			R12-3685-05	TRIMMING PØT.(10K) TE BAL		
S1 ,2			S40-1139-05	PUSH SWITCH		
S3			S64-0001-05	LEVER SWITCH		
PH1			T95-0048-05	ØPTØ ISOLATOR		
PH2			T95-0108-05	ØPTØ ISOLATOR		
IC1 -3			NJM2058D	IC(ØP AMP X4)		
IC1 -3			UPC4574C	IC(ØP AMP X4)		
Q1 ,2			DTC124ES	DIGITAL TRANSISTØR		
Q3			DTA124ES	DIGITAL TRANSISTØR		
Q3			UN4112	TRANSISTØR		
Q4			2SA954(L,K)	TRANSISTØR		
Q5			2SC3246	TRANSISTØR		
Q6			DTC124ES	DIGITAL TRANSISTØR		
Q7			2SC1740S(Q,R)	TRANSISTØR		
Q7			2SC3311A(Q,R)	TRANSISTØR		
KARAOKE PROCESSOR UNIT : X25-5010-20						
D301			B30-1291-05	LED		
D302-304			B30-0432-05	LED(LN31GCPH(U))		
D305,306			B30-1291-05	LED		
D307-310			B30-1290-05	LED		
D311,312			B30-1291-05	LED		
D331			B30-1291-05	LED		
C1 -3			CF92FV1H102J	MF 1000PF J		
C4			CE04KW1H010M	ELECTRØ 1.0UF 50WV		
C5 ,6			CE04KW1A101M	ELECTRØ 100UF 10WV		
C8 ,9			CE04KW1V100M	ELECTRØ 10UF 35WV		
C12 ,13			CF92FV1H273J	MF 0.027UF J		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

LVD-K7100

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C14 ,15			CF92FV1H332J	MF 3300PF J		
C16 ,17			CF92FV1H563J	MF 0.056UF J		
C18 ,19			CF92FV1H132J	MF 1300PF J		
C20 ,21			CF92FV1H823J	MF 0.082UF J		
C22 ,23			CC45FSL1H470J	CERAMIC 47PF J		
C24 ,25			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C26 -28			CF92FV1H332J	MF 3300PF J		
C29			CF92FV1H473J	MF 0.047UF J		
C31			CE04KWOJ221M	ELECTRO 220UF 6.3WV		
C32			CF92FV1H103J	MF 0.010UF J		
C33			CE04KW1C470M	ELECTRO 47UF 16WV		
C36 ,37			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C38 ,39			CF92FV1H821J	MF 820PF J		
C40 ,41			CE04KW1E470M	ELECTRO 47UF 25WV		
C42 ,43			CE04KW1C102M	ELECTRO 1000UF 16WV		
C44 ,45			CE04KW1A101M	ELECTRO 100UF 10WV		
C55			C91-0745-05	CERAMIC 100PF K		
C56 -60			CC45FSL1H101J	CERAMIC 100PF J		
C63			CC45FSL1H221J	CERAMIC 220PF J		
C64			CF92FV1H122J	MF 1200PF J		
C65			CF92FV1H913J	MF 0.091UF J		
C70 ,71			CF92FV1H104J	MF 0.10UF J		
C72			CE04KW1A101M	ELECTRO 100UF 10WV		
C73 -75			CF92FV1H363J	MF 0.036UF J		
C76			CE04KW1A101M	ELECTRO 100UF 10WV		
C120			CK45FB1H102K	CERAMIC 1000PF K		
C121			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C151,152			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C153,154			CF92FV1H471J	MF 470PF J		
C155,156			CE04KW1C220M	ELECTRO 22UF 16WV		
C157			CF92FV1H104J	MF 0.10UF J		
C158			CF92FV1H151K	MF 150PF K		
C159			CF92FV1H823J	MF 0.082UF J		
C160			CF92FV1H183J	MF 0.018UF J		
C161			CC45FSL1H181J	CERAMIC 180PF J		
C162,163			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C167,168			CF92FV1H472J	MF 4700PF J		
C178,179			CF92FV1H104J	MF 0.10UF J		
C230			CF92FV1H104J	MF 0.10UF J		
C301			C91-0769-05	CERAMIC 0.01UF K		
C302			CE04CW1A101M	ELECTRO 100UF 10WV		
C304-307			C91-0757-05	CERAMIC 1000PF K		
C308			C91-0769-05	CERAMIC 0.01UF K		
C311			C91-0769-05	CERAMIC 0.01UF K		
C401,402			CE04KW1A101M	ELECTRO 100UF 10WV		
C403,404			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C405			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1 ,2			E11-0224-05	PHONE JACK (MIC)		
J3			E11-0218-05	MINIATURE PHONE JACK(KEY CON)		
J401			E11-0190-05	PHONE JACK (HEADPHONE)		
J501		*	E63-0061-05	PHONE JACK (VIDEO)		
J502		*	B63-0051-05	PHONE JACK (AUDIO/AUX)		
L1 -3			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L4 -6			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
L7 ,8 L9 -11 X301			L40-1001-16 L40-1001-17 L78-0267-05	SMALL FIXED INDUCTOR(10UH,K) SMALL FIXED INDUCTOR(10UH,K) RESONATOR (4.194MHZ)		
R64 ,65 VR1 VR2 ,3 VR401			RS14KB3D100J R29-3033-05 R01-3055-05 R10-4041-05	FL-PROOF RS 10 J 2W POTENTIOMETER (MIC) POTENTIOMETER (MIC/ECHO) POTENTIOMETER (HEADPHONE)		
S301-338 S339			S40-1064-05 S62-0009-05	PUSH SWITCH SLIDE SWITCH (MODE SELECT)		
D1 -3 D1 -3 D7 ,8 D7 ,8 D11			HZS5.1N(B2) RD5.1ES(B2) HSS104 1SS133 HZS5.1N(B2)	ZENER DIODE ZENER DIODE DIODE DIODE ZENER DIODE		
D11 D12 D12 D15 -18 D15 -18			RD5.1ES(B2) HSS104 1SS133 HSS104 1SS133	ZENER DIODE DIODE DIODE DIODE DIODE		
D313-325 D313-325 D329 D329 D330			HSS104 1SS133 HSS104 1SS133 HZS8.2N(B2)	DIODE DIODE DIODE DIODE ZENER DIODE		
D330 D401,402 D401,402 ED301 IC1			RD8.2ES(B2) HSS104 1SS133 10-BT-66GK NJM4565D	ZENER DIODE DIODE DIODE INDICATOR TUBE IC(OP AMP X2)		
IC3 -7 IC8 IC9 IC10 IC11			NJM4565D YSS205-F TC51832SP-10 TC9163N TC4066BP	IC(OP AMP X2) IC(SIGNALPROCESSOR FOR KARAOKE) IC(STATIC RAM) IC(BILATERAL SWITCH X16) IC(ANALOG/ DIGITAL SW)		
IC11 IC12 IC13 IC13 IC14			XRU4066B TA8409S TC4001BP XRU4001B M5207L05	IC(ANALOG SWITCH) IC(MOTOR CONTROL) IC(NOR X6) IC(NOR GATE) IC(DUAL VCA)		
IC15 IC16,17 IC18 IC19 IC19			NJM4565L-D NJM4565D NJM4580L TA79008S UPC7908HF	IC(OP AMP X2) IC(OP AMP X2) IC(OP AMP) IC(VOLTAGE REGULATOR) IC(VOLTAGE REGULATOR/ -8V/1A)		
IC20 IC20 IC20 IC21 IC21			BA17808T TA7808S UPC7808HF BA17805T UPC7805HF	IC(VOLTAGE REGULATOR) IC(VOLTAGE REGULATOR/ +8V) IC(VOLTAGE REGULATOR/ +8V) IC(VOLTAGE REGULATOR/ +5V) IC(VOLTAGE REGULATOR/ +5V)		
IC22 IC301 IC302 IC303 Q1 ,2		*	NJM4565D UPD75217CW-164 CX-7991 PST529C DTC124TS	IC(OP AMP X2) CUSTOM IC IC(SERIAL/PARALLEL CONVERTER) IC(SYSTEM RESET) DIGITAL TRANSISTOR		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

