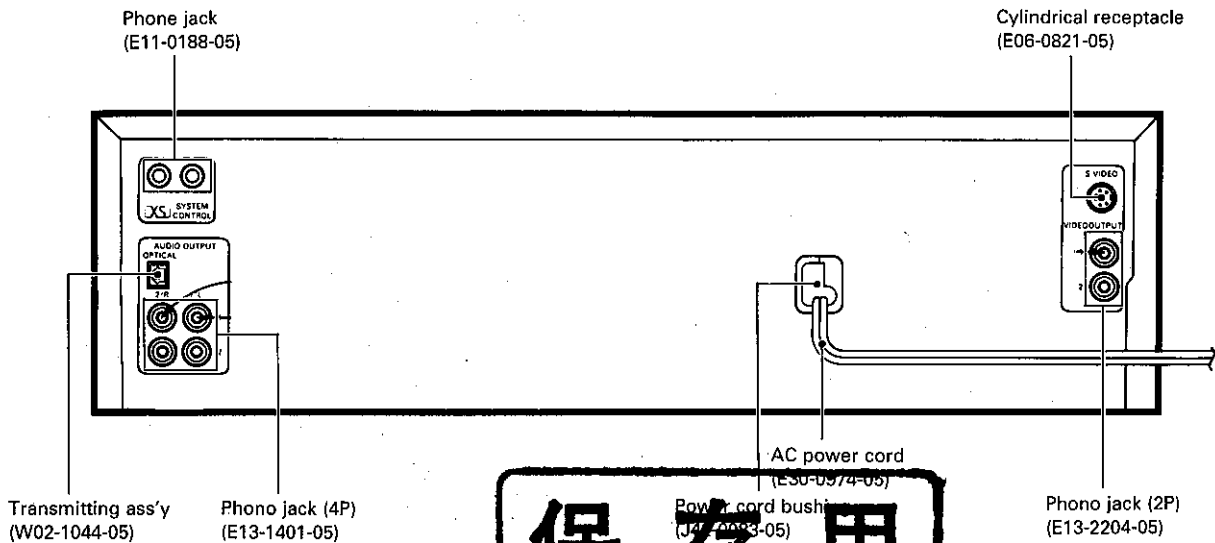
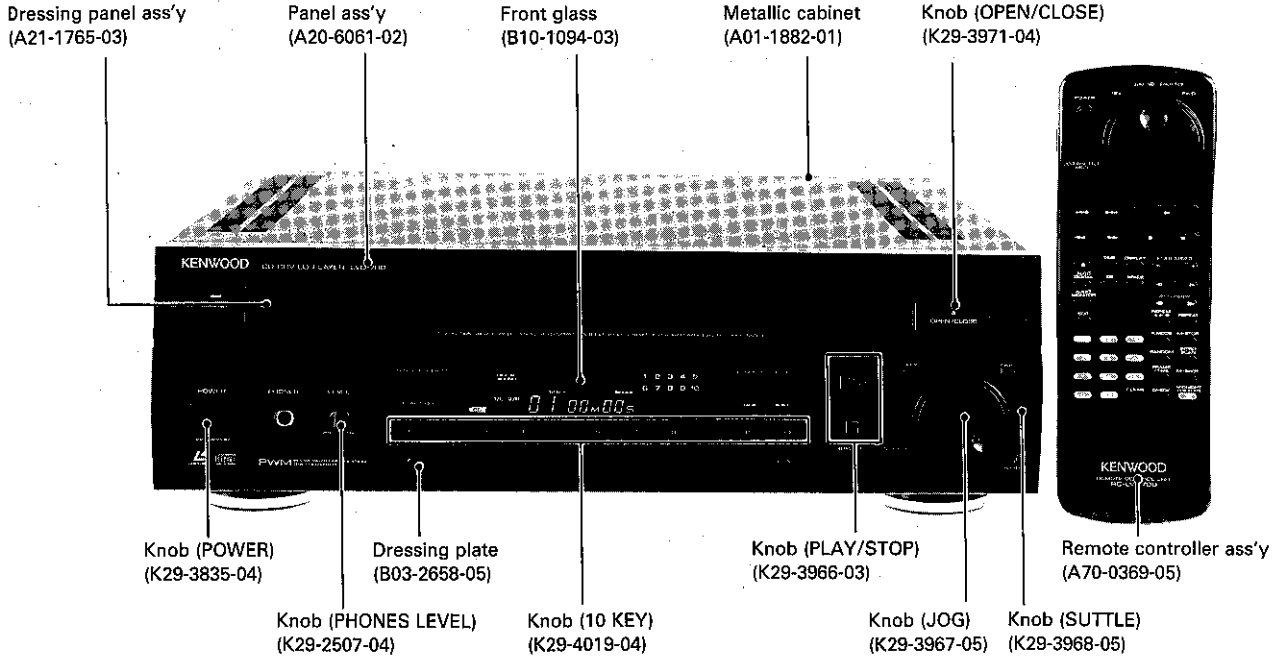


LVD-700

SERVICE MANUAL



保 存 用

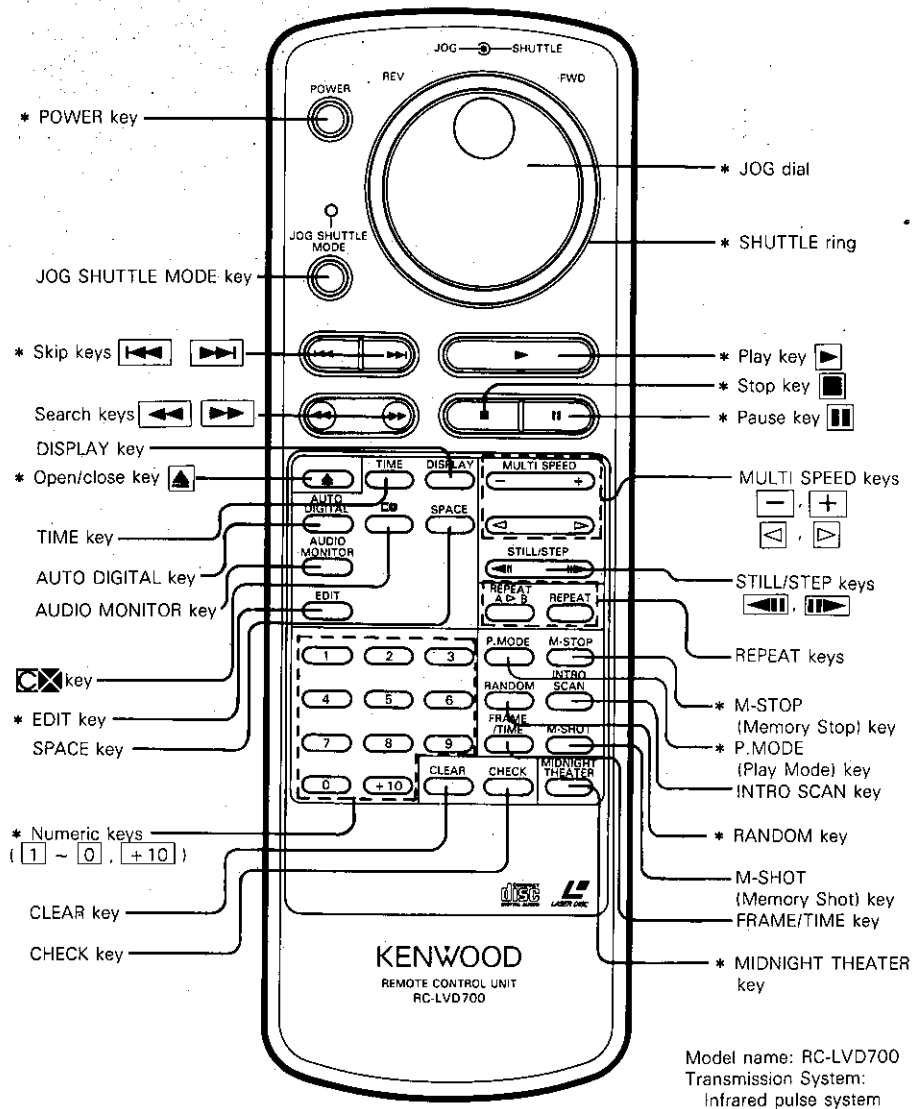
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For a complete description of the circuitry in this unit refer to the Circuit Description manual (B51-4163-00)

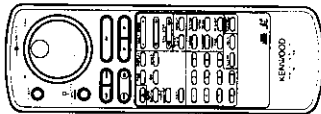
LVD-700

REMOTE CONTROL OPERATION



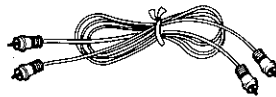
Accessories

Remote control unit 1

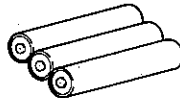


(A70-0369-05)
(A09-0103-08) Battery cover

Audio cord 1
(E30-0505-05)



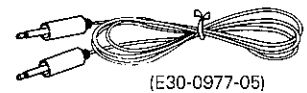
Battery ("AA" or "R6")..... 3



Video cord 1
(E30-1427-05)



System control cord 1

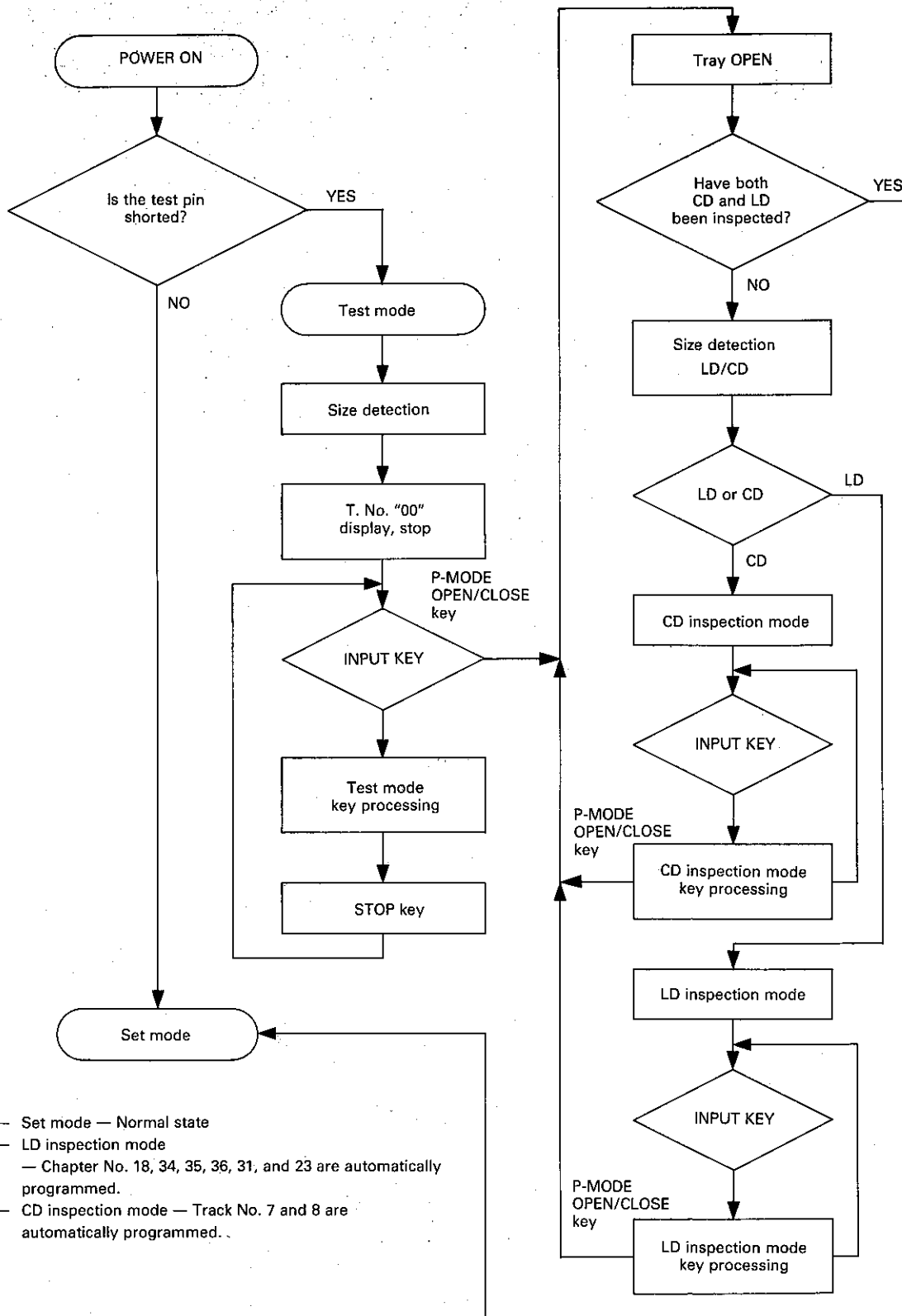


ADJUSTMENT

Valid keys in the test mode and their functions

No.	Key	Function	Track No. display
1	PLAY	Focus servo ON Tracking servo ON Feed servo ON	▶
2	STOP	Focus servo OFF Stop with the disc clamped Tracking servo OFF Feed servo OFF	T. No. "00" or "01"
3	PAUSE	Focus servo ON Valid when PAUSE is pressed after Tracking servo OFF PLAY Feed servo OFF	Display
4	▶▶	Feed (from inner periphery to outer periphery) Feeds while the key is held down.	
5	◀◀	Feed (from outer periphery to inner periphery) is while the key is held down.	
6	▶▶▶	All fluorescent elements light. Returns to the normal state when the key is pressed again.	All on ↓ NORMAL
7	◀◀◀	All fluorescent elements go off. Returns to the normal state when the key is pressed again.	All off ↓ NORMAL
8	EDIT	Open or close the tray without changing the mode.	TV
9	RANDOM or SPACE	Switch tilt on and off. Turns on and off alternately whenever this key is pressed.	When the tilt is on, SPACE lights.
10	OPEN/CLOSE	Change the mode and open or close the tray.	
11	P-MODE	Change the mode without opening or closing the tray.	PGM
12	10 KEY	Function as follows in the inspection mode. ① KEY Still forward ② KEY Still reverse ③ KEY Multi-speed forward ④ KEY Multi-speed reverse	

ADJUSTMENT



- Set mode — Normal state
- LD inspection mode
 - Chapter No. 18, 34, 35, 36, 31, and 23 are automatically programmed.
- CD inspection mode — Track No. 7 and 8 are automatically programmed.

ADJUSTMENT

PCB adjustment <Fig. 1>

No.	Item	Input side setting	Output side setting	Setting	Location	Adjustment method
1	Tilt balance	LD test disc	Connect the TV monitor to the video output.	F. No. 107 STILL (still image)	VR4	Minimize the crosstalk on the screen. After adjustment, set F. No. 23912 and F. No. 52007 to still image to verify that there is little crosstalk.
2	LD focus offset	LD test disc	Connect the oscilloscope to CN1-6 (RF OUT) on the video PCB.	N. No. 5000 STILL (still image)	VR1	Maximize the RF signal amplitude.
3	Tracking balance	LD test disc	Connect the oscilloscope to CN1-1 (TE) on the video PCB.	F. No. 5000 STILL (still image)	VR3	Make the positive and negative jump pulse equal. (Photograph 1)
4	CD focus offset	CD test disc	Connect oscilloscope to CN1-6 (RF OUT) on the video PCB.	PLAY	VR2	Maximize the RF signal (I pattern) amplitude. (Photograph 2)

Video circuit unit (X35-2040) adjustment <Fig. 2>

No.	Item	Input side setting	Output side setting	Setting	Location	Adjustment method
1	4FSC frequency	Power ON	Connect the frequency counter to IC38 pin 6.	STOP	TC2	14.31818 MHz \pm 10 Hz
2	Dropout detection	Short circuit C41 and input a 5 MHz, 1.0 V _{p-p} 50 Ω sine wave to pin 9.	Connect the oscilloscope to IC3 pin 22.	STOP	VR2	Set the DC voltage between 1.1~1.9 V.
3	Burst gate timing	LD test disc	Connect the oscilloscope to transistor Q31 (E) and IC11 pin 9.	F. No. 5000 STILL IMAGE	VR5	Adjust pulse of IC11 pin 9 to half the interval of Q31 (E) video signal burst. (see photograph 3)
4	VCO	LD test disc	Connect the oscilloscope to IC16 pin 7.	PLAY	TC1	Set average DC voltage to 0 V.
5	FM detection level	LD test disc	Connect the oscilloscope to transistor Q31 (E).	F. No. 5000 STILL IMAGE	VR1	Set video amplitude to 1.8 V _{p-p} . (see photograph 4)
6	DOC GAIN	LD test disc	Connect the oscilloscope to IC3 pin 18 and pin 20. (Invert the CH2 input signal)	F. No. 5000 STILL IMAGE	VR4	Adjust signal so that when CH1 and CH2 signals are added, the video signal disappears.
7	DOC PHASE	LD test disc	Connect the oscilloscope to IC3 pin 18 and pin 20. (Invert the CH2 input signal)	F. No. 5000 STILL IMAGE	VR3	Adjust signal so that when CH1 and CH2 signals are added, the chrominance disappears
8	VIDEO LEVEL	LD test disc	Connect a 75 Ω resistor to the video output. Connect the oscilloscope across a 75 Ω resistor.	F. No. 5000 STILL IMAGE	VR6	Set video amplitude to 1.0 V _{p-p} .

ADJUSTMENT

Control circuit unit (X29-2140-00) adjustment <Fig. 3>

No.	Item	Input side setting	Output side setting	Setting	Location	Adjustment method
1	RF level	LD test disc	Connect the oscilloscope to CN3-6 (RF OUT).	F. No. 111 STILL (Still image)	VR1	450 mVp-p \pm 50 mV (Photograph 8)
2	Focus gain	LD test disc Apply a sine wave (1.7 kHz/400 mVp-p) between CN3 pins 4 and 5.	Connect the oscilloscope to CN3 pins 4 and 5.	PLAY	VR2	Make the outputs from CN3 pins 4 and 5 equal.
3	Tracking gain	LD test disc Apply a sine wave (3.5 kHz/200 mVp-p) between CN3 pins 1 and 2.	Connect the oscilloscope to CN3 pins 1 and 2.	PLAY	VR3	Make the outputs from CN3 pins 1 and 2 equal.

Processor unit (X32-1670) adjustment <Fig. 4>

No.	Item	Input side setting	Output side setting	Setting	Location	Adjustment method
1	VCO free-run frequency	Power ON	Connect the frequency counter to TP1-1 (PLCK).	STOP	L5	4.315 MHz \pm 2 kHz
2	VCO offset	Play the LD digital disc.	Connect the DC voltmeter to CN9-6 (CDME).	PLAY	VR1	2.4 V \pm 0.1 V

Y-C separation (X25-4060) <Fig. 5>

No.	Item	Input side setting	Output side setting	Setting	Location	Adjustment method
1	1H gain	LD test disc	Connect the oscilloscope to Q106 (E) and Q113 (E)	F. No. 5000 STILL (still image)	VR3	Make the amplitudes at pins 18 and 20 equal. (Photograph 9)
2	2H gain	LD test disc	Connect the oscilloscope to Q106 (E) and Q118 (E)	F. No. 5000 STILL (still image)	VR4	Make the amplitudes at pins 18 and 20 equal.
3	1H delay 2H delay	LD test disc	Connect a 75 Ω resistor between the S terminal C output and GND. Connect the oscilloscope across the 75 Ω resistor.	Regenerate multi-burst.	VR1 VR2	Adjust VR1 and VR2 several times to minimize the 3.58 MHz amplitude. (Photograph 10)
4	Y delay Y level	LD test disc	Connect a 75 Ω resistor between the S terminal Y output and GND. Connect the oscilloscope across the 75 Ω resistor.	F. No. 12400 STILL (still image)	VR5 VR6	Adjust VR5 and VR6 several times to minimize the color signal (3.58 MHz) amplitude. (Photograph 11)

REGLAGE

Réglage de la pré-PCI <Fig. 1>

N°	Article	Réglage du côté entrée	Réglage du côté sortie	Réglage	Emplacement	Méthode de réglage
1	Balance de la distorsion de trame	Disque d'essai de LD	Raccorder le récepteur de TV à la sortie vidéo.	F. No. 107 STILL (arrêt image)	VR4	Pour réduire la diaphonie à l'écran. Après le réglage, mettre F N°23912 et F N°52007 sur arrêt image pour vérifier l'absence de diaphonie.
2	Offset de mise au point sur LD	Disque d'essai de LD	Raccorder l'oscilloscope à CN1-6 (RF OUT) sur la PCI vidéo.	F. No. 5000 STILL (arrêt image)	VR1	Pour maximiser l'amplitude du signal RF.
3	Balance piste	Disque d'essai de LD	Raccorder l'oscilloscope à CN1-1 (TE) sur la PCI vidéo.	F. No. 5000 STILL (arrêt image)	VR3	Pour égaliser les impulsions de saut positives et négatives. (Photo 1)
4	Offset de mise au point sur CI-DESSOUS	Disque d'essai de CI-DESSOUS	Raccorder l'oscilloscope à CN1-6 (RF OUT) sur la PCI vidéo.	PLAY	VR2	Pour maximiser l'amplitude du signal RF. (mire I) (Photo 2)

Réglage de l'unité circuit vidéo (X35-2040) <Fig. 2>

N°	Article	Réglage du côté entrée	Réglage du côté sortie	Réglage	Emplacement	Méthode de réglage
1	Fréquence 4FSC	Mise sous tension	Brancher le compteur de fréquence sur IC38 broche 6.	STOP	TC2	14,31816 MHz \pm 10 Hz
2	Détection de chute	Court-circuit C41 et entrée d'une onde sinusoïdale de 5 MHz, 1,0 Vc-c 50 ohms sur broche 9.	Brancher l'oscilloscope sur IC3 broche 22.	STOP	VR2	Brancher la tension CC entre 1,1 et 1,9 V.
3	Durée de porte de salve	Disque test LD	Brancher l'oscilloscope sur le transistor Q31 et IC11 broche 9.	F. N° 5000 STILL IMAGE	VR5	Régler l'impulsion de IC11 broche 9 à la moitié de l'intervalle de la salve de signal vidéo de Q31 (E). (Voir photo 3)
4	VCO	Disque test LD	Brancher l'oscilloscope sur IC16 broche 7.	PLAY	TC1	Régler la tension CC moyenne sur 0 V.
5	Niveau de détection FM	Disque test LD	Brancher l'oscilloscope sur le transistor Q31 (F).	F. N° 5000 STILL IMAGE	VR1	Régler l'amplitude vidéo à 1,8 Vc-c. (voir photo 4)
6	DOC GAIN	Disque test LD	Brancher l'oscilloscope sur IC3 broche 18 et broche 20. (inverser le signal d'entrée CH2)	F. N° 5000 STILL IMAGE	VR4	Régler le signal de façon à ce que les signaux CH1 et CH2 soient ajoutés. Le signal vidéo disparaît. (voir photos 5 à 7)
7	DOC PHASE	Disque test LD	Brancher l'oscilloscope sur IC3 broche 18 et broche 20. (inverser le signal d'entrée CH2)	F. N° 5000 STILL IMAGE	VR3	Régler le signal de façon à ce que lorsque les signaux CH1 et CH2 sont ajoutés, la chrominance disparaît.
8	VIDEO LEVEL	Disque test LD	Brancher une résistance de 75 ohms sur la sortie vidéo. Brancher l'oscilloscope par une résistance de 75 ohms.	F. N° 5000 STILL IMAGE	VR6	Régler l'amplitude sur 1,0 Vc-c.

REGLAGE

Réglage de l'unité circuit vidéo (X35-2050) <Fig. 3>

N°	Article	Réglage du côté entrée	Réglage du côté sortie	Réglage	Emplacement	Méthode de réglage
1	Niveau RF	Disque d'essai de LD	Raccorder l'oscilloscope à CN3-6 (RF OUT).	F. N° 111 STILL (arrêt image)	VR1	450 mVp-p \pm 50 mV (Photo 8)
2	Gain de mise au point	Disque d'essai de LD Appliquer une onde sinusoïdale (1,7 kHz/400 mVp-p) entre les fiches 4 et 5 de CN3.	Raccorder l'oscilloscope aux fiches 4 et 5 de CN3.	PLAY	VR2	Egaliser les sorties aux fiches 3 et 5 de CN1.
3	Gain de centrage sur piste	Disque d'essai de LD Appliquer une onde sinusoïdale (3,5 kHz/200 mVp-p) entre les fiches 1 et 2 de CN3.	Raccorder l'oscilloscope aux fiches 1 et 2 de CN3.	PLAY	VR3	Egaliser les sorties aux fiches 1 et 2 de CN3.

Réglage de l'unité de traitement (X32-1670) <Fig. 4>

N°	Article	Réglage du côté entrée	Réglage du côté sortie	Réglage	Emplacement	Méthode de réglage
1	Fréquence libre de l'oscillateur commandé par tension (VCO)	Power ON	Raccorder le fréquencemètre à TP1-1 (PLCK).	STOP	L5	4,315 MHz \pm 2 kHz
2	Offset de VCXO	Lire un vidéodisque numérique.	Raccorder le voltmètre cc à CN9-6 (CDME).	PLAY	VR1	2,4 V \pm 0,1 V

Séparation Y-C (X25-4060) <Fig. 5>

N°	Article	Réglage du côté entrée	Réglage du côté sortie	Réglage	Emplacement	Méthode de réglage
1	Gain sur 1H	Disque d'essai de LD	Raccorder l'oscilloscope aux fiches Q106(E) et Q113(E).	F. No. 5000 STILL (arrêt image)	VR3	Egaliser l'amplitude aux fiches 18 et 20. (Photo 9)
2	Gain sur 1H	Disque d'essai de LD	Raccorder l'oscilloscope aux fiches Q106(E) et Q118(E).	F. No. 5000 STILL (arrêt image)	VR4	Egaliser l'amplitude aux fiches 18 et 20.
3	Ratard 1H Ratard 2H	Disque d'essai de LD	Raccorder une résistance de 75 Ω entre la borne S de la sortie C et la terre (GND). Raccorder l'oscilloscope aux bornes de la résistance de 75 Ω .	Regénération de multi-burst	VR1 VR2	Régler VR1 et VR2 à volonté de sorte à minimiser l'amplitude 3,58 MHz. (Photos 10)
4	Ratard Y Level Y	Disque d'essai de LD	Raccorder une résistance de 75 Ω entre la borne S de la sortie Y et la terre (GND). Raccorder l'oscilloscope aux bornes de la résistance de 75 Ω .	F. No. 12400 STILL (arrêt image)	VR5 VR6	Régler VR5 et VR6 à volonté de sorte à minimiser l'amplitude (3,58 MHz) du signal couleur. (Photos 11)

ABGLEICH

Leiterplatte-Voreinstellung <Abb. 1>

Nr.	Einzelheit	Eingangsseitige Einstellung	Ausgangsseitige Einstellung	Einstellung	Lage	Einstellverfahren
1	Neigungsabgleichung	LD-Testplatte	Den Bildkontrollempfänger an den Videoausgang anschließen.	F. No. 107 STILL (Stehbild)	VR4	Die Einstreuung auf dem Bildschirm auf das Minimum einstellen. Nach der Einstellung F. Nr. 23912 und F. Nr. 52007 auf das Stehbild einstellen, um zu bestätigen daß die bestehende Einstreuung sehr gering ist.
2	LD-Fokusversetzung	LD-Testplatte	Den Oszilloskop an CN1-6 (RF OUT) auf der Video-Leiterplatte anschließen.	F. No. 5000 STILL (Stehbild)	VR1	Die HF-Signalamplitude auf das Maximum einstellen.
3	Dynamische Hellesteuerungsabgleichung	LD-Testplatte	Den Oszilloskop an CN1-1 (TE) auf der Video-Leiterplatte anschließen.	F. No. 5000 STILL (Stehbild)	VR3	Den positiven und negativen Sprungimpuls gleichmachen. (Foto 1)
4	CD-Fokusversetzung	CD-Testplatte	Den Oszilloskop an CN1-6 (RF OUT) auf der Video-Leiterplatte anschließen.	PLAY	VR2	Die HF-Signalamplitude (I-Muster) auf das Maximum einstellen. (Foto 2)

Einstellung der Video-Schaltungseinheit (X35-2040) <Abb. 2>

Nr.	Einzelheit	Eingangsseitige Einstellung	Ausgangsseitige Einstellung	Einstellung	Lage	Einstellverfahren
1	4FSC-Frequenz	Spannungsversorgung ein	Den Frequenzzähler an IC38 Pin 6 anschließen.	STOP	TC2	14,31818 MHz \pm 10 Hz
2	Dropout-Detektor	C41 kursorchließen und eine 5 MHz, 1,0 V _{SS} 50 Ω Sinuswelle an Pin 9 anlegen.	Das Oszilloskop an IC3 Pin 22 anschließen.	STOP	VR2	Die Gleichspannung auf 1, 1—1,9 V einstellen.
3	Burst-Gate-Takt	LD-Meßdiskette	Das Oszilloskop an Transistor Q31 (E) und IC11 Pin 9 anschließen.	F. Nr. 5000 STILL IMAGE	VR5	Den Impuls von IC11 Pin 9 auf die Hälfte des Intervalls des Q31 (E) Videosignal-Burst einstellen (siehe Foto 3).
4	VCO	LD-Meßdiskette	Das Oszilloskop an IC16 Pin 7 anschließen.	PLAY	TC1	Die mittlere Gleichspannung auf 0 V einstellen.
5	FM-Demodulationspegel	LD-Meßdiskette	Das Oszilloskop an Transistor Q31 (E) anschließen.	F. Nr. 5000	VR1	Die Video-Amplitude auf 1,8 V _{SS} einstellen (siehe Foto 4).
6	DOC GAIN	LD-Meßdiskette	Das Oszilloskop an IC3 Pin 18 und Pin 20 anschließen. (Das CH2-Eingangssignal umkehren.)	F. Nr. 5000 STILL IMAGE	VR4	Das Signal so einstellen, daß das Videosignal verschwindet, wenn CH1- und CH2-Signale hinzugefügt werden (siehe Foto 5-7).
7	DOC PHASE	LD-Meßdiskette	Das Oszilloskop an IC3 Pin 18 und Pin 20 anschließen. (Das CH2-Eingangssignal umkehren.)	F. Nr. 5000 STILL IMAGE	VR3	Das Signal so einstellen, daß die Chrominanz verschwindet, wenn CH1- und CH2-Signale hinzugefügt werden.
8	VIDEO LEVEL	LD-Meßdiskette	Einen 75 Ω -Widerstand an den Video-Ausgang anschließen. Das Oszilloskop parallel zum 75 Ω -Widerstand anschließen.	F. Nr. 5000 STILL VIDEO	VR6	Die Video-Amplitude auf 1,0 V _{SS} einstellen.

ABGLEICH

Einstellung der Video-Schaltungseinheit (X35-2050) <Abb. 3>

Nr.	Einzelheit	Eingangsseitige Einstellung	Ausgangsseitige Einstellung	Einstellung	Lage	Einstellverfahren
1	HF-Pegel	LD-Testplatte	Den Oszilloskop an CN3-6 to (RF OUT) anschließen.	F. No. 111 STILL (stehbild)	VR1	450 mVp-p \pm 50 mV (Foto 8)
2	Focusverstärkung	LD-Testplatte Eine Sinuswelle (1,7 kHz/ 400 mVp-p) zwischen CN3 Pin 4 und Pin 5 anlegen.	Den Oszilloskop an CN3 Pin 4 und Pin 5 anschließen.	PLAY	VR2	Die Ausgaben von CN3 Pin 4 und Pin 5 gleichmachen.
3	Hellesteuerungsverstärkung	LD-Testplatte Eine Sinuswelle (3,5 kHz/ 200 mVp-p) zwischen CN3 Pin 1 und Pin 2 anlegen.	Den Oszilloskop an CN3 Pin 1 und Pin 2 anschließen.	PLAY	VR3	Die Ausgaben von CN3 Pin 1 und Pin 2 gleichmachen.

