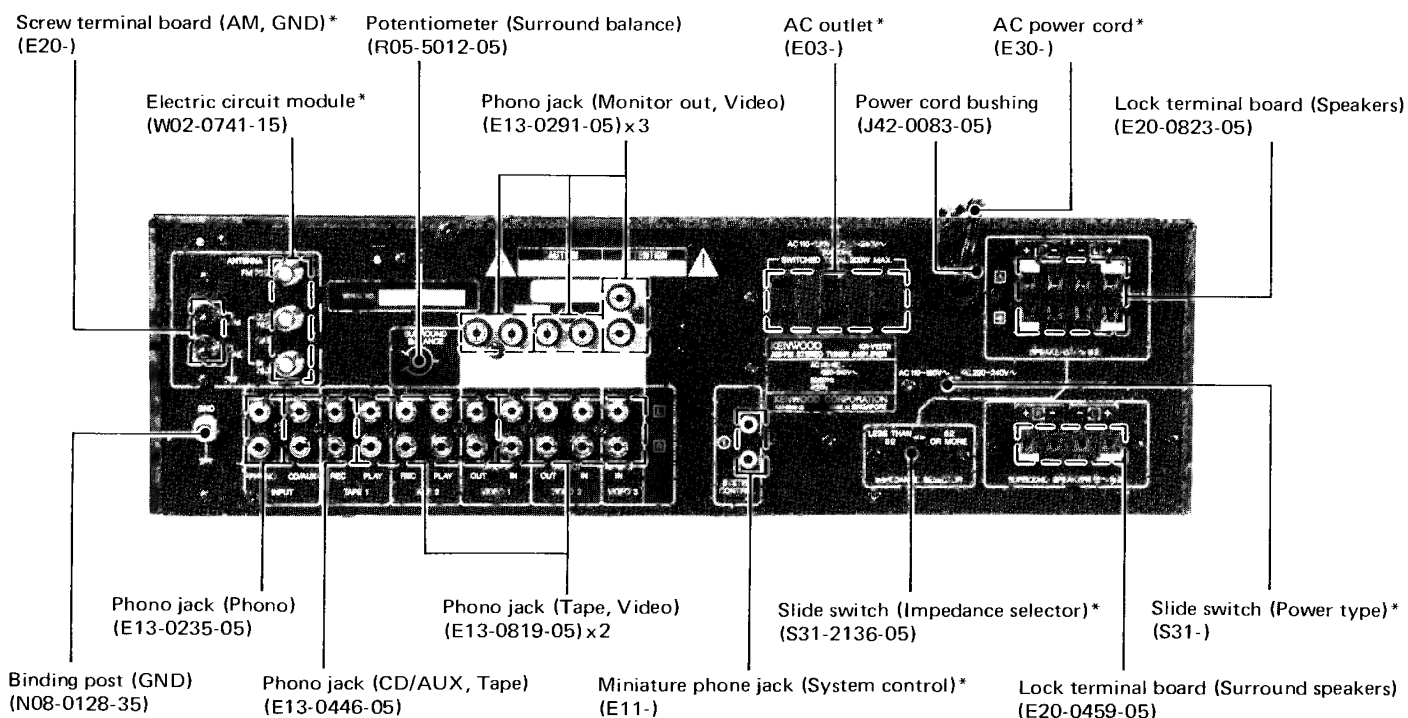
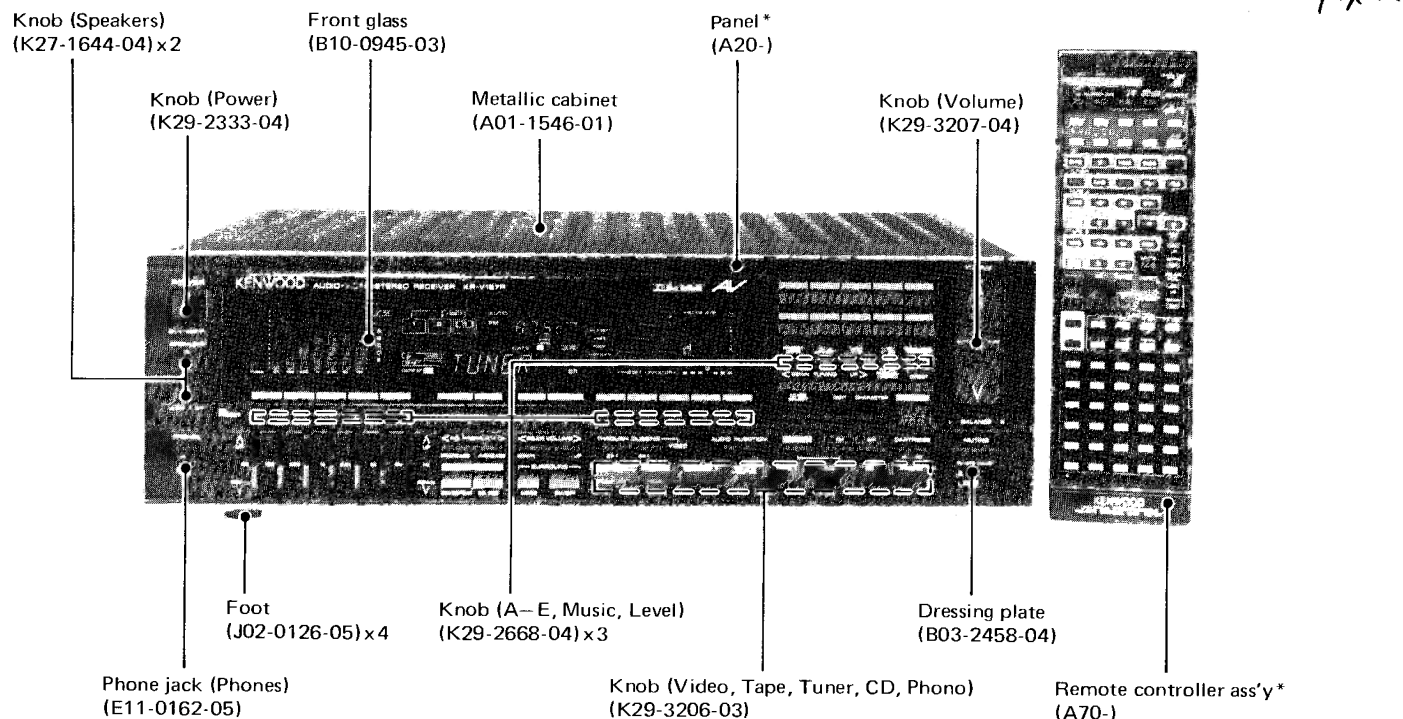


fx 2-3



SPECIFICATIONS

AUDIO SECTION

Power Output

(Front)

130 watts per channel minimum RMS, both channel driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.008% total harmonic distortion

(Rear)

10 watts per channel minimum RMS, both channel driven at 8 ohms from 70 Hz to 10 kHz with no more than 0.9 % total harmonic distortion

(Front)

140 watts per channel minimum RMS, both channel driven into 8 ohms at 1kHz with no more than 0.008 % total harmonic distortion

Total Harmonic Distortion

(1 kHz, 8 ohms) 0.002% at 130 W

Intermodulation Distortion 0.008 % at 130 W

Input Sensitivity/Impedance

PHONO (MM) 3.0 mV/47 kohms

PHONO (MC) 0.3 mV/100 ohms

CD/AUX, TAPE 200 mV/47 kohms

VIDEO 250 mV/47 kohms

Frequency Response

TAPE, CD/AUX, VIDEO 10 Hz - 200,000 Hz... ± 0 dB,
- 3 dB

Signal to Noise Ratio

PHONO (MM) 82 dB

PHONO (MC) 63 dB

CD/AUX, TAPE 100 dB

VIDEO 90 dB

Graphic Equalizer

Center Frequency 60 Hz, 150 Hz, 400 Hz, 1 kHz,
2.4 kHz, 6 kHz, 15kHz

Control Range ± 12 dB

VIDEO SECTION

Inputs/Outputs VIDEO 1,2,3 1 Vp-p, 75 ohms unbalanced

FM TUNER SECTION

Tuning Frequency Range 87.5 MHz - 108 MHz

Antenna Impedance 75 ohms unbalanced

Usable Sensitivity 10.8 dBf (0.95 µV)