⚠ indicates safety critical components.

LVD-K7100

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
C393, 394 C395, 396 C403, 404 C407, 408 C411			CF92FV1H682J CF92FV1H102J C90-3215-05 C90-1352-05 CK45FF1H103Z	MF 6800PF J MF 1000PF J ELECTRØ 220UF 6.3WV NP-ELEC 4.7UF 25WV CERAMIC 0.010UF Z		
C413 C414 C415 C416 C417, 418			CF92FV1H223J CE04KW1V100M CC45FSL1H330J CE04KW1V100M CK45FF1H103Z	MF 0.022UF J ELECTRØ 10UF 35WV CERAMIC 33PF J ELECTRØ 10UF 35WV CERAMIC 0.010UF Z		
C419 C420 C421 C422 C427			CC45FSL1H470J CC45FSL1H100D CC45FSL1H101J CF92FV1H102J CE04KW1A221M	CERAMIC 47PF J CERAMIC 10PF D CERAMIC 100PF J MF 1000PF J ELECTRØ 220UF 10WV		
C428 C429 C430 C431 C432-434			CK45FF1H103Z CE04KW1A101M CK45FF1H103Z CE04KW1A101M CK45FF1H103Z	CERAMIC 0.010UF Z ELECTRØ 100UF 10WV CERAMIC 0.010UF Z ELECTRØ 100UF 10WV CERAMIC 0.010UF Z		
C436 C437 C438 C439 C440			CK45FF1H103Z CC45FSL1H120J CC45FSL1H680J CF92FV1H682J CE04KW1H010M	CERAMIC 0.010UF Z CERAMIC 12PF J CERAMIC 68PF J MF 6800PF J ELECTRØ 1.0UF 50WV		
C441 C442-445 C446, 447 C449 C450			CF92FV1H332J CF92FV1H104J CE04KW1A101M CE04KW1C330M CC45FSL1H101J	MF 3300PF J MF 0.10UF J ELECTRØ 100UF 10WV ELECTRØ 33UF 16WV CERAMIC 100PF J		
C451, 452 C457 C459 C460, 461 C462			CF92FV1H103J CK45FF1H103Z CK45FB1H102K CK45FF1H103Z CK45FB1H102K	MF 0.010UF J CERAMIC 0.010UF Z CERAMIC 1000PF K CERAMIC 0.010UF Z CERAMIC 1000PF K		
C463, 464 C465 C466 C467 C468			CE04KW1A101M CE04KW1C470M CK45FF1H103Z CE04KW1H010M C91-0757-05	ELECTRØ 100UF 10WV ELECTRØ 47UF 16WV CERAMIC 0.010UF Z ELECTRØ 1.0UF 50WV CERAMIC 1000PF K		
C501			C91-0751-05	CERAMIC 330PF K		
J5			E56-0004-05	CYLINDRICAL RECEPTACLE(RF CON)		
L8 L51, 52 L53 L54 L55			L40-1031-46 L40-6801-17 L79-0797-05 L40-1211-17 L40-6801-17	SMALL FIXED INDUCTØR(10MH, K) SMALL FIXED INDUCTØR(68UH, K) LC FILTER SMALL FIXED INDUCTØR(120UH, K) SMALL FIXED INDUCTØR(68UH, K)		
L56 L57 L58 L59 L101, 102			L40-6891-17 L40-1001-17 L40-2211-17 L40-1211-17 L40-1091-17	SMALL FIXED INDUCTØR(6.8UH, K) SMALL FIXED INDUCTØR(10UH, K) SMALL FIXED INDUCTØR(220UH, K) SMALL FIXED INDUCTØR(120UH, K) SMALL FIXED INDUCTØR		
X51			L77-1129-05	CRYSTAL RESONATØR(16.9525MHZ)		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