Einstellung der Prozessor-Einheit (X32-1670) <Abb. 4>

Nr.	Einzelheit	Eingangsseitige Einstellung	Ausgangsseitige Einstellung	Einstellung	Lage	Einstellverfahren
1	VCO-Freilauf-frequenz	Power ON	Den Frequenzmesser an TP1-1 (PLCK) anschließen.	STOP	L5	4,315 MHz \pm 2 kHz
2	VCXO-Versetzung	Die LD-Digitalplatte abspielen.	Den GS-Voltmeter an CN9-6 (SDME) anschließen.	PLAY	VR1	2,4 V \pm 0,1 V

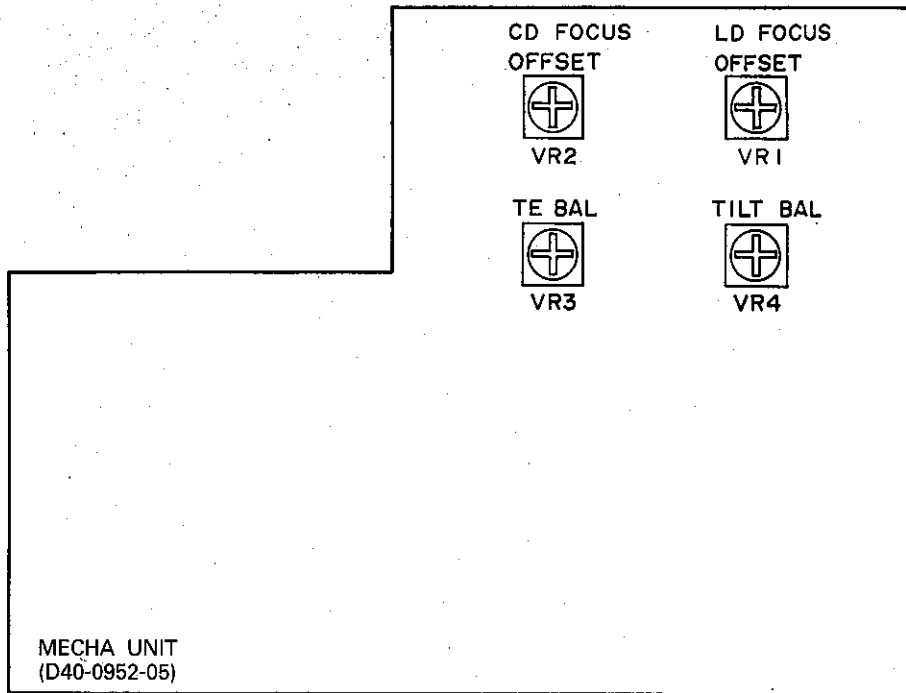
Y-C-Trennung (X25-4060) <Abb. 5>

Nr.	Einzelheit	Eingangsseitige Einstellung	Ausgangsseitige Einstellung	Einstellung	Lage	Einstellverfahren
1	1H Verzögerungsverstärkung	LD-Testplatte	Den Oszilloskop an Q106 (E) und Q113 (E) anschließen.	F. No. 5000 STILL (Stehbild)	VR3	Die Amplitude an Pin 18 und Pin 20 gleichstellen. (Foto 9)
2	1H Verzögerungsverstärkung	LD-Testplatte	Den Oszilloskop an Q106 (E) und Q118 (E) anschließen.	F. No. 5000 STILL (Stehbild)	VR4	Die Amplitude an Pin 18 und Pin 20 gleichstellen.
3	1H, 2H	LD-Testplatte	Einen 75-Ohm-Widerstand zwischen C-Ausgang und GND der S-Klemme anschließen. Den Oszilloskop über den 75-Ohm-Widerstand anschließen.	Multi-burst regenerieren.	VR1 VR2	VR1 und VR2 wiederholt einstellen, um die 3,58 MHz-Amplitude auf das Minimum zu setzen. (Foto 10)
4	Verzögerungsverstärkung Y-Pegel	LD-Testplatte	Einen 75-Ohm-Widerstand zwischen Y-Ausgang und GND der S-Klemme anschließen. Den Oszilloskop über den 75-Ohm-Widerstand anschließen.	F. No. 12400 STILL (Stehbild)	VR5 VR6	VR2 und VR3 wiederholt einstellen, um die Farbsignal-Amplitude (3,58 MHz) auf das Minimum zu setzen. (Foto 11)

ADJUSTMENT/REGLAGE/ABGLEICH

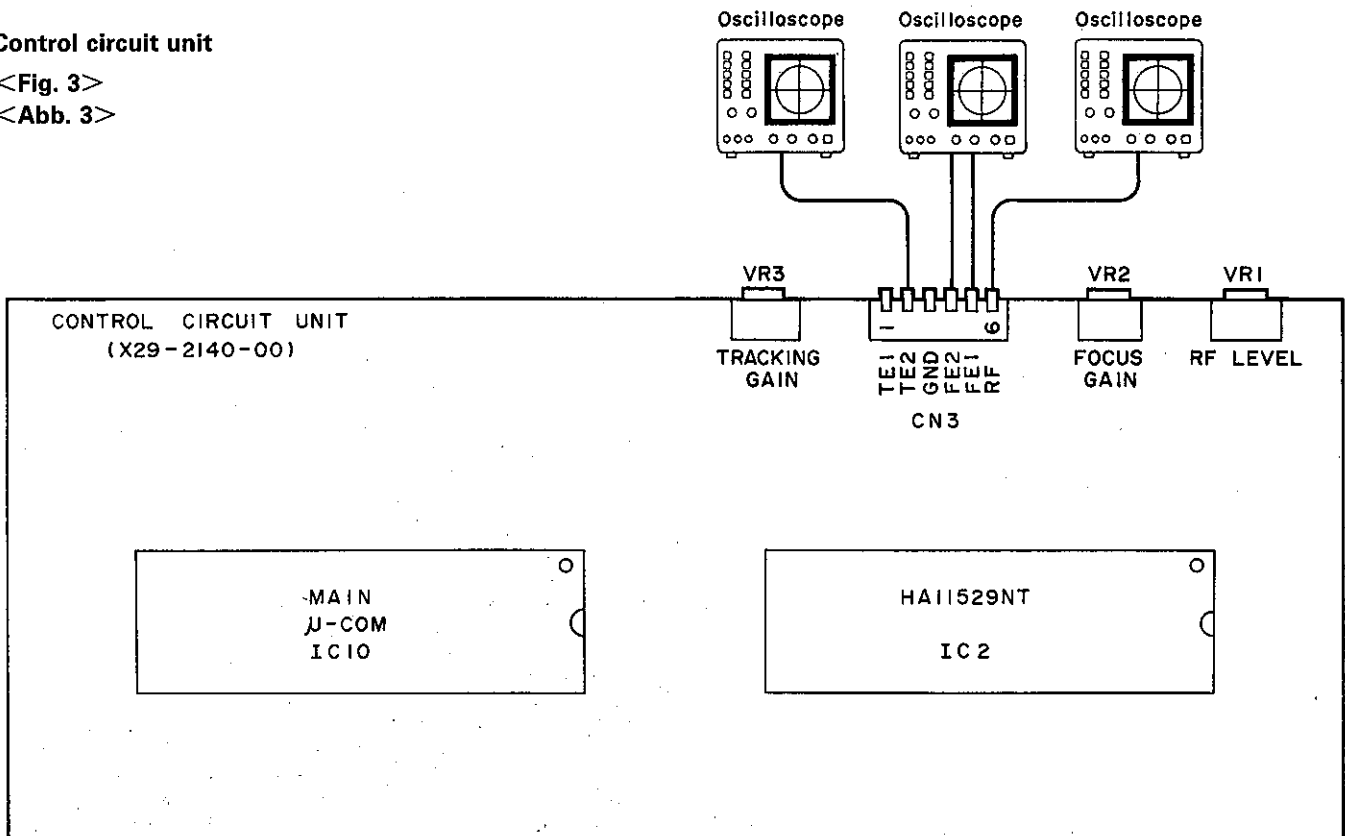
PCB adjustment

<Fig. 1>
<Abb. 1>



Control circuit unit

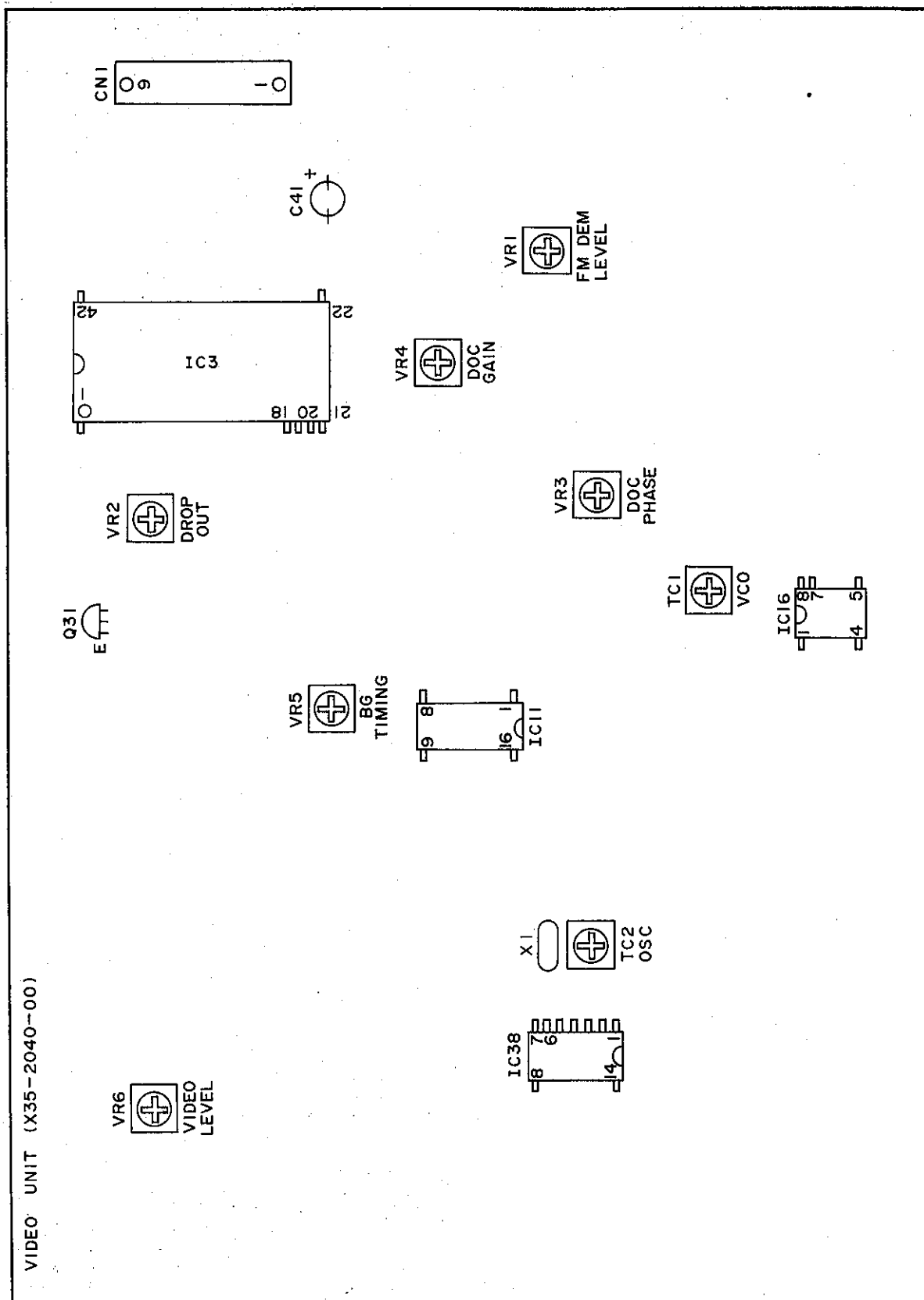
<Fig. 3>
<Abb. 3>



ADJUSTMENT/REGLAGE/ABGLEICH

Video circuit unit

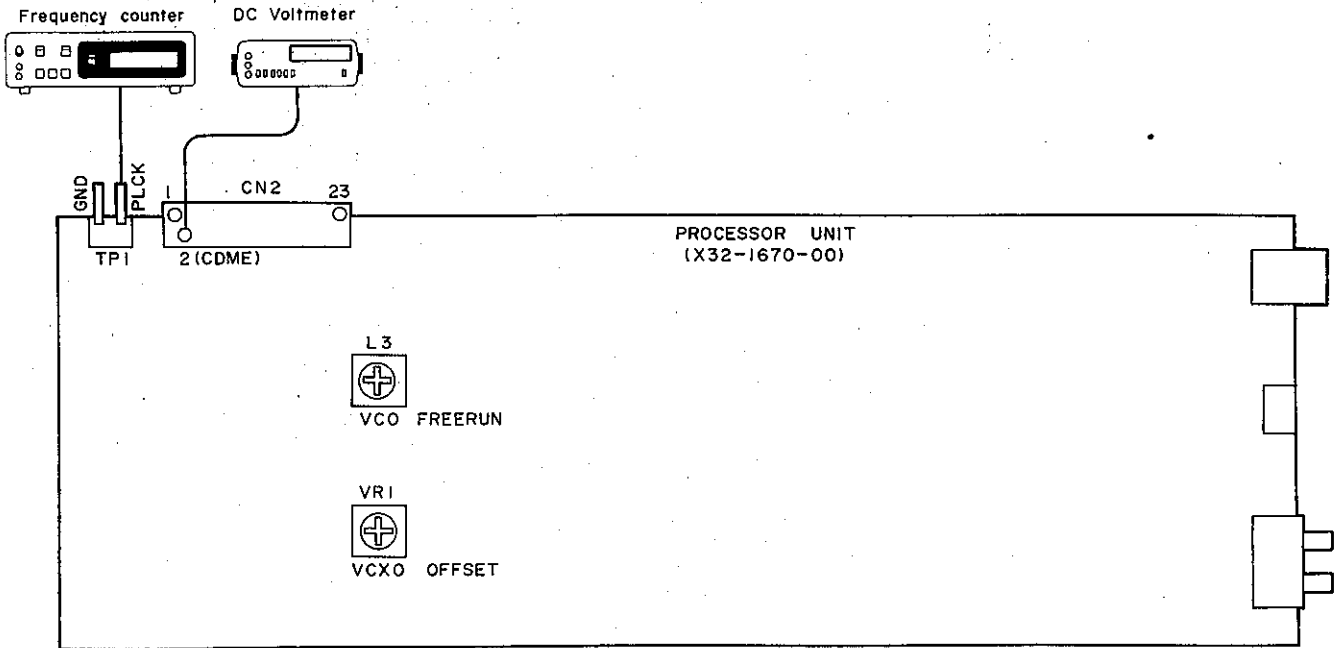
<Fig. 2> <Abb. 2>



ADJUSTMENT/REGLAGE/ABGLEICH

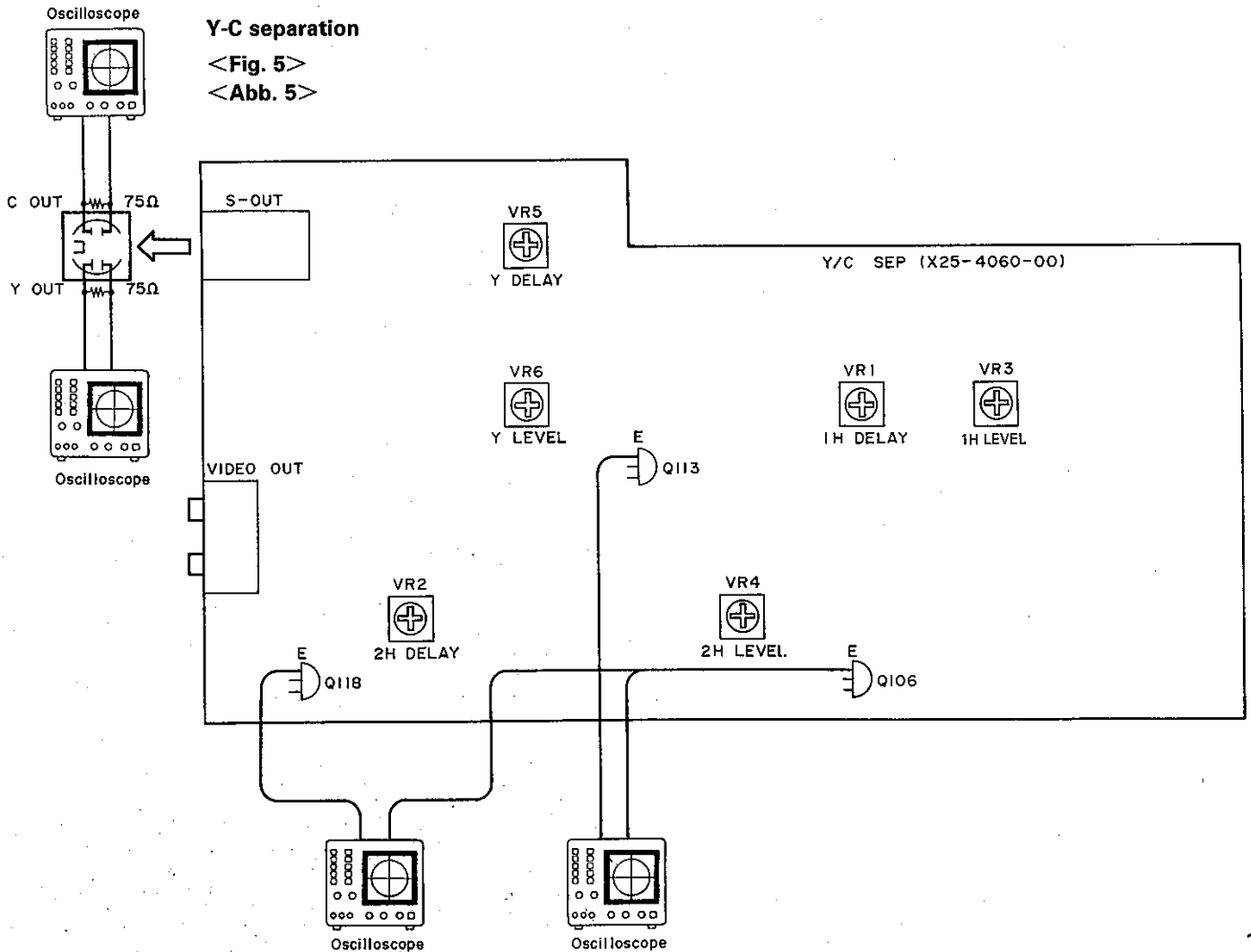
Processor unit

<Fig. 4> <Abb. 4>



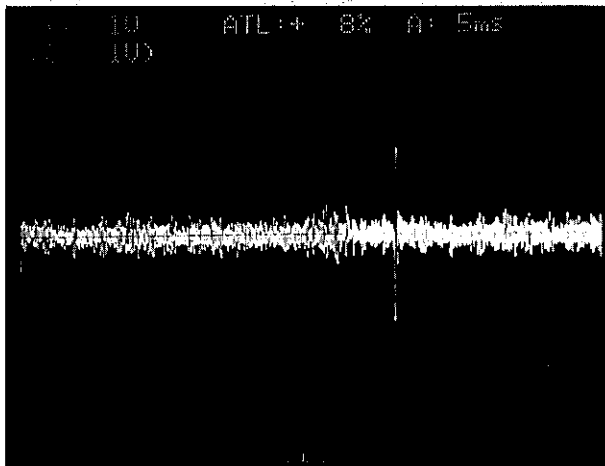
Y-C separation

<Fig. 5>
<Abb. 5>

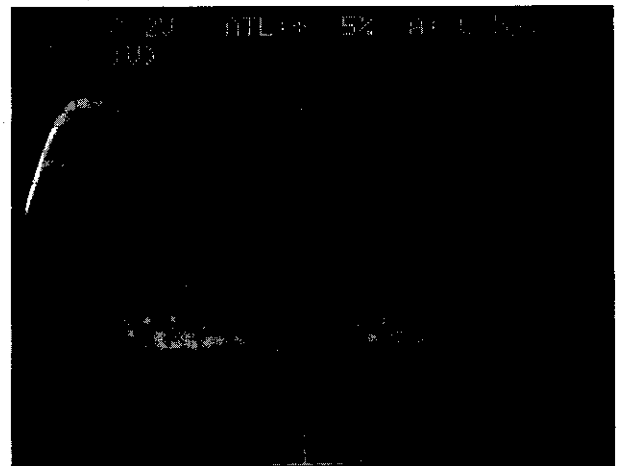


ADJUSTMENT/REGLAGE/ABGLEICH

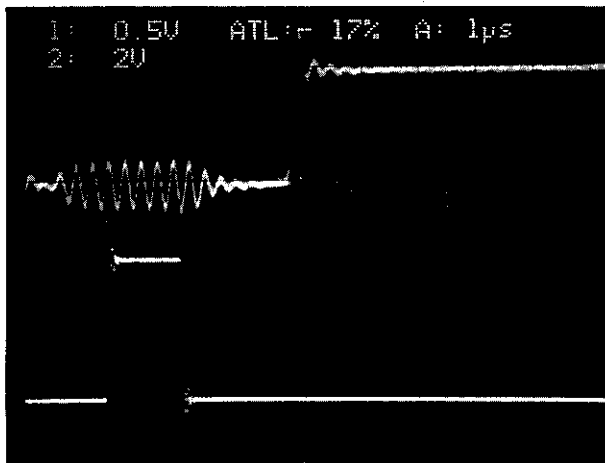
<Photo. 1> Tracking balance



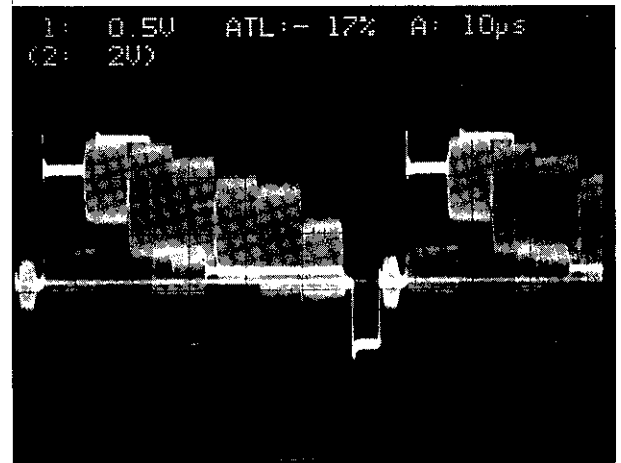
<Photo. 2> CD focus offset



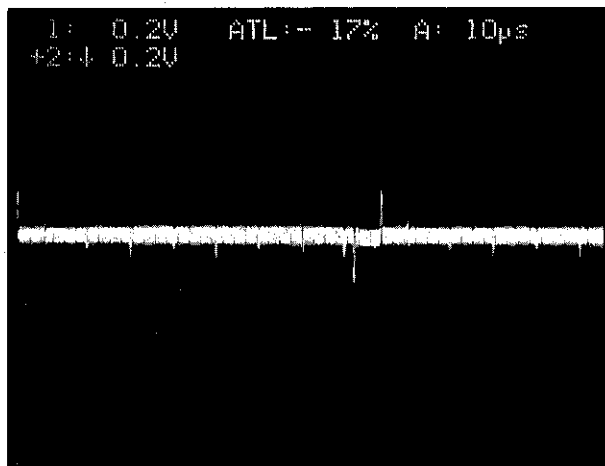
<Photo. 3> Burst gate timing



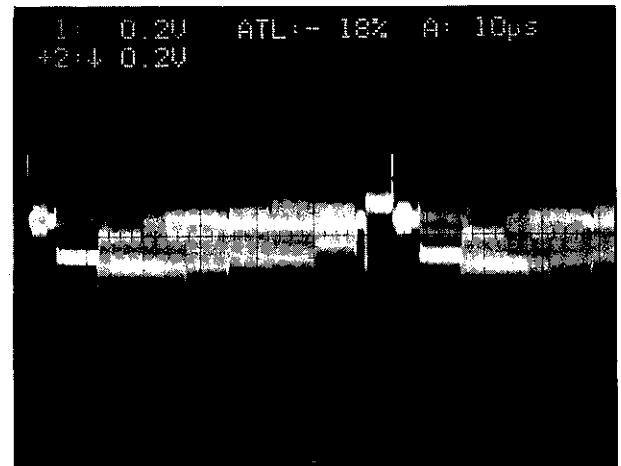
<Photo. 4> FM detection level



<Photo. 5> DOC, GAIN, PHASE (JUST)

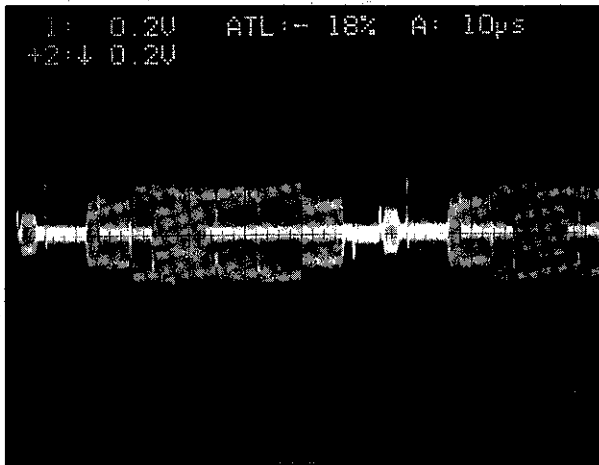


<Photo. 6> DOC, GAIN, (VR4) NG



ADJUSTMENT/REGLAGE/ABGLEICH

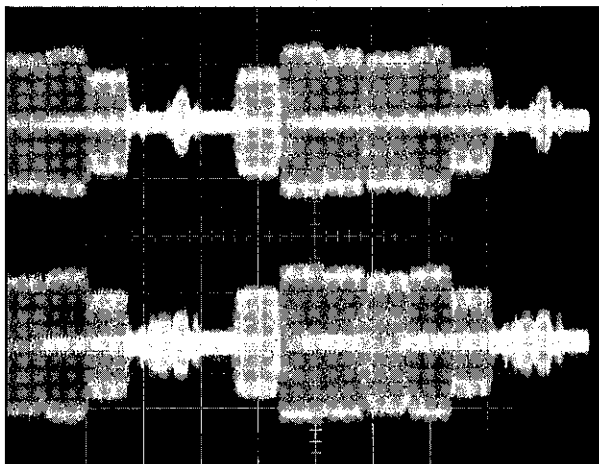
<Photo. 7> DOC PHASE (VR3) NG



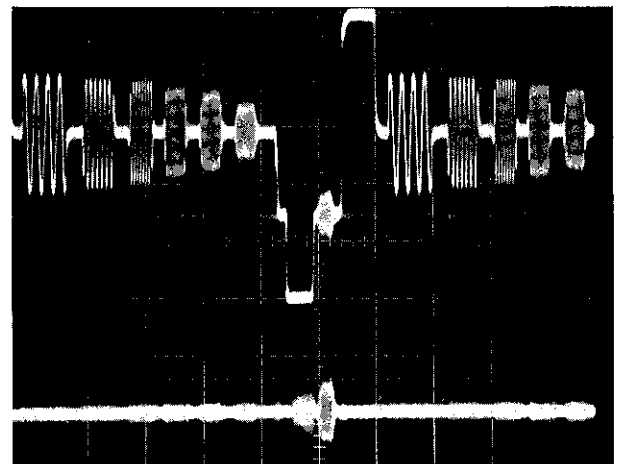
<Photo. 8> RF level



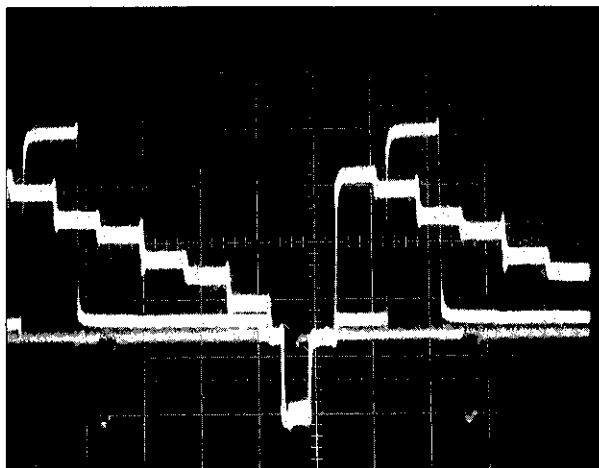
<Photo. 9> 1H gain (100 mV/div 10 µsec/div)



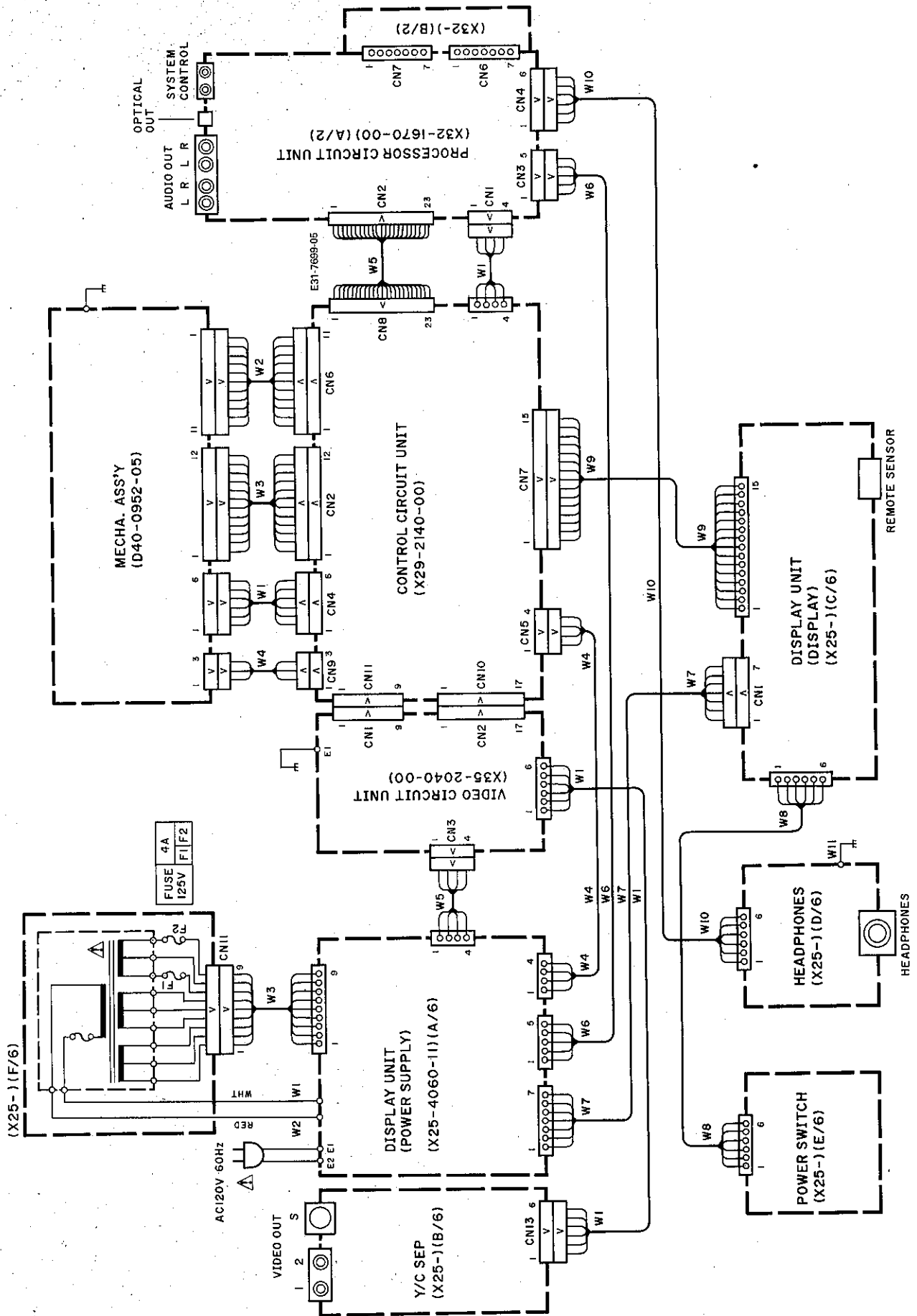
<Photo. 10> 1H delay, 2H delay (200 mV/div 10µsec/div)



<Photo. 11> Y delay, Y level (200 mV/div 10µsec/div)

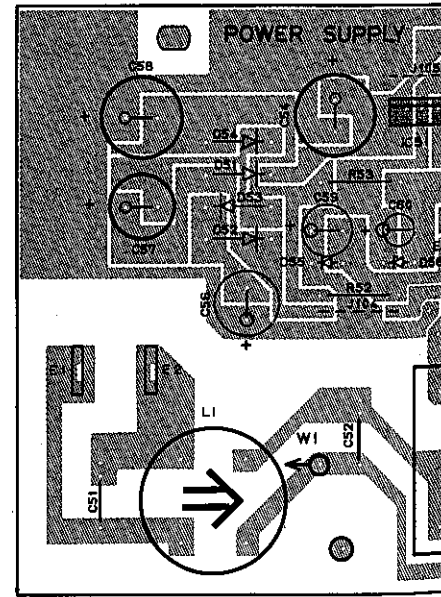
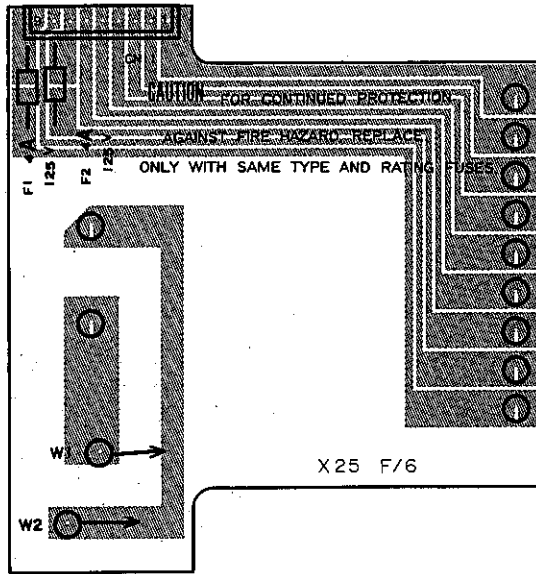
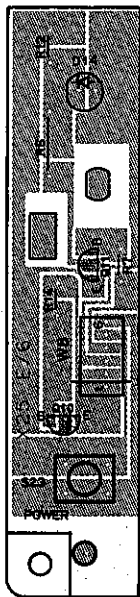
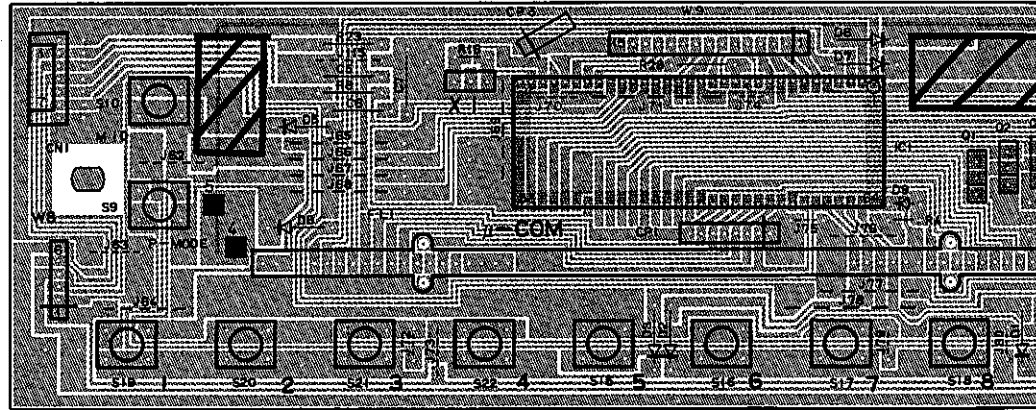
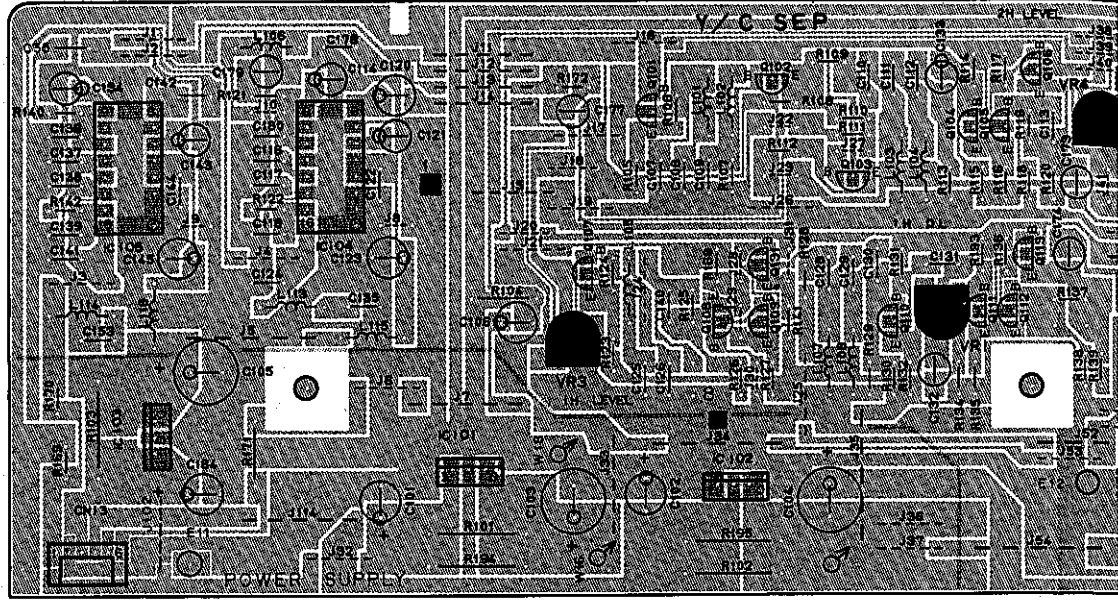