50 dB Quieting Sensitivity

MONO 14.2 dBf (1.4 µV)

STEREO 37.2 dBf (20 µV)

Signal to Noise Ratio at 65 dBf

MONO 80 dB

STEREO 74 dB

Total Harmonic Distortion at 1,000 Hz

MONO 0.07%

STEREO 0.1%

Frequency Response 30 Hz - 15,000 Hz ± 0.5 dB,

2 dB

Stereo Separation

50 dB at 1,000 Hz

Selectivity

55 dB at 400 kHz

Capture Ratio

1.0 dB

Image Rejection Ratio

43 dB

IF Rejection Ratio

86 dB

Spurious Rejection Ratio

83 dB

AM Suppression Ratio

62 dB

AM TUNER SECTION

Tuning Frequency Range

530 kHz - 1,610 kHz

(with the AM tuning interval set at 10 kHz)

531 kHz - 1,602 kHz

(with the AM tuning interval set at 9 kHz)

Usable Sensitivity 10 µV (400 µV/m)

Signal to Noise Ratio 50 dB

Total Harmonic Distortion 0.3 %

Selectivity

25 dB

GENERAL

Power Consumption 4.8A... USA Model/400 W... others

Dimensions 420(W) × 133(H) × 369(D) mm
(16-9/16" × 5-1/4" × 14-1/2")

Weight (Net) 11.5kg (25.4 lb)

Note:

We follow 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.

KENWOOD CORPORATION

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2201 East Dominguez Street, Long Beach, CA 90810

550 Clark Drive, Mount Olive, NJ 07828, U.S.A.

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KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrucker-Str. 15, 6056 Heusenstamm, West Germany

TRIO-KENWOOD FRANCE S.A.

Hi-Fi·VIDEO·CAR Hi-Fi

13, Boulevard Ney, 75018 Paris, France

TRIO-KENWOOD U.K. LTD.

17 Bristol Road, The Metropolitan Centre, Greenford, Middx. UB6 8UP England

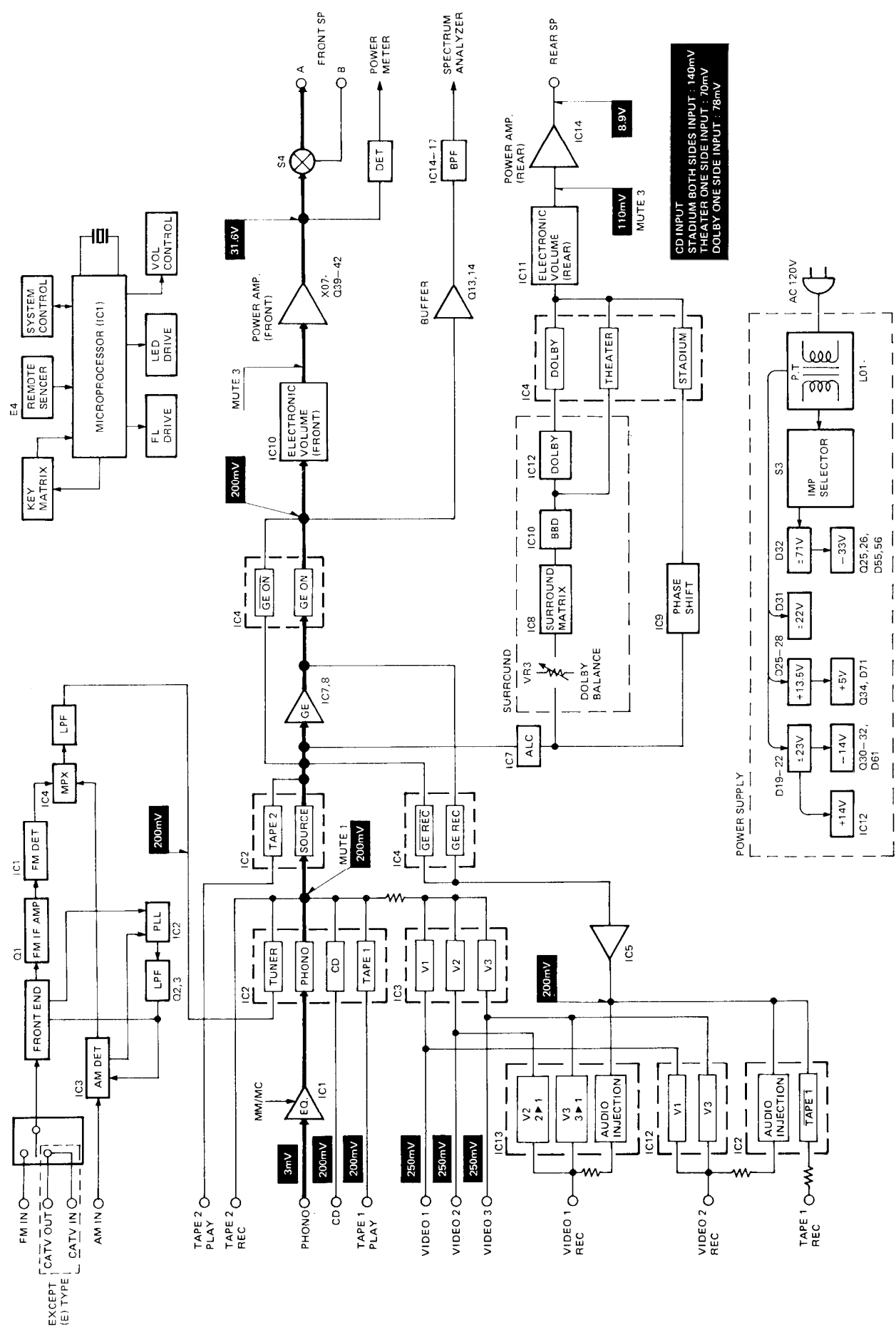
KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

4F Woodcock Place, Lane Cove, NSW 2066, Australia

KENWOOD & LEE ELECTRONICS, LTD.

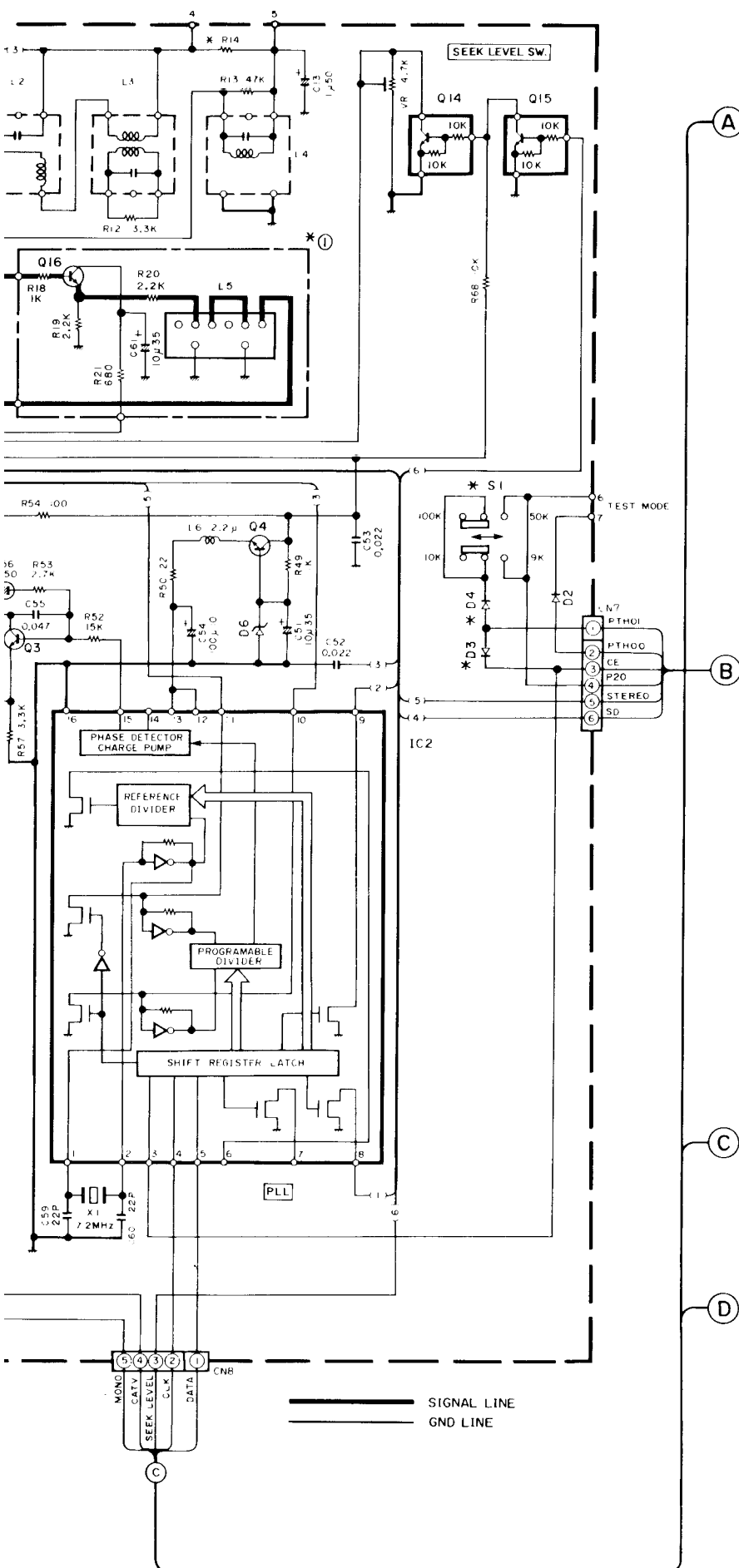
Wang Kee Building, 4th Floor, 34-37, Connaught Road, Central, Hong Kong