▲ indicates safety critical components.

LVD-K7100

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
X52			L78-0280-05	RESONATOR (10.000MHZ)		
VR4 ,5			R12-1084-05	TRIM POT. 1K		
D1			HSS104	DIODE		
D1			1SS133	DIODE		
D2 ,3			S5688B	DIODE		
D2 ,3			1SR139-100	DIODE		
D4			HSS104	DIODE		
D4			1SS133	DIODE		
D51			1SV147	VARISTOR		
D53			HSS104	DIODE		
D53			1SS133	DIODE		
D55 -57			HSS104	DIODE		
D55 -57			1SS133	DIODE		
D61 ,62			HSS104	DIODE		
D61 ,62			1SS133	DIODE		
D63 -66			HZS3.9N(B)	ZENER DIODE		
D63 -66			RD3.9ES(B)	ZENER DIODE		
D67 ,68			HZS5.1N(B)	ZENER DIODE		
D67 ,68			RD5.1ES(B)	ZENER DIODE		
D69			HZS5.1N(B2)	ZENER DIODE		
D69			RD5.1ES(B2)	ZENER DIODE		
D70 -72			HSS104	DIODE		
D70 -72			1SS133	DIODE		
IC1 ,2			NJM4565D	IC(OP AMP X2)		
IC3			HA11529	IC(CA/LD SERVØ IC)		
IC4 ,5			LA6510	IC(DUAL POWER OP AMP)		
IC6			NJM4565D	IC(OP AMP X2)		
IC51			PA0034A	IC(AUDIO SYSTEM IC FOR LD)		
IC53,54			NJM4565D	IC(OP AMP X2)		
IC55			TC74HC00AP	IC(QUAD 2-INPUT NAND GATE)		
IC56			NJM4565D	IC(OP AMP X2)		
IC57			CXD2500AQ	IC(SIGNAL PROCESSOR)		
IC58			SM5840CP	IC(DIGITAL FILTER)		
IC59			NJM4565D	IC(OP AMP X2)		
IC60			PCM1700U	IC(D/A CONVETER)		
IC61			TC74HC74AP	IC(DUAL D-TYPE FLIP FLOP)		
IC63,64			NJM4565D	IC(OP AMP X2)		
IC65,66			TC4052BP	IC(4CH MPX/DE-MPX)		
IC67			NJM4565D	IC(OP AMP X2)		
IC68			M37450M8-492SP	IC(MICROPROCESSOR)		
IC69			PD0011A	IC(DECODER)		
IC70			TC74HC00AP	IC(QUAD 2-INPUT NAND GATE)		
IC71			NJM4565D	IC(OP AMP X2)		
IC72			TC74HC123AP	IC(MULTIVIBRATOR)		
Q1			DTC124ES	DIGITAL TRANSISTOR		
Q1			UN4212	TRANSISTOR		
Q2			2SK246(Y,GR)	FET		
Q3			DTA124ES	DIGITAL TRANSISTOR		
Q3			UN4112	TRANSISTOR		
Q4 -6			DTC124ES	DIGITAL TRANSISTOR		
Q4 -6			UN4212	TRANSISTOR		
Q7			2SK246(Y,GR)	FET		
Q8 ,9			DTA124ES	DIGITAL TRANSISTOR		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

▲ indicates safety critical components.