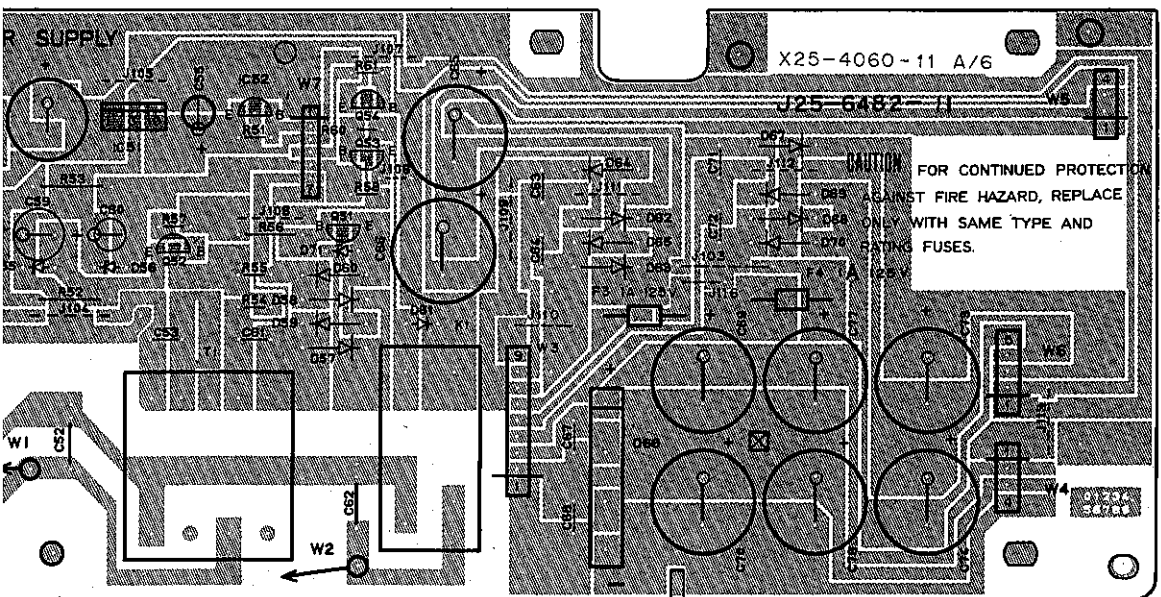
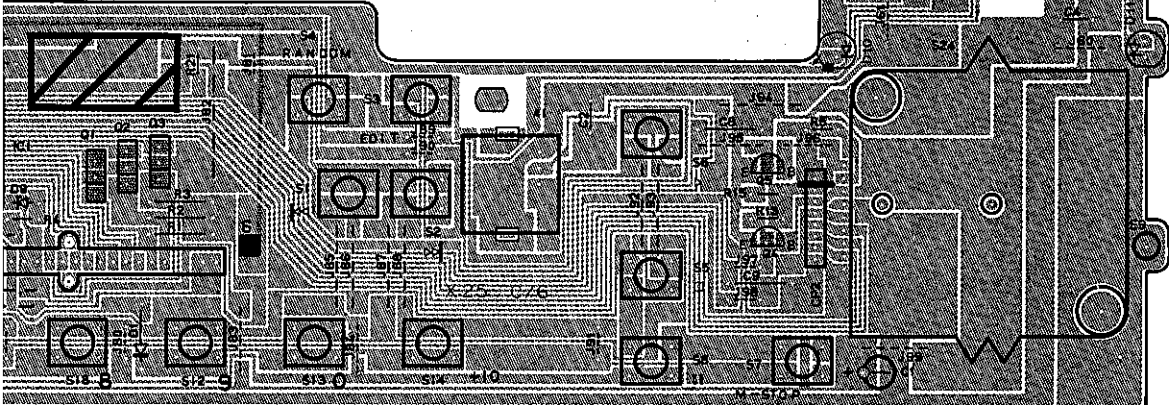
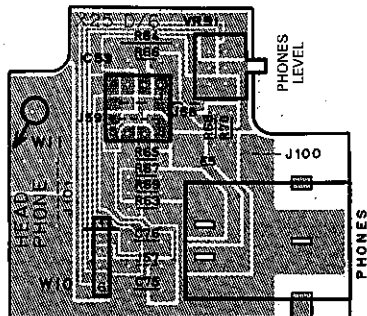
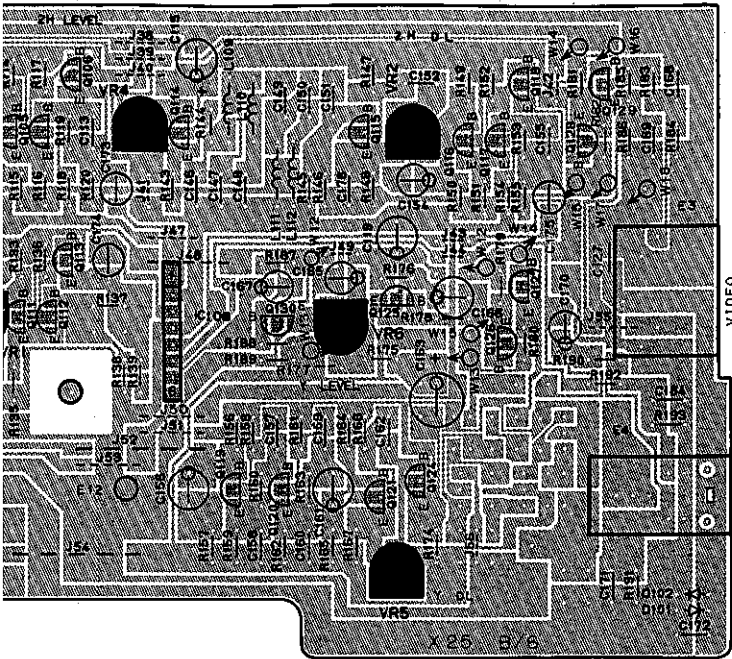
WIRING DIAGRAM



PC BOARD (Component Side View)

DISPLAY UNIT

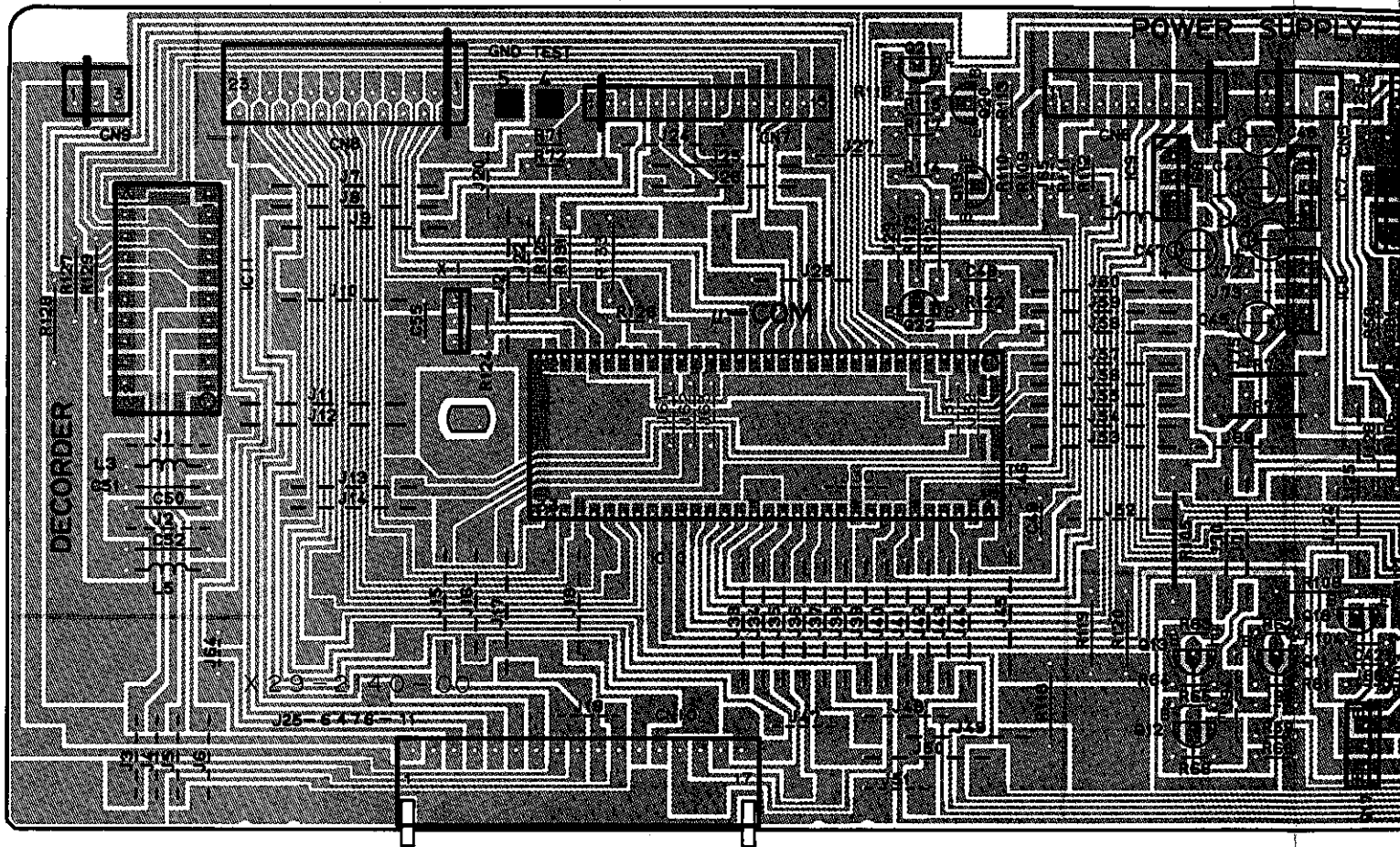


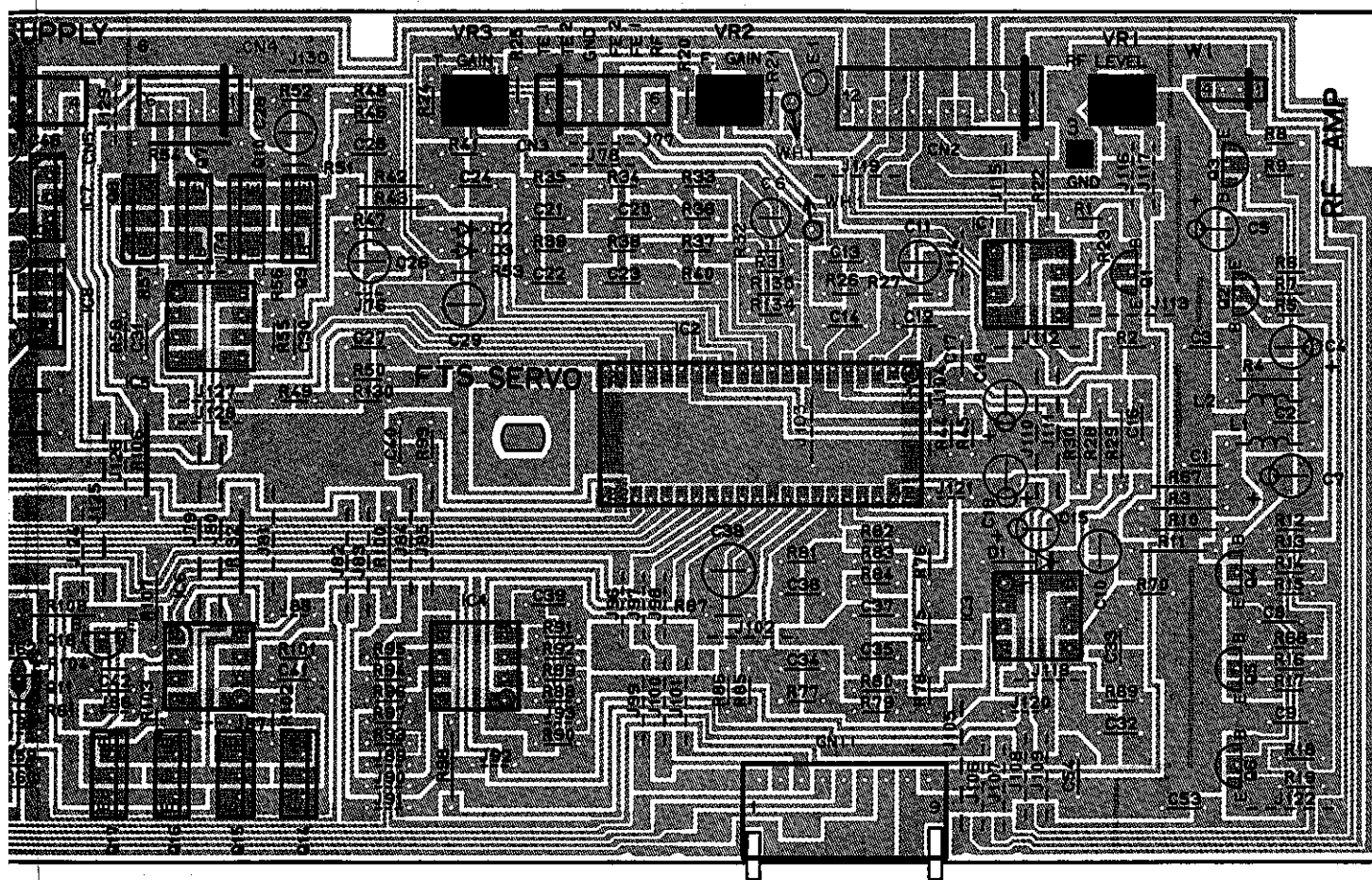


Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Component Side View)

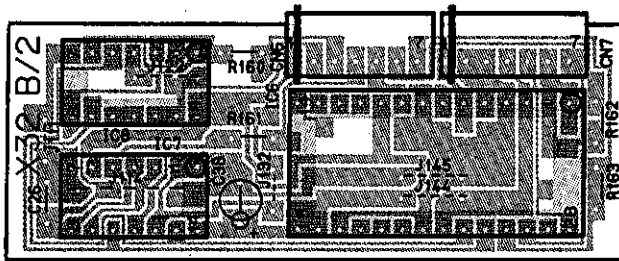
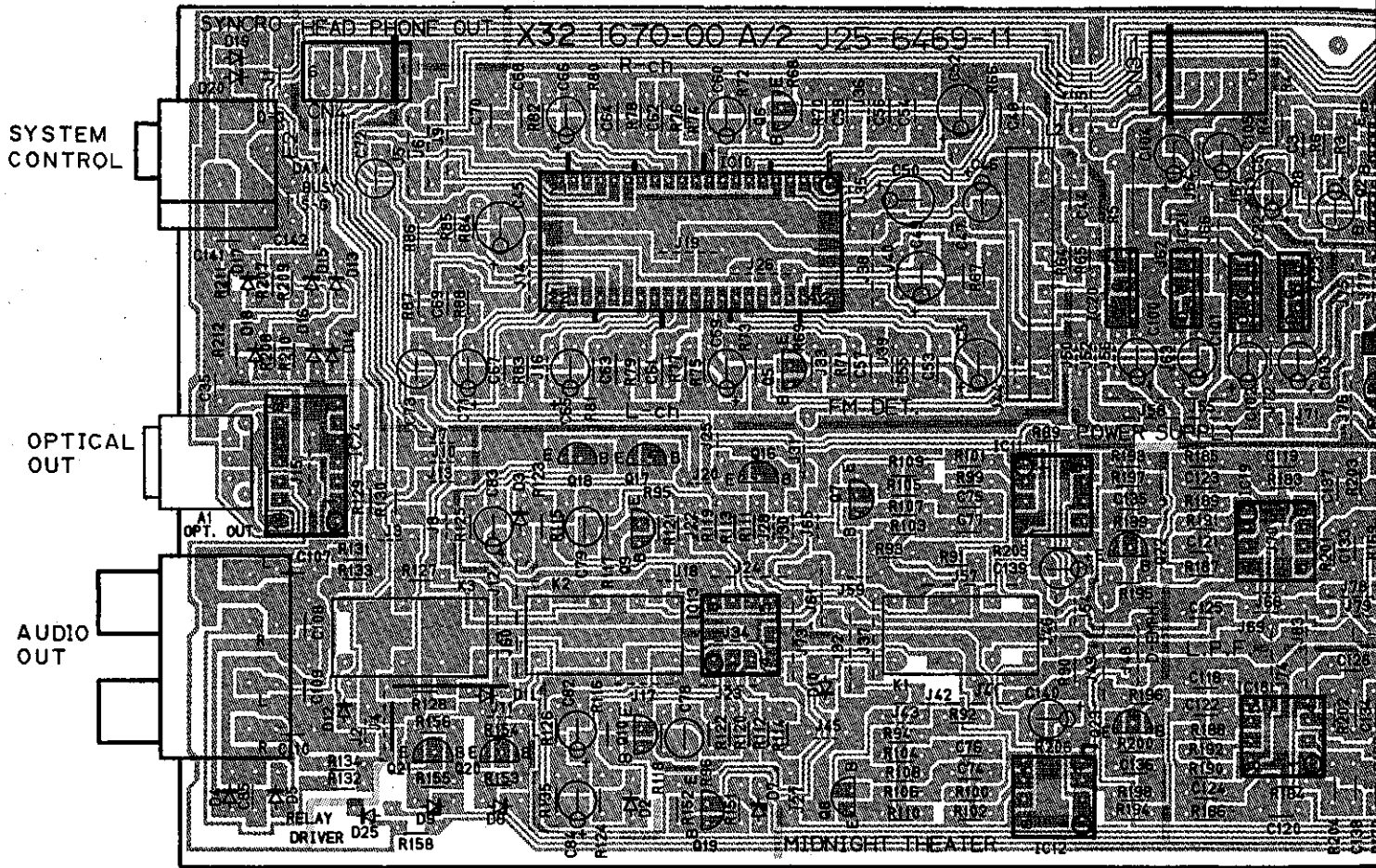
CONTROL UNIT

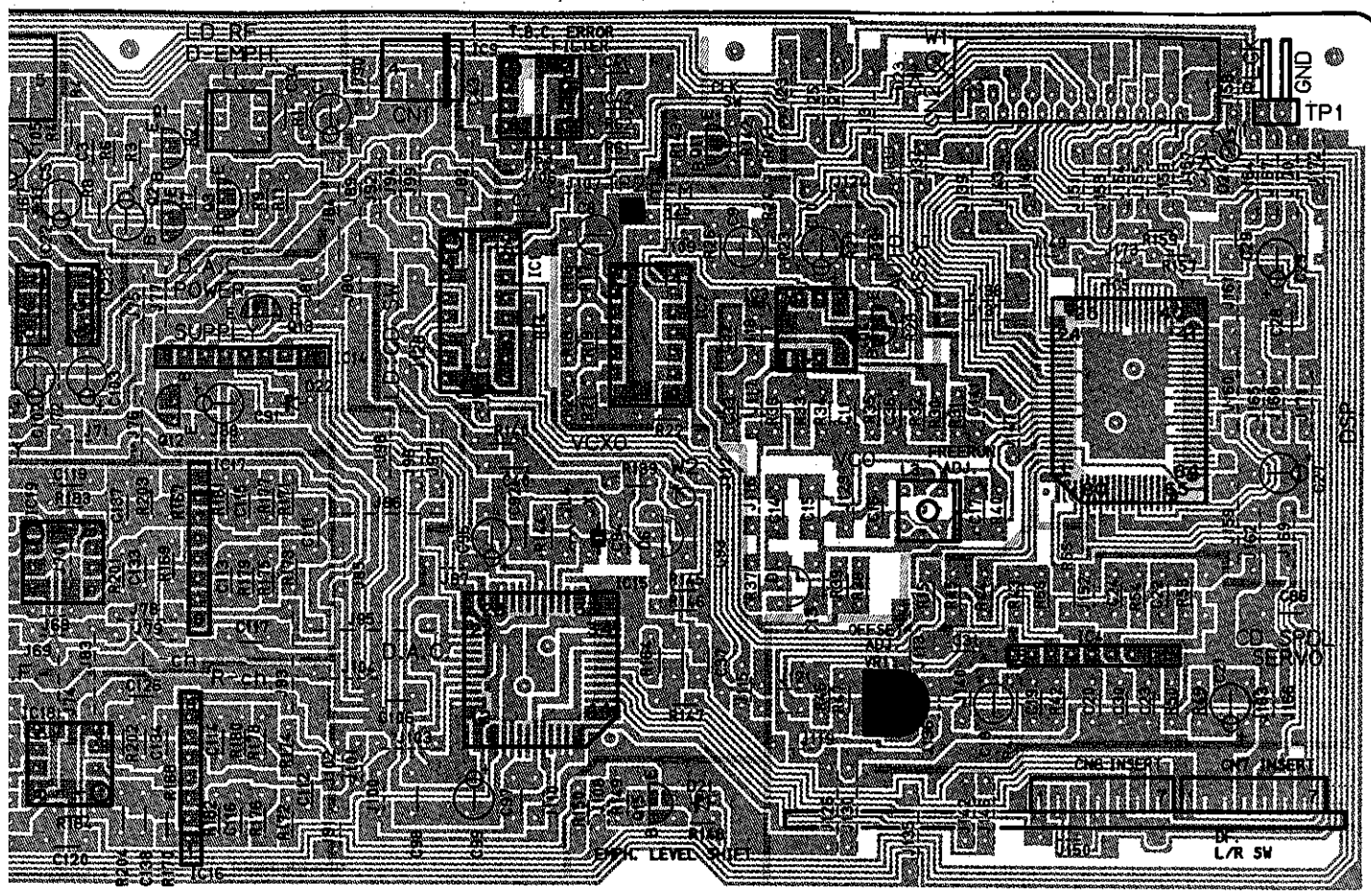




PC BOARD (Component Side View)

SIGNAL PROCESSOR UNIT

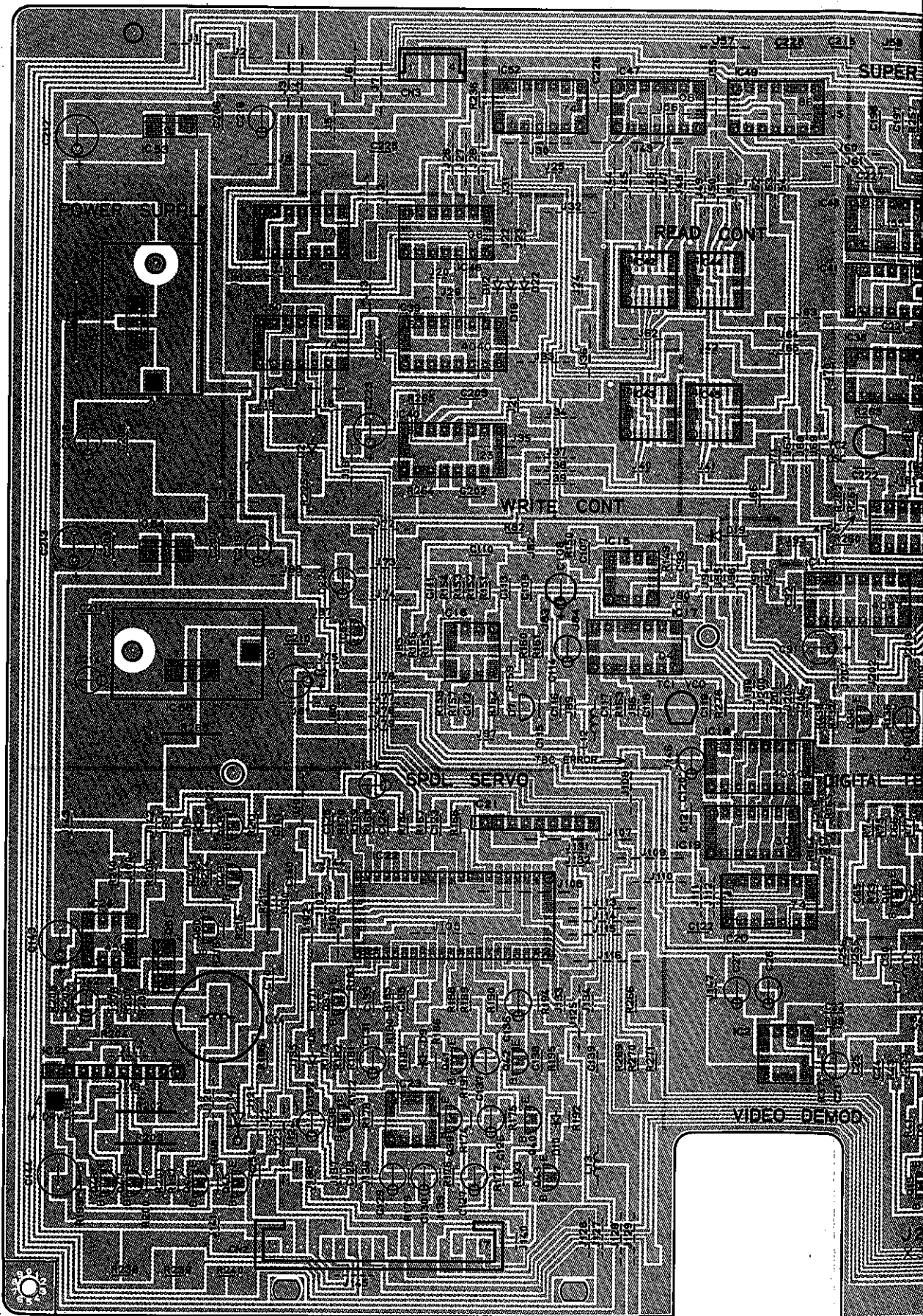


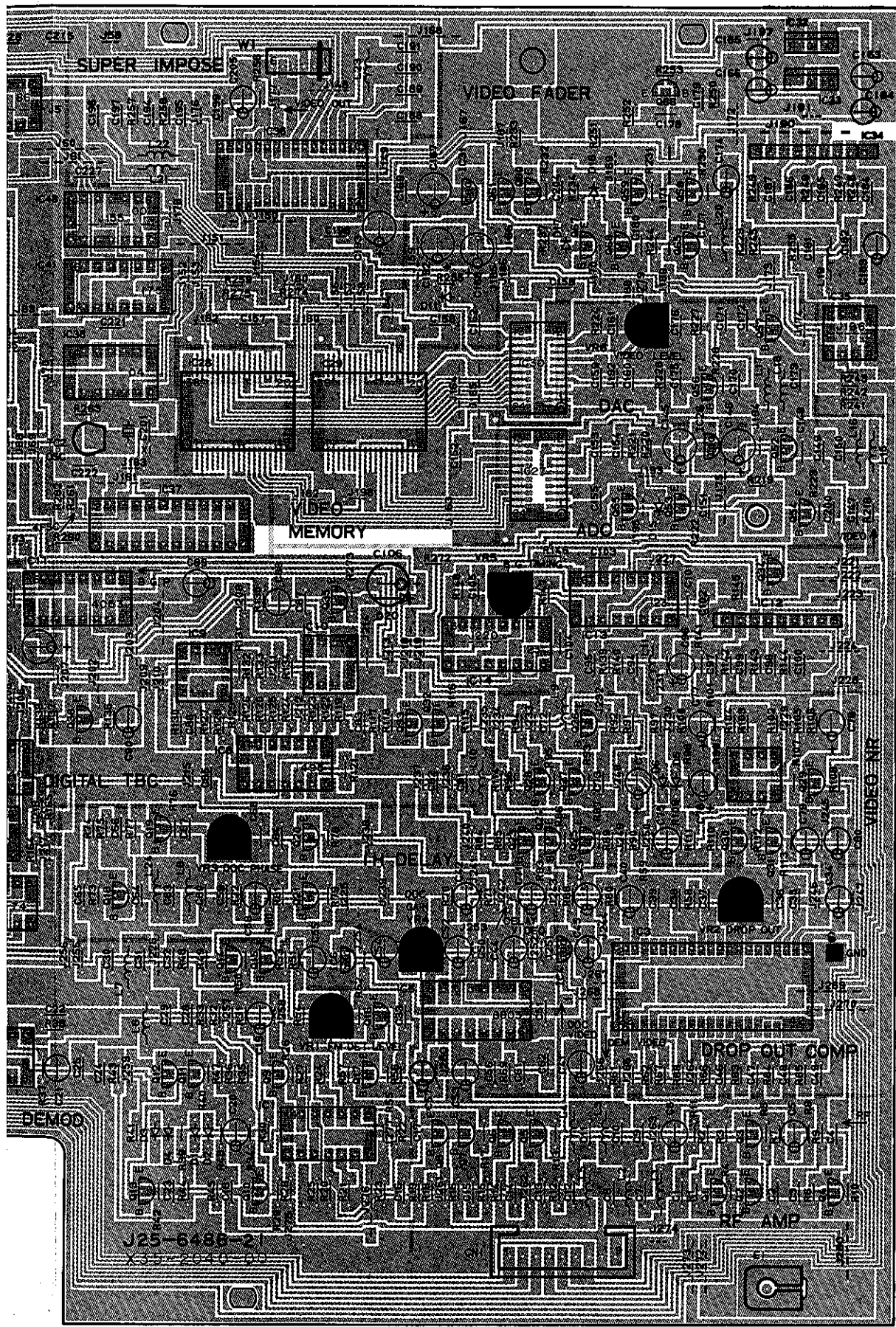


Refer to the schematic diagram for the values of resistors and capacitors.

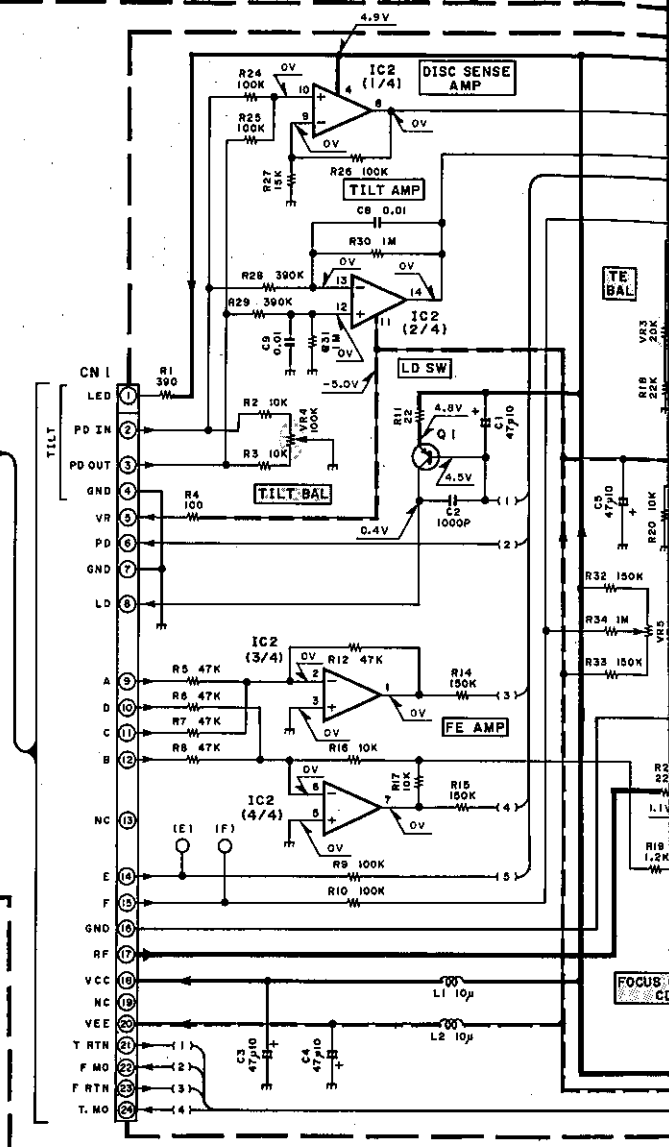
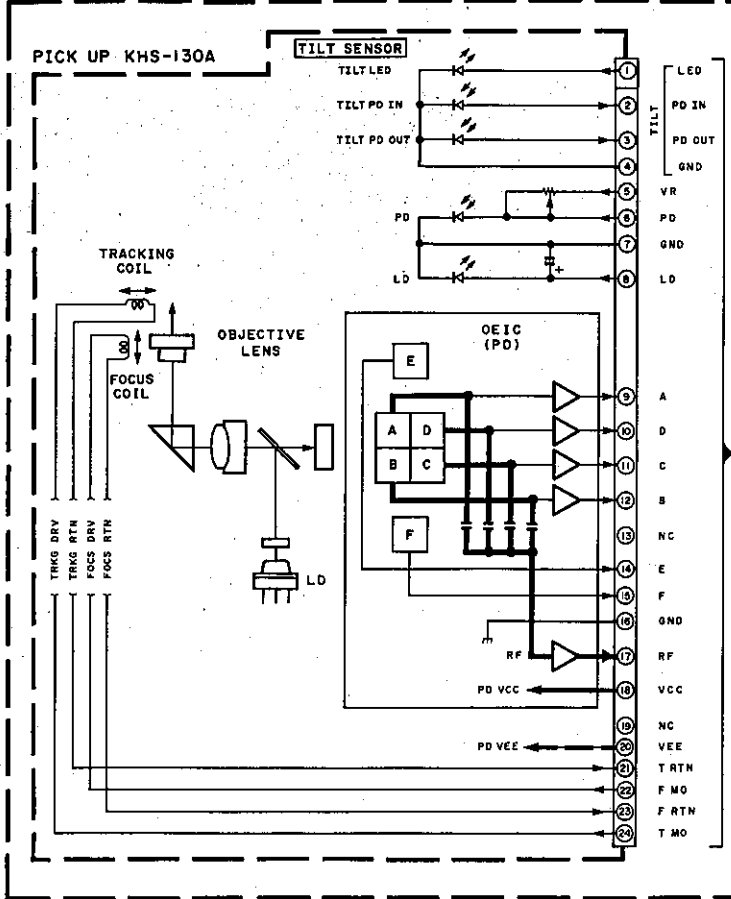
PC BOARD (Component Side View)

VIDEO UNIT

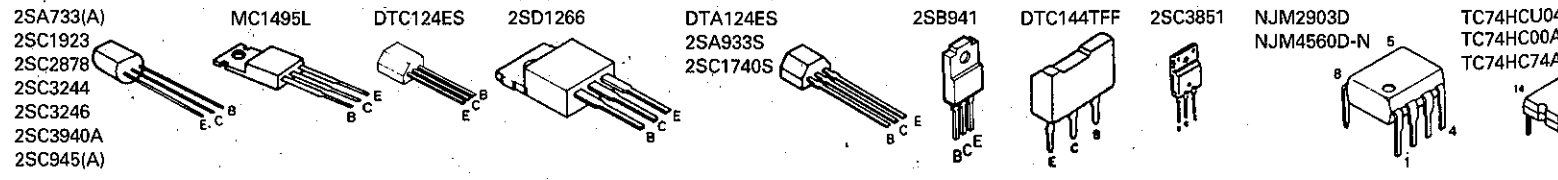


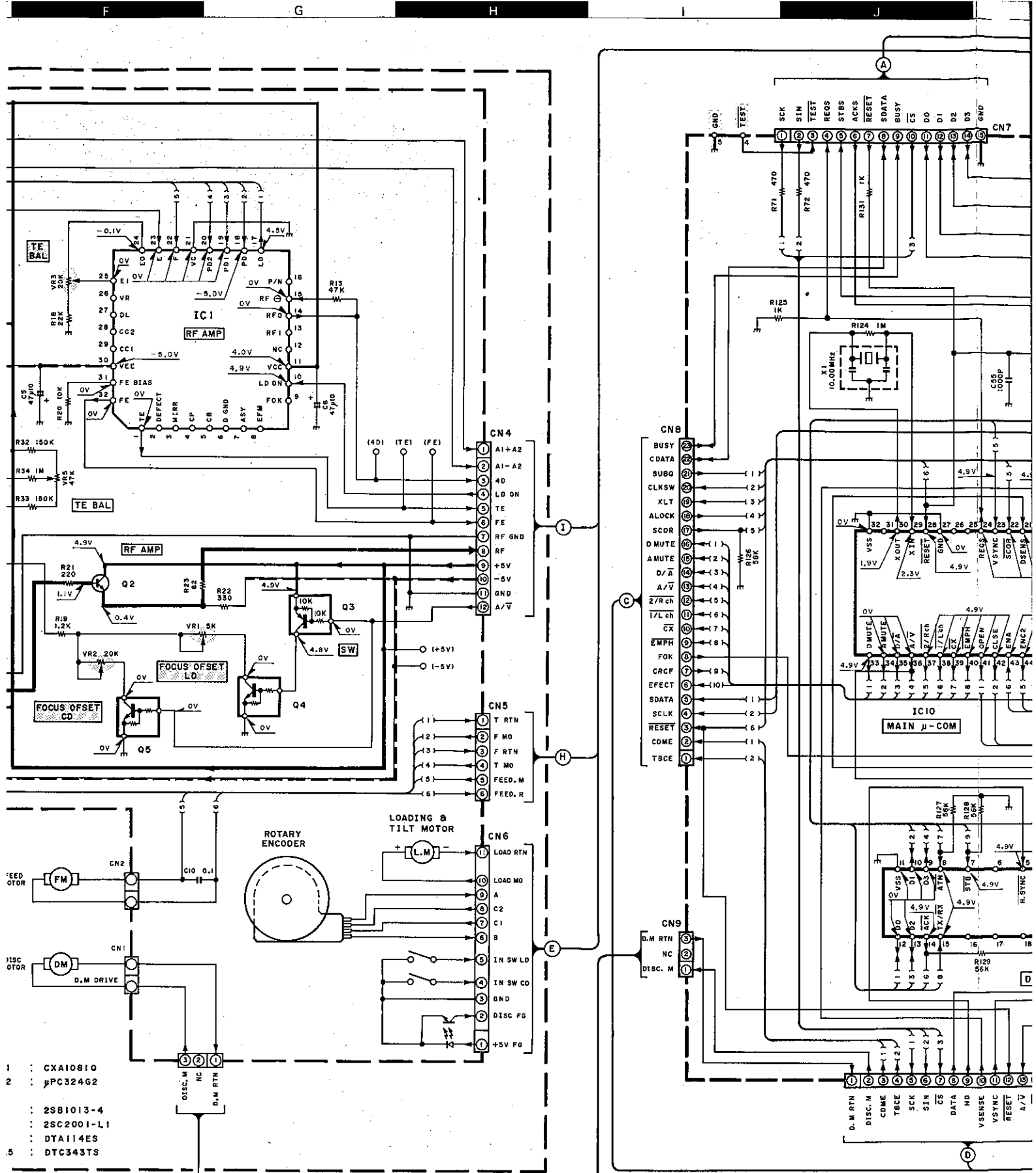


MECHA. ASSY (D40-0952-05)