BLOCK LEVEL DIAGRAM

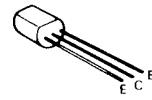


ADJUSTMENT

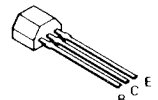
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		INPUT SELECTOR: FM		MODE: STEREO			
1	DISCRIMINATOR (1)	(A) 98.0MHz 1kHz, ±75kHz dev 60dBμ(Ant input)	Connect a DC voltmeter between TP4 and 5.	MONO 98.0MHz	L2 (X05-)	0V	(a)
2	DISCRIMINATOR (2)	(A) 98.0MHz 1kHz, ±75kHz dev 60dBμ(Ant input)	(B)	MONO 98.0MHz	L3 (X05-)	Minimum distortion.	
Repeat alignments 1 and 2 several times.							
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±68.25kHz dev Selector: L or R Pilot: ±6.75kHz dev 60dBμ(Ant input)	(B)	98.0MHz	IFT (Front end)	Minimum distortion.	
4	SEPARATION	(C) 98.0MHz 1kHz, ±68.25kHz dev Selector: L or R Pilot: ±6.75kHz dev 60dBμ(Ant input)	(B)	98.0MHz	VR2 (X05-)	Minimum crosstalk. A compromise adjustment may be required if left to right and right to left separations are unequal.	
5	TUNING LEVEL	(A) 98.0MHz 0 dev 13dBμ(Ant input)	-	AUTO or MONO 98.0MHz	VR1 (X05-)	Adjust VR1 and stop at the point where FL1(TUNED) goes on.	
AM SECTION		Keep the loop antenna installed.		INPUT SELECTOR: AM			
(1)	BAND EDGE	-	Connect a DC voltmeter to TP3.	530kHz (531kHz)	L9 (X05-)	1.5V	(b)
(2)	BAND EDGE	-	Connect a DC voltmeter to TP3.	1610kHz (1602kHz)	TC2 (X05-)	8.0V	(b)
Repeat alignments (1) and (2) several times.							
(3)	RF ALIGNMENT (1)	(D) 600(603)kHz 400Hz, 30% mod	(B)	600kHz (603kHz)	L8 (X05-)	Maximum amplitude and symmetry of the oscilloscope display.	
(4)	RF ALIGNMENT (2)	(D) 1400(1404)kHz 400Hz, 30% mod	(B)	1400kHz (1404kHz)	TC1 (X05-)	Maximum amplitude and symmetry of the oscilloscope display.	
Repeat alignments (3) and (4) several times.							
(5)	IF TRANSFORMER	(D) 1000(999)kHz 400Hz, 30% mod	(B)	1000kHz (999kHz)	L10 (X05-)	Maximum amplitude and symmetry of the oscilloscope display.	
AUDIO SECTION							
(1)	IDLE CURRENT	-	(E) Connect a DC voltmeter across CP1(L) CP2(R)	Main volume: 0	VR1(L) VR2(R) (X07-)	10mV	(c)
(2)	DOLBY SURROUND CENTER ADJUSTMENT	(F) Connect an AG(1kHz) to CD/AUX jack(L or R).	Connect an oscilloscope between TP8 and GND.	Main volume: 0 Increase the input level until the waveform clips.	VR4 (X05-)	Adjust so that the upper and lower waveform clips becomes symmetrical.	(d)
(3)	DOLBY SURROUND CLOCK LEAKAGE ADJUSTMENT	(F) Cut off the input signal level.	Connect an oscilloscope between TP8 and GND.	-	VR5 (X05-)	Adjust so that the height of the clock frequency(several 10kHz) becomes minimum.	(d)
Perform adjustment [3] after completion of adjustment [2].							
(4)	SPECTRUM ANALYZER SENSITIVITY ADJUSTMENT	(F) Connect an AG(12mV, 1kHz) to CD/AUX jack(L & R).	-	-	VR1 (X14-)	To the position so that the lowest level of the spectrum analyzer lights.	



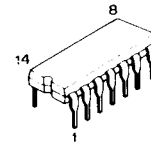
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2SC945(A)
2SC1845
2SC1923
2SC2003



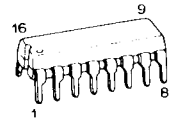
DTA124ES
DTC114ES
2SC1740S



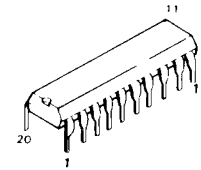
μ PD4066BC



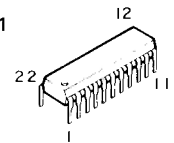
LA1235
LM7001



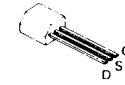
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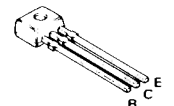
LA3401