LVD-K7100

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
Q8 ,9			UN4112	TRANSISTOR		
Q10			DTC124ES	DIGITAL TRANSISTOR		
Q10			UN4212	TRANSISTOR		
Q11 ,12			DTA124ES	DIGITAL TRANSISTOR		
Q11 ,12			UN4112	TRANSISTOR		
Q13			2SK246(Y,GR)	FET		
Q51			2SC1923(R,Ø)	TRANSISTOR		
Q52			2SC1740S(Q,R)	TRANSISTOR		
Q52			2SC3311A(Q,R)	TRANSISTOR		
Q53 ,54			2SA1309A(Q,R)	TRANSISTOR		
Q53 ,54			2SA933S(Q,R)	TRANSISTOR		
Q55			DTC124ES	DIGITAL TRANSISTOR		
Q55			UN4212	TRANSISTOR		
Q56 -59			2SC1740S(Q,R)	TRANSISTOR		
Q56 -59			2SC3311A(Q,R)	TRANSISTOR		
Q60			2SA1309A(Q,R)	TRANSISTOR		
Q60			2SA933S(Q,R)	TRANSISTOR		
Q61			2SC1740S(Q,R)	TRANSISTOR		
Q61			2SC3311A(Q,R)	TRANSISTOR		
Q62 ,63			DTC124ES	DIGITAL TRANSISTOR		
Q62 ,63			UN4212	TRANSISTOR		
Q64			2SC1740S(Q,R)	TRANSISTOR		
Q64			2SC3311A(Q,R)	TRANSISTOR		
Q67 ,68			2SC2878(B)	TRANSISTOR		
Q73			DTA124ES	DIGITAL TRANSISTOR		
Q73			UN4112	TRANSISTOR		
Q74			2SA1309A(Q,R)	TRANSISTOR		
Q74			2SA933S(Q,R)	TRANSISTOR		
Q75			2SC1740S(Q,R)	TRANSISTOR		
Q75			2SC3311A(Q,R)	TRANSISTOR		
Q76 ,77			DTA124ES	DIGITAL TRANSISTOR		
Q76 ,77			UN4112	TRANSISTOR		
Q78			2SC1740S(Q,R)	TRANSISTOR		
Q78			2SC3311A(Q,R)	TRANSISTOR		
Q79			DTA124ES	DIGITAL TRANSISTOR		
Q79			UN4112	TRANSISTOR		
Q80			2SC1740S(Q,R)	TRANSISTOR		
Q80			2SC3311A(Q,R)	TRANSISTOR		
Q81			DTC124ES	DIGITAL TRANSISTOR		
Q81			UN4212	TRANSISTOR		
VIDEO CIRCUIT UNIT : X35-2080-23						
C1			CC45FSL1H101J	CERAMIC 100PF J		
C2			CC45FSL1H181J	CERAMIC 180PF J		
C4 -8			CK45FF1H103Z	CERAMIC 0.010UF Z		
C9 ,10			C90-3222-05	ELECTRO 100UF 10WV		
C11 ,12			CC45FSL1H121J	CERAMIC 120PF J		
C13			CC45FSL1H221J	CERAMIC 220PF J		
C14			CC45FSL1H331J	CERAMIC 330PF J		
C15			CC45FSL1H150J	CERAMIC 15PF J		
C16			CC45FSL1H470J	CERAMIC 47PF J		
C17			CC45FSL1H150J	CERAMIC 15PF J		
C18			CK45FF1H103Z	CERAMIC 0.010UF Z		
C19			C90-3211-05	ELECTRO 33UF 6.3WV		
C20			CF92FV1H104J	MF 0.10UF J		
C21			CK45FF1H103Z	CERAMIC 0.010UF Z		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
C22			CF92FV1H103J	MF	0.010UF	J
C23			CK45FF1H103Z	CERAMIC	0.010UF	Z
C24			CC45FSL1H560J	CERAMIC	56PF	J
C25			CK45FF1H103Z	CERAMIC	0.010UF	Z
C26			CC45FSL1H560J	CERAMIC	56PF	J
C27			CC45FSL1H120J	CERAMIC	12PF	J
C28			CC45FSL1H100D	CERAMIC	10PF	D
C29			CC45FSL1H560J	CERAMIC	56PF	J
C30			CC45FSL1H030C	CERAMIC	3.0PF	C
C31			CC45FSL1H180J	CERAMIC	18PF	J
C32			CK45FF1H103Z	CERAMIC	0.010UF	Z
C33	, 34		C90-3222-05	ELECTRO	100UF	10WV
C35			C90-3242-05	ELECTRO	4.7UF	35WV
C36			CK45FF1H103Z	CERAMIC	0.010UF	Z
C37			C90-3222-05	ELECTRO	100UF	10WV
C38			C90-3242-05	ELECTRO	4.7UF	35WV
C39			C90-3253-05	ELECTRO	1UF	50WV
C40			CK45FB1H102K	CERAMIC	1000PF	K
C41			CK45FF1H103Z	CERAMIC	0.010UF	Z
C42			C90-3217-05	ELECTRO	10UF	10WV
C43			CC45FSL1H560J	CERAMIC	56PF	J
C44			CC45FSL1H100D	CERAMIC	10PF	D
C45			CC45FSL1H560J	CERAMIC	56PF	J
C46			C90-3242-05	ELECTRO	4.7UF	35WV
C47			C90-3212-05	ELECTRO	47UF	6.3WV
C48			CK45FF1H103Z	CERAMIC	0.010UF	Z
C49			C90-3212-05	ELECTRO	47UF	6.3WV
C50			CK45FF1H103Z	CERAMIC	0.010UF	Z
C51			CC45FSL1H181J	CERAMIC	180PF	J
C52			C90-3216-05	ELECTRO	330UF	6.3WV
C53			CC45FSL1H100D	CERAMIC	10PF	D
C54			CC45FSL1H101J	CERAMIC	100PF	J
C55			C90-3216-05	ELECTRO	330UF	6.3WV
C56			C90-3248-05	ELECTRO	0.1UF	50WV
C57			CK45FB1H102K	CERAMIC	1000PF	K
C58	-60		C90-3231-05	ELECTRO	3.3UF	25WV
C61			CK45FF1H103Z	CERAMIC	0.010UF	Z
C62			C90-3212-05	ELECTRO	47UF	6.3WV
C63			CK45FF1H103Z	CERAMIC	0.010UF	Z
C64			C90-3212-05	ELECTRO	47UF	6.3WV
C65	, 66		CK45FF1H103Z	CERAMIC	0.010UF	Z
C67			C90-3216-05	ELECTRO	330UF	6.3WV
C68	, 69		CK45FF1H103Z	CERAMIC	0.010UF	Z
C70			C90-3212-05	ELECTRO	47UF	6.3WV
C71			CC45FSL1H560J	CERAMIC	56PF	J
C72			CC45FSL1H270J	CERAMIC	27PF	J
C73			C90-3248-05	ELECTRO	0.1UF	50WV
C74			CC45FSL1H101J	CERAMIC	100PF	J
C75			C90-3253-05	ELECTRO	1UF	50WV
C76			C90-3222-05	ELECTRO	100UF	10WV
C77			C90-3209-05	ELECTRO	10UF	6.3WV
C78			CC45FCH1H070D	CERAMIC	7.0PF	D
C79			CC45FCH1H220J	CERAMIC	22PF	J
C80			C90-3209-05	ELECTRO	10UF	6.3WV
C81			CK45FF1H103Z	CERAMIC	0.010UF	Z