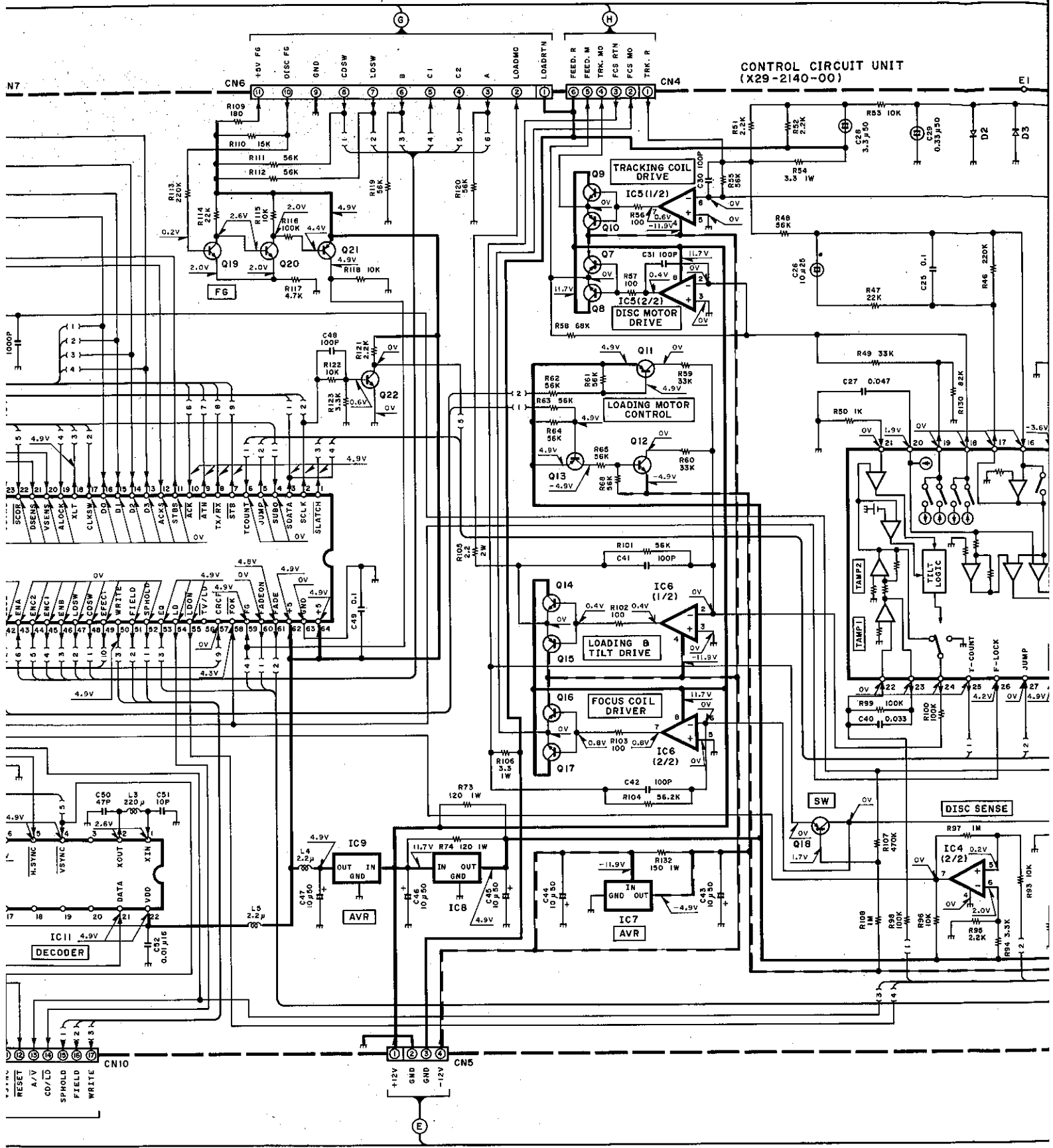
- FEED MOTOR (FM)
- DISC MOTOR (DM)
- IC 1 : CX101
- IC 2 : μPC3
- Q 1 : 2SB1
- Q 2 : 2SC2
- Q 3 : DTA1
- Q 4,5 : DTC3





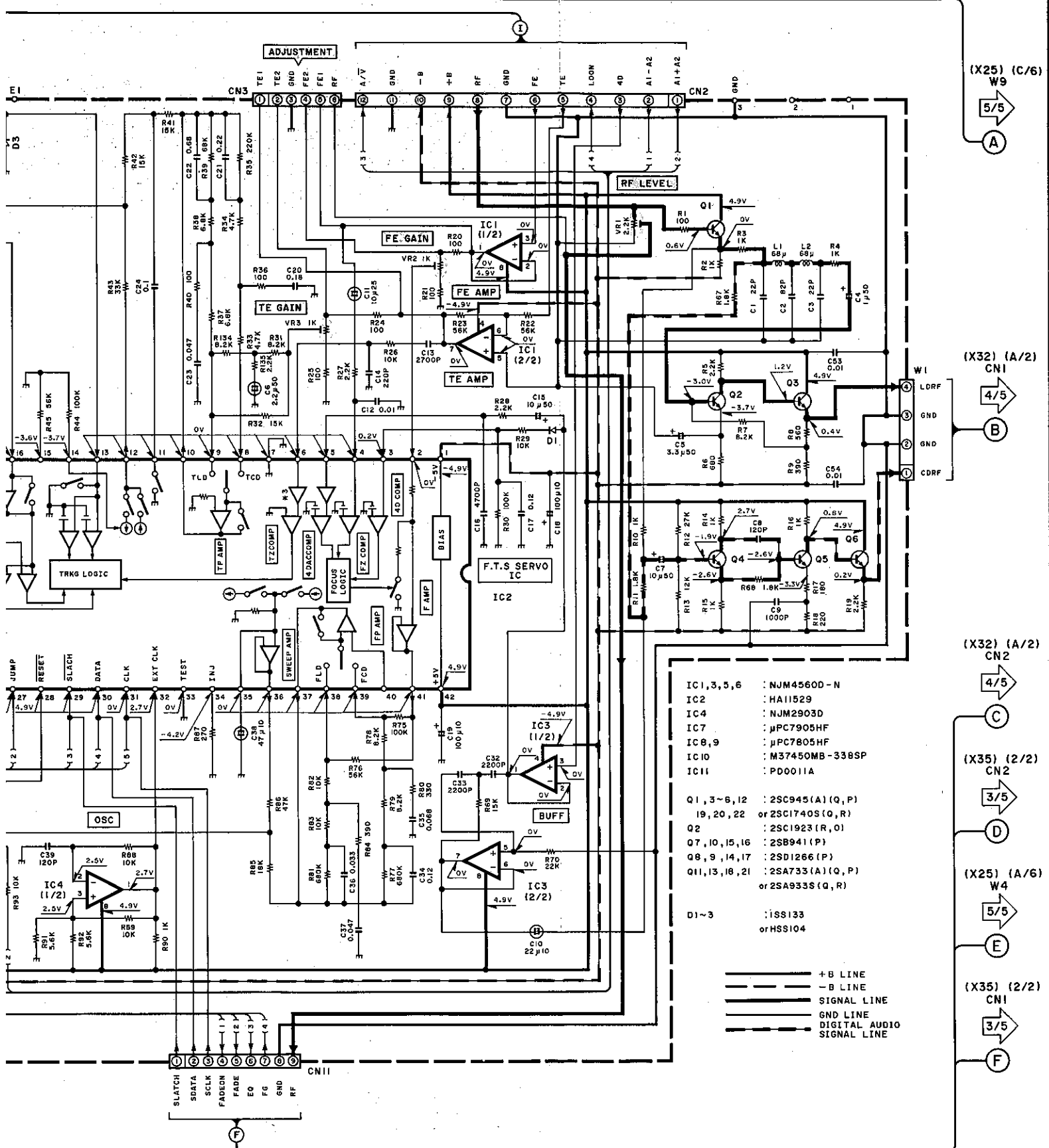
- 1 : CXA10810
 - 2 : μPC32462
 - 3 : 2S81013-4
 - 4 : 2SC2001-L1
 - 5 : DTA114ES
 - 6 : DTC343TS
-
- TC74HCU04AP
 - TC74HC00AP
 - TC74HC74AP
 - TC4053BP
 - CXA1413L
 - NJM4565D
 - PD0011A
 - TC74HC74AF
 - AN7805F
 - LM2940CT-5.0
 - UPC2408HF
 - UPC7805HF
 - M51951ASL





- NJM78L05A
- NJM79L05A
- 2SK246
- 2SK105
- 2SK163
- SM5813AP
- STA455C
- CXD1167Q
- TC9015P
- SM5860BF
- M374 UPD7

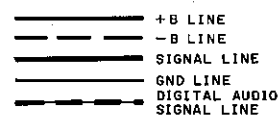




- IC1, 3, 5, 6 : NJM4560D-N
- IC2 : HA11529
- IC4 : NJM2903D
- IC7 : μ PC7905HF
- IC8, 9 : μ PC7805HF
- IC10 : M37450MB-338SP
- IC11 : P00011A

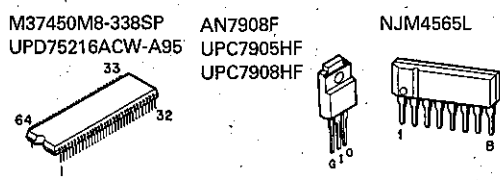
- Q1, 3-6, 12 : 2SC945(A) (Q, P)
19, 20, 22 or 2SC1740S (Q, R)
- Q2 : 2SC1923 (R, O)
- Q7, 10, 15, 16 : 2SB941 (P)
- Q8, 9, 14, 17 : 2SD1266 (P)
- Q11, 13, 18, 21 : 2SA733 (A) (Q, P)
or 2SA933S (Q, R)

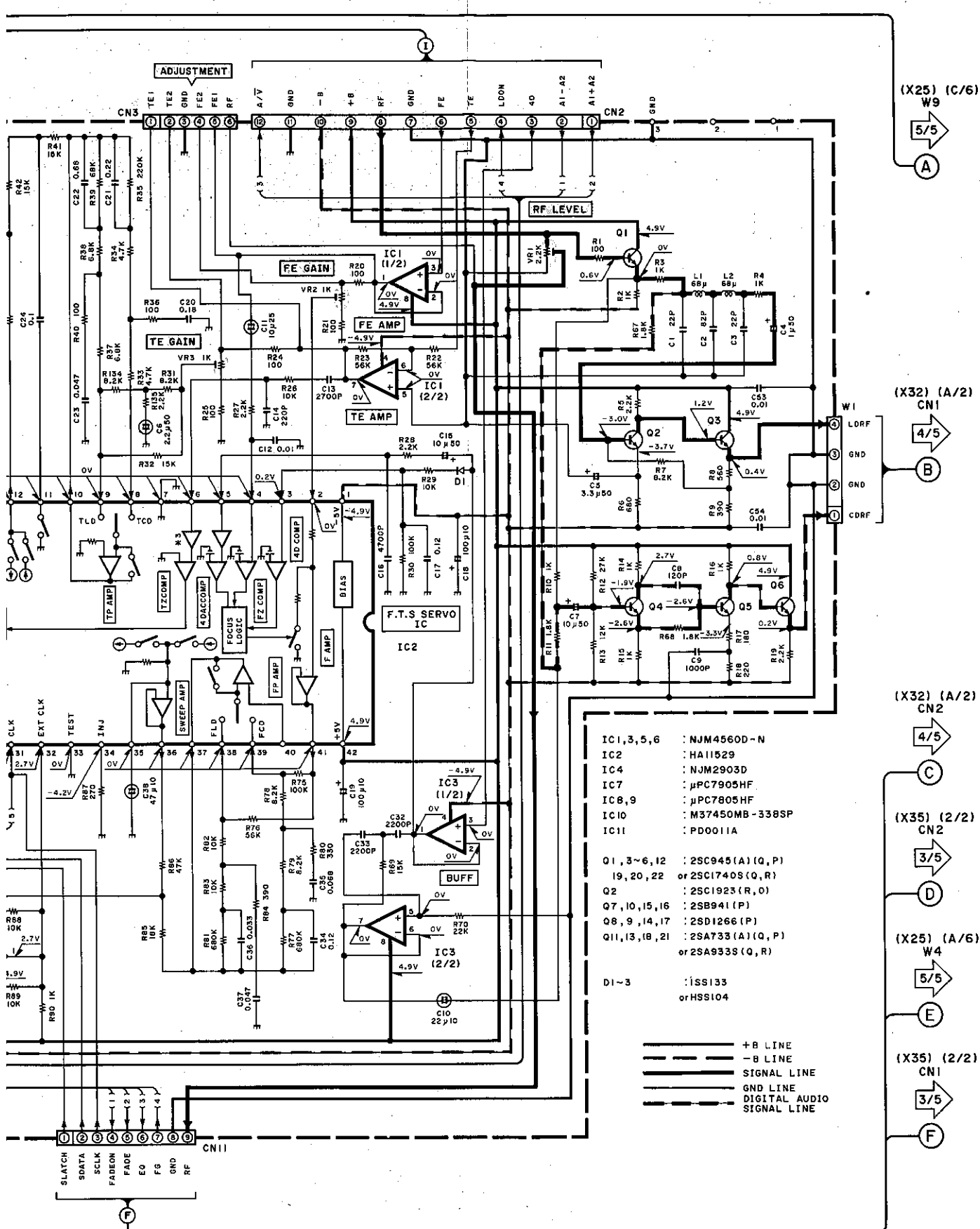
- D1-3 : 1SS133
or HSS104



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.

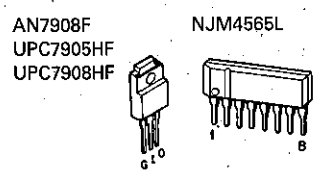
DC voltages are as measured with a high impedance. Values may vary slightly due to variations in individual instruments or/and units.





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.

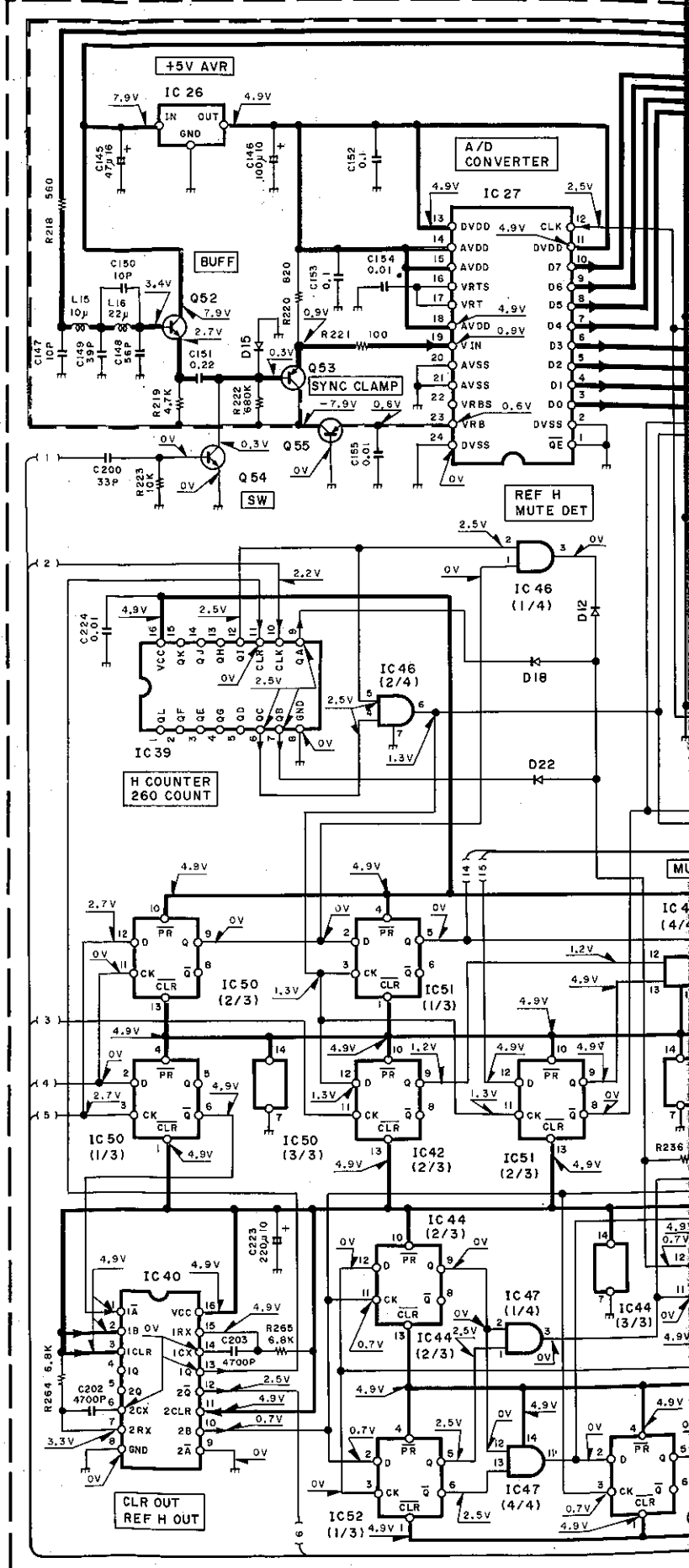
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

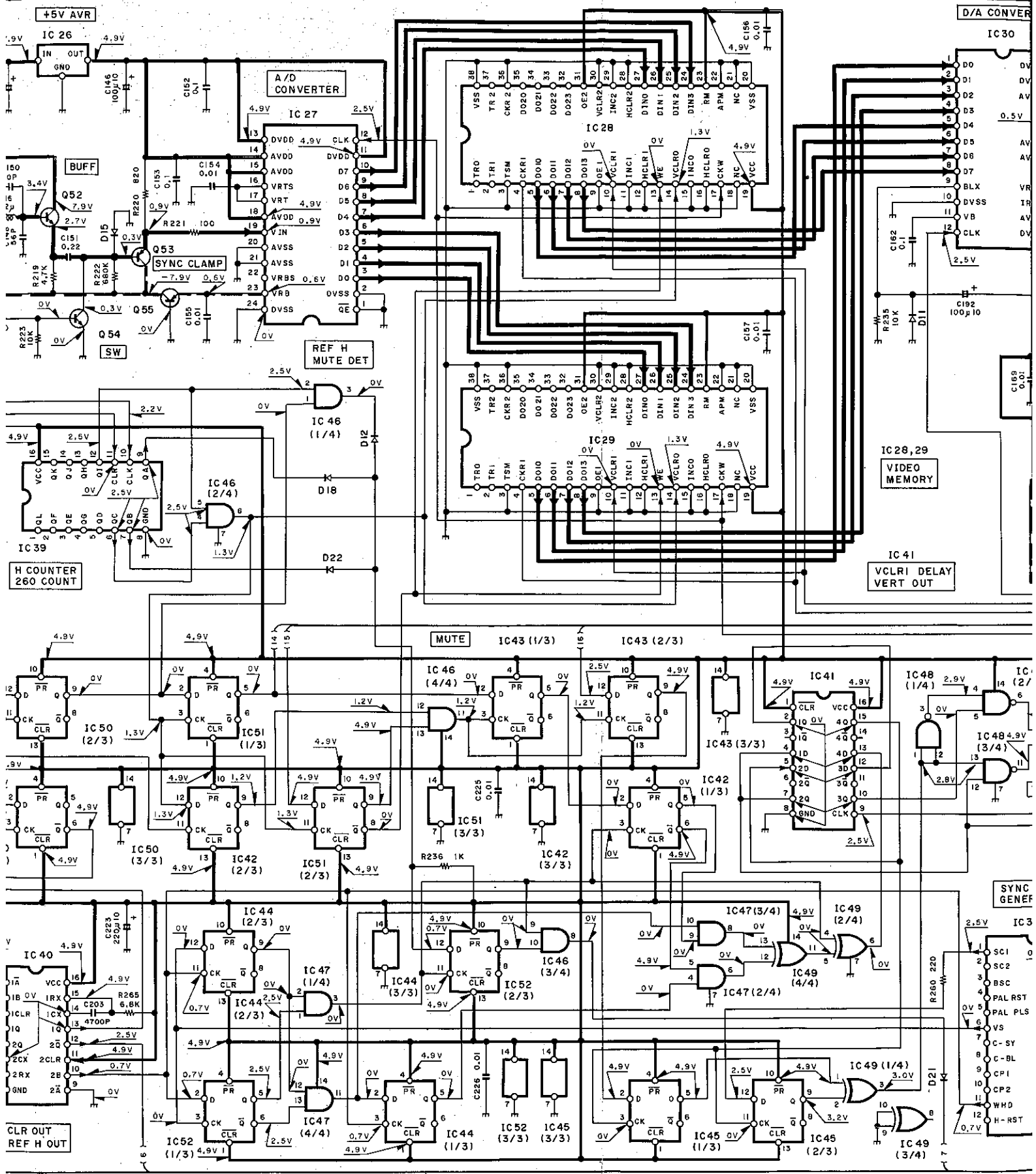


VIDEO CIRCUIT UNIT
(X35-2040-00)

IC26,31	:	NJM78L05A
IC27	:	CXD1175AM
IC28,29	:	CXK1206M
IC30	:	CXD1171M
IC32	:	μPC2408MF
IC33,58	:	AN7908F
IC34	:	TA7357P
IC35	:	NJM4565D
IC36	:	M50554-003SP
IC37	:	TC9015P
IC38	:	TC74HC04AP
IC39	:	TC74HC4040AP
IC40	:	TC74HC123AP
IC41	:	TC74HC175AP
IC42~45	:	TC74HC74AF
IC46,47	:	TC74HC08AP
IC48	:	TC74HC00AP
IC49	:	TC74HC86AP
IC50~52	:	TC74HC74AP
IC53,54	:	AN7805F
IC55	:	NJM79L05A
IC57	:	LM2940T-8.0

Q52,56,57,59,66,67	:	2SC945(A)(Q,P)
	or	2SC1740S(Q,R)
Q53,55,58,60,61	:	2SA733(A)(Q,P)
	or	2SA933S(Q,R)
Q54,65	:	2SC2878(B)
Q68	:	2SK105(F,H)
D11,12,15,17,18,22	:	ISS133 or HSS104





D/A CONVER

IC 30

A/D CONVERTER

IC 27

IC 28

IC 28,29
VIDEO MEMORY

IC 41
VCLRI DELAY
VERT OUT

IC 26

IC 39
H COUNTER
260 COUNT

IC 46 (1/4)

IC 46 (2/4)

MUTE IC 43 (1/3)

IC 43 (2/3)

IC 46 (4/4)

IC 42 (1/3)

IC 41

IC 48 (1/4)

IC 50 (2/3)

IC 51 (1/3)

IC 50 (3/3)

IC 42 (2/3)

IC 51 (2/3)

IC 40

IC 44 (2/3)

IC 47 (1/4)

IC 44 (2/3)

IC 52 (1/3)

IC 47 (4/4)

IC 52 (1/3)

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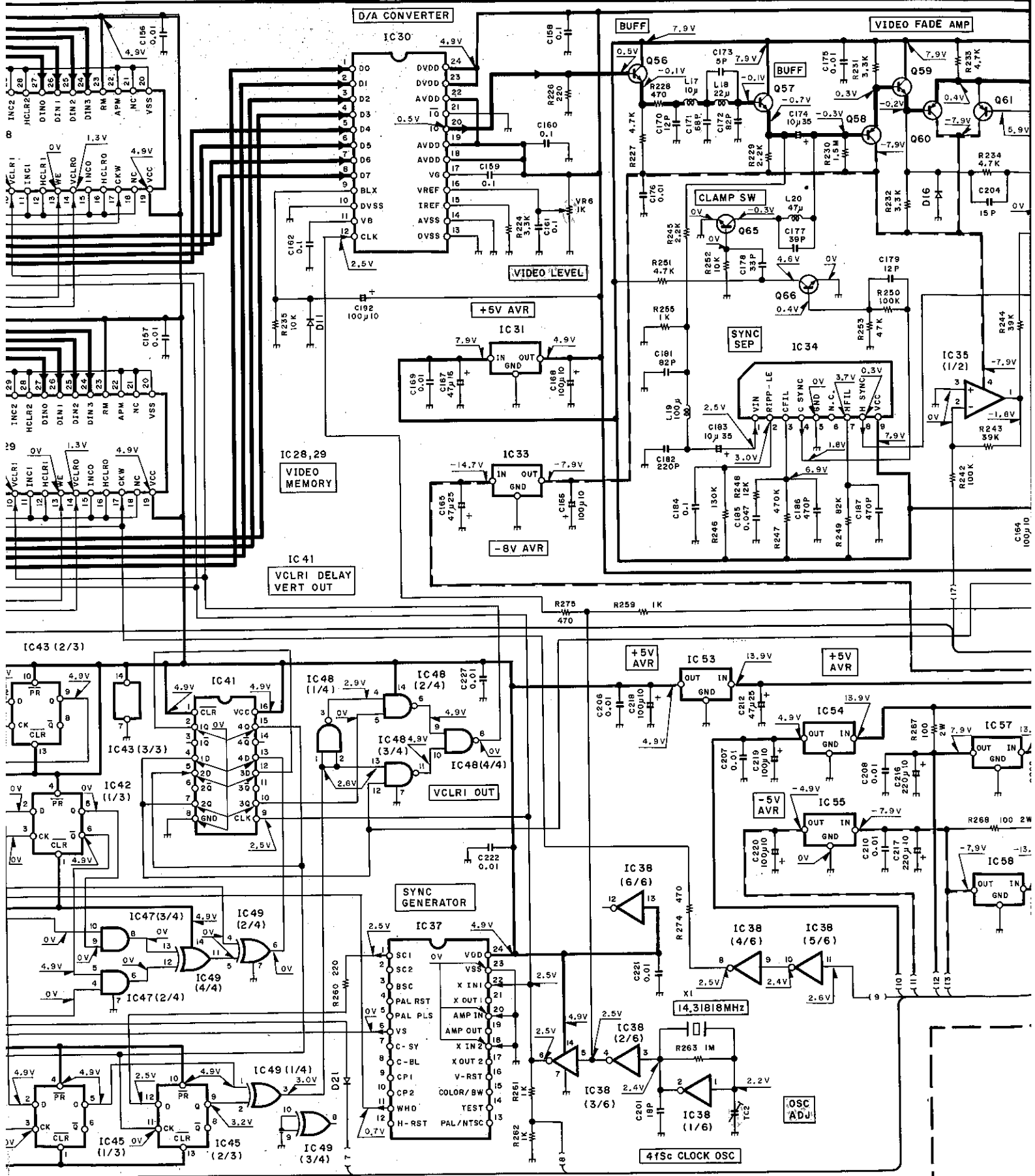
IC 3

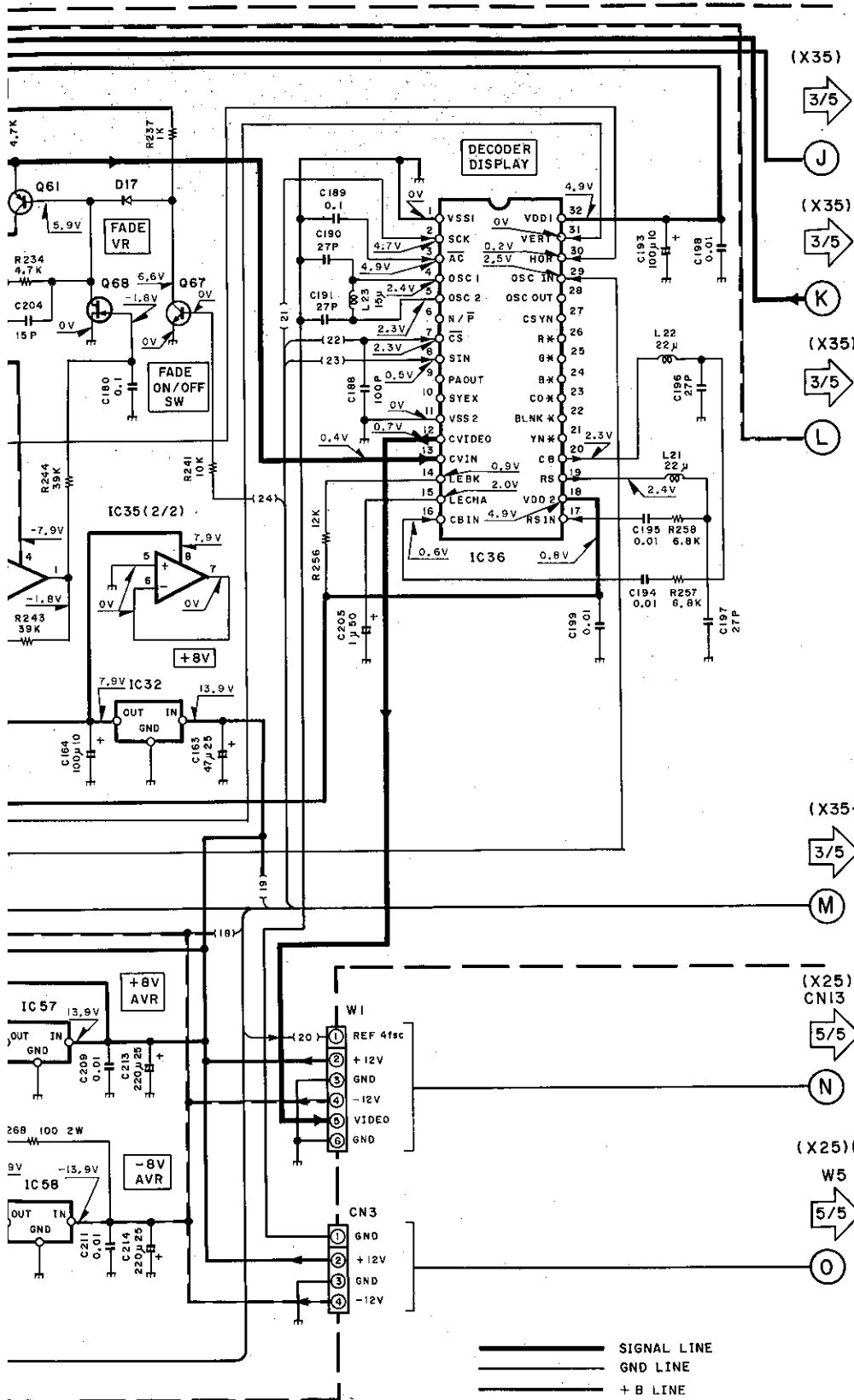
IC 3

IC 3

IC 3

IC 3





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

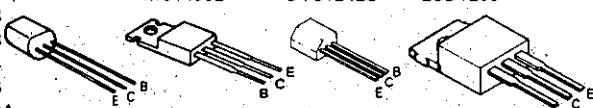
- 2SA733(A)
- 2SC1923
- 2SC2878
- 2SC3244
- 2SC3246
- 2SC3940A
- 2SC945(A)
- DTA124ES
- 2SA933S
- 2SC1740S
- TC74HC04AP
- TC74HC00AP
- TC74HC74AP
- PD0011A
- M51951ASL
- SM5813AP
- SM5860BF

SA733(A)
SC1923
SC287B
SC3244
SC3246
SC3940A
SC945(A)

MC1495L

DTC124ES

2SD1266



ITA124ES
SA933S
SC1740S

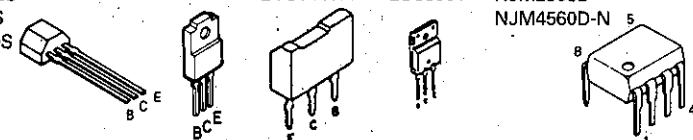
2SB941

DTC144TFF

2SC3851

NJM2903D

NJM4560D-N

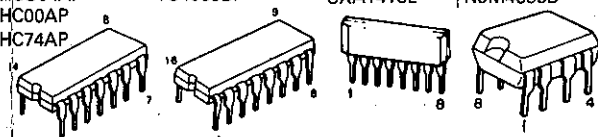


C74HC04AP
C74HC00AP
C74HC74AP

TC4053BP

CXA1413L

NJM4565D



D0011A

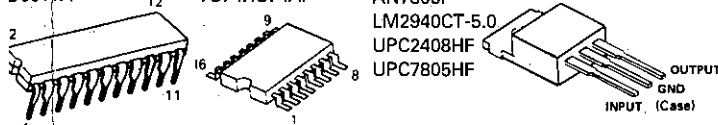
TC74HC74AF

AN7805F

LM2940CT-5.0

UPC2408HF

UPC7805HF



I51951ASL

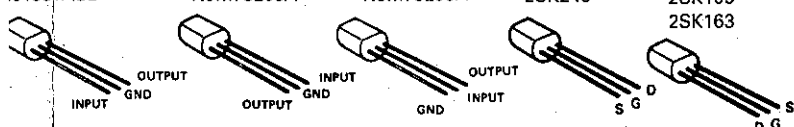
NJM78L05A

NJM79L05A

2SK246

2SK105

2SK163

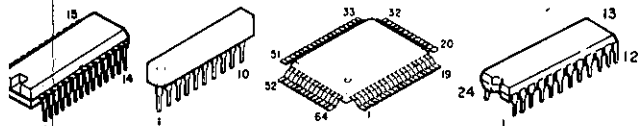


M5813AP

STA455C

CXD1167Q

TC9015P



V5860BF

M37450M8-338SP

UPD75216ACW-A95


AN7908F

UPC7905HF

UPC7908HF

NJM4565L

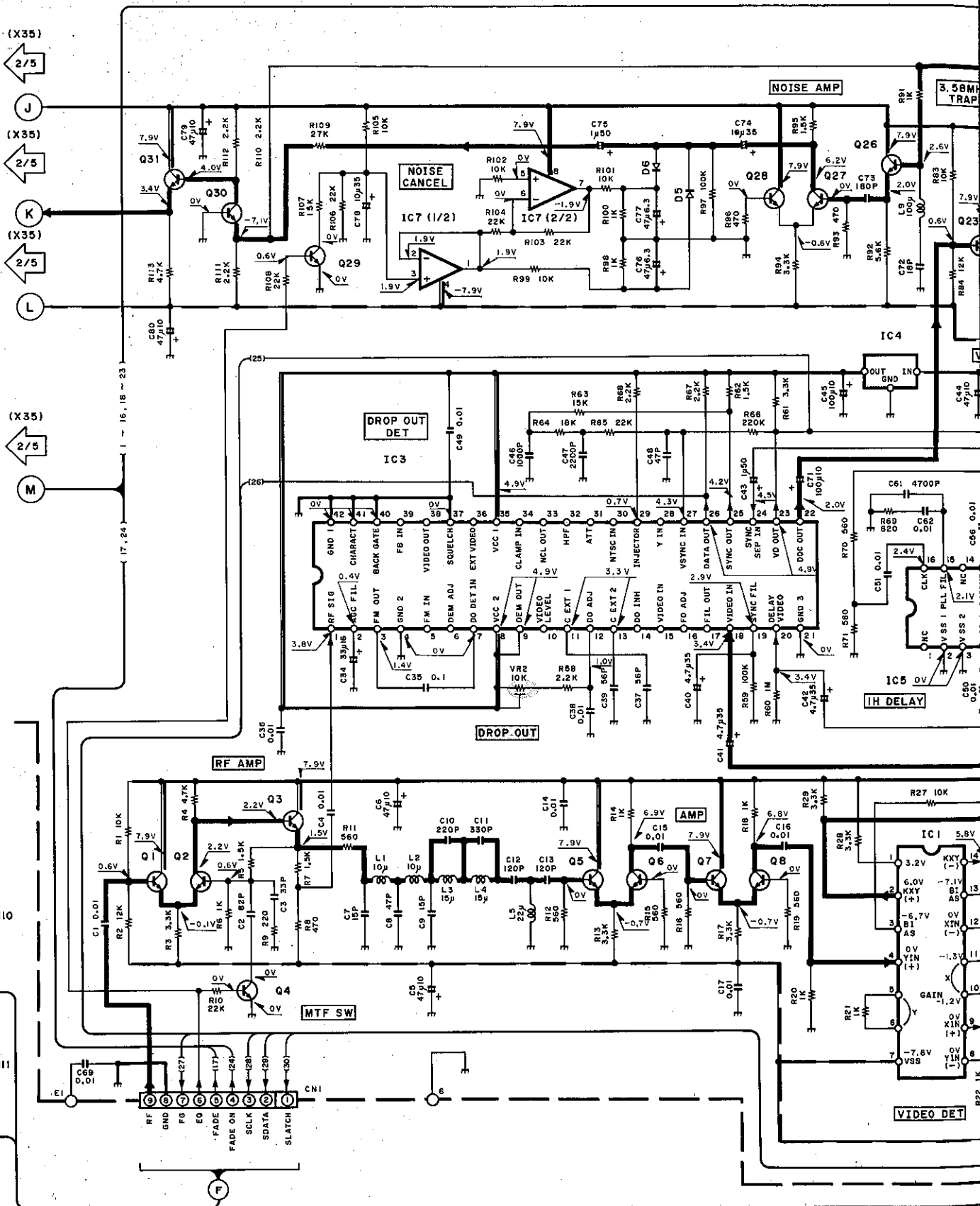


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

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

LVD-700
KENWOOD

VIDEO CIRCUIT UNIT
(X35-2040-00) (2/2)