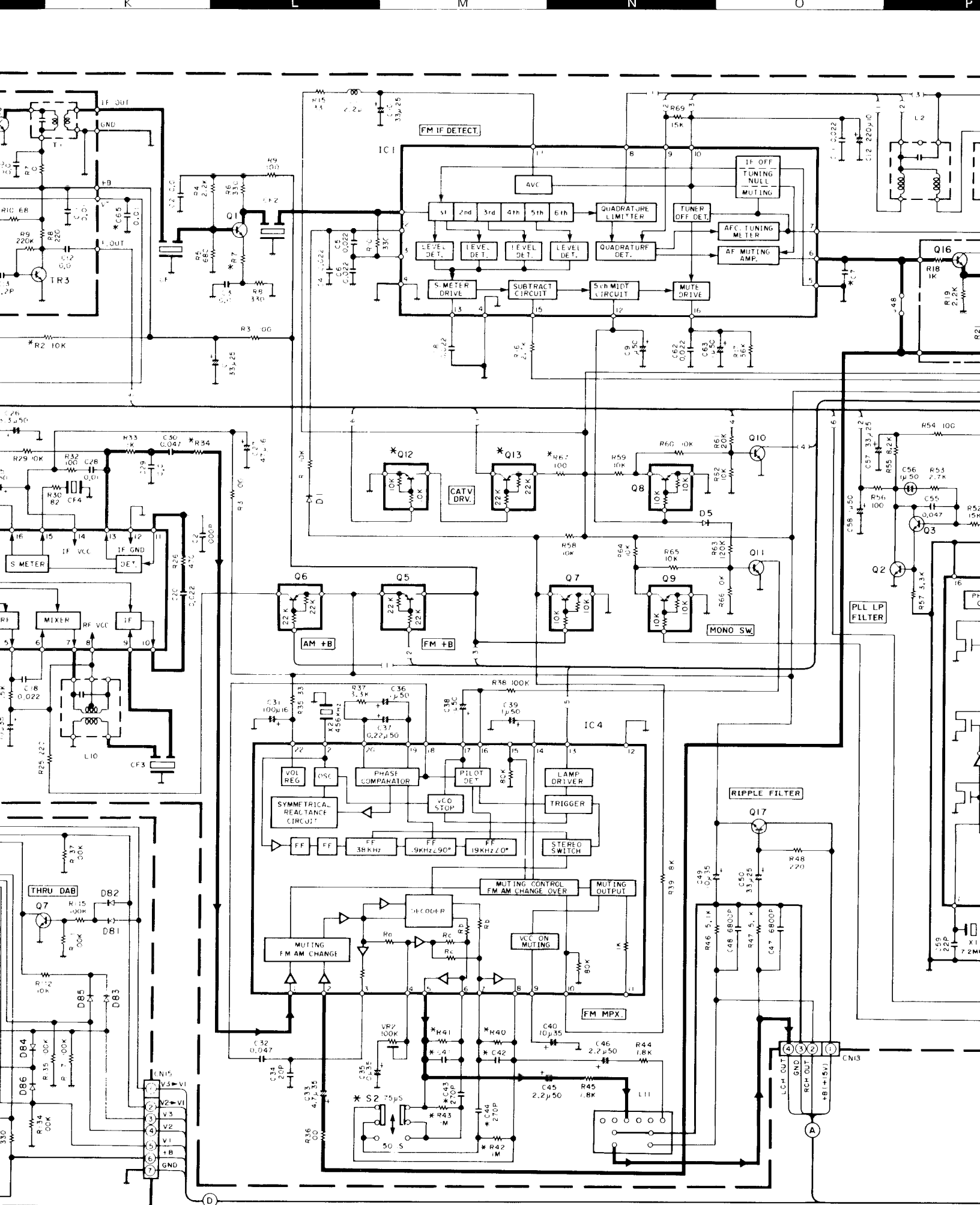
2SK439



2SC3391
2SC3494



KR-V127R
KENWOOD



(X05-352X-**) (A/6)

DESTINATION	No	C7	C41,42	C43,44	C65	R1,2	R7	R14	R34
K	0 10	330P	820P	NO	NO	NO	22	12K	22K
P	1-01	330P	820P	NO	NO	NO	22	12K	22K
U, UE	0-81	330P	560P	YES	NO	NO	22	22K	22K
F	2-71	560P	470P	NO	YES	YES	10	22K	15K

DESTINATION	No	R40,41	R42,43	R67	R140	S1,2	D3	D4	Q12,13	...
K	C 10	91K	NO	YES	YES	NO	NO	NO	YES	NO
P	1-01	91K	NO	YES	YES	NO	NO	NO	YES	NO
U, UE	0-81	91K	YES	YES	NO	YES	NO	YES	YES	NO
E	2-71	100K	NO	NO	NO	NO	YES	NO	NO	YES

(X05-333X-**) (A/5)

IC1 LA1235
IC2 LM7001
IC3 LA1245
IC4 LA3401

Q1 2SC1923 (R, O)
Q2, 3 2SC1845 (F, E)
Q4, 17 2SC2003 (L, K)
Q5, 6, 13 DTA124ES
Q7~9, 12, 14, 15 DTC114ES
Q10, 11, 16 2SC945 (A) (Q, P) or 2SC1740S (Q, R)

D1~5, 7, 8 1SS176 or 1SS133
D6 RD6.2ES (B2) or HZS6.2N (B2)
D9 KVI236 (Z2)

(X14-213X-**) (F/6)

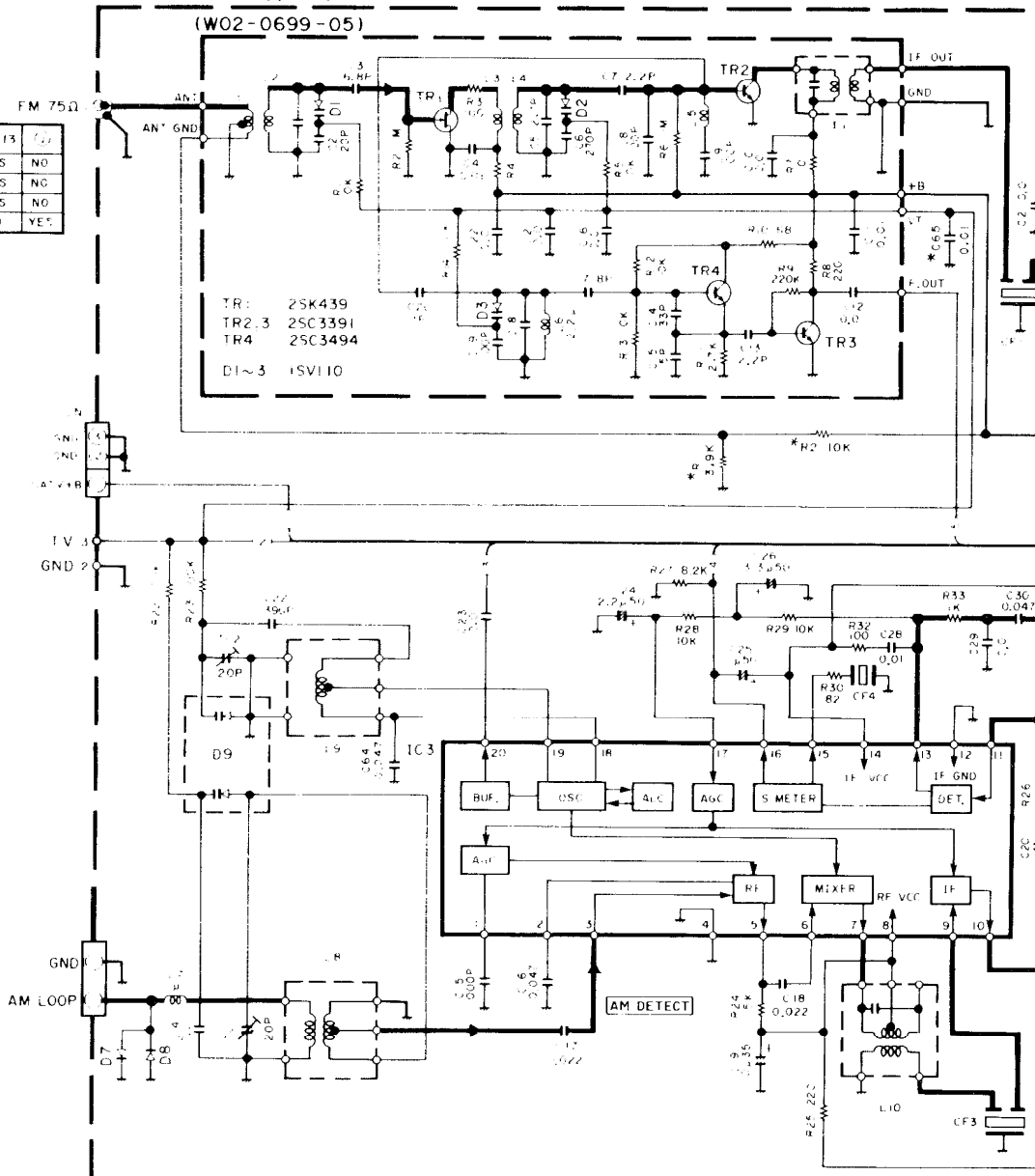
IC12, 13 μ PD4066BC

Q7 2SC945 (A) (Q, P)
Q8~10 2SA999 (E, F)