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

LVD-K7100

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
C82			CC45FSL1H101J	CERAMIC 100PF J		
C83 ,84			CK45FF1H103Z	CERAMIC 0.010UF Z		
C85			CK45FB1H102K	CERAMIC 1000PF K		
C86			C90-3253-05	ELECTRO 1UF 50WV		
C87 ,88			C90-3212-05	ELECTRO 47UF 6.3WV		
C89			CC45FSL1H150J	CERAMIC 15PF J		
C90			C90-3222-05	ELECTRO 100UF 10WV		
C91			CK45FF1H103Z	CERAMIC 0.010UF Z		
C92			C90-3242-05	ELECTRO 4.7UF 35WV		
C93			CF92FV1H182J	MF 1800PF J		
C94			CF92FV1H222J	MF 2200PF J		
C95			C90-3209-05	ELECTRO 10UF 6.3WV		
C96 ,97			C90-3212-05	ELECTRO 47UF 6.3WV		
C98			C90-3242-05	ELECTRO 4.7UF 35WV		
C99 ,100			CC45FSL1H270J	CERAMIC 27PF J		
C101			CK45FF1H103Z	CERAMIC 0.010UF Z		
C102			C90-3228-05	ELECTRO 47UF 16WV		
C103			CK45FB1H102K	CERAMIC 1000PF K		
C104			CC45FSL1H101J	CERAMIC 100PF J		
C105			CK45FB1H102K	CERAMIC 1000PF K		
C106			CC45FSL1H101J	CERAMIC 100PF J		
C107			CK45FF1H103Z	CERAMIC 0.010UF Z		
C108			C90-3222-05	ELECTRO 100UF 10WV		
C109,110			CC45FSL1H101J	CERAMIC 100PF J		
C111			CC45FSL1H560J	CERAMIC 56PF J		
C112			CK45FF1H103Z	CERAMIC 0.010UF Z		
C113-115			CK45FB1H102K	CERAMIC 1000PF K		
C116,117			CK45FF1H103Z	CERAMIC 0.010UF Z		
C118			CF92FV1H124J	MF 0.12UF J		
C119			C90-3217-05	ELECTRO 10UF 10WV		
C120			CF92FV1H103J	MF 0.010UF J		
C121			CK45FF1H103Z	CERAMIC 0.010UF Z		
C122			C90-3222-05	ELECTRO 100UF 10WV		
C124			CC45FCH1H150J	CERAMIC 15PF J		
C126			CC45FSL1H470J	CERAMIC 47PF J		
C127-130			CK45FF1H103Z	CERAMIC 0.010UF Z		
C131			CF92FV1H152J	MF 1500PF J		
C132			C90-3251-05	ELECTRO 0.47UF 50WV		
C133			CF92FV1H473J	MF 0.047UF J		
C134			CF92FV1H223J	MF 0.022UF J		
C135			CF92FV1H124J	MF 0.12UF J		
C136			CC45FSL1H221J	CERAMIC 220PF J		
C137			CF92FV1H183J	MF 0.018UF J		
C138			C90-3217-05	ELECTRO 10UF 10WV		
C139			C90-3222-05	ELECTRO 100UF 10WV		
C140			CF92FV1H102J	MF 1000PF J		
C141			CF92FV1H473J	MF 0.047UF J		
C142			CK45FF1H103Z	CERAMIC 0.010UF Z		
C143			C90-3212-05	ELECTRO 47UF 6.3WV		
C144			CK45FB1H102K	CERAMIC 1000PF K		
C145			C90-3212-05	ELECTRO 47UF 6.3WV		
C146			CK45FF1H103Z	CERAMIC 0.010UF Z		
C147			CF92FV1H392J	MF 3900PF J		
C148			C90-3253-05	ELECTRO 1UF 50WV		
C149			CF92FV1H392J	MF 3900PF J		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