2

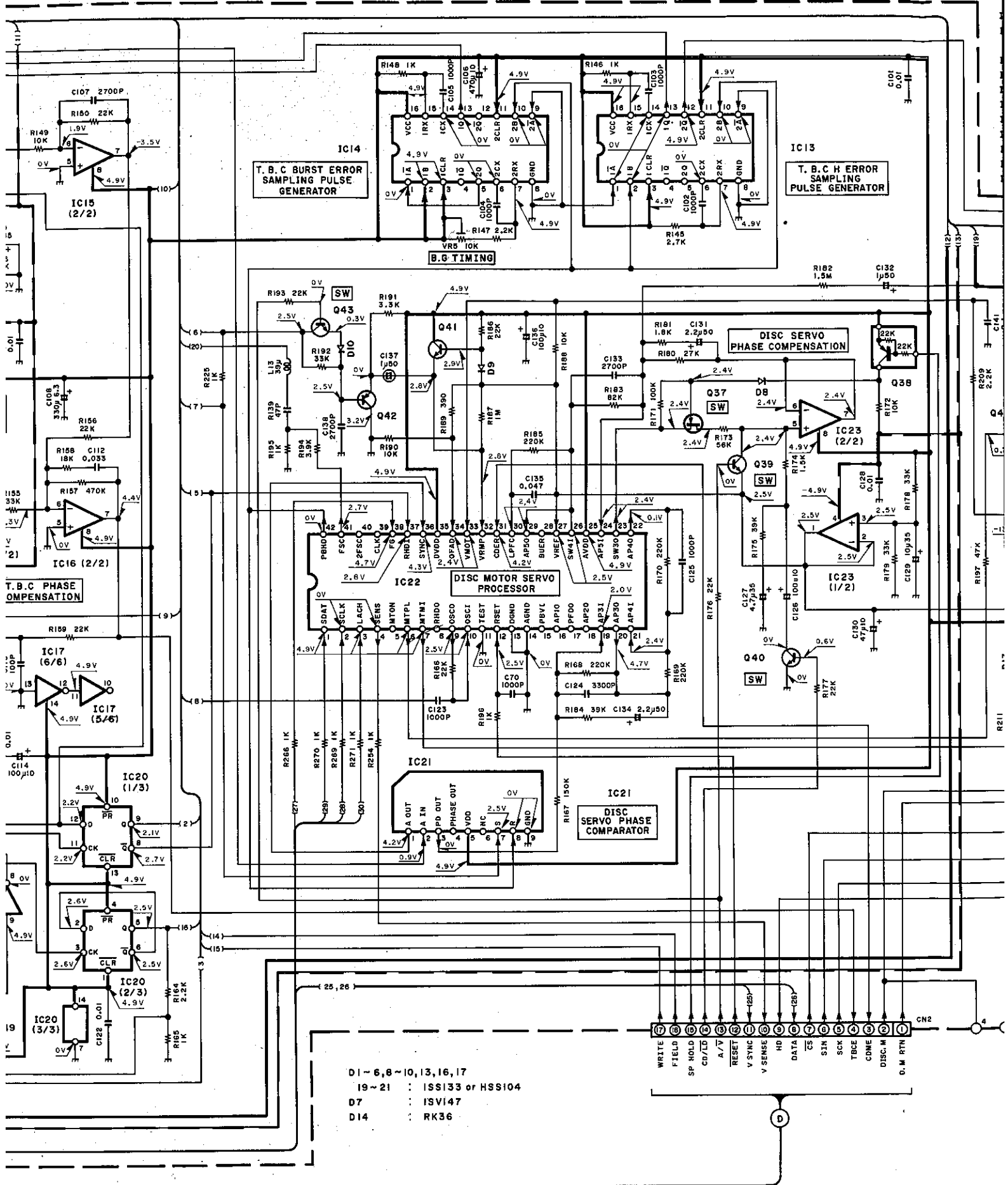
3

4

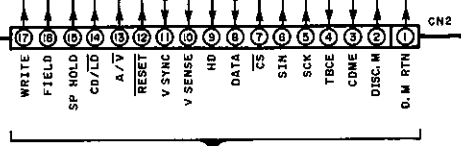
5

6

7



- D1 - 6, 8 - 10, 13, 16, 17
- I9 - 21 : ISS133 or HSS104
- D7 : ISV147
- D14 : RK36



- | | |
|---------------------------------------|--------------------|
| IC 1, 8 : MC1495L | IC 20 : TC74HC74AP |
| IC 2, 7, 9, 10, 15, 16, 23 : NJM4565D | IC 21 : TC5081AP |
| IC 3 : HA1152BNT | IC 22 : HD49403NT |
| IC 4, 6 : NJM78L05A | IC 24 : NJM4560D-N |
| IC 5 : TL8803P | IC 25 : STA455C |
| IC 11 : TC4053BP | |
| IC 12 : TA7357P | |
| IC 13, 14 : TC74HC123AP | |
| IC 17 : TC74HC004AP | |
| IC 18 : TC74HC4040AP | |
| IC 19 : TC74HC30AP | |

- | | | | |
|-----------|---------|----------|---------|
| 2SA733(A) | MC1495L | DTC124ES | 2SD1266 |
| 2SC1923 | | | |
| 2SC287B | | | |
| 2SC3244 | | | |
| 2SC3246 | | | |
| 2SC3940A | | | |
| 2SC945(A) | | | |

- | | | | | |
|----------|--------|-----------|---------|------------|
| DTA124ES | 2SB941 | DTC144TFF | 2SC3851 | NJM2903D |
| 2SA933S | | | | NJM4560D-N |
| 2SC1740S | | | | |

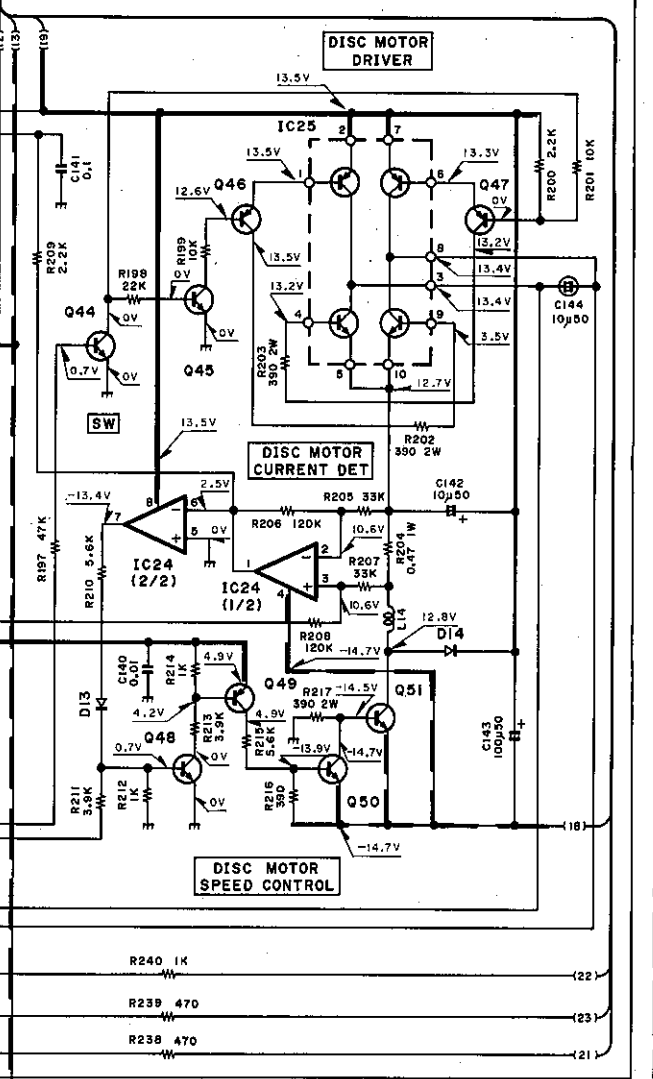
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|-------------|----------|----------|----------|
| TC74HC004AP | TC4053BP | CXA1413L | NJM4565D |
| TC74HC000AP | | | |
| TC74HC74AP | | | |

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|---------|------------|--------------|--|
| PD0011A | TC74HC74AF | AN7805F | |
| | | LM2940CT-5.0 | |
| | | UPC2408HF | |
| | | UPC7805HF | |

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|-----------|-----------|-----------|--------|--------|
| M51951ASL | NJM78L05A | NJM79L05A | 2SK246 | 2SK105 |
| | | | 2SK163 | |

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|----------|---------|----------|---------|
| SM5813AP | STA455C | CXD1167Q | TC9015P |
|----------|---------|----------|---------|

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|----------|-----------------|-----------|----------|
| SM5860BF | M37450M8-338SP | AN7908F | NJM4565L |
| | UPD75216ACW-A95 | UPC7905HF | |
| | | UPC7908HF | |



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|--------------------------------------|---------------------|
| Q 1, 2, 5~8, 11~15, 23, 24, 27, 28 | |
| 30, 32, 33 | : 2SC1923 (R, Q) |
| Q 3, 4, 9, 10, 16~20, 25, 26, 29, 31 | |
| 36, 39~41, 43~45, 48, 50 | : 2SC945 (A) (Q, P) |
| | or 2SC1740S (Q, R) |
| Q 21, 42, 46, 47, 49 | |
| | : 2SA733 (A) (Q, P) |
| | or 2SA933S (Q, R) |
| Q 34, 38 | : DTA124ES |
| Q 35, 37 | : 2SK105 (F, H) |
| Q 51 | : 2SC3851 |

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

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

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



- C1495L IC20 : TC74HC74AP
- .16,23 IC21 : TC5081AP
- JM4565D IC22 : HD49403NT
- AI1528NT IC24 : NJM4560D-N
- JM78L05A IC25 : STA455C
- L8803P
- C4053BP
- A7357P
- C74HC123AP
- C74HCU04AP
- C74HC4040AP
- C74HC30AP

- 2SA733(A) MC1495L DTC124ES 2SD1266
- 2SC1923
- 2SC2878
- 2SC3244
- 2SC3246
- 2SC3940A
- 2SC945(A)

- DTA124ES 2SB941 DTC144TFF 2SC3851 NJM2903D
- 2SA933S
- 2SC1740S
- NJM4560D-N

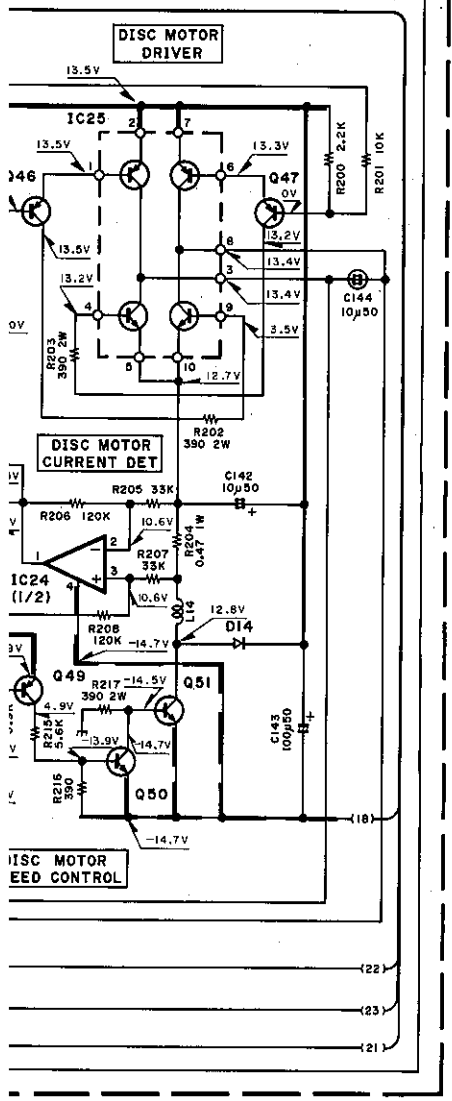
- TC74HCU04AP TC4053BP CXA1413L NJM4565D
- TC74HC00AP
- TC74HC74AP

- PD0011A TC74HC74AF AN7805F LM2940CT-5.0
- UPC2408HF UPC7805HF

- M51951ASL NJM78L05A NJM79L05A 2SK246 2SK105 2SK163

- SM5813AP STA455C CXD1167Q TC9015P

- SM5860BF M37450M8-338SP AN7908F NJM4565L
- UPD75216ACW-A95 UPC7905HF UPC7908HF



- 1, 2, 5 ~ 8, 11 ~ 15, 23, 24, 27, 28
- 0, 32, 33 : 2SC1923 (R, Q)
- 4, 9, 10, 16 ~ 20, 25, 26, 29, 31
- 6, 39 ~ 41, 43 ~ 45, 48, 50
- : 2SC945 (A) (Q, P)
- or 2SC1740S (Q, R)
- 1, 42, 46, 47, 49
- : 2SA733 (A) (Q, P)
- or 2SA933S (Q, R)
- 4, 38 : DTA124ES
- 5, 37 : 2SK105 (F, H)
- 1 : 2SC3851

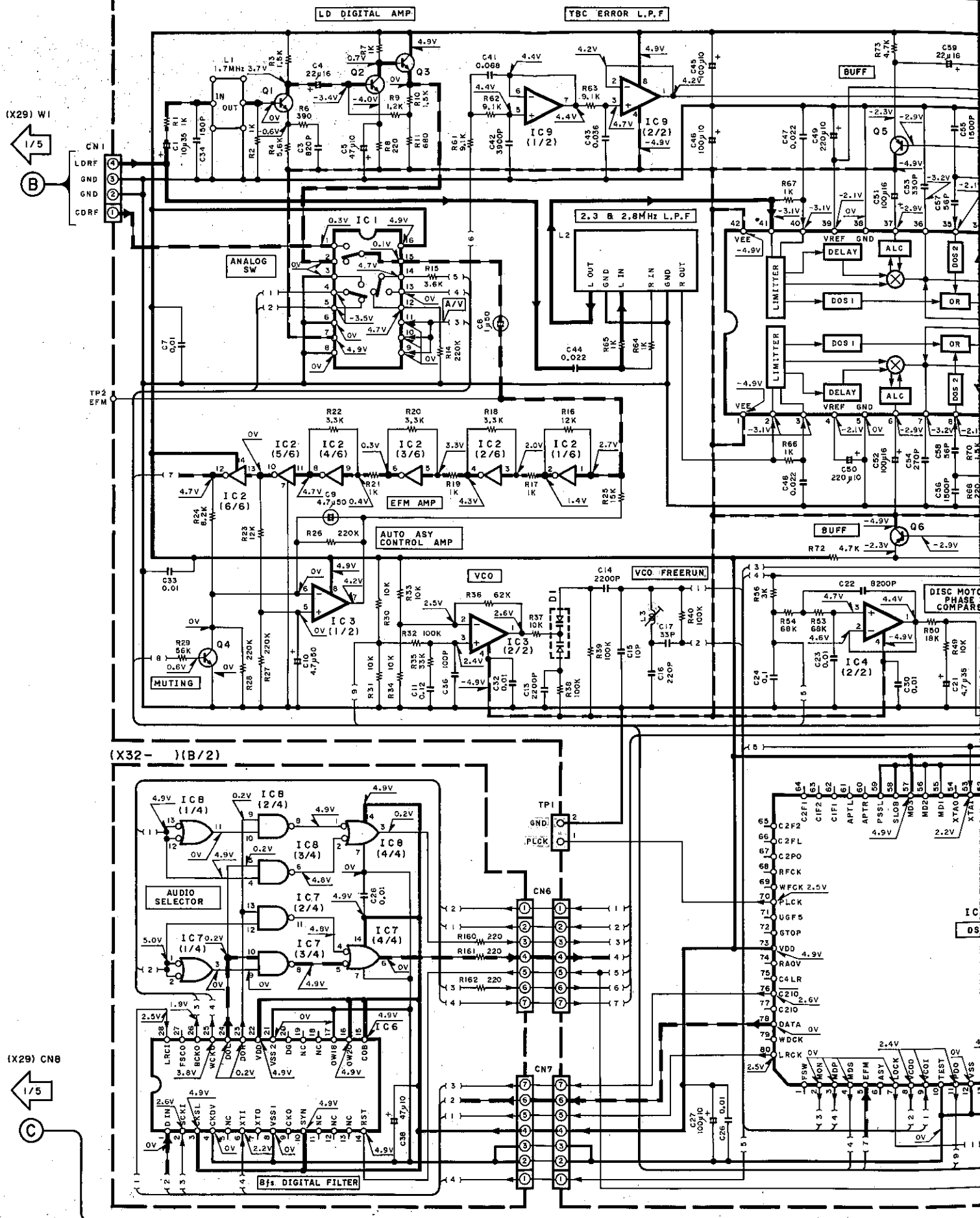
— SIGNAL LINE
 — GND LINE
 — +B LINE
 — -B LINE

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

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



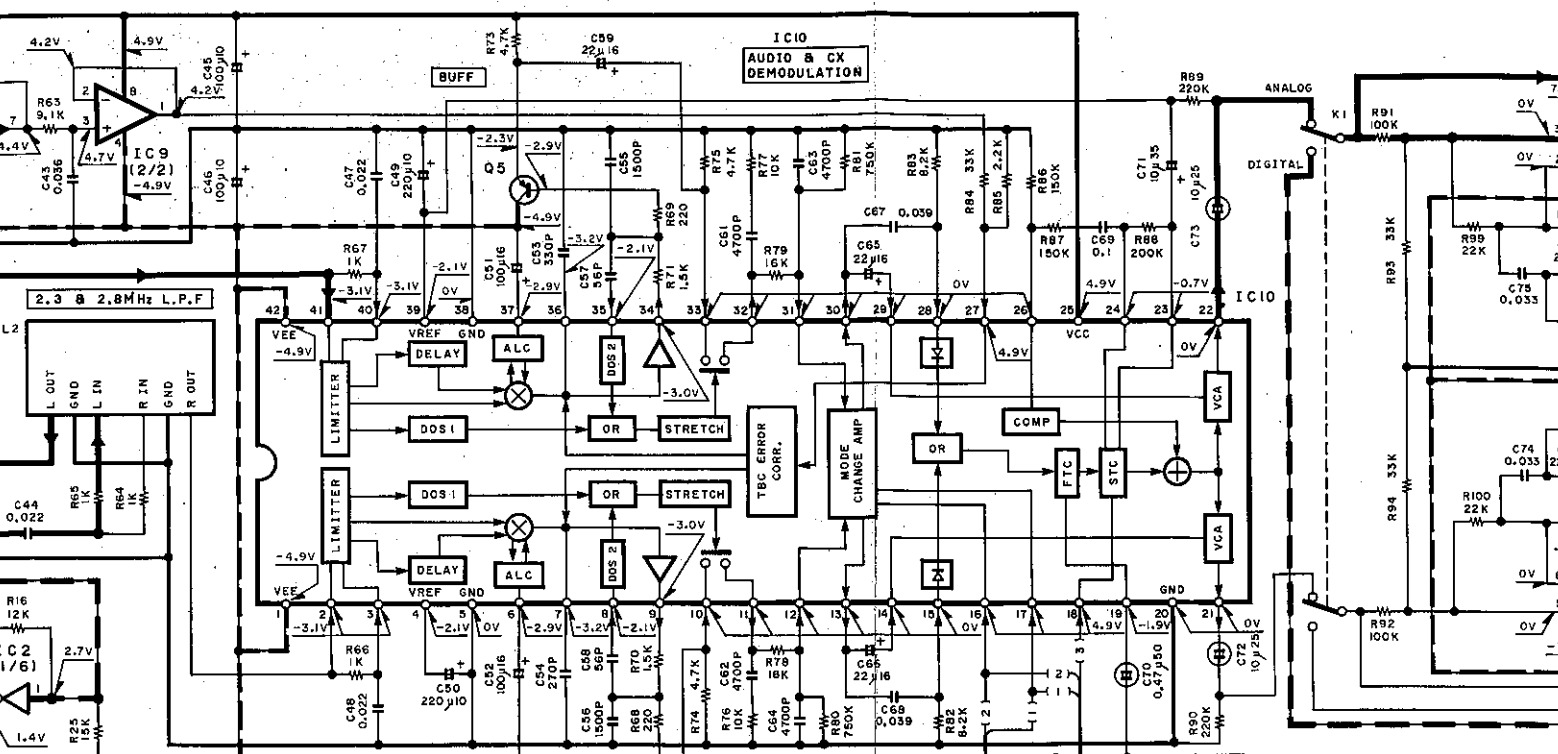
PROCESSOR CIRCUIT UNIT (X32-1670-00)(A/2)



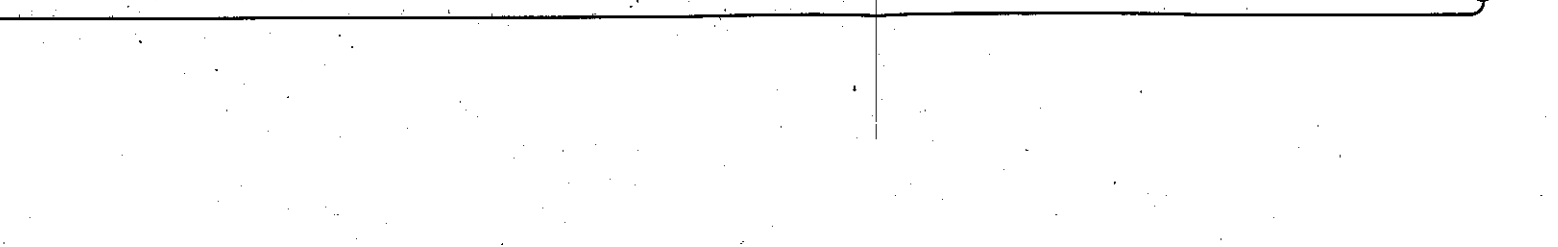
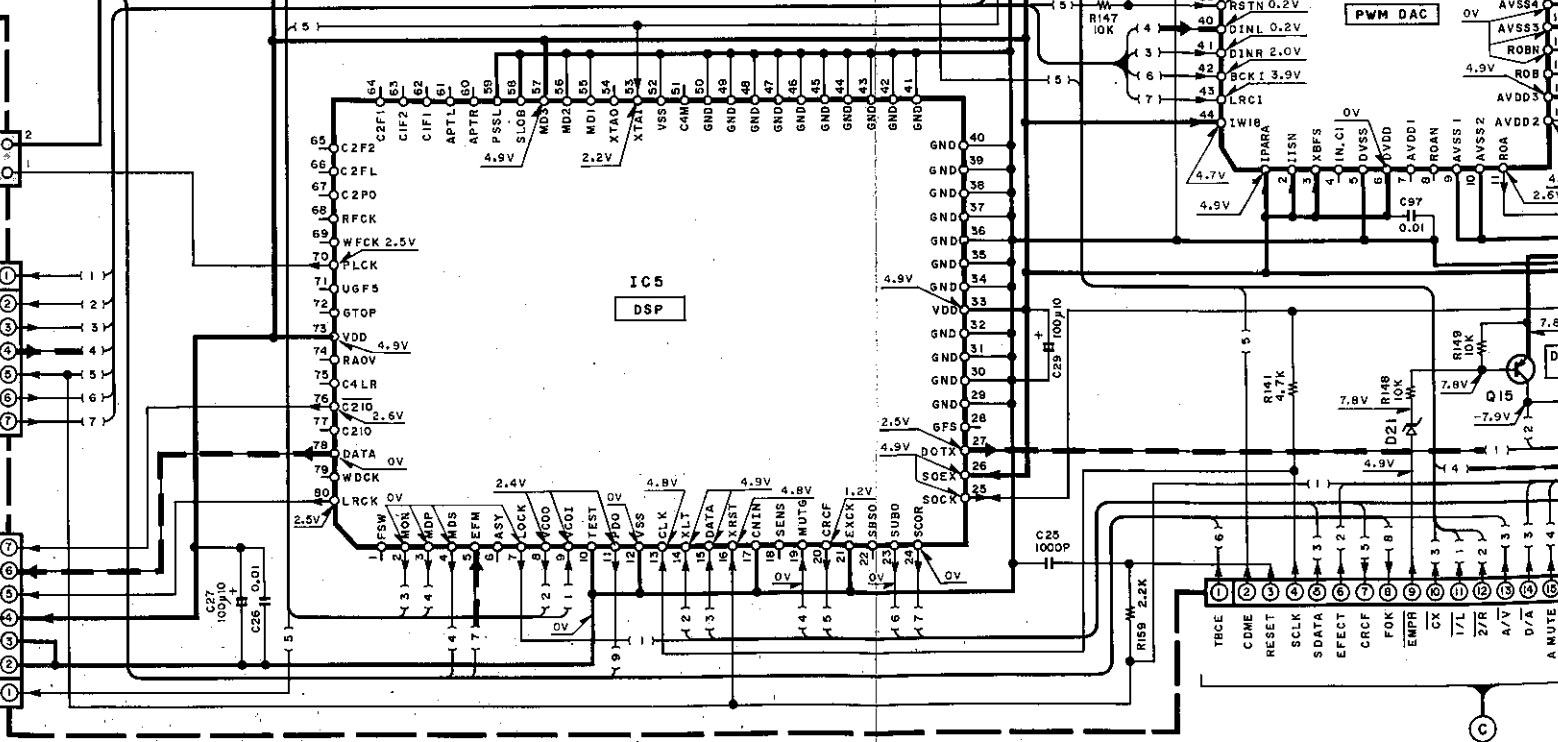
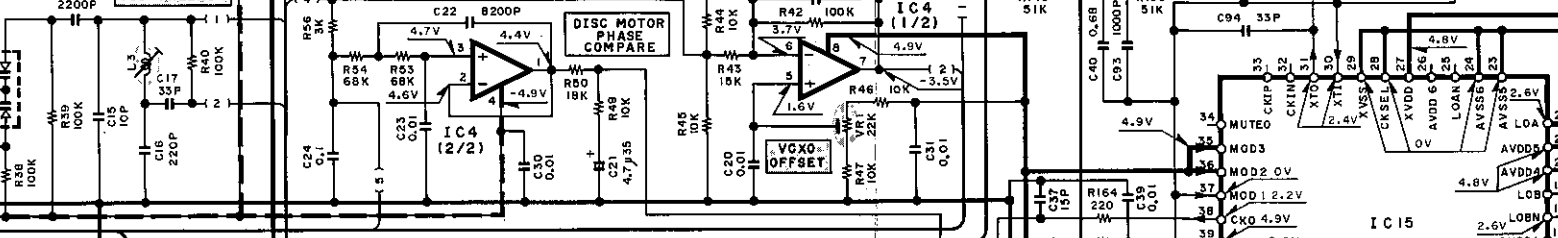
(X29) W1
1/5
B

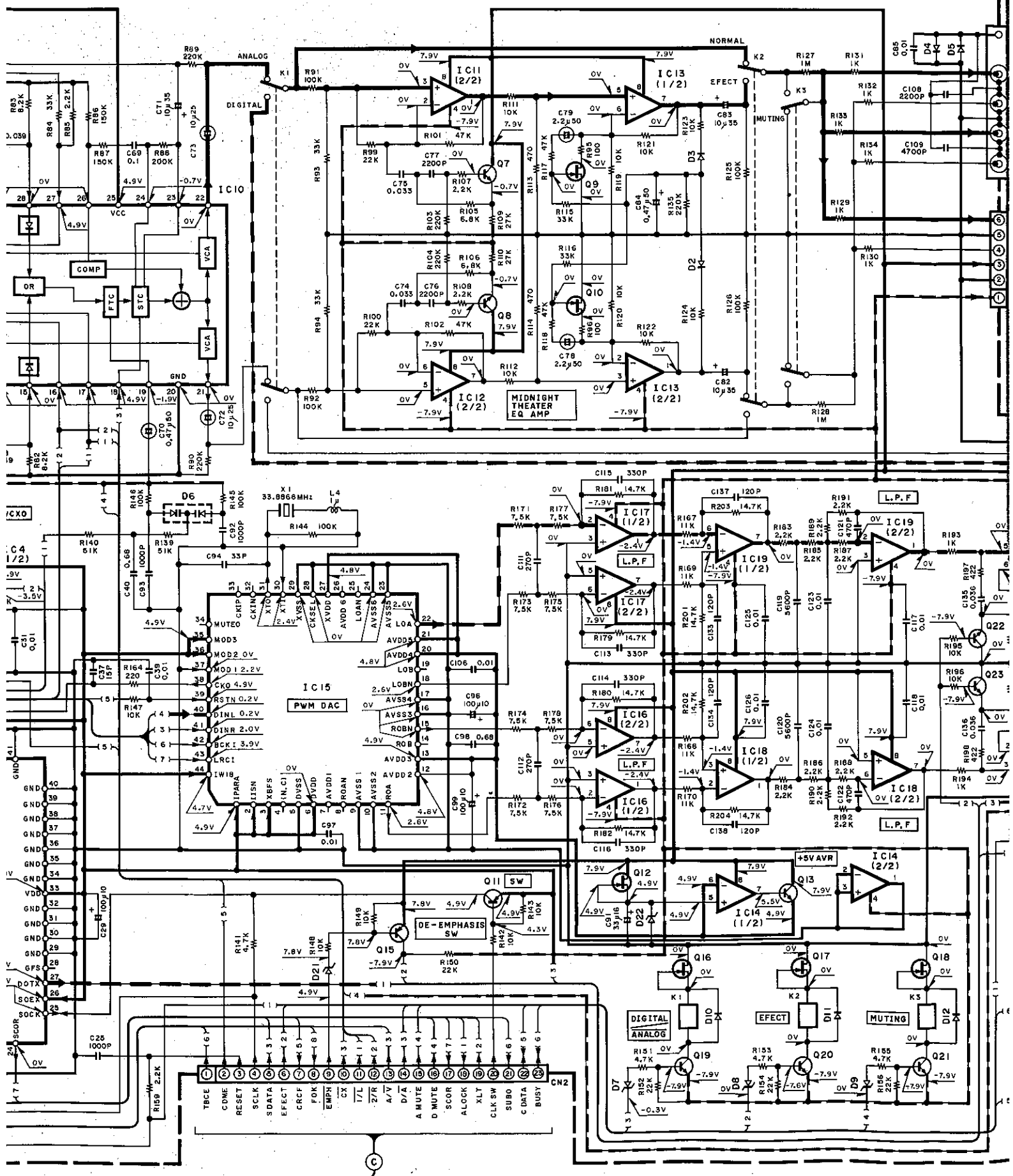
(X29) CN8
1/5
C

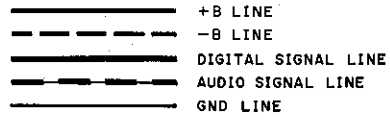
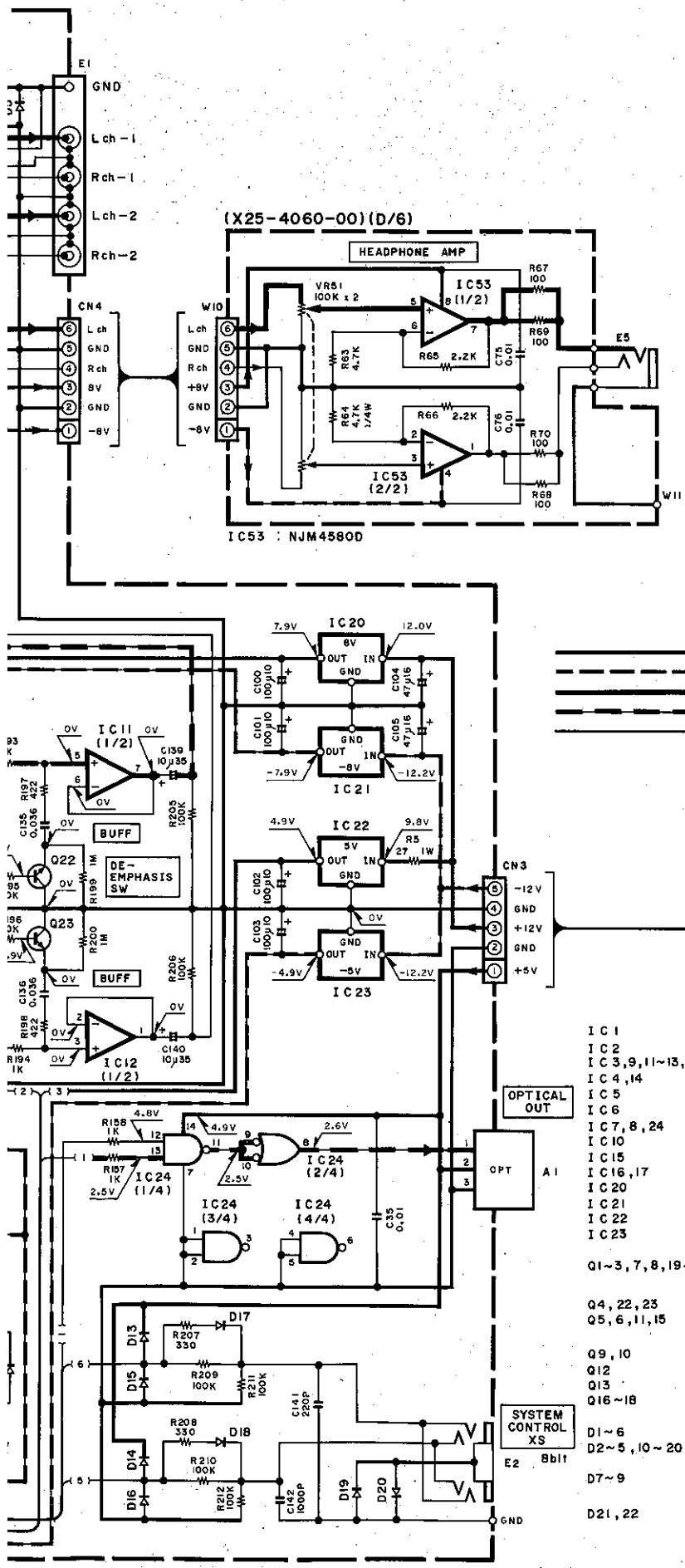
TBC ERROR L.P.F



VCO FREERUN







- | | |
|--------------------|--------------|
| IC 1 | : TC4053BP |
| IC 2 | : TC74HC04AP |
| IC 3,9,11~13,18,19 | : NJM4565D |
| IC 4,14 | : NJM4565L |
| IC 5 | : CXD1167Q |
| IC 6 | : SM5813AP |
| IC 7,8,24 | : TC74HC00AP |
| IC 10 | : PA0034A |
| IC 15 | : SM5860BF |
| IC 16,17 | : M5238L |
| IC 20 | : μPC7808HF |
| IC 21 | : μPC7908HF |
| IC 22 | : μPC7805HF |
| IC 23 | : μPC7905HF |
-
- | | |
|----------------|------------------|
| Q1~3,7,8,19~21 | : 2SC945(A)(Q,P) |
| | or 2SC1740S(O,R) |
| Q4,22,23 | : 2SC2878(B) |
| Q5,6,11,15 | : 2SA733(A)(Q,P) |
| | or 2SA933S(O,R) |
| Q9,10 | : 2SK105(H) |
| Q12 | : 2SK246(Y,GR) |
| Q13 | : 2SC3940A |
| Q16~18 | : 2SK163(N) |
-
- | | |
|------------|----------------|
| D1~6 | : 1SVI47 |
| D2~5,10~20 | : 1SS133 |
| | or HSS104 |
| D7~9 | : RD8.2ES(B2) |
| | or HZ98.2N(B2) |
| D21,22 | : RD5.1ES(B2) |
| | or HZ55.1N(B2) |

- 2SA733(A)
- 2SC1923
- 2SC2878
- 2SC3244
- 2SC3246
- 2SC3940A
- 2SC945(A)

- DTA124ES
- 2SA933S
- 2SC1740S

- TC74HC04AP
- TC74HC00AP
- TC74HC74AP

PD0011A

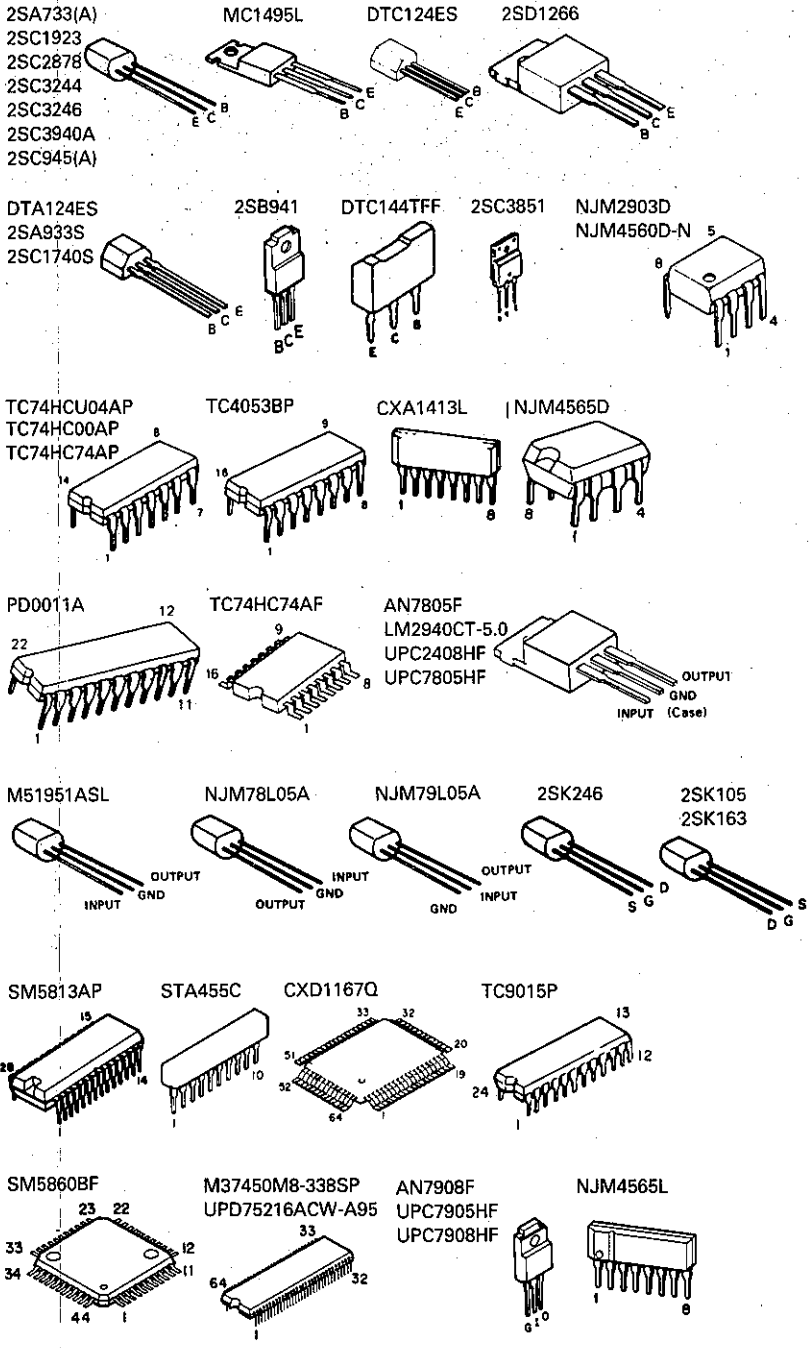
M51951ASL

SM5813AP

SM5860BF

CAUTION: For continued safety, replacements only with manufacturer's record parts list. ⚠ Indicates safety critical components. Risk of electric shock, leakage-current or fire shall be carried out (exposed parts are a part of the supply circuit) before the appliance is repaired.