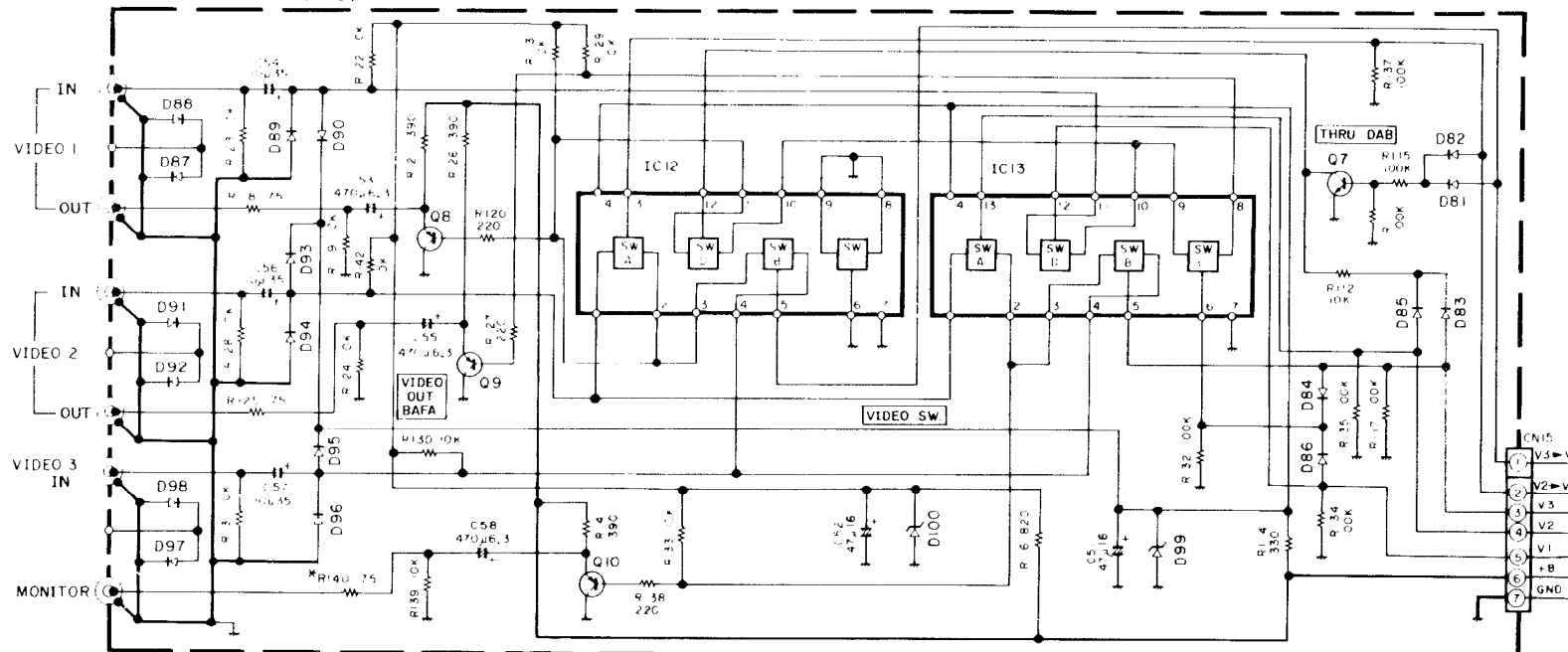
D81~98 1SS176 or 1SS133
D99 RD5.6ES (B2) or HZS5.6N (B2)
D100 RD2.7ES (B2) or HZS2.7N (B2)