LVD-K7100

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. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
C150			C90-3222-05	ELECTRO 100UF 10WV		
C151			C90-3231-05	ELECTRO 3.3UF 25WV		
C152			C90-3253-05	ELECTRO 1UF 50WV		
C153			CF92FV1H153J	MF 0.015UF J		
C154			C90-3242-05	ELECTRO 4.7UF 35WV		
C155			CK45FB1H152K	CERAMIC 1500PF K		
C156			C90-3248-05	ELECTRO 0.1UF 50WV		
C157			CK45FF1H103Z	CERAMIC 0.010UF Z		
C158			C90-3222-05	ELECTRO 100UF 10WV		
C159			CK45FB1H102K	CERAMIC 1000PF K		
C166,167			CK45FF1H103Z	CERAMIC 0.010UF Z		
C203			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C204			CE04KW1H470M	ELECTRO 47UF 50WV		
C205			C90-1349-05	NP-ELEC 1UF 50WV		
C206			CE04KW1A470M	ELECTRO 47UF 10WV		
C207,208			CK45FB1H332K	CERAMIC 3300PF K		
C209			CE04KW1V330M	ELECTRO 33UF 35WV		
C210			C90-1400-05	NP-ELEC 10UF 50WV		
C211,212			CE04KW1A101M	ELECTRO 100UF 10WV		
C213			CE04KW1V100M	ELECTRO 10UF 35WV		
C214			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C215-217			CE04KW1E221M	ELECTRO 220UF 25WV		
C218			CE04DW1V221M	ELECTRO 220UF 35WV		
C219			CE04KWOJ331M	ELECTRO 330UF 6.3WV		
C220-222			CK45FF1H103Z	CERAMIC 0.010UF Z		
C223			CE04KW1C472M	ELECTRO 4700UF 16WV		
C224			CE04KW1C332M	ELECTRO 3300UF 16WV		
C225,226			CK45FF1H103Z	CERAMIC 0.010UF Z		
C227,228			CE04KW1E332M	ELECTRO 3300UF 25WV		
C229			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C230,231			CE04KW1C470M	ELECTRO 47UF 16WV		
C232			CE04KW1V100M	ELECTRO 10UF 35WV		
C233,234			C90-1331-05	NP-ELEC 0.47UF 50WV		
C240,241			C91-0647-05	CERAMIC 0.01UF AC250V		
C242,243			CC45FSL1H221J	CERAMIC 220PF J		
TC1			C05-0302-05	CERAMIC TRIMMER CAPACITOR(11PF)		
CN1	1A		E40-4254-05	FLAT CABLE CONNECTOR		
CN2	1A		E40-4031-05	FLAT CABLE CONNECTOR		
CN3	1A		E40-4254-05	FLAT CABLE CONNECTOR		
CN4	1A		E40-4298-05	FLAT CABLE CONNECTOR		
CN5	1A		E40-4233-05	FLAT CABLE CONNECTOR		
CN6	1A		E40-4295-05	FLAT CABLE CONNECTOR		
CN8	1A		E40-4254-05	FLAT CABLE CONNECTOR		
J906			B11-0188-05	MINIATURE PHONE JACK		
-			F29-0072-05	INSULATING COVER		
L1			L40-2201-17	SMALL FIXED INDUCTOR(22UH,K)		
L2	,3		L40-1501-17	SMALL FIXED INDUCTOR(15UH,K)		
L4	,5		L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L6			L40-3901-17	SMALL FIXED INDUCTOR(39UH,K)		
L7			L40-4701-17	SMALL FIXED INDUCTOR(47UH,K)		
L8			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
L9			L40-2211-17	SMALL FIXED INDUCTOR(220UH,K)		
L10			L40-6801-17	SMALL FIXED INDUCTOR(68UH,K)		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