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

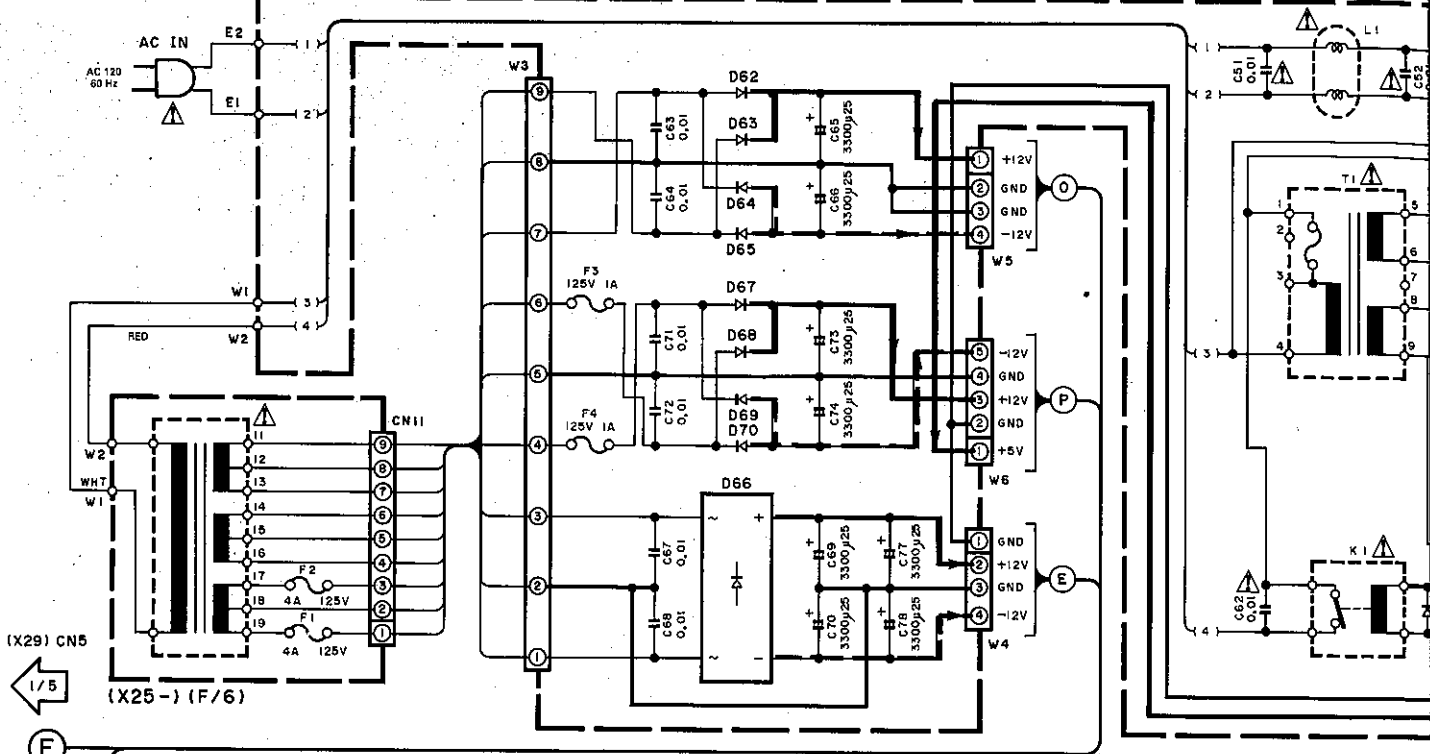


continued safety, replace safety critical components with manufacturer's recommended parts (refer to manufacturer's safety critical components. To reduce the risk, leakage-current or resistance measurements at (exposed parts are acceptably insulated from before the appliance is returned to the customer.

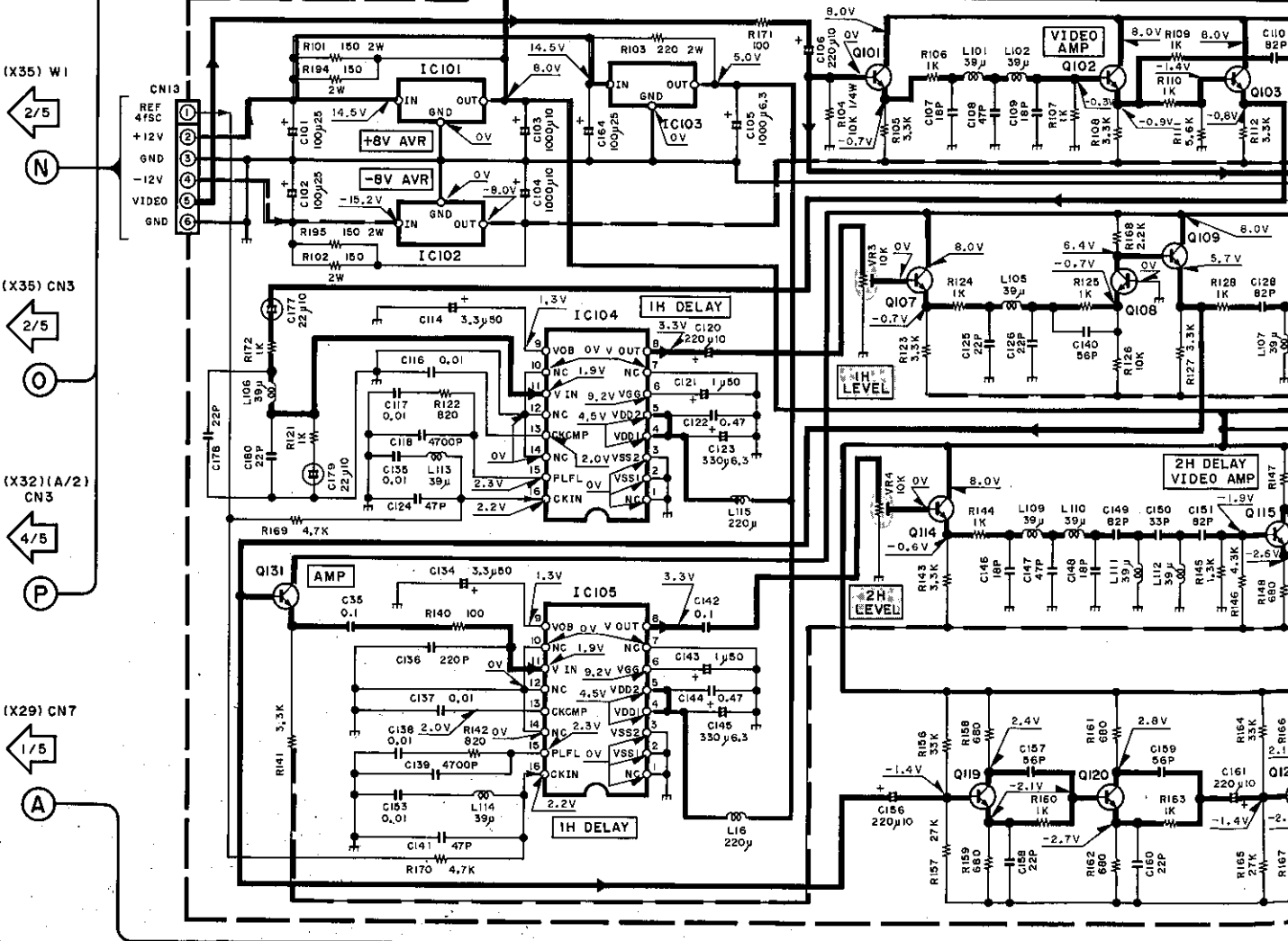
is measured with a high impedance voltmeter may slightly due to variations between individual units or/and units.



DISPLAY UNIT (POWER SUPPLY)
(X25-4060-11) (A/6)



DISPLAY UNIT (Y/C SEP)
(X25-) (B/6)



2

3

4

5

6

7

(X29) CN5

(X25-) (F/6)

(X35) W1

(X35) CN3

(X32) (A/2) CN3

(X29) CN7

(X25-) (B/6)

(X35) W1

(X35) CN3

(X32) (A/2) CN3

(X29) CN7

(X25-) (B/6)

(X35) W1

(X35) CN3

(X29) CN7

(X25-) (F/6)

(X35) W1

(X35) CN3

(X32) (A/2) CN3

(X29) CN7

(X25-) (B/6)

(X35) W1

(X35) CN3

(X32) (A/2) CN3

(X29) CN7

(X25-) (F/6)

(X35) W1

(X35) CN3

(X32) (A/2) CN3

(X29) CN7

(X25-) (B/6)

(X35) W1

(X35) CN3

(X32) (A/2) CN3

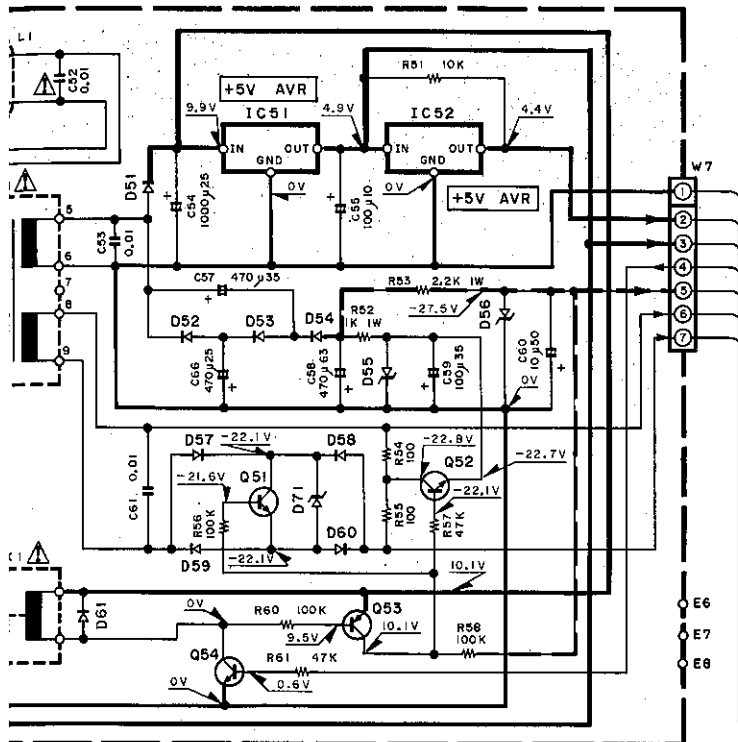
(X29) CN7

(X25-) (F/6)

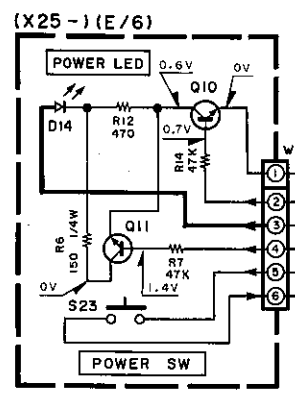
(X35) W1

(X35) CN3

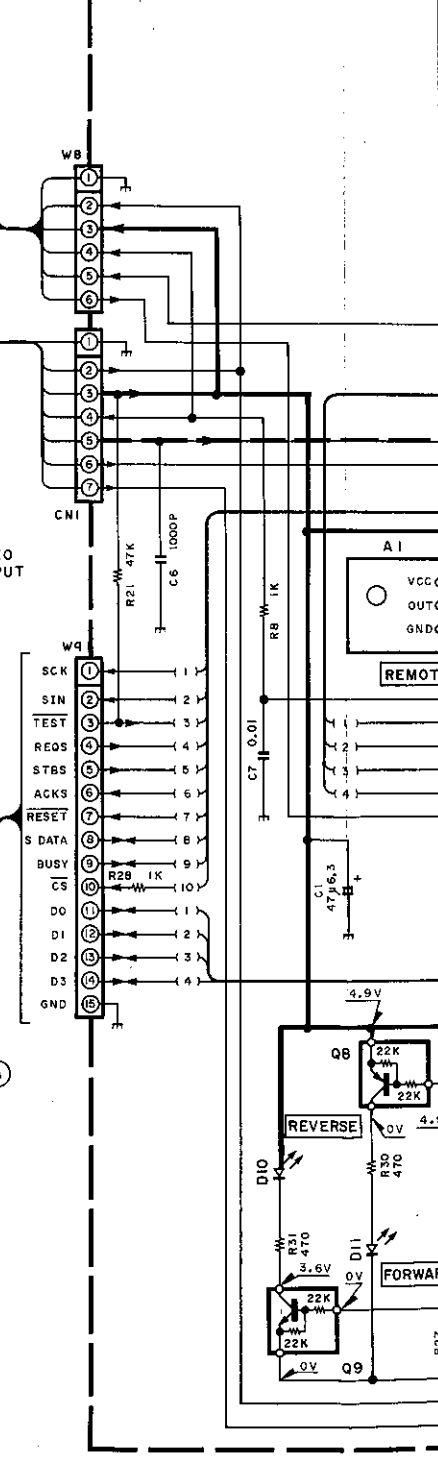
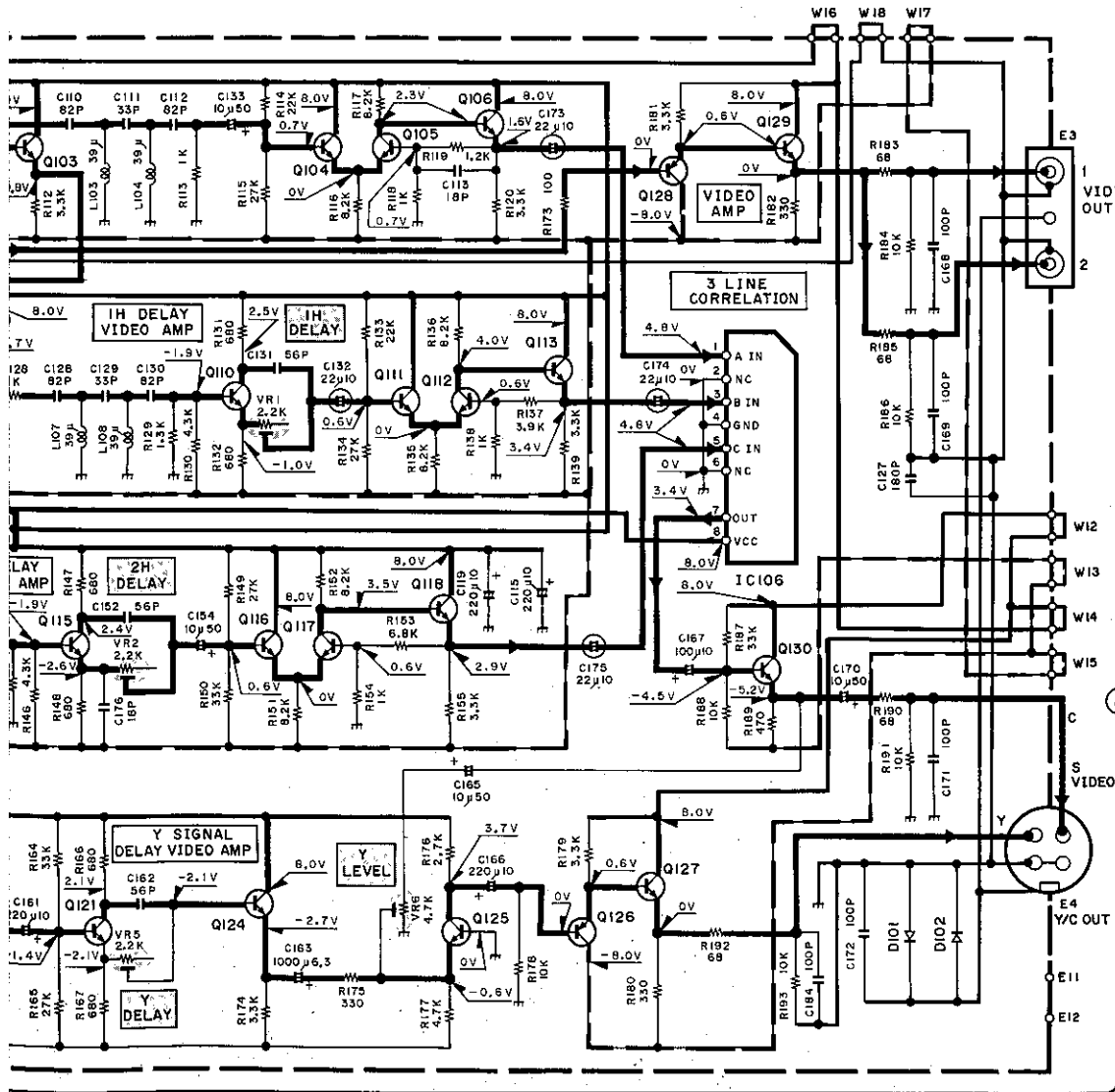
(X29) CN7



- | | | | |
|------------|----------------|--|--------------------------------------|
| IC 1 | : μPD75216ACW | Q1~3 | : DTC144TFF |
| IC51 | : LM2940CT-5.0 | Q4~6, 9 | : DTC124ES |
| IC52 | : M5195IASL | Q7, 8 | : DTA124ES |
| IC101 | : LM2940T-8.0 | Q10, 11, 101~103, 106, 107, 109, 110, 113~115, 118, 124, 125, 127, 129~131 | : 2SC945(A)(Q,P)
or 2SC1740S(Q,P) |
| IC102 | : AN7908F | Q51, 54 | : 2SC3246 |
| IC103 | : AN7805F | Q52 | : 2SC3244 |
| IC104, 105 | : TL8803P | Q53, 126, 128 | : 2SA733(A)(Q,P)
or 2SA933(Q,R) |
| IC106 | : CXA1413L | Q104, 105, 108, 111, 112, 116, 117 | : 2SC1923(R,O) |

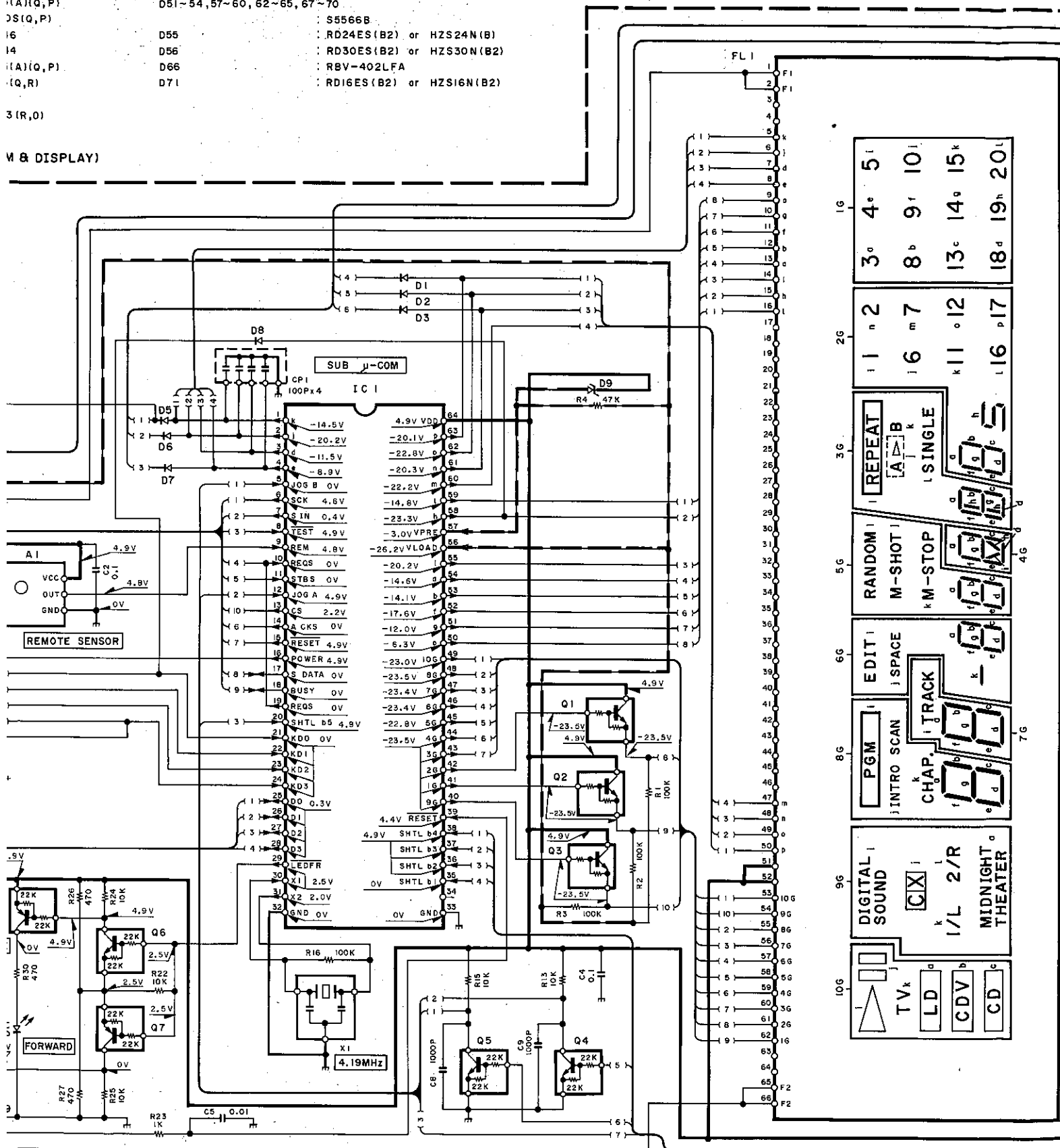






DISPLAY UNIT (SUB μ-COM & DISP)
(X25-) (C/6)

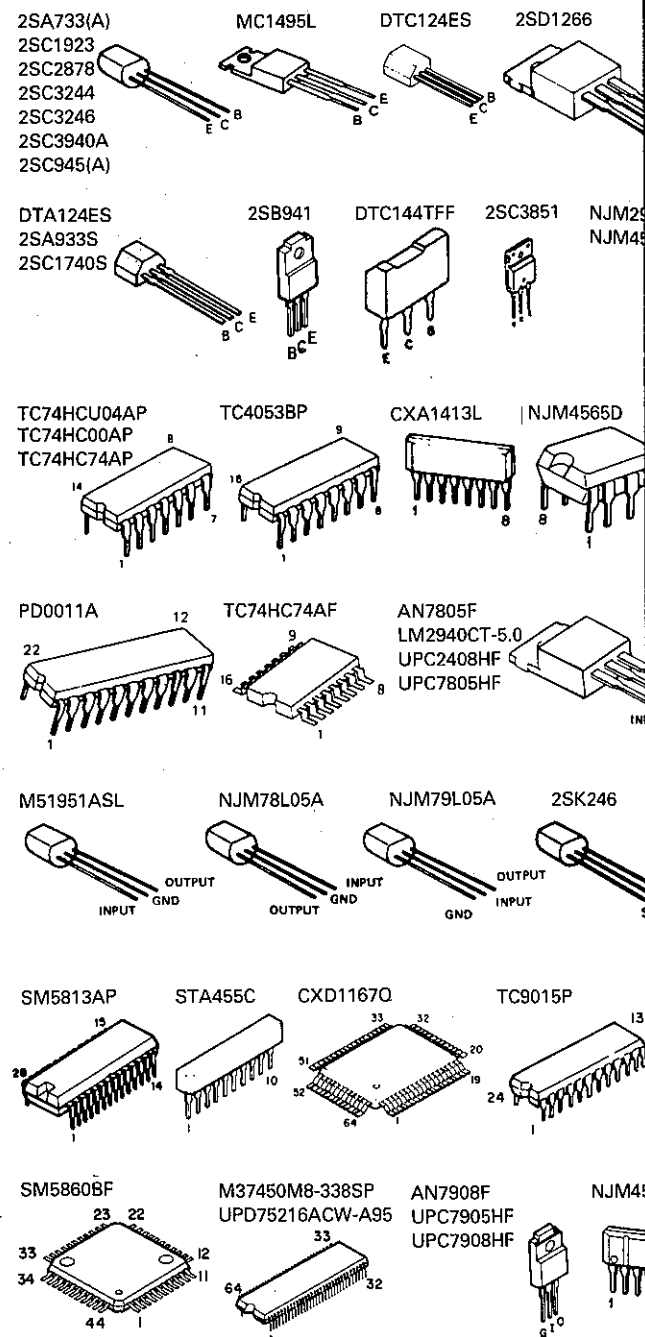
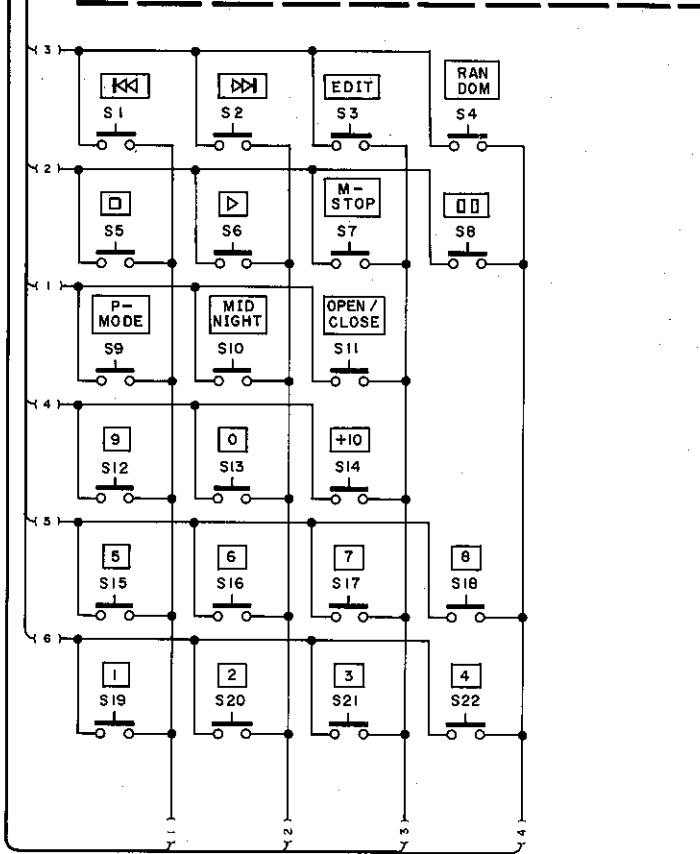


- TFF D1~3, 5~8, 61, 101, 102 : ISS133 or HSS104
- ES D9 : RD8.2ES (B2) or HZS8.2N (B2)
- ES D10, 11 : B30-0432-05
- 3~115, 118~121, D14 : 830-1288-05
- (A)(Q,P) D51~54, 57~60, 62~65, 67~70
- DS(Q,P) : S5566B
- 16 D55 : RD24ES (B2) or HZS24N (B)
- 14 D56 : RD30ES (B2) or HZS30N (B2)
- (A)(Q,P) D66 : RBV-402LFA
- (Q,R) D71 : RDI6ES (B2) or HZS16N (B2)
- 3 (R,O)

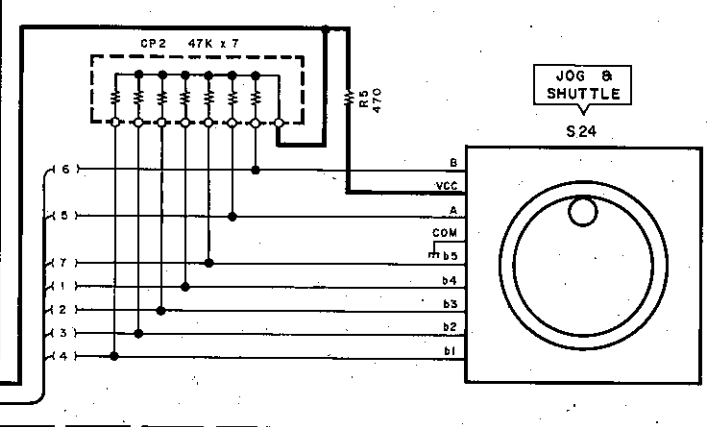
V M & DISPLAY




 VIDEO SIGNAL LINE
 GND LINE
 +B LINE
 -B LINE



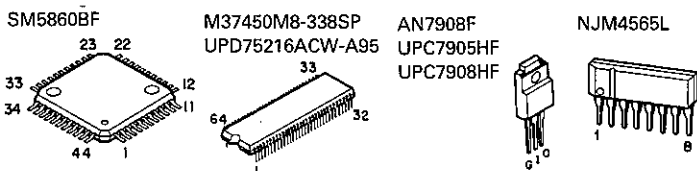
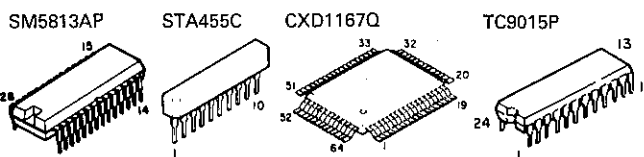
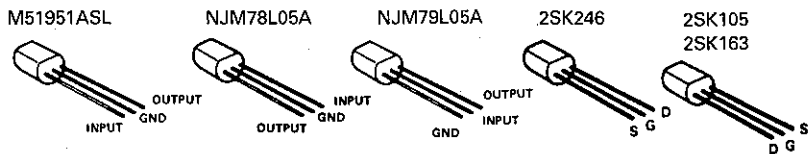
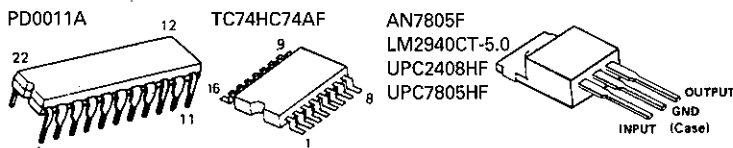
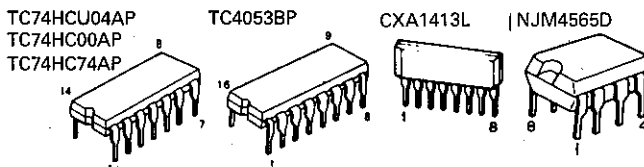
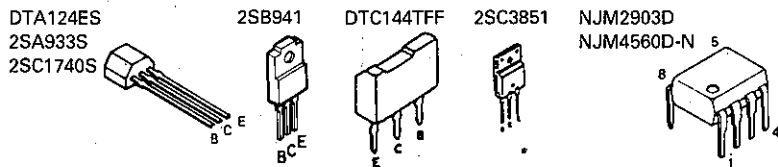
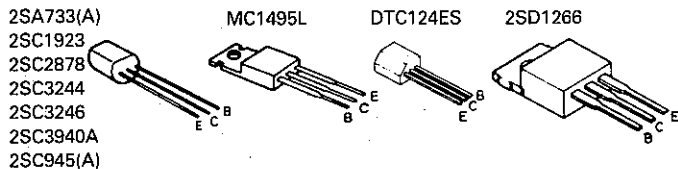
76
46
V



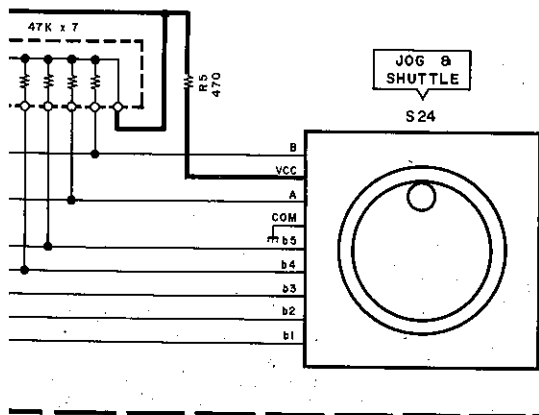
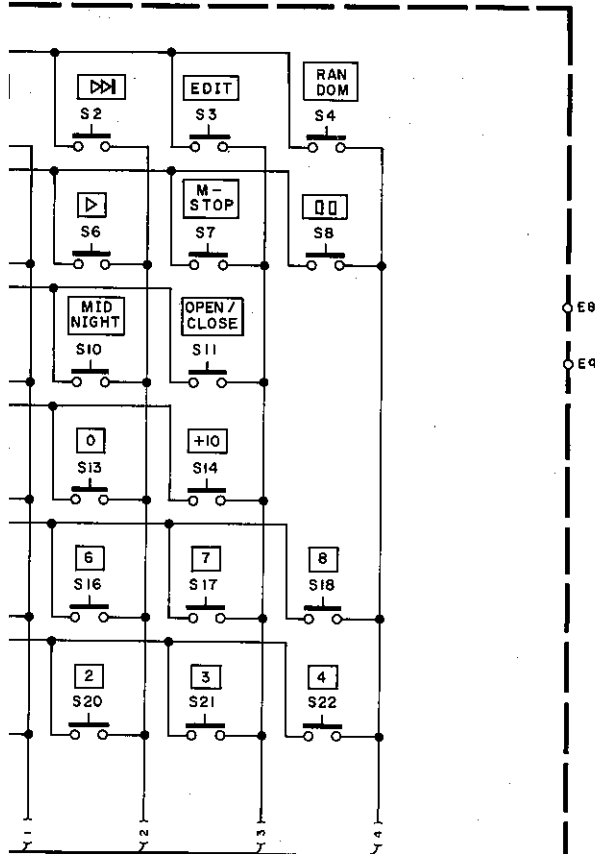
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