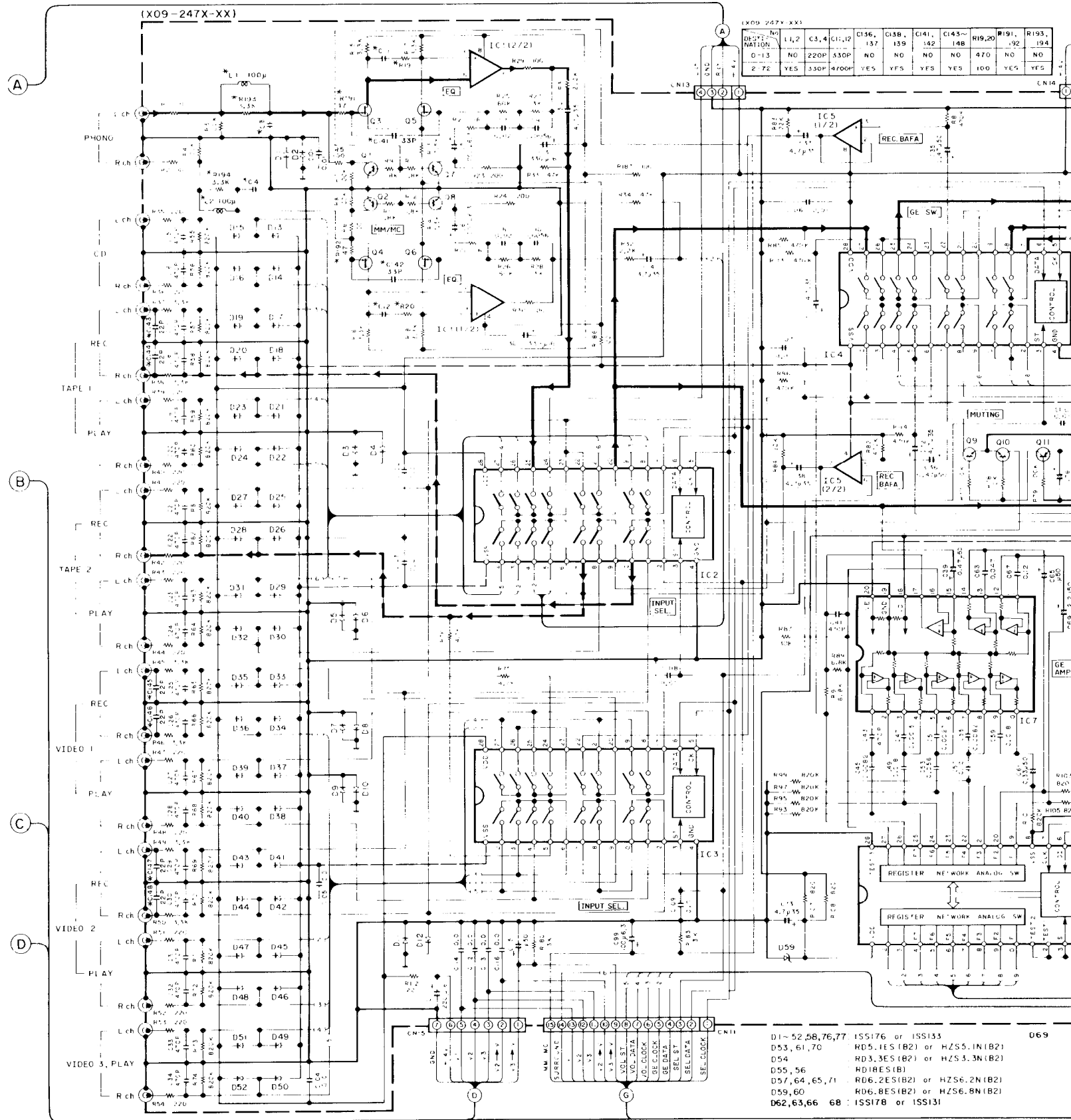
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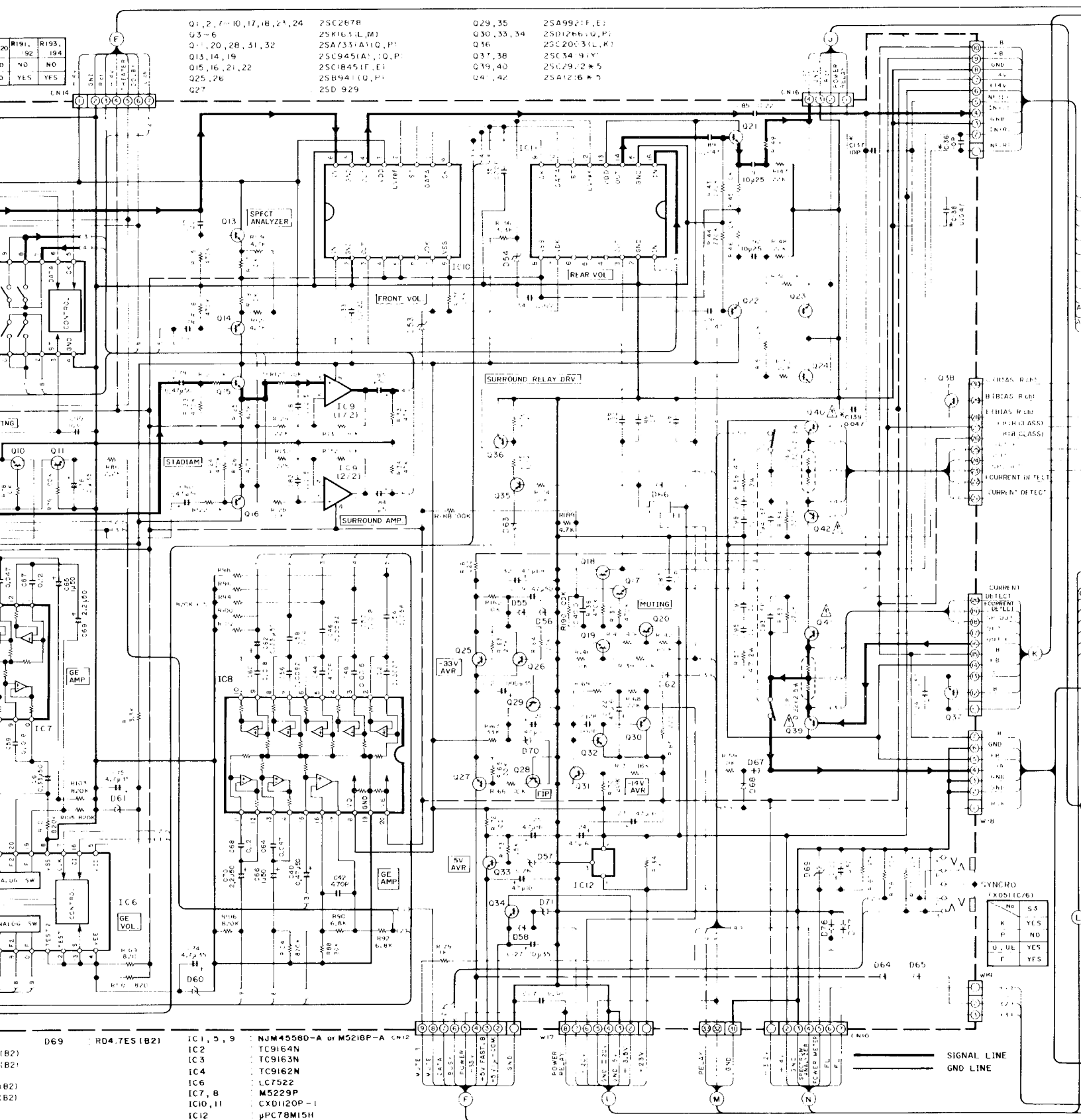
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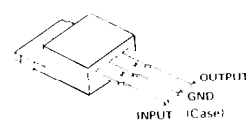
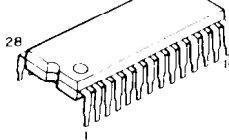
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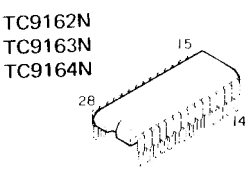
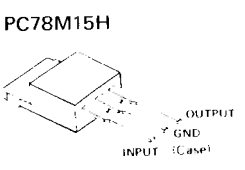
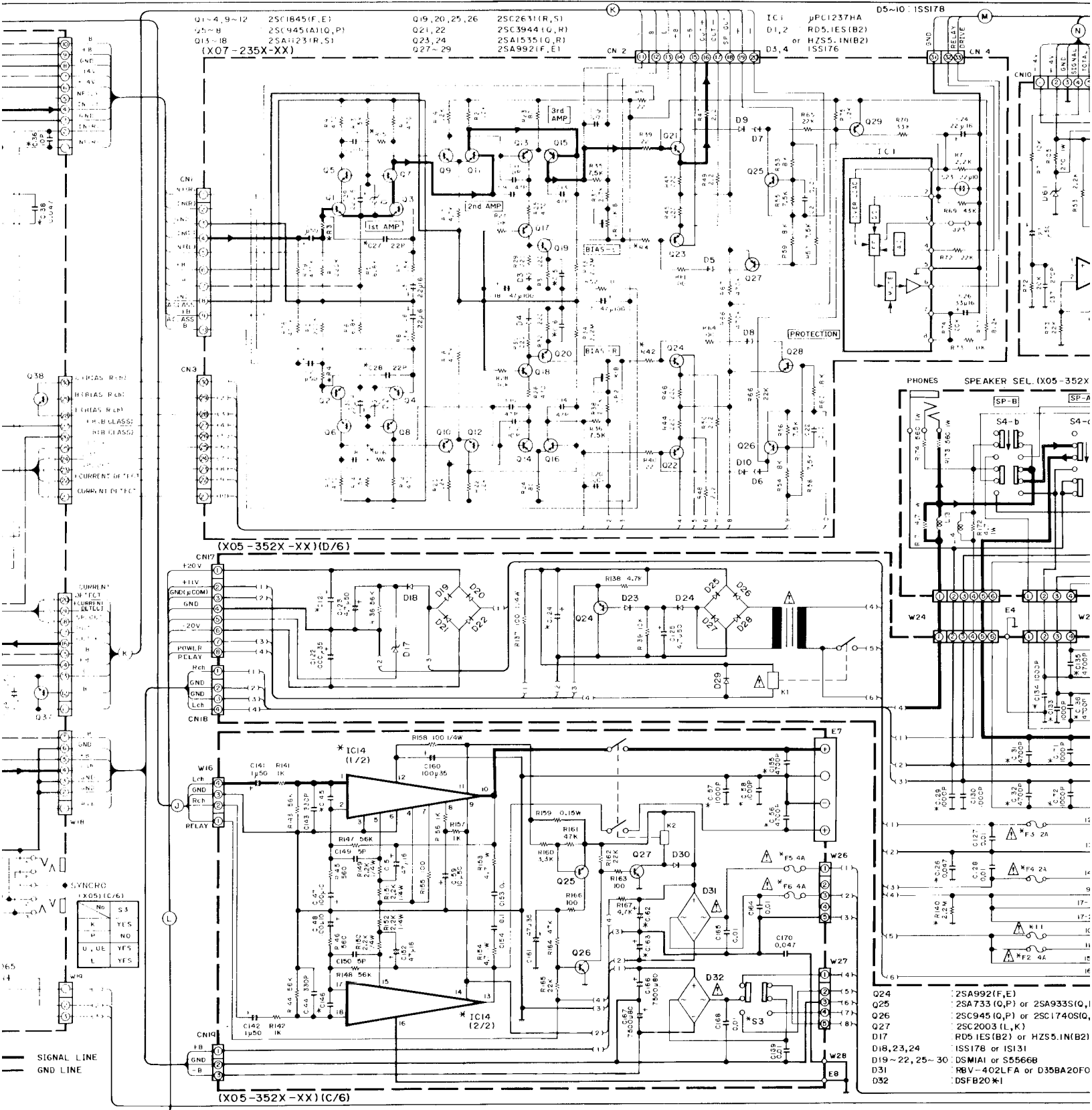