LVD-K7100

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
L11			L40-5691-17	SMALL FIXED INDUCTOR(5.6UH,K)		
L12			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
L13			L40-1501-17	SMALL FIXED INDUCTOR(15UH,K)		
L14 ,15			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L16			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
L17			L40-3901-17	SMALL FIXED INDUCTOR(39UH,K)		
L51			L33-0367-05	CHOKER COIL		
△ L52			L79-0733-05	LINE FILTER		
L101			L40-1091-17	SMALL FIXED INDUCTOR		
X1			L77-2108-05	CRYSTAL RESONATOR(14.31818MHz)		
R309			RS14KB3D331J	FL-PROOF RS 330 J 2W		
R315			RS14KB3AR47J	FL-PROOF RS 0.47 J 1W		
R325 ,326			RS14KB3A391J	FL-PROOF RS 390 J 1W		
R351			RD14GB2E220J	FL-PROOF RD 22 J 1/4W		
R353			RS14KB3AR47J	FL-PROOF RS 0.47 J 1W		
VR1			R12-1616-05	TRIMMING POT.(1K) RF LEVEL		
VR2			R12-3688-05	TRIMMING POT.(47K) FM DET		
VR3			R12-3685-05	TRIMMING POT.(10K) DROP DET		
VR4			R12-1617-05	TRIMMING POT.(2.2K) DELAY		
VR5			R12-1616-05	TRIMMING POT.(1K) TBC		
VR6			R12-0605-05	TRIMMING POT.(220) VCO		
VR7			R12-3688-05	TRIMMING POT.(47K) CHROMA		
△ S22			S31-2128-05	SLIDE SWITCH (VOLTAGE SELECT)		
D1 ,2			KV1230Z	VARIABLE CAPACITANCE DIODE		
D3 -11			HSS104	DIODE		
D3 -11			1SS133	DIODE		
D51			HZS5.6N(B2)	ZENER DIODE		
D51			RD5.6ES(B2)	ZENER DIODE		
D52			HSS104	DIODE		
D52			1SS133	DIODE		
D53			RK36	DIODE		
D54 ,55			HSS104	DIODE		
D54 ,55			1SS133	DIODE		
D56 -58			S5688B	DIODE		
D56 -58			1SR139-100	DIODE		
D60			HZS30N(B)	ZENER DIODE		
D60			RD30ES(B)	ZENER DIODE		
D61 -64			HZS5.6N(B2)	ZENER DIODE		
D61 -64			RD5.6ES(B2)	ZENER DIODE		
D65			HZS5.1N(B2)	ZENER DIODE		
D65			RD5.1ES(B2)	ZENER DIODE		
D67 -71			HSS104	DIODE		
D67 -71			1SS133	DIODE		
△ D72 ,73			D3SBA20F03	DIODE		
D74 -77			HSS104	DIODE		
D74 -77			1SS133	DIODE		
D83 ,84			HSS104	DIODE		
D83 ,84			1SS133	DIODE		
IC1			HA11528	IC(VIDEO PROCESSOR)		
IC2			MSM7400RS	IC(DELAY LINE)		
IC3			CXL1009P	IC(SIGNAL PROCESSOR)		
IC4			M50554-27OSP	IC(CHARACTER GENERATOR)		
IC5 ,6			NJM4565D	IC(OP AMP X2)		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
IC7			HD49403NT	IC(SPINDLE SERVØ CONTROLLER)		
IC8			LVA519S	IC(SYNC.SEPARATION)		
IC9			TC74HC00AP	IC(QUAD 2-INPUT NAND GATE)		
IC12			NJM4565D	IC(OP AMP X2)		
IC13			STA455C	IC(TRANSISTØR ARRAY)		
IC14			NJM4565D	IC(OP AMP X2)		
Q2 ,3			2SC1923(R,Ø)	TRANSISTØR		
Q4 ,5			2SC1740S(Q,R)	TRANSISTØR		
Q4 ,5			2SC3311A(Q,R)	TRANSISTØR		
Q6 ,7			2SC1923(R,Ø)	TRANSISTØR		
Q8			2SC1740S(Q,R)	TRANSISTØR		
Q8			2SC3311A(Q,R)	TRANSISTØR		
Q9			2SA1309A(Q,R)	TRANSISTØR		
Q9			2SA933S(Q,R)	TRANSISTØR		
Q10			2SC1740S(Q,R)	TRANSISTØR		
Q10			2SC3311A(Q,R)	TRANSISTØR		
Q11 -13			2SA1309A(Q,R)	TRANSISTØR		
Q11 -13			2SA933S(Q,R)	TRANSISTØR		
Q14			2SC1740S(Q,R)	TRANSISTØR		
Q14			2SC3311A(Q,R)	TRANSISTØR		
Q15 ,16			2SA1309A(Q,R)	TRANSISTØR		
Q15 ,16			2SA933S(Q,R)	TRANSISTØR		
Q17			2SK163(L,M)	FET		
Q18			2SA1309A(Q,R)	TRANSISTØR		
Q18			2SA933S(Q,R)	TRANSISTØR		
Q19 ,20			2SC1740S(Q,R)	TRANSISTØR		
Q19 ,20			2SC3311A(Q,R)	TRANSISTØR		
Q21			2SA1309A(Q,R)	TRANSISTØR		
Q21			2SA933S(Q,R)	TRANSISTØR		
Q23			2SC1740S(Q,R)	TRANSISTØR		
Q23			2SC3311A(Q,R)	TRANSISTØR		
Q26			DTA124ES	DIGITAL TRANSISTØR		
Q26			UN4112	TRANSISTØR		
Q27			2SA1309A(Q,R)	TRANSISTØR		
Q27			2SA933S(Q,R)	TRANSISTØR		
Q28		*	RN1226	TRANSISTØR		
Q29 ,30			2SC1923(R,Ø)	TRANSISTØR		
Q31			2SC1740S(Q,R)	TRANSISTØR		
Q31			2SC3311A(Q,R)	TRANSISTØR		
Q32			2SC1923(R,Ø)	TRANSISTØR		
Q33 ,34			2SC1740S(Q,R)	TRANSISTØR		
Q33 ,34			2SC3311A(Q,R)	TRANSISTØR		
Q35			DTC124ES	DIGITAL TRANSISTØR		
Q35			UN4212	TRANSISTØR		
Q36			2SA1309A(Q,R)	TRANSISTØR		
Q36			2SA933S(Q,R)	TRANSISTØR		
Q37			2SC1740S(Q,R)	TRANSISTØR		
Q37			2SC3311A(Q,R)	TRANSISTØR		
Q39 ,40			2SC1740S(Q,R)	TRANSISTØR		
Q39 ,40			2SC3311A(Q,R)	TRANSISTØR		
Q44 ,45			2SC1740S(Q,R)	TRANSISTØR		
Q44 ,45			2SC3311A(Q,R)	TRANSISTØR		
Q46 -48			2SA1309A(Q,R)	TRANSISTØR		
Q46 -48			2SA933S(Q,R)	TRANSISTØR		
Q49			DTA124ES	DIGITAL TRANSISTØR		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