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





VIDEO SIGNAL LINE
GND LINE
+B LINE
-B LINE

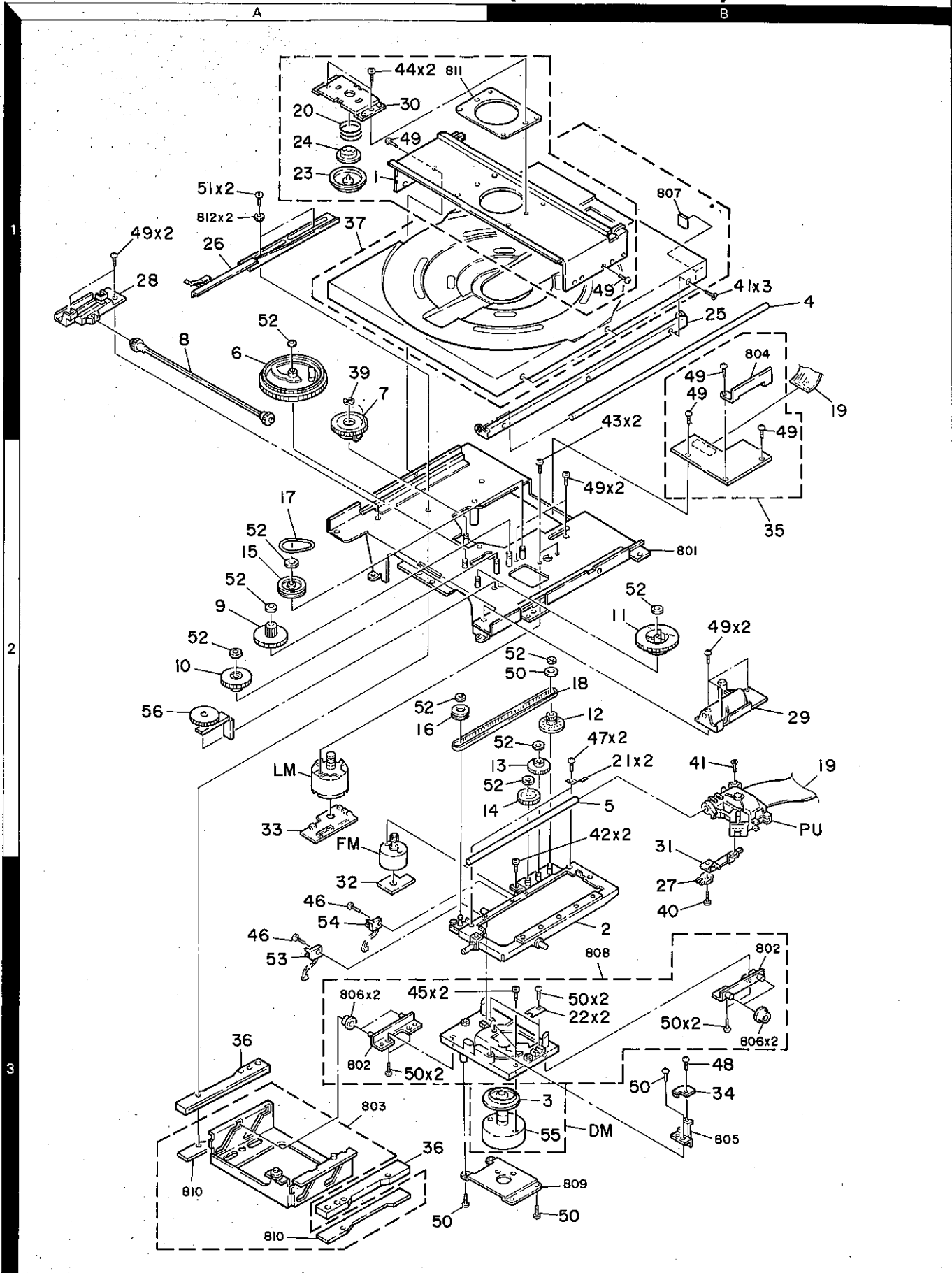


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

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

LVD-700
KENWOOD

EXPLODED VIEW (MECHANISM)



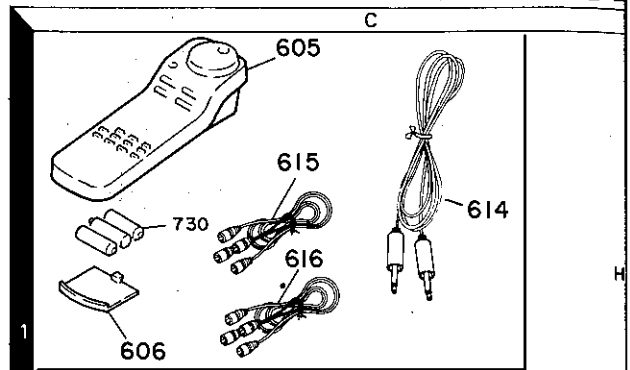
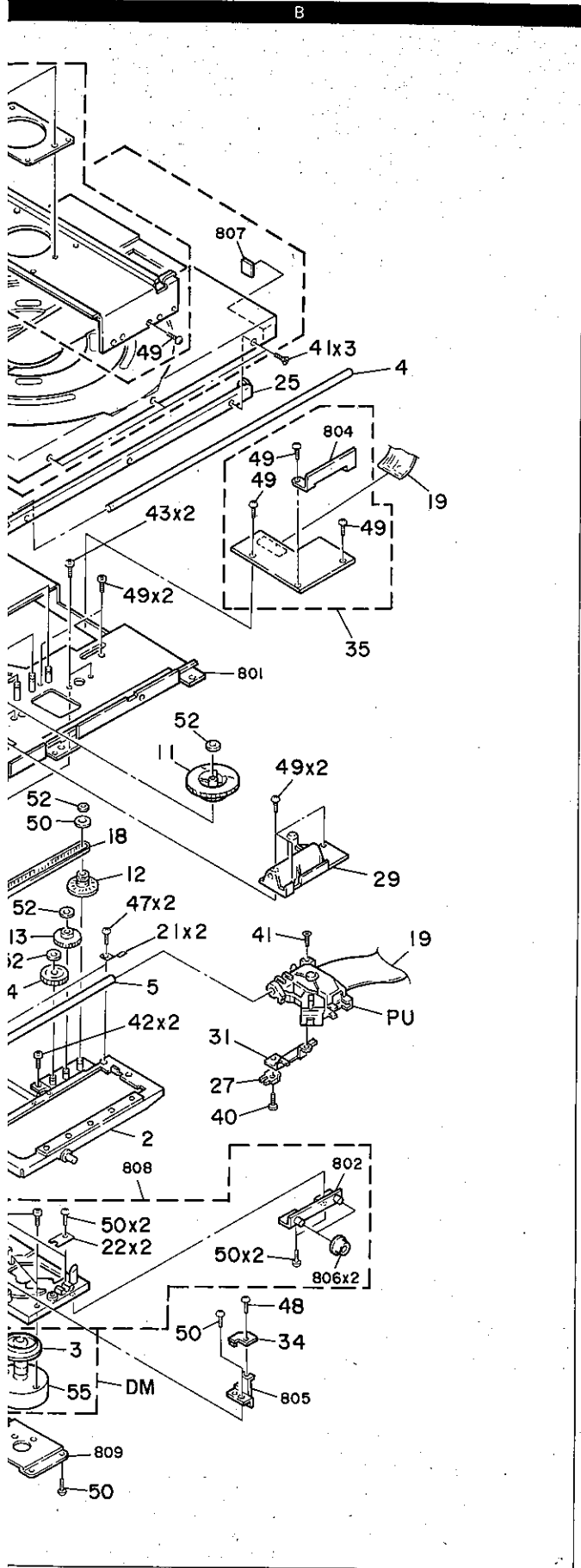
Parts with the exploded numbers larger than 700 are not supplied.

LVD-700

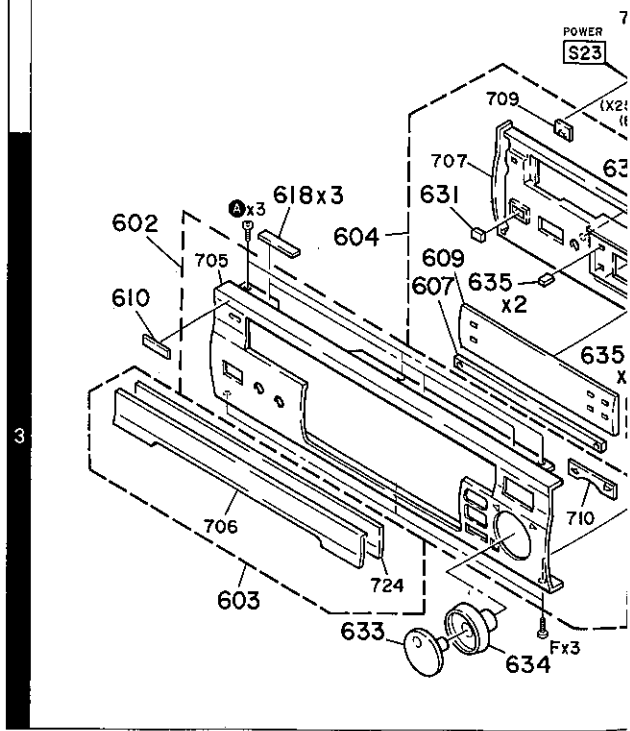
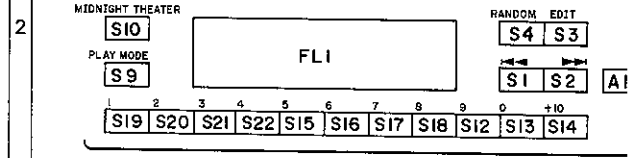
LVD-700

(MECHANISM)

EXPLODED



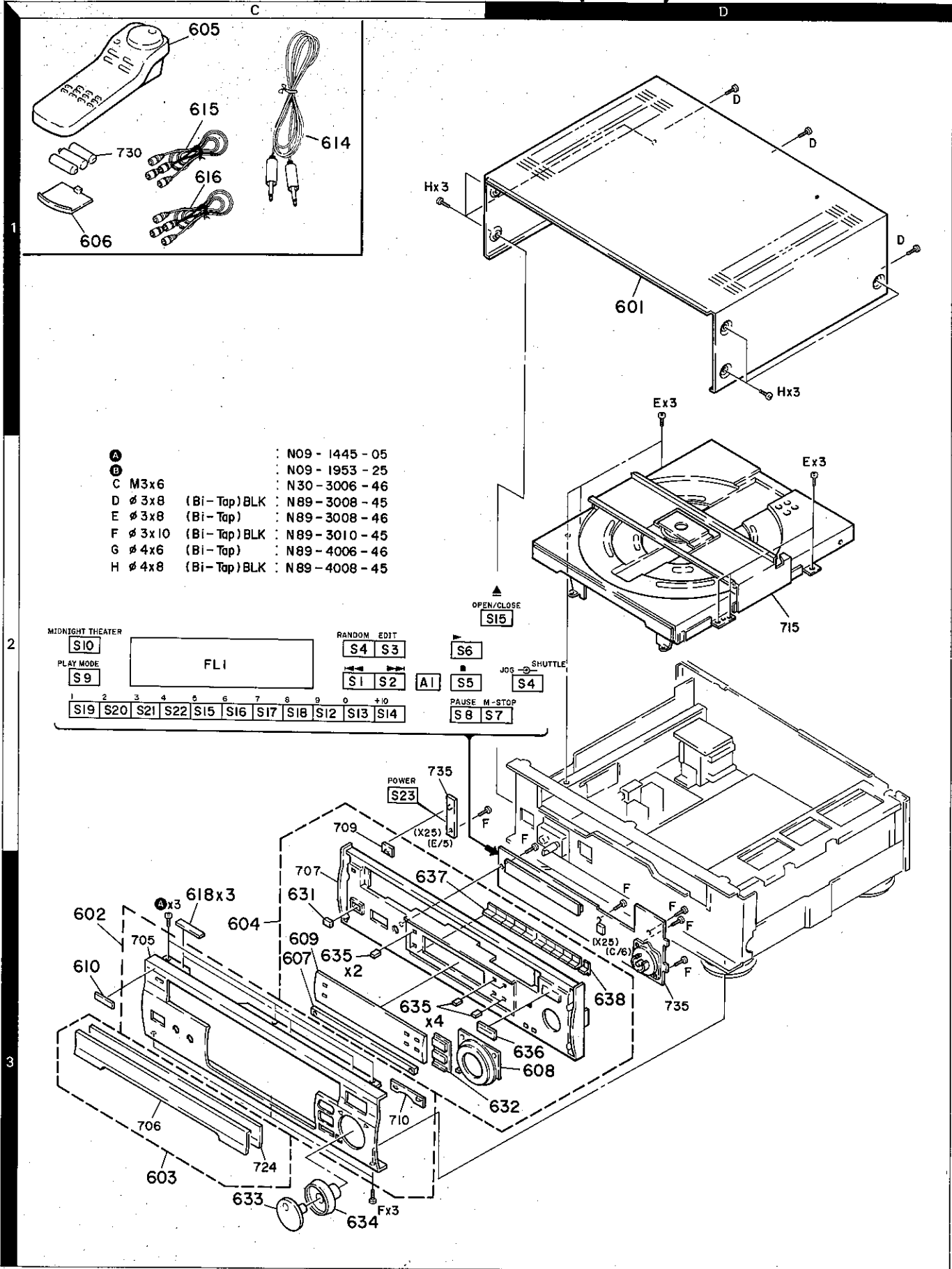
A		N09 - 1445 - 05
B		N09 - 1953 - 25
C	M3x6	N30 - 3006 - 46
D	∅ 3x8 (Bi-Tap) BLK	N89 - 3008 - 45
E	∅ 3x8 (Bi-Tap)	N89 - 3008 - 46
F	∅ 3x10 (Bi-Tap) BLK	N89 - 3010 - 45
G	∅ 4x6 (Bi-Tap)	N89 - 4006 - 46
H	∅ 4x8 (Bi-Tap) BLK	N89 - 4008 - 45



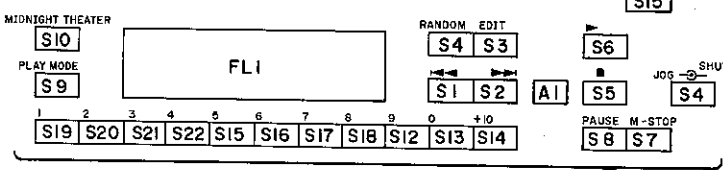
h the exploded numbers larger than 700 are not supplied.

LVD-700

EXPLODED VIEW (UNIT)

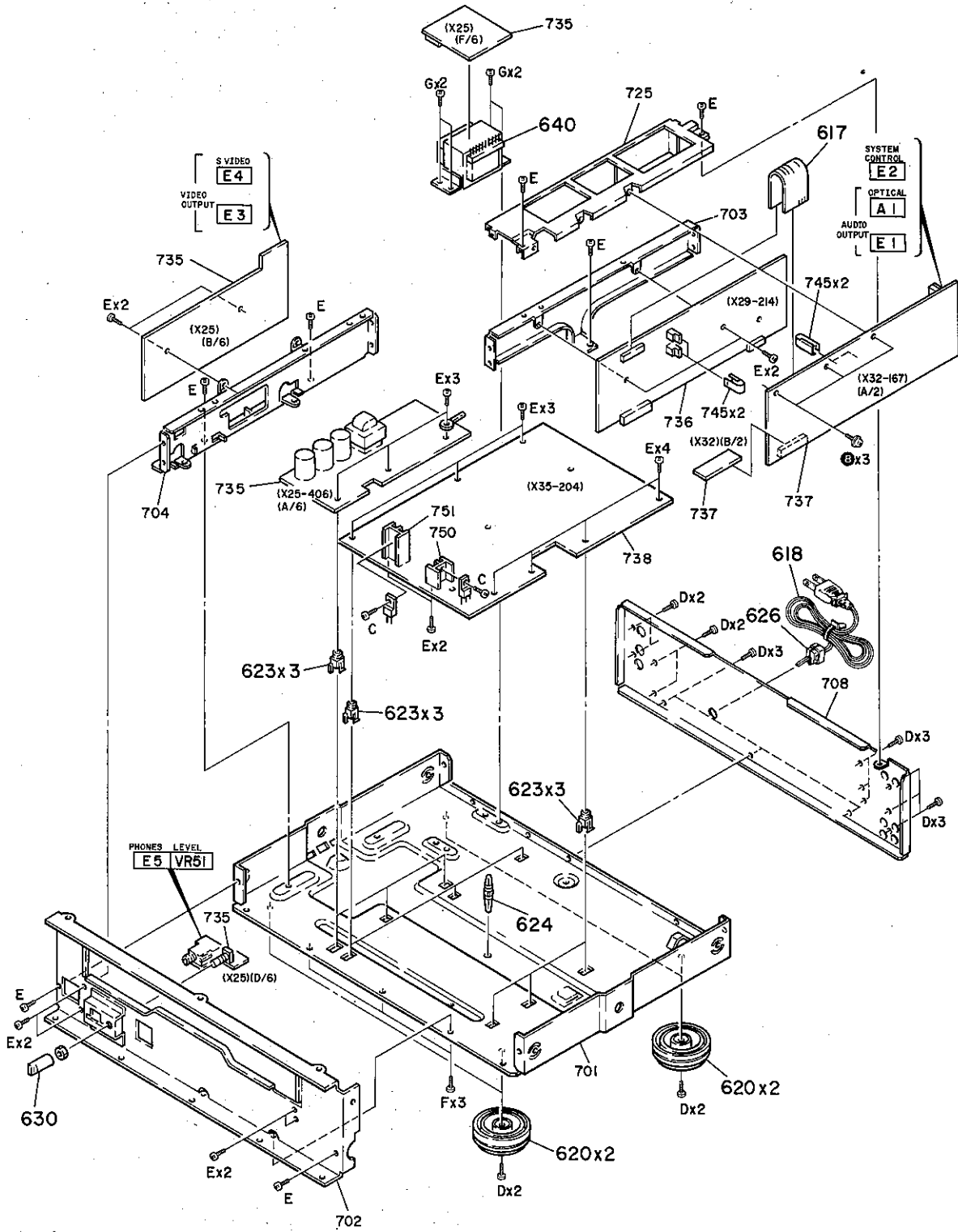


A	:	N09 - 1445 - 05
B	:	N09 - 1953 - 25
C	:	M3x6
D	:	∅ 3x8 (Bi-Tap) BLK : N89-3008-45
E	:	∅ 3x8 (Bi-Tap) : N89-3008-46
F	:	∅ 3x10 (Bi-Tap) BLK : N89-3010-45
G	:	∅ 4x6 (Bi-Tap) : N89-4006-46
H	:	∅ 4x8 (Bi-Tap) BLK : N89-4008-45



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

EXPLODED VIEW (UNIT)



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. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
C1			CE04JH0J1470M	ELECTR0 47UF 6.3KV	
C2			CF92FV1H104J	MF 0.10UF J	
C4			CF92FV1H104J	MF 0.10UF J	
C5			C91-0769-05	CERAMIC 0.01UF K	
C6			C91-0757-05	CERAMIC 1000PF K	
C7			C91-0769-05	CERAMIC 0.01UF K	
C8			C91-0757-05	CERAMIC 1000PF K	
C9			CF92FV1H104J	MF 0.10UF J	
C35			C91-0647-05	CERAMIC 0.01UF P	
C51			CK45FF1H103Z	CERAMIC 0.010UF Z	
C53					
C54			CE04KH1E102M	ELECTR0 1000UF 25WV	
C55			CE04KH1A101M	ELECTR0 100UF 10WV	
C56			CE04KH1E471M	ELECTR0 470UF 25WV	
C57			CE04KH1V471M	ELECTR0 470UF 35WV	
C58			CE04KH1J471M	ELECTR0 470UF 63WV	
C59			CE04KH1V101M	ELECTR0 100UF 35WV	
C60			CE04KH1H100M	ELECTR0 10UF 50WV	
C61			CK45FF1H103Z	CERAMIC 0.010UF Z	
C62			C91-0647-05	CERAMIC 0.01UF P	
C63			CK45FF1H103Z	CERAMIC 0.010UF Z	
C65			CE04KH1E332M	ELECTR0 3300UF 25WV	
C67			CK45FF1H103Z	CERAMIC 0.010UF Z	
C69			CE04KH1E332M	ELECTR0 3300UF 25WV	
C71			CK45FF1H103Z	CERAMIC 0.010UF Z	
C73			CE04KH1E332M	ELECTR0 3300UF 25WV	
C75			CF92FV1H103J	MF 0.010UF J	
C77			CE04KH1E332M	ELECTR0 3300UF 25WV	
C101			CE04KH1E101M	ELECTR0 100UF 25KV	
C103			CE04KH1A102M	ELECTR0 1000UF 10WV	
C104			CE04KH1E102M	ELECTR0 1000UF 6.3KV	
C105			CE04KH1J102M	ELECTR0 1000UF 6.3KV	
C106			CE04KH1A221M	ELECTR0 220UF 10WV	
C107			CC45FSL1H180J	CERAMIC 18PF J	
C108			CC45FSL1H470J	CERAMIC 47PF J	
C109			CC45FSL1H180J	CERAMIC 18PF J	
C110			CC45FSL1H820J	CERAMIC 82PF J	
C111			CC45FSL1H330J	CERAMIC 33PF J	
C112			CC45FSL1H820J	CERAMIC 82PF J	
C113			CC45FSL1H180J	CERAMIC 18PF J	
C114			CE04KH1H333M	ELECTR0 3.3UF 50WV	
C115			CE04KH1A221M	ELECTR0 220UF 10WV	
C116			CF92FV1H103J	MF 0.010UF J	
C118			CF92FV1H472J	MF 4700PF J	
C119			CE04KH1A221M	ELECTR0 220UF 10WV	
C121			CE04KH1H101M	ELECTR0 1.0UF 50WV	
C122			CF92FV1H474J	MF 0.47UF J	
C123			CE04KH0J331M	ELECTR0 330UF 6.3KV	
C124			CC45FSL1H470J	CERAMIC 47PF J	
C125			CC45FSL1H220J	CERAMIC 22PF J	
C127			CF92FV1H181K	MF 180PF K	
C128			CC45FSL1H820J	CERAMIC 82PF J	
C129			CC45FSL1H330J	CERAMIC 33PF J	
C130			CC45FSL1H820J	CERAMIC 82PF J	
C131			CC45FSL1H560J	CERAMIC 56PF J	
C132			C90-1333-05	NP-ELEC 22UF 10WV	
C133			CE04KH1H100M	ELECTR0 10UF 50WV	

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C134			CE04KH1H333M	ELECTR0 3.3UF 50WV	
C135			CF92FV1H103J	MF 0.010UF J	
C136			CC45FSL1H221J	CERAMIC 220PF J	
C137			CF92FV1H103J	MF 0.010UF J	
C139			CF92FV1H472J	MF 4700PF J	
C140			CC45FSL1H560J	CERAMIC 56PF J	
C141			CC45FSL1H470J	CERAMIC 47PF J	
C142			CF92FV1H104J	MF 0.10UF J	
C143			CE04KH1H10M	ELECTR0 1.0UF 50WV	
C144			CF92FV1H474J	MF 0.47UF J	
C145			CE04KH0J331M	ELECTR0 330UF 6.3KV	
C146			CC45FSL1H180J	CERAMIC 18PF J	
C147			CC45FSL1H470J	CERAMIC 47PF J	
C148			CC45FSL1H180J	CERAMIC 18PF J	
C149			CC45FSL1H820J	CERAMIC 82PF J	
C150			CC45FSL1H330J	CERAMIC 33PF J	
C151			CC45FSL1H820J	CERAMIC 82PF J	
C152			CC45FSL1H560J	CERAMIC 56PF J	
C153			CF92FV1H103J	MF 0.010UF J	
C154			CE04KH1H100M	ELECTR0 10UF 50WV	
C156			CE04KH1A221M	ELECTR0 220UF 10WV	
C157			CC45FSL1H560J	CERAMIC 56PF J	
C158			CC45FSL1H220J	CERAMIC 22PF J	
C159			CC45FSL1H560J	CERAMIC 56PF J	
C160			CC45FSL1H220J	CERAMIC 22PF J	
C161			CE04KH1A221M	ELECTR0 220UF 10WV	
C162			CC45FSL1H560J	CERAMIC 56PF J	
C163			CE04KH0J102M	ELECTR0 1000UF 6.3KV	
C164			CE04KH1E101M	ELECTR0 100UF 25WV	
C165			CE04KH1H100M	ELECTR0 10UF 50WV	
C166			CE04KH1A221M	ELECTR0 220UF 10WV	
C167			CE04KH1A101M	ELECTR0 1000UF 10WV	
C168			CC45FSL1H101J	CERAMIC 100PF J	
C170			CE04KH1H100M	ELECTR0 10UF 50WV	
C171			CC45FSL1H101J	CERAMIC 100PF J	
C172			CF92FV1H101K	MF 100PF K	
C173			C90-1333-05	NP-ELEC 22UF 10WV	
C176			CC45FSL1H180J	CERAMIC 18PF J	
C177			C90-1333-05	NP-ELEC 22UF 10WV	
C178			CC45FSL1H220J	CERAMIC 22PF J	
C179			C90-1333-05	NP-ELEC 22UF 10WV	
C180			CC45FSL1H220J	CERAMIC 22PF J	
C181			CF92FV1H104J	MF 0.10UF J	
C184			CC45FSL1H101J	CERAMIC 100PF J	
E3		*	E13-2204-05	PHONO JACK VIDEO/COMPOSITE OUT	
E4			E06-0821-05	CYLINDRICAL RECEPTACLE S VIDEO	
E5			E01-0180-05	PHONES JACK	
W9		*	E35-0028-05	WIRING HARNESS	
F1		*	F53-0010-05	FUSE	
F3		*	F53-0006-05	FUSE	
-			J11-0098-05	WIRE CLAMPER	
L1			L79-0733-05	LINE FILTER	
L101-114			L40-3901-17	SMALL FIXED INDUCTOR(39UH,K)	

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L115, 116		*	L40-2211-17	SMALL FIXED INDUCTOR(220UH,K)		
II			L07-0190-05	POWER TRANSFORMER		
XI			L78-0267-05	RESONATOR 4.19 MHz		
CP2		*	R90-0816-05	MULTIPLE RESISTOR		
CP3			R90-0868-05	FL-PROOF RS 1.0K	J 1/4W	
R52			RS14DB3A102J	FL-PROOF RS 2.2K	J 1W	
R53			RS14DB3A222J	FL-PROOF RS 150	J 2W	
R101, 102			RS14DB30151J	FL-PROOF RS 220	J 2W	
R103			RS14DB30151J	FL-PROOF RS 150	J 2W	
R194, 195			R12-1085-05	TRIM POT. 10K		
VR1, 2			R12-3126-05	TRIM POT. 10K		
VR3, 4			R12-1085-05	TRIM POT. 2.2K		
VR5			R12-1089-05	TRIM POT. 4.7K		
VR6			R10-4019-05	POTENTIOMETER50K PHONES LEVEL		
VR51			S51-1052-05	MAGNETIC RELAY		
X1			S40-1064-05	PUSH SWITCH		
X1 -23		*	T99-0505-05	ROTARY ENCODER		
S24			HSS104	DIODE		
D1 -3			HSS133	DIODE		
D1 -3			HSS104	DIODE		
D5 -8			HSS133	DIODE		
D5 -8			HSS104	DIODE		
D9			R08-2ES(B2)	ZENER DIODE		
D9			S5566B	ZENER DIODE		
D51 -54			S5566B	ZENER DIODE		
D55		*	R024ES(B2)	ZENER DIODE		
D55		*	HZ530N(B2)	ZENER DIODE		
D56		*	R030ES(B2)	ZENER DIODE		
D57 -60			S5566B	ZENER DIODE		
D61			HSS104	DIODE		
D61			HSS133	DIODE		
D62 -65			S5566B	DIODE		
D66			RBV-4021FA	DIODE		
D67 -70			S5566B	DIODE		
D71			HZS16N(B2)	ZENER DIODE		
D71			RD16ES(B2)	ZENER DIODE		
D101, 102			HSS104	DIODE		
D101, 102		*	1SS133	DIODE		
FL1		*	10-NT-34GK	FLUORESCENT INDICATOR TUBE		
IC1		*	UPD75216ACW-A95	IC(MICROPROCESSOR)		
IC51			LM2940CT-5.0	IC(LOW VOLTAGE REGULATOR)		
IC52			M51951ASL	IC(SYSTEM RESET)		
IC53		*	NJM4580D	IC		
IC101		*	LM2940T-8.0	IC(VOLTAGE REGULATOR)		
IC101		*	UPC248SHF	IC(AMP)		
IC102		*	AN7808F	IC(VOLTAGE REGULATOR -8V/1A)		
IC103		*	AN7808F	IC(VOLTAGE REGULATOR/ +5V)		
IC104, 105		*	TL8803P	IC		
IC106		*	CXA1413L	IC(FILTER)		
Q1 -3			DTC144TFF	DIGITAL TRANSISTOR		
Q4 -6			DTC124ES	DIGITAL TRANSISTOR		
Q7, 8			DTA124ES	DIGITAL TRANSISTOR		

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Q9			DTC124ES	DIGITAL TRANSISTOR		
Q10, 11			2SC1740S(Q,R)	TRANSISTOR		
Q10, 11			2SC945(A)(Q,P)	TRANSISTOR		
Q31			2SC3246	TRANSISTOR		
Q52			2SC3244	TRANSISTOR		
Q53			2SA733(A)(Q,P)	TRANSISTOR		
Q53			2SA933S(Q,R)	TRANSISTOR		
Q54			2SC3246	TRANSISTOR		
Q101-103			2SC1740S(Q,R)	TRANSISTOR		
Q101-103			2SC945(A)(Q,P)	TRANSISTOR		
Q104, 105			2SC1923(R,Ø)	TRANSISTOR		
Q106, 107			2SC1740S(Q,R)	TRANSISTOR		
Q106, 107			2SC945(A)(Q,P)	TRANSISTOR		
Q108			2SC1923(R,Ø)	TRANSISTOR		
Q109, 110			2SC1740S(Q,R)	TRANSISTOR		
Q109, 110			2SC945(A)(Q,P)	TRANSISTOR		
Q111, 112			2SC1923(R,Ø)	TRANSISTOR		
Q113-115			2SC1740S(Q,R)	TRANSISTOR		
Q113-115			2SC945(A)(Q,P)	TRANSISTOR		
Q115-115			2SC1923(R,Ø)	TRANSISTOR		
Q116, 117			2SC1740S(Q,R)	TRANSISTOR		
Q118-121			2SC1740S(Q,R)	TRANSISTOR		
Q118-121			2SC945(A)(Q,P)	TRANSISTOR		
Q124, 125			2SC1740S(Q,R)	TRANSISTOR		
Q124, 125			2SC945(A)(Q,P)	TRANSISTOR		
Q126			2SA933S(Q,R)	TRANSISTOR		
Q127			2SC1740S(Q,R)	TRANSISTOR		
Q127			2SC945(A)(Q,P)	TRANSISTOR		
Q128			2SA733(A)(Q,P)	TRANSISTOR		
Q128			2SA933S(Q,R)	TRANSISTOR		
Q129-131			2SC1740S(Q,R)	TRANSISTOR		
Q129-131			2SC945(A)(Q,P)	TRANSISTOR		
AI			W02-1043-05	OPTIC RECEIVING MODULE		
CONTROL UNIT (X29-2140-00)						
C1			C045ESL1H220J	CERAMIC 22PF	J	
C2			C045ESL1H820J	CERAMIC 82PF	J	
C3			C045ESL1H220J	CERAMIC 22PF	J	
C4			CE04KW1H010M	ELECTRO 1.0UF	50WV	
C5			CE04KW1H3R3M	ELECTRO 3.3UF	50WV	
C6			C90-1350-05	NP-ELEC 2.2UF	50WV	
C7			CE04KW1H100M	ELECTRO 10UF	50WV	
C8			CF92EV1H121K	MF 120PF	J	
C9			CF92EV1H102J	MF 100PF	K	
C10			C90-1333-05	NP-ELEC 22UF	10WV	
C11			C90-1332-05	NP-ELEC 10UF	25WV	
C12			CF92EV1H103J	MF 0.10UF	J	
C13			CF92EV1H222J	MF 220PF	J	
C14			CF92EV1H21K	MF 220PF	K	
C15			CE04KW1H100M	ELECTRO 10UF	50WV	
C16			CF92EV1H472J	MF 470PF	J	
C17			CF92EV1H124J	MF 0.12UF	J	
C18, 19			CE04KW1A101M	ELECTRO 100UF	10WV	
C20			CF92EV1H184J	MF 0.18UF	J	
C21			CF92EV1H564J	MF 0.56UF	J	

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C22			CF92FV1H684J	MF	
C23			CF92FV1H473J	MF	J
C24			CF92FV1H104J	MF	J
C26			C90-1332-05	NP-ELEC	J
C27			CF92FV1H473J	MF	25WV
C28			C90-1351-05	NP-ELEC	J
C29			C90-1398-05	NP-ELEC	50WV
C30			CF92FV1H101K	MF	K
C31			CC45FSL1H101J	CERAMIC	J
C32			CF92FV1H222J	MF	J
C33					
C34			CF92FV1H124J	MF	J
C35			CF92FV1H683J	MF	J
C36			CF92FV1H333J	MF	J
C37			CF92FV1H473J	MF	J
C38			C90-1334-05	NP-ELEC	J
C39					10WV
C40			CC45FSL1H121J	CERAMIC	J
C41			CF92FV1H535J	MF	J
C42			CC45FSL1H101J	CERAMIC	J
C43			CE04KW1H100M	ELECTRØ	K
C44					50WV
C48			CC45FSL1H101J	CERAMIC	J
C49			CF92FV1H104J	MF	J
C50			C91-0737-05	CERAMIC	J
C51			C91-0721-05	CERAMIC	J
C52			C91-0769-05	CERAMIC	J
C53			CF92FV1H103J	MF	J
C54			CF92FV1H102J	MF	J
C55			CC45FSL1H101J	CERAMIC	J
C57					J
-		*	E02-0012-05	IC SOCKET	
-			J11-0098-05	HEAT SINK	
L1			L40-6801-17	SMALL FIXED INDUCTOR(680H,K)	J 1W
L3			L40-2211-17	SMALL FIXED INDUCTOR(2200H,K)	J 1W
L4			L40-2291-17	SMALL FIXED INDUCTOR	F 1/6W
X1			L78-0286-05	RESONATOR 10 MHz	J 2W
R54			RS14KB3A3R3J	FL-PROOF RS	J 1W
R73			RS14KB3A121J	FL-PROOF RS	J 1W
R104			RN14BK2C5620F5T5	FL-PROOF RS	J 1W
R105			RS14KB3D2R2J	FL-PROOF RS	F 1/6W
R106			RS14KB3A3R3J	FL-PROOF RS	J 2W
R132			RS14KB3A151J	FL-PROOF RS	J 1W
VR2			R12-1086-05	TRIM POT. 2.2K	J 1W
			R12-1084-05	TRIM POT. 1K	J 1W
D1			HSS104	DIODE	
D1			1SS133	DIODE	
IC1			NJM4560-N	IC	
IC1			HA11599	IC(CA/LD SERV IC)	
IC3			NJM4560D-N	IC	
IC4			NJM2903D	IC(DUAL COMPARTOR)	
IC5			NJM4560D-N	IC	
IC5			UPC7905HF	IC(VOLTAGE REGULATOR/ -5V)	
IC8			UPC7805HF	IC(VOLTAGE REGULATOR/ +5V)	
IC9			M37450M8-3385P	IC(MICROPROCESSOR)	