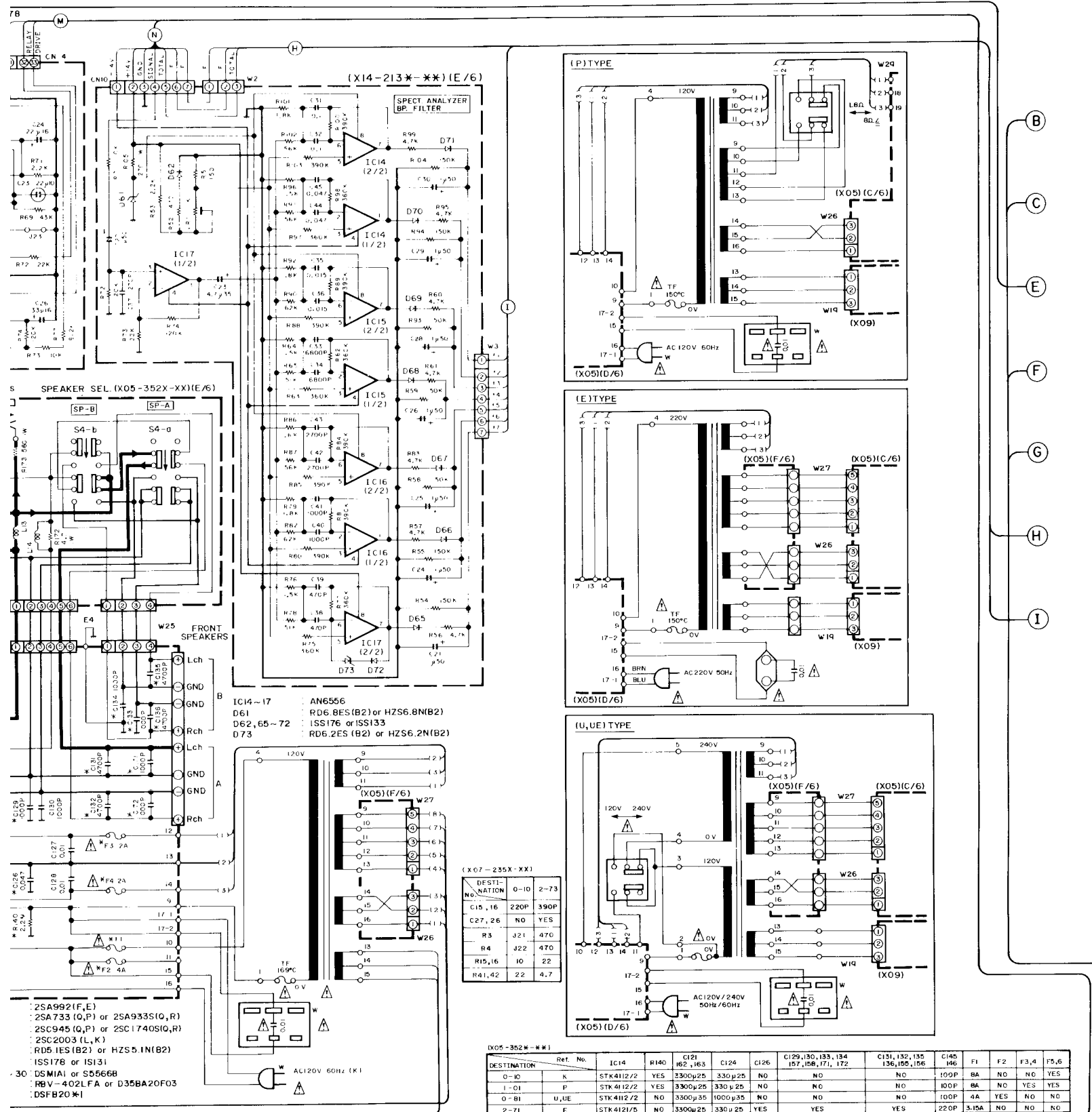




μPC78M15H



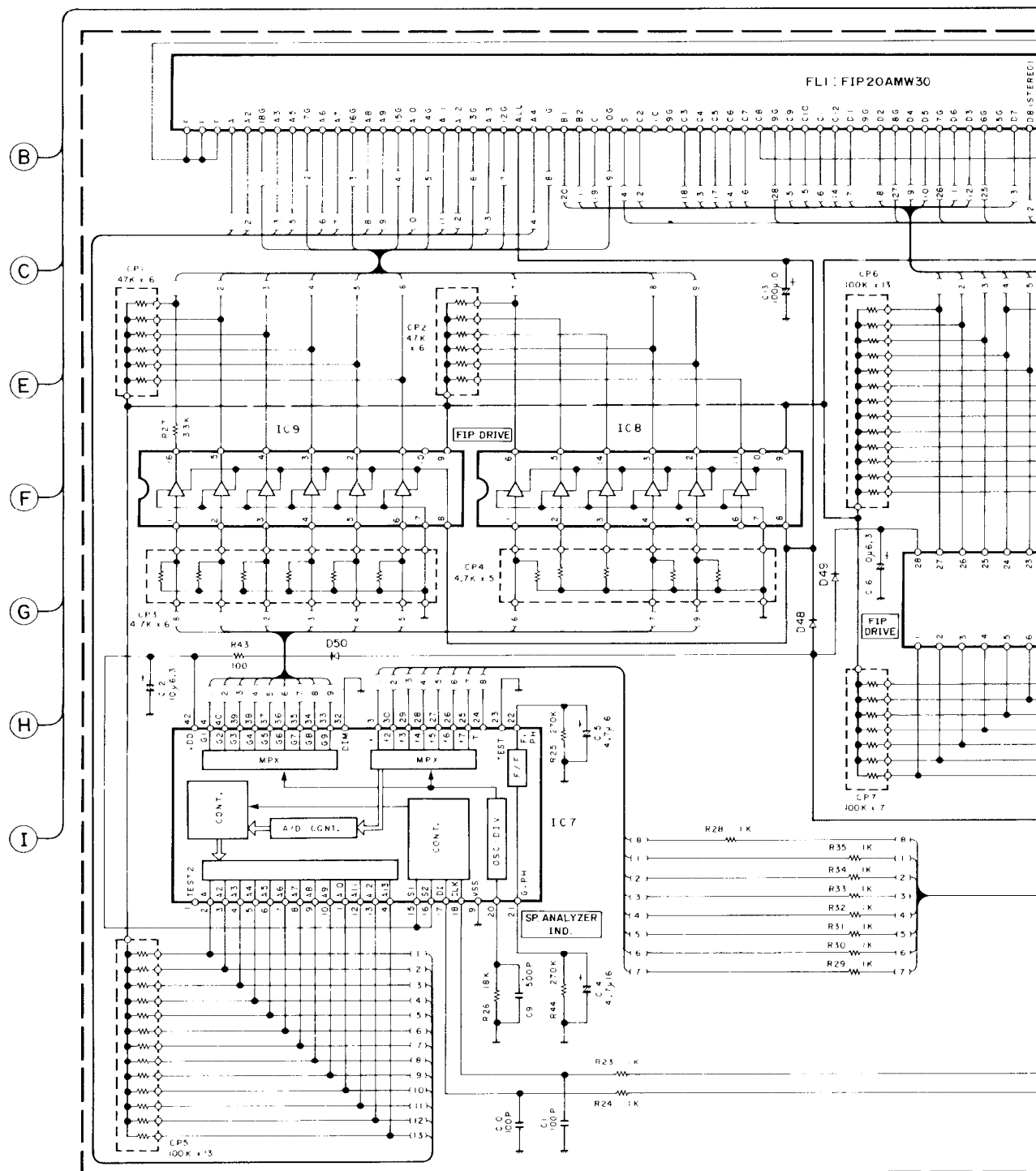




KR-V127R (K) (2/3)

KR-V127R

KENWOOD


$$(X|4 - 2|3X - X X)(A/6)$$

(X14-213X-XX)(A/6)

IC1	: μPD75108CW-041
IC2~5	: μPA80C
IC6	: μPD6300C
IC7	: LC7565
IC8,9	: LB1294

Q1 ~ 4 : DTA143EFF

D9 ~ 12, 15, 17 ~ 37, 48 ~ 54 : ISS176 or ISS133
D38 ~ 47 : ISS178 or ISS131

(X14-213X-XX)(C/6)

DI ~ 7 : ISS176 or ISS133
D8 : B30-0431-05

(X14-213X -
IC 10,11

IC 10, 11 :

Q12,14 :

Q13 :

DIII ~ 118 :

(X14 - 213* - *

DESTINATION	DATE	TIME	STATUS
NEW YORK	10/10/54	10:00	ARRIVED
LOS ANGELES	10/11/54	08:00	DEPARTED
SAN FRANCISCO	10/12/54	12:00	ARRIVED
SEATTLE	10/13/54	09:00	DEPARTED
PORTLAND	10/14/54	11:00	ARRIVED
SPokane	10/15/54	07:00	DEPARTED
BOZEMAN	10/16/54	10:00	ARRIVED
HELENA	10/17/54	08:00	DEPARTED
MISSOULA	10/18/54	11:00	ARRIVED
IDAHO FALLS	10/19/54	09:00	DEPARTED
BOISE	10/20/54	12:00	ARRIVED
POWELL BUTTE	10/21/54	08:00	DEPARTED
BOZEMAN	10/22/54	10:00	ARRIVED
HELENA	10/23/54	08:00	DEPARTED
MISSOULA	10/24/54	11:00	ARRIVED
IDAHO FALLS	10/25/54	09:00	DEPARTED
BOISE	10/26/54	12:00	ARRIVED
POWELL BUTTE	10/27/54	08:00	DEPARTED
BOZEMAN	10/28/54	10:00	ARRIVED
HELENA	10/29/54	08:00	DEPARTED
MISSOULA	10/30/54	11:00	ARRIVED
IDAHO FALLS	10/31/54	09:00	DEPARTED
BOISE	11/01/54	12:00	ARRIVED
POWELL BUTTE	11/02/54	08:00	DEPARTED
BOZEMAN	11/03/54	10:00	ARRIVED
HELENA	11/04/54	08:00	DEPARTED
MISSOULA	11/05/54	11:00	ARRIVED
IDAHO FALLS	11/06/54	09:00	DEPARTED
BOISE	11/07/54	12:00	ARRIVED
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HELENA	12/28/54	08:00	DEPARTED
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2-72