LVD-K7100

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
Q49			UN4112	TRANSISTOR		
Q51			2SC1740S(Q,R)	TRANSISTOR		
Q51			2SC3311A(Q,R)	TRANSISTOR		
Q52			2SA1309A(Q,R)	TRANSISTOR		
Q52			2SA933S(Q,R)	TRANSISTOR		
Q53			2SC1740S(Q,R)	TRANSISTOR		
Q53			2SC3311A(Q,R)	TRANSISTOR		
Q54			DTA124ES	DIGITAL TRANSISTOR		
Q54			UN4112	TRANSISTOR		
Q55			2SD1266(Q,P)	TRANSISTOR		
Q56 ,57			2SC1740S(Q,R)	TRANSISTOR		
Q56 ,57			2SC3311A(Q,R)	TRANSISTOR		
Q58 ,59			2SA1309A(Q,R)	TRANSISTOR		
Q58 ,59			2SA933S(Q,R)	TRANSISTOR		
Q60			2SA1534A(R,S)	TRANSISTOR		
Q61 ,62			2SD1302(S,T)	TRANSISTOR		
Q63 ,64			2SD1266(Q,P)	TRANSISTOR		
Q65			2SB941(Q,P)	TRANSISTOR		
Q66			DTC124ES	DIGITAL TRANSISTOR		
Q66			UN4212	TRANSISTOR		
Q67			2SB941(Q,P)	TRANSISTOR		
Q68			DTC124ES	DIGITAL TRANSISTOR		
Q68			UN4212	TRANSISTOR		
Q69			2SD1266(Q,P)	TRANSISTOR		
Q70 ,71			DTA124ES	DIGITAL TRANSISTOR		
Q70 ,71			UN4112	TRANSISTOR		
Q72			2SC1740S(Q,R)	TRANSISTOR		
Q72			2SC3311A(Q,R)	TRANSISTOR		
Q73			DTA124ES	DIGITAL TRANSISTOR		
Q73			UN4112	TRANSISTOR		
Q74			2SC1740S(Q,R)	TRANSISTOR		
Q74			2SC3311A(Q,R)	TRANSISTOR		
Q75 ,76			2SA1309A(Q,R)	TRANSISTOR		
Q75 ,76			2SA933S(Q,R)	TRANSISTOR		
Q77 ,78			2SC1740S(Q,R)	TRANSISTOR		
Q77 ,78			2SC3311A(Q,R)	TRANSISTOR		
Q79			2SA1309A(Q,R)	TRANSISTOR		
Q79			2SA933S(Q,R)	TRANSISTOR		
MECHANISM ASSY : X92-1620-10						
1	3A		A10-2846-01	CHASSIS		
2	2B		A11-0707-13	SUB CHASSIS CALKING ASSY		
4	2B		A11-0709-13	SUB CHASSIS ASSY		
6	1A		A11-0712-23	SUB CHASSIS CALKING ASSY		
7	1B		A11-0714-03	SUB CHASSIS		
8	1B		A11-0715-13	SUB CHASSIS CALKING ASSY		
11	3A		D10-3128-04	ARM		
13	2A		D10-3130-04	ARM		
14	2B		D10-3131-04	ROD		
15	3A		D10-3133-14	SLIDER ASSY		
16	3B		D12-0129-03	CAM		
18	2A		D13-0919-04	GEAR		
19	2A		D13-0920-04	GEAR		
20	2A		D13-0921-04	GEAR		
25	2A		D13-0922-04	GEAR		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

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

Telle ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
26	2A		D13-0923-04	GEAR		
27	2A		D13-0925-14	GEAR		
28	2A		D13-0926-04	GEAR		
29	2A		D13-0930-04	GEAR		
30	2B		D13-0931-03	LACK (GEAR)		
31	2A		D15-0316-04	PULLEY		
32	2A		D16-0316-04	BELT		
33	2A		D23-0268-04	RETAINER		
42	2B		E35-0060-05	FLAT CABLE		
48	1B		G01-3354-04	COMPRESSION SPRING		
49	3B		G02-0984-04	FLAT SPRING		
50	1A, 1B		G11-2091-04	CUSHION		
51	1A, 1B		G16-0770-04	SHEET		
-			G10-0146-04	NON-WOVEN FABRIC		
55	1B		J11-0171-13	CLAMPER		
56	1B		J11-0172-03	CLAMPER		
57	2B		J19-3388-11	HOLDER		
58	1B		J19-3389-03	HOLDER		
60	2A		J21-5726-04	MOUNTING HARDWARE ASSY		
62	2B		J90-0670-04	RAIL		
63	1B		J99-0098-03	TRAY ASSY		
DM	3A		T42-0598-24	MOTOR ASSY (DISK)		
FM	3A		T42-0584-04	MOTOR ASSY (FEED)		
LM	2A		T42-0530-05	DC MOTOR (LOADING)		
PU	2B		X93-1000-02	OPTICAL PICKUP ASSY		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)


T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

 indicates safety critical components.

LVD-K7100

SPECIFICATIONS

[Type]

Video disk format	Laser Vision format
Signal read system	Semiconductor laser
Video output format	NTSC

[Characteristics]

Video output level	1Vp-p (75Ω load, synchronous)
Horizontal resolution	420 lines
Video signal-to-noise ratio	48dB
Digital audio section (during normal playback)	
Frequency response	20Hz~20kHz
Signal-to-noise ratio	98dB or higher
Total harmonic distortion	less than 0.008% (1kHz)
Wow and flutter	Below measurable limit (±0.001% W.PEAK)
Output level/impedance	200mV/1kΩ (1kHz, -20dB)
Mic input sensitivity	1.5mV
Allowable operating temperature range	5°C~40°C
Allowable operating humidity range	5%~90% (condensation should not form)

[General]

Rated power consumption	40W
Maximum external dimensions	W : 440mm (17-5/16") H : 137mm (5-3/8") D : 408mm (16-1/16")
Weight (net)	9.3kg (20.5lb)

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

Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Other Areas (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

Alive Mitake, 2-5, 1-chome Shibuya, Shibuya-ku, Tokyo 150, Japan
KENWOOD SERVICE CORPORATION
P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90810-5745, 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.
Mechelsesteenweg 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 ESPAÑA S.A.
Bolivia, 239-08020 Barcelona, Spain
KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)
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, 1334