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IC11			PD0011A	IC(DECODER)	
Q1			2SC1740S(Q,R)	TRANSISTOR	
Q1			2SC945(A)(Q,P)	TRANSISTOR	
Q2			2SC1923(R,Ø)	TRANSISTOR	
Q3			2SC1740S(Q,R)	TRANSISTOR	
Q3			2SC945(A)(Q,P)	TRANSISTOR	
Q7			2SB941(P)	TRANSISTOR	
Q8			2SD1266(P)	TRANSISTOR	
Q10			2SB941(P)	TRANSISTOR	
Q11			2SA733(A)(Q,P)	TRANSISTOR	
Q11			2SA933S(Q,R)	TRANSISTOR	
Q12			2SC1740S(Q,R)	TRANSISTOR	
Q12			2SC945(A)(Q,P)	TRANSISTOR	
Q13			2SA733(A)(Q,P)	TRANSISTOR	
Q13			2SA933S(Q,R)	TRANSISTOR	
Q14			2SD1266(P)	TRANSISTOR	
Q17			2SB941(P)	TRANSISTOR	
Q18			2SD1266(P)	TRANSISTOR	
Q18			2SA733(A)(Q,P)	TRANSISTOR	
Q18			2SA933S(Q,R)	TRANSISTOR	
Q19			2SC1740S(Q,R)	TRANSISTOR	
Q19			2SC945(A)(Q,P)	TRANSISTOR	
Q21			2SA733(A)(Q,P)	TRANSISTOR	
Q21			2SA933S(Q,R)	TRANSISTOR	
Q22			2SC1740S(Q,R)	TRANSISTOR	
Q22			2SC945(A)(Q,P)	TRANSISTOR	
SIGNAL PROCESSOR UNIT (X32-1670-00)					
C1			CE04KW1H100M	ELECTRØ	35WV
C3			CK45FB1H821K	CERAMIC	K
C4			CE04KW1C220M	ELECTRØ	16WV
C5			CE04KW1A470M	ELECTRØ	10WV
C7			CF92FV1H105J	MF	0.010UF J
C8			C90-1349-05	NP-ELEC	50WV
C9			C90-1355-05	NP-ELEC	50WV
C10			CE04KW1H4R7M	ELECTRØ	4.7UF 50WV
C11			CF92FV1H124J	MF	0.12UF J
C15			CK45FB1H222K	CERAMIC	2200PF K
C15			CC45FUJ1H100D	CERAMIC	10PF D
C16			CC45FUJ1H221J	CERAMIC	220PF J
C17			CC45FUJ1H330J	CERAMIC	33PF J
C18			CF92FV1H105J	MF	1.0UF J
C19			CF92FV1H104J	MF	0.10UF J
C20			CK45FE1H103Z	CERAMIC	0.010UF Z
C21			CE04KW1A7R7M	ELECTRØ	4.70F 35WV
C22			CF92FV1H822J	MF	8200PF J
C23			CF92FV1H105J	MF	0.010UF J
C24			CF92FV1H104J	MF	0.10UF J
C25			CK45FB1H102X	CERAMIC	1000PF K
C26			CK45FB1H103Z	CERAMIC	0.010UF Z
C27			CE04KW1A101M	ELECTRØ	100UF 10WV
C28			CK45FB1H103Z	CERAMIC	0.010UF Z
C29			CE04KW1A101M	ELECTRØ	100UF 10WV
C30			CK45FB1H103Z	CERAMIC	0.010UF Z
C34			CC45FSL1H151J	CERAMIC	150PF J

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C35			CF92FV1H104J	0.10UF	J	
C36			CF92FV1H101J	1000PF	J	
C37			CF92FV1H150J	15PF	J	
C38			CE04KW1A470M	47UF	10WV	
C39			CF92FV1H103J	0.010UF	J	
C40			CF92FV1H684J	0.68UF	J	
C41			CF92FV1H683J	0.068UF	J	
C42			CF92FV1H392J	3900PF	J	
C43			CF92FV1H363J	0.036UF	J	
C44			CF92FV1H232J	0.022UF	Z	
C45	46		CE04KW1A101M	100UF	10WV	
C47	48		CF92FV1H223Z	0.022UF	Z	
C49	50		CE04KW1A221M	220UF	10WV	
C51	52		CE04KW1C101M	100UF	16WV	
C53			CF92FV1H331J	330PF	J	
C54			CF92FV1H271J	270PF	J	
C55	56		CF92FV1H32K	1500PF	K	
C57	58		CF92FV1H560J	56PF	J	
C59	60		CE04KW1C220M	22UF	16WV	
C61	64		CF92FV1H472J	4700PF	J	
C65	66		CE04KW1C220M	22UF	16WV	
C67	68		CF92FV1H393J	0.039UF	J	
C69			CF92FV1H104J	0.10UF	J	
C70			CF92FV1H31-05	NP-ELEC	50WV	
C71			CE04KW1V100M	ELECTRO	35WV	
C72	73		CF92FV1H333J	NP-ELEC	25WV	
C74	75		CF92FV1H333J	NP-ELEC	25WV	
C76	77		CF92FV1H223J	NP-ELEC	50WV	
C78	79		CF92FV1H350-65	NP-ELEC	35WV	
C82	83		CE04KW1V100M	ELECTRO	35WV	
C84			CE04KW1HR47M	ELECTRO	50WV	
C85			CF92FV1H104J	NP-ELEC	16WV	
C91			CE04KW1C330M	ELECTRO	16WV	
C92	93		CF92FV1H102K	1000PF	K	
C94			CF92FV1H330J	33PF	J	
C96			CE04KW1A101M	ELECTRO	10WV	
C97			CF92FV1H103J	NP-ELEC	J	
C98			CF92FV1H684J	0.68UF	J	
C99	103		CE04KW1A101M	ELECTRO	10WV	
C104	105		CE04KW1C470M	ELECTRO	16WV	
C106			CF92FV1H103J	0.010UF	J	
C108			CF92FV1H222J	2200PF	J	
C109			CF92FV1H472J	4700PF	J	
C111	112		CF92FV1H271K	270PF	K	
C113	116		CF92FV1H331K	330PF	K	
C117	118		CF92FV1H103J	0.010UF	J	
C119	120		CF92FV1H582J	5800PF	J	
C121	122		CF92FV1H471J	470PF	J	
C123	126		CF92FV1H103J	0.010UF	J	
C133	134		CF92FV1H121K	120PF	K	
C135	136		CF92FV1H363J	0.036UF	J	
C137	138		CF92FV1H121K	120PF	K	
C139	140		CE04KW1V100M	ELECTRO	35WV	
C141			CF92FV1H221J	220PF	J	
C142			CF92FV1H102K	1000PF	K	

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E1			E13-1401-05	PHONE JACK	AUDIO OUT	
E2			E11-0188-05	PHONE JACK	SYSTEM CONTROL	
L1		*	F01-1807-05	HEAT SINK		
L2		*	L79-0764-05	LC FILTER		
L3		*	L79-0797-05	LC FILTER		
L4		*	L39-0328-15	OSCILLATING COIL		
X1		*	L40-1091-16	SMALL FIXED INDUCTOR		
R5			L77-1183-05	CRYSTAL RESONATOR	33.8868MHZ	
R17	170		RS14KB3A270J	FL-PROOF RS	27 J 1W	
R171	178		RN14BK2C1102FTS	RN	11.0K F 1/6W	
R179	182		RN14BK2C7501FTS	RN	7.50K F 1/6W	
R193	194		RN14BK2C1472FTS	RN	14.7K F 1/6W	
R197	198		RN14BK2C1001FTS	RN	1.00K F 1/6W	
R201	204		RN14BK2C4220FTS	RN	422.0 F 1/6W	
VR1			R12-3128-05	TRIM POT.	22K	
K1	-3	*	S51-2095-05	MAGNETIC RELAY		
D1			1SV147	VARIABLE		
D2	-5		HSS104	DIODE		
D2	-5		1SS133	DIODE		
b6			1SV147	VARIABLE		
b7	-9		HZ58.2N(B2)	ZENER DIODE		
D7	-9		R08.2ES(B2)	ZENER DIODE		
D10	-20		HSS104	DIODE		
D10	-20		1SS133	DIODE		
D21	22		HZ58.1N(B2)	ZENER DIODE		
D21	22		R05.1ES(B2)	ZENER DIODE		
D23	24		HSS104	DIODE		
D23	24		1SS133	DIODE		
IC1			TC4053BP	IC(3-INPUT 2CH MPX/DE-MPX)		
IC2			TC74HC004AP	IC(CHOS INVERTER)		
IC3			NJM4565D	IC(OP AMP X2)		
IC4			NJM4565L	IC(DIGITAL SIGNAL PROCESSOR)		
IC5			CX01167Q	IC(8FS DIGITAL FILTER)		
IC6			SM5813AP	IC(QUAD 2-INPUT NAND GATE)		
IC7	8		TC74HC00AP	IC(OP AMP X2)		
IC9			NJM4565D	IC(AUDIO SYSTEM IC FOR LD)		
IC10		*	PA0034A	IC(OP AMP X2)		
IC11	-13		NJM4565D	IC(OP AMP X2)		
IC14			NJM4565L	IC(D/A CONVERTER)		
IC15		*	SM5860BP	IC(OP AMP X2)		
IC16	17	*	MS238L	IC(OP AMP X2)		
IC18	19		NJM4565D	IC(OP AMP X2)		
IC20			UPC7808HF	IC(VOLTAGE REGULATOR/ -8V(1A))		
IC21			UPC7908HF	IC(VOLTAGE REGULATOR/ +5V)		
IC22			UPC7805HF	IC(VOLTAGE REGULATOR/ +5V)		
IC23			UPC7905HF	IC(VOLTAGE REGULATOR/ -5V)		
IC24			TC74HC00AP	IC(QUAD 2-INPUT NAND GATE)		
G1	-3		2SC1740S(Q,R)	TRANSISTOR		
G1	-3		2SC6945(A)(Q,P)	TRANSISTOR		
G4			2SC2878(B)	TRANSISTOR		
G5	.6		2SA733(A)(Q,P)	TRANSISTOR		

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C5	6		25A9335(Q,R)	TRANSISTOR	
C7	8		25C1740S(Q,R)	TRANSISTOR	
C8	8		25C945(A)(Q,P)	TRANSISTOR	
C9	10		25K105(H)	FET	
C11			25A733(A)(Q,P)	TRANSISTOR	
C11			25A9335(Q,R)	TRANSISTOR	
C11			25K246(Y,OR)	FET	
C12			25C3940A	TRANSISTOR	
C15			25A733CA(Q,P)	TRANSISTOR	
C15			25A9335(Q,R)	TRANSISTOR	
C16	-18		25K1163(N)	FET	
C19	-21		25C1740S(G,R)	TRANSISTOR	
C21	-21		25C945(A)(Q,P)	TRANSISTOR	
C22	23		25C2878(B)	TRANSISTOR	
A1			W02-1044-05	TRANSMITTING ASSY	
VIDEO UNIT (X35-2040-00)					
C1			CK45FF1H103Z	CERAMIC	0.010UF Z
C2			CK45FSL1H820J	CERAMIC	82PF J
C3			CK45FSL1H330J	CERAMIC	33PF J
C4			CK45FF1H103Z	CERAMIC	0.010UF Z
C5	6		CE04KW1A470M	ELECTRO	10WV
C7			CC45FSL1H150J	CERAMIC	15PF J
C8			CC45FSL1H470J	CERAMIC	47PF J
C9			CC45FSL1H150J	CERAMIC	15PF J
C10			CC45FSL1H221J	CERAMIC	220PF J
C11			CC45FSL1H331J	CERAMIC	330PF J
C12	13		CC45FSL1H121J	CERAMIC	120PF J
C14	-18		CK45FF1H103Z	CERAMIC	0.010UF Z
C19	20		CE04KW1A101M	ELECTRO	10UF 10WV
C21			C90-1349-05	NP-ELEC	1UF 50WV
C22			CF92FV1H104J	MF	0.10UF J
C23			CK45FF1H103Z	CERAMIC	0.010UF Z
C24			CC45FSL1H470J	CERAMIC	47PF J
C25			CK45FF1H103Z	CERAMIC	0.010UF Z
C26	27		CE04KW1A101M	ELECTRO	10UF 10WV
C28			CC45FSL1H120J	CERAMIC	12PF J
C29			CC45FSL1H100J	CERAMIC	10PF D
C30			CC45FSL1H860J	CERAMIC	56PF J
C31			CC45FSL1H030C	CERAMIC	3.0PF C
C32			CC45FSL1H180J	CERAMIC	18PF J
C33			CF92FV1H102J	MF	1000PF J
C34			CE04KW1C330M	ELECTRO	33UF 16WV
C35			C91-0700-05	CERAMIC	0.1UF J
C36			CK45FF1H103Z	CERAMIC	0.010UF Z
C37			CC45FSL1H560J	CERAMIC	56PF J
C38			CK45FF1H103Z	CERAMIC	0.010UF Z
C39			CC45FSL1H560J	CERAMIC	56PF J
C40	-42		CE04KW1V4R7M	ELECTRO	4.7UF 36WV
C43			CE04KW1H010M	ELECTRO	1.0UF 50WV
C44			CE04KW1A470M	ELECTRO	47UF 10WV
C45			CE04KW1A101M	ELECTRO	10UF 10WV
C46			CF92FV1H102J	MF	1000PF J
C47			CF92FV1H221J	MF	2200PF J
C48			CC45FSL1H470J	CERAMIC	47PF J

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C49	-51		CK45FF1H103Z	CERAMIC	0.010UF Z
C52			CE04KW1H010M	ELECTRO	1.0UF 50WV
C53			CE04KW1H2R2M	ELECTRO	2.2UF 50WV
C54			CE04KW1A101M	ELECTRO	10UF 10WV
C55			CE04KW1A470M	ELECTRO	47UF 10WV
C56			CK45FF1H103Z	CERAMIC	0.010UF Z
C57			CE04KW1H010M	ELECTRO	1.0UF 50WV
C58			CE04KW1A470M	ELECTRO	47UF 10WV
C59			CC45FSL1H1000	CERAMIC	100PF D
C60			CC45FSL1H390J	CERAMIC	39PF J
C61			CF92FV1H472J	MF	4700PF J
C62			CF92FV1H103J	MF	0.010UF J
C63			CC45FSL1H100D	CERAMIC	10PF D
C64			CC45FSL1H560J	CERAMIC	56PF J
C65			CC45FSL1H270J	CERAMIC	27PF J
C66			CC45FSL1H560J	CERAMIC	56PF J
C67			CC45FSL1H330J	CERAMIC	33PF J
C68			CC45FSL1H560J	CERAMIC	56PF J
C69			CF92FV1H103J	MF	0.010UF J
C70			CK45FB1H102K	CERAMIC	1000PF K
C71			CE04KW1A101M	ELECTRO	10UF 10WV
C72			CC45FSL1H180J	CERAMIC	18PF J
C73			CC45FSL1H181J	CERAMIC	180PF J
C74			CE04KW1V100M	ELECTRO	10UF 35WV
C75			CE04KW1H010M	ELECTRO	1.0UF 50WV
C76	77		CE04JW0J470M	ELECTRO	47UF 6.3WV
C78			CE04JW1V100M	ELECTRO	10UF 35WV
C79	80		CE04KW1A470M	ELECTRO	47UF 10WV
C81			CC45FSL1H470J	CERAMIC	47PF J
C82	-85		CK45FF1H103Z	CERAMIC	0.010UF Z
C86			CC45FSL1H121J	CERAMIC	120PF J
C87			CF92FV1H102J	MF	1000PF J
C88			C90-1349-05	NP-ELEC	1UF 50WV
C89			CE04KW1A101M	ELECTRO	10UF 10WV
C90			CE04KW1V100M	ELECTRO	10UF 35WV
C91			CE04KW1A471M	ELECTRO	470UF 10WV
C92			CF92FV1H332J	MF	3300PF J
C93			CF92FV1H102J	MF	1000PF J
C94			CC45FSL1H820J	CERAMIC	82PF J
C95			CC45FSL1H221J	CERAMIC	220PF J
C96			CE04JW1V100M	ELECTRO	10UF 35WV
C97			CF92FV1H104J	MF	0.10UF J
C98			CF92FV1H475J	MF	0.047UF J
C99			CK45FB1H471K	CERAMIC	470PF K
C100			CC45FSL1H221J	CERAMIC	220PF J
C101			CK45FF1H103Z	CERAMIC	0.010UF Z
C102	-105		CF92FV1H102J	MF	1000PF J
C106			CE04KW1A471M	ELECTRO	470UF 10WV
C107			CF92FV1H272J	MF	2700PF J
C108			CE04KW0J331M	ELECTRO	330UF 6.3WV
C109			CK45FF1H103Z	CERAMIC	0.010UF Z
C110			CF92FV1H272J	MF	2700PF J
C111			CF92FV1H683J	MF	0.068UF J
C112			CF92FV1H333J	MF	0.033UF J
C113			CC45FSL1H101J	CERAMIC	100PF J

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C114			CE04KW1A101M	ELECTRØ		
C115			CK45FSL1H103Z	CERAMIC		
C116			CC45FSL1H390J	CERAMIC		
C117			CC45FSL1H180J	CERAMIC		
C118			CC45FSL1H100D	CERAMIC		
C119			CC45FSL1H330J	CERAMIC		
C120			CE04KW1A101M	ELECTRØ		
C121, 122			CK45FSL1H103Z	CERAMIC		
C123			CK45FSL1H103Z	CERAMIC		
C124			CF92FV1H332J	MF		
C125			CF92FV1H102J	MF		
C126			CE04KW1A101M	ELECTRØ		
C127			CE04KW1V47M	ELECTRØ		
C128			CK45FSL1H103Z	CERAMIC		
C129			CE04KW1V100M	ELECTRØ		
C130			CE04KW1A470M	ELECTRØ		
C131			CE04KW1H2R2M	ELECTRØ		
C132			CE04KW1H010M	ELECTRØ		
C133			CF92FV1H272J	MF		
C134			CE04KW1H2R2M	ELECTRØ		
C135			CF92FV1H473J	MF		
C136			CE04KW1A101M	ELECTRØ		
C137			C90-1349-05	NP-ELEC		
C138			CF92FV1H272J	MF		
C139			CC45FSL1H470J	CERAMIC		
C140			CK45FSL1H103Z	CERAMIC		
C141			CF92FV1H104J	MF		
C142			CE04KW1H100M	ELECTRØ		
C143			CE04KW1H101M	ELECTRØ		
C144			C90-1400-05	NP-ELEC		
C145			CE04JW1C470M	ELECTRØ		
C146			CE04JW1A101M	ELECTRØ		
C147			CC45FSL1H100D	CERAMIC		
C148			CC45FSL1H560J	CERAMIC		
C149			CC45FSL1H390J	CERAMIC		
C150			CC45FSL1H100D	CERAMIC		
C151			CF92FV1H224J	MF		
C152, 153			CF92FV1H104J	MF		
C154-157			CK45FSL1H103Z	CERAMIC		
C158-162			CF92FV1H104J	MF		
C163			CE04KW1B470M	ELECTRØ		
C164			CE04KW1A101M	ELECTRØ		
C165			CE04KW1B470M	ELECTRØ		
C166			CE04KW1A101M	ELECTRØ		
C167			CE04JW1C470M	ELECTRØ		
C168			CE04JW1A101M	ELECTRØ		
C169			CK45FSL1H103Z	CERAMIC		
C170			CC45FSL1H20J	CERAMIC		
C171			CC45FSL1H680J	CERAMIC		
C172			CC45FSL1H820J	CERAMIC		
C173			CC45FSL1H050C	CERAMIC		
C174			CE04KW1V100M	ELECTRØ		
C175, 176			CK45FSL1H103Z	CERAMIC		
C177			CC45FSL1H390J	CERAMIC		
C178			CC45FSL1H330J	CERAMIC		

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C179			CC45FSL1H120J	CERAMIC		
C180			CF92FV1H104J	MF		
C181			CC45FSL1H4820J	CERAMIC		
C182			CC45FSL1H221J	CERAMIC		
C183			CE04KW1V100M	ELECTRØ		
C184			CF92FV1H104J	MF		
C185			CF92FV1H473J	MF		
C186, 187			CK45FSL1H471K	CERAMIC		
C188			CC45FSL1H101J	CERAMIC		
C189			CF92FV1H104J	MF		
C190, 191			CC45FSL1H270J	CERAMIC		
C192, 193			CE04JW1A101M	ELECTRØ		
C194, 195			CK45FSL1H103Z	CERAMIC		
C196, 197			CC45FSL1H270J	CERAMIC		
C198, 199			CK45FSL1H103Z	CERAMIC		
C200			CC45FSL1H330J	CERAMIC		
C201			CC45FSL1H180J	CERAMIC		
C202, 203			CF92FV1H472J	MF		
C204			CC45FSL1H150J	CERAMIC		
C205			CE04KW1H010M	ELECTRØ		
C206-211			CK45FSL1H103Z	CERAMIC		
C212			CE04KW1B470M	ELECTRØ		
C213, 214			CE04KW1E221M	ELECTRØ		
C215			CC45FSL1H101J	CERAMIC		
C216, 217			CE04KW1A221M	ELECTRØ		
C218-220			CE04KW1A101M	ELECTRØ		
C221, 222			CK45FSL1H103Z	CERAMIC		
C223			CE04KW1A221M	ELECTRØ		
C224-227			CK45FSL1H103Z	CERAMIC		
C228			CC45FSL1H101J	CERAMIC		
TC1			C05-0302-05	CERAMIC TRIMMER CAPACITOR		
TC2			C05-0303-05	CERAMIC TRIMMER CAPACITOR(20PF)		
W1		*	E35-0005-05	WIRING HARNESS		
L1, 2			L40-1001-17	SMALL FIXED INDUCTOR(100H, K)		
L3, 4			L40-1501-17	SMALL FIXED INDUCTOR(150H, K)		
L5			L40-2001-17	SMALL FIXED INDUCTOR(200H, K)		
L6			L40-3001-17	SMALL FIXED INDUCTOR(300H, K)		
L7			L40-4701-17	SMALL FIXED INDUCTOR(470H, K)		
L8			L40-1001-17	SMALL FIXED INDUCTOR(100H, K)		
L9			L40-1011-17	SMALL FIXED INDUCTOR(1000H, K)		
L10			L40-3901-17	SMALL FIXED INDUCTOR(390H, K)		
L11			L40-1011-17	SMALL FIXED INDUCTOR(1000H, K)		
L12			L40-1001-17	SMALL FIXED INDUCTOR(100H, K)		
L13			L40-3901-17	SMALL FIXED INDUCTOR(390H, K)		
L14			L33-0363-05	CHOKE COIL		
L15		*	L40-1001-17	SMALL FIXED INDUCTOR(100H, K)		
L16			L40-2201-17	SMALL FIXED INDUCTOR(220H, K)		
L17			L40-1001-17	SMALL FIXED INDUCTOR(100H, K)		
L18			L40-2201-17	SMALL FIXED INDUCTOR(220H, K)		
L19			L40-1011-17	SMALL FIXED INDUCTOR(1000H, K)		
L20			L40-4701-17	SMALL FIXED INDUCTOR(470H, K)		
L21, 22			L40-2201-17	SMALL FIXED INDUCTOR(220H, K)		
L23			L40-1501-17	SMALL FIXED INDUCTOR(150H, K)		

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L24			L40-2201-17	SMALL FIXED INDUCTOR(220H,K)	
X1		*	L77-1182-05	CRYSTAL RESONATOR 14.31818 MHz	
C	2E		N30-3006-46	PAN HEAD MACHINE SCREW	
E	2E		N89-3008-46	BINDING HEAD TAPTITE SCREW	
R202, 203			RS14KB30391J	FL-PROOF RS 390 J 2W	
R204			RS14KB3AR47J	FL-PROOF RS 0.47 J 1W	
R217			RS14KB30391J	FL-PROOF RS 390 J 2W	
R267, 268			RS14KB30101J	FL-PROOF RS 100 J 2W	
VR1			R12-1083-05	TRIM POT. 1K	
VR2			R12-3126-05	TRIM POT. 10K	
VR3			R12-1085-05	TRIM POT. 2-2K	
VR4, 5			R12-3126-05	TRIM POT. 10K	
VR6			R12-1083-05	TRIM POT. 1K	
D1 - 6			HSS104	DIODE	
D1 - 6			1SS135	DIODE	
D7			1SV147	VARIABLE	
D8 - 13			HSS104	DIODE	
D8 - 13			1SS133	DIODE	
D14			RK36	DIODE	
D15 - 22			HSS104	DIODE	
D15 - 22			1SS133	DIODE	
IC1			MC1495L	IC(MULTIPLIER)	
IC2			NJM4565D	IC(OP AMP X2)	
IC3			HA11528	IC(VIDEO PROCESSOR)	
IC4			NJM78L05A	IC(VOLTAGE REGULATOR/ +5V)	
IC5		*	TL8803P	IC	
IC6			NJM78L05A	IC(VOLTAGE REGULATOR/ +5V)	
IC7			NJM4565D	IC(OP AMP X2)	
IC8			MC1495L	IC(MULTIPLIER)	
IC8, 10			NJM4565D	IC(OP AMP X2)	
IC11			TA9357P	IC(S-INPUT 2GH MPX/DE-MPX)	
IC12			TA7357P	IC	
IC13, 14			IC74HC123AP	IC	
IC15, 16			NJM4565D	IC(OP AMP X2)	
IC17			TC74HC04AP	IC(CMOS INVERTER)	
IC18			TC74HC40AP	IC	
IC19			TC74HC30AP	IC	
IC20		*	TC74HC74AP	IC(DUAL D-TYPE FLIP FLOP)	
IC21			TC5081AP	IC	
IC22			HD49403NT	IC	
IC23			NJM4565D	IC(OP AMP X2)	
IC24			NJM4560D-N	IC	
IC25			STA455C	IC(TRANSISTOR ARRAY)	
IC26			NJM78L05A	IC(VOLTAGE REGULATOR/ +5V)	
IC27		*	CXD1175AH	IC	
IC28, 29		*	CXK1206N	IC	
IC30		*	CXD1171W	IC	
IC31		*	NJM78L05A	IC(VOLTAGE REGULATOR/ +5V)	
IC32		*	UPC2408HF	IC(AVR)	
IC33			AN7908F	IC(VOLTAGE REGULATOR -8V/1A)	
IC34			TA7357P	IC	
IC35			NJM4565D	IC(OP AMP X2)	
IC36			MS0554-003SP	IC(CARACTER GENERATOR)	

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IC37		*	TC9015P	IC(TV SYNC OSC)	
IC38			TC74HC04AP	IC(CMOS INVERTER)	
IC39		*	TC74HC4040AP	IC	
IC40			TC74HC123AP	IC	
IC41		*	TC74HC175AP	IC	
IC42-45			TC74HC74AP	IC(DUAL D-TYPE FLIP FLOP)	
IC46, 47			TC74HC08AP	IC	
IC48			TC74HC00AP	IC(QUAD 2-INPUT NAND GATE)	
IC49			TC74HC86AP	IC	
IC50-52			TC74HC74AP	IC(DUAL D-TYPE FLIP FLOP)	
IC53, 54			AM7805F	IC(VOLTAGE REGULATOR/ +5V)	
IC55			NJM78L05A	IC(VOLTAGE REGULATOR/ +5V)	
IC57		*	LM2940T-8.0	IC(VOLTAGE REGULATOR)	
IC58			AM7908F	IC(VOLTAGE REGULATOR -8V/1A)	
Q1, 2			2SC1923(R, 0)	TRANSISTOR	
Q3, 4			2SC1740S(Q, R)	TRANSISTOR	
Q3, 4			2SC945(A)(Q, P)	TRANSISTOR	
Q5 - 8			2SC1923(R, 0)	TRANSISTOR	
Q9, 10			2SC1740S(Q, R)	TRANSISTOR	
Q9, 10			2SC945(A)(Q, P)	TRANSISTOR	
Q11 - 15			2SC1923(R, 0)	TRANSISTOR	
Q16 - 20			2SC1740S(Q, R)	TRANSISTOR	
Q16 - 20			2SC945(A)(Q, P)	TRANSISTOR	
Q21			2SA733(A)(Q, P)	TRANSISTOR	
Q21			2SA933S(Q, R)	TRANSISTOR	
Q23, 24			2SC1923(R, 0)	TRANSISTOR	
Q25, 26			2SC1740S(Q, R)	TRANSISTOR	
Q25, 26			2SC945(A)(Q, P)	TRANSISTOR	
Q27, 28			2SC1923(R, 0)	TRANSISTOR	
Q27, 28			2SC1740S(Q, R)	TRANSISTOR	
Q29			2SC945(A)(Q, P)	TRANSISTOR	
Q30			2SC1923(R, 0)	TRANSISTOR	
Q31			2SC1740S(Q, R)	TRANSISTOR	
Q31			2SC945(A)(Q, P)	TRANSISTOR	
Q32, 33			2SC1923(R, 0)	TRANSISTOR	
Q34			DTA124ES	DIGITAL TRANSISTOR	
Q35			2SK105(F, H)	FET	
Q36			2SC1740S(Q, R)	TRANSISTOR	
Q36			2SC945(A)(Q, P)	TRANSISTOR	
Q37			2SK105(F, H)	FET	
Q38			DTA124ES	DIGITAL TRANSISTOR	
Q39 - 41			2SC1740S(Q, R)	TRANSISTOR	
Q39 - 41			2SC945(A)(Q, P)	TRANSISTOR	
Q42			2SA733(A)(Q, P)	TRANSISTOR	
Q42			2SA933S(Q, R)	TRANSISTOR	
Q43 - 45			2SC1740S(Q, R)	TRANSISTOR	
Q43 - 45			2SC945(A)(Q, P)	TRANSISTOR	
Q46, 47			2SA733(A)(Q, P)	TRANSISTOR	
Q46, 47			2SA933S(Q, R)	TRANSISTOR	
Q48			2SC1740S(Q, R)	TRANSISTOR	
Q48			2SC945(A)(Q, P)	TRANSISTOR	
Q49			2SA733(A)(Q, P)	TRANSISTOR	
Q49			2SA933S(Q, R)	TRANSISTOR	
Q50			2SC1740S(Q, R)	TRANSISTOR	
Q50			2SC945(A)(Q, P)	TRANSISTOR	

E: Scandinavia & Europe K: USA P: Canada
Y: FX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

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△ indicates safety critical components.

△ indicates safety critical components.

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	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
35	2B	J25-8016-08	PRESSER UNIT ASSY	
36	3A	J90-0668-08	SLIDE GUIDE (B)	
37	1A, 1B	J99-0097-08	TRAY ASSY	
38	2B	N19-1253-08	HOLE PIECE	
39	3B	N24-3030-45	FASTENER (φ 3X7X0.6)	
40	1A, 1B	N30-2003-46	PAN HEAD MACHINE SCREW	
41	3A, 3B	N32-3005-45	FLAT HEAD MACHINE SCREW	
42	2B	N35-2003-45	BINDING HEAD MACHINE SCREW	
43	2B, 3B	N35-2604-45	BINDING HEAD MACHINE SCREW	
44	1B	N35-3003-45	BINDING HEAD MACHINE SCREW	
45	3B	N35-3005-45	BINDING HEAD MACHINE SCREW	
46	1A	N84-2008-46	SCREW	
47	1B, 2B	N84-2605-46	SCREW	
48	2B	N86-2605-46	SCREW	
49	3A	N86-3006-45	SCREW	
50	3B	N86-3008-46	SCREW	
51	1A	2-644-893-01	SCREW	
52	2A, 2B	3-558-708-21	WASHER	
53	3A	S59-1089-08	IN SW UNIT ASSY(CD)	
54	3A	S59-1089-08	IN SW UNIT ASSY(LD)	
55	3B	T42-0580-08	DISK MOTOR	
56	2A	T99-0506-08	MODE CHANGE SWITCH	
DN	3B	T42-0581-08	DISK MOTOR ASSY	
FW	2A, 3A	T42-0578-08	FEED MOTOR ASSY	
LW	2A	T42-0579-08	LOADING MOTOR ASSY	
PU	2B	T25-0012-08	PICKUP ASSY (KHS-130A)	

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40°C
 90%
 (orm)

50 W
 16")
 16")
 16")
 3 lb)

* New Parts
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Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考
1	1A, 1B	MECHANISM ASSY (D40-0952-05)		
2	3B	A11-0704-08	CHUCKING SHASSIS ASSY(R)	
3	3B	A11-0705-08	PU SHASSIS ASSY	
4	1B	002-0101-08	TURNTABLE ASSY	
5	2B	D10-3117-08	LOADING SHAFT	
		D10-3118-08	THRUST SHAFT	
6	1A	D12-0127-08	CONTROL CAM	
7	1A	D12-0128-08	TILT CAM	
8	1A	D13-0909-08	TRAY GEAR ASSY	
9	2A	D13-0910-08	GEAR	(B)
10	2A	D13-0911-08	GEAR	(A)
11	2B	D13-0912-08	LOADING GEAR	(V)
12	2B	D13-0913-08	GEAR	(A2)
13	2B	D13-0914-08	GEAR	(A1)
14	2B	D13-0915-08	GEAR	(A)
15	2A	D15-0312-08	LOADING PULLEY	
16	2A	D15-0313-08	PULLEY	
17	2A	D16-0312-08	LM BELT	
18	2A, 2B	D16-0313-08	TIMING BELT	
19	2B	E31-7939-08	FLAT CABLE	
20	1B	G01-3339-08	COMPRESSION SPRING	
21	2B	G02-0976-08	SHAFT CLAMPER	
22	3B	G02-0977-08	SHAFT STOPPER	
23	1B	J11-0169-08	CHUCKING PULLEY HOLDER ASSY	
24	1B	J19-3356-08	PULLEY HOLDER ASSY	
25	1B	J19-3357-08	SHAFT HOLDER ASSY	
26	1A	J19-3358-08	TRAY RAIL ASSY	
27	3B	J19-3359-08	BELT CLAMPER	
28	1A	J19-3360-08	LOADING GUIDE (B)	
29	2B	J19-3361-08	LOADING GUIDE (A)	
30	1B	J21-5680-08	SPRING HOLDER ASSY	
31	2B, 3B	J21-5681-08	FEED PLATE	
32	3A	J25-8013-08	FEED MOTOR UNIT ASSY *	
33	2A	J25-8014-08	LOADING MOTOR UNIT ASSY	
34	3B	J25-8015-08	FC UNIT ASSY	

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operational

NSI

LVD-700

SPECIFICATIONS

[Type]

Video disc format..... LaserVision format
Signal read system..... Semiconductor laser
Video output format..... NTSC
Video output lines..... 3 lines
 [S-VIDEO terminal, RCA pin jacks
 (OUTPUT 1, OUTPUT 2)]
Audio output lines..... 3 lines
 [Optical terminal, RCA pin jacks
 (OUTPUT 1, OUTPUT 2)]

[Characteristics]

Video output level..... 1 Vp-p (75 Ω load, sync. negative)
S-VIDEO output level..... Y output : 1 Vp-p (75 Ω load,
 sync. negative)
 C output : 0.286 Vp-p
 (75 Ω load)
Horizontal resolution..... 425 lines
Video signal to noise ratio..... More than 50 dB
Digital audio section
Frequency response..... 4 Hz~20 kHz \pm 0 dB
 -1.5 dB
Signal to noise ratio..... More than 105 dB
Dynamic range..... More than 92 dB
Total harmonic distortion.... Less than 0.001% (1 kHz)
Wow and flutter..... Below measurable limit
 (\pm 0.001% W. PEAK)
Output level/Impedance..... 2 V/1 K Ω
Optical output (optical
fiber output terminal)..... -15 dBm~ -21 dBm

Allowable operating temperature range..... 5°C~40°C
Allowable operating humidity range..... 5%~90%
 (condensation should not form)

[General]

Power consumption..... 50 W
Dimensions..... W: 440 mm (17-5/16")
 H: 138 mm (5 -7/16")
 D: 382 mm (15-1/16")
Weight (Net)..... 11.0 kg (24.3 lb)

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 U.S.A. (K) 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.

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