2SC945(A)
2SC2003

2SD1266

DTA143EFF

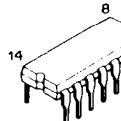
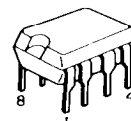
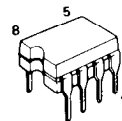
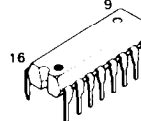
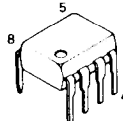
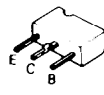
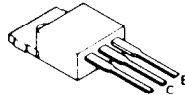
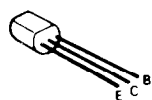
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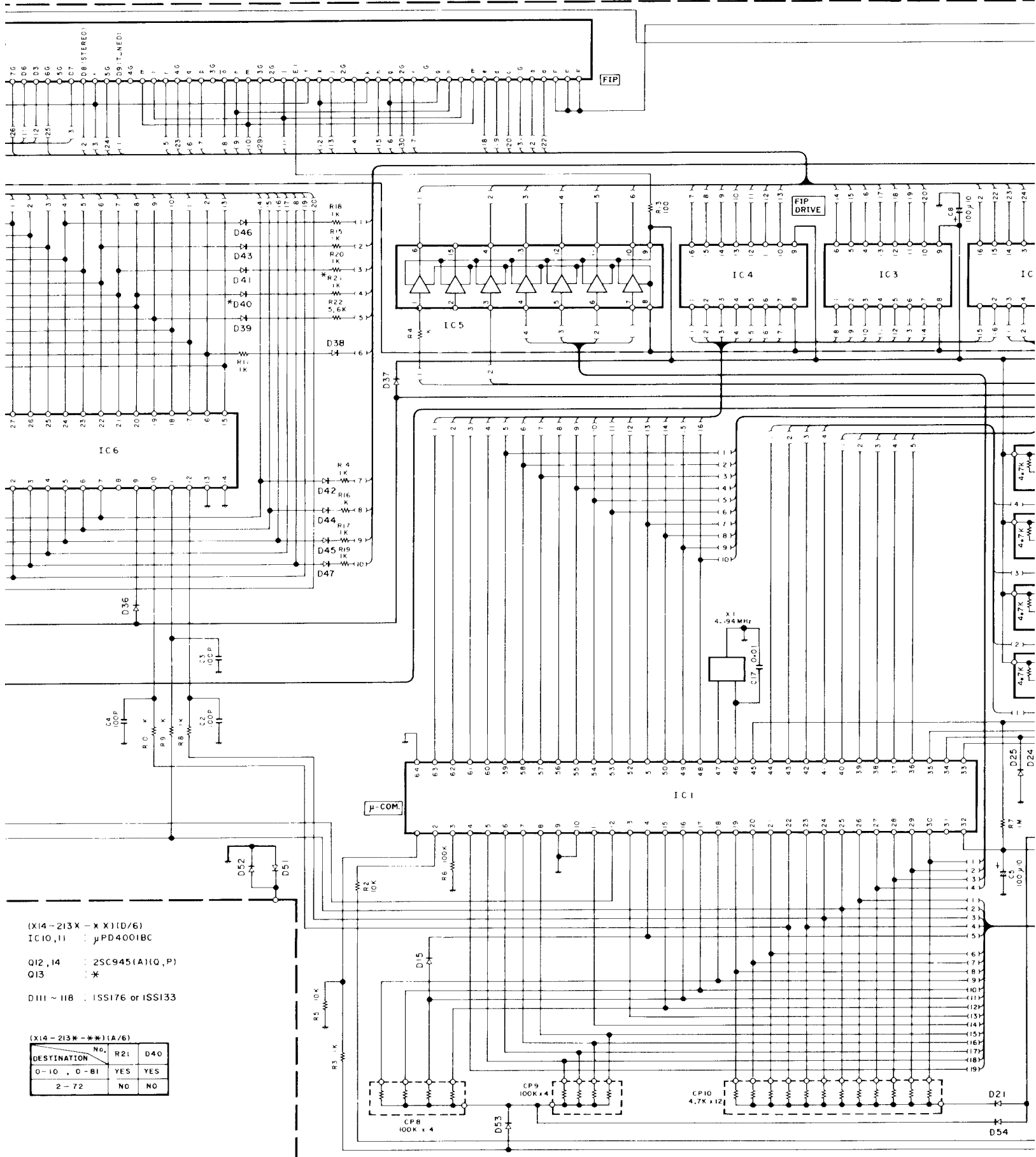
NE645N

MN3101

M5218P

μPD4001BC





μPD4001BC

LB1294

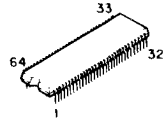
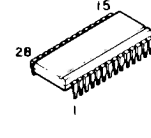
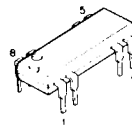
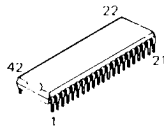
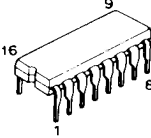
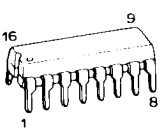
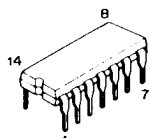
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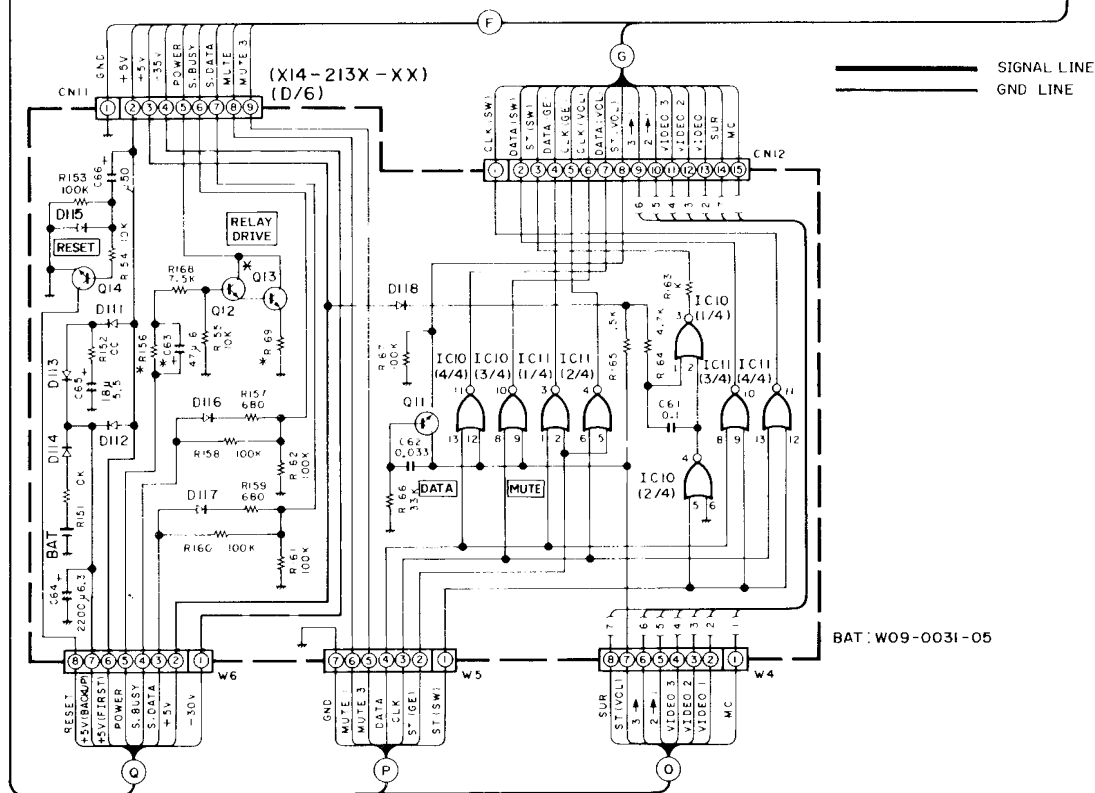
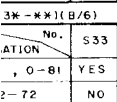
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