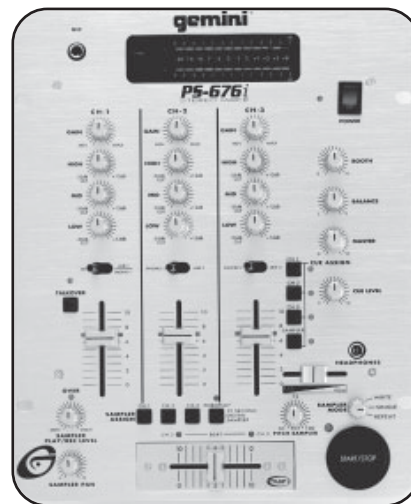
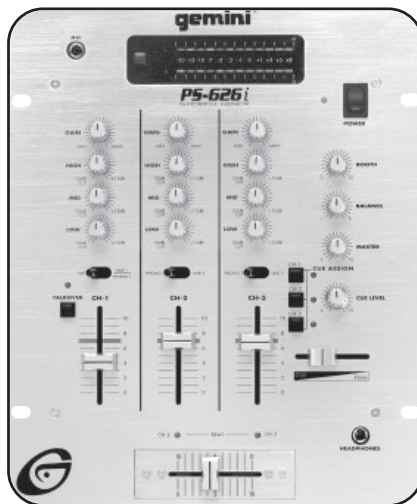




SERVICE MANUAL

PS-626i/PS-676i

Stereo Preamp Mixer's



CONTENT'S:

Connections & Operations:.....	Page 2-4
Specifications:.....	Page 5
Parts Lists:.....	Page 6-8
PCBs:.....	Page 7-9
Schematics.....	Page 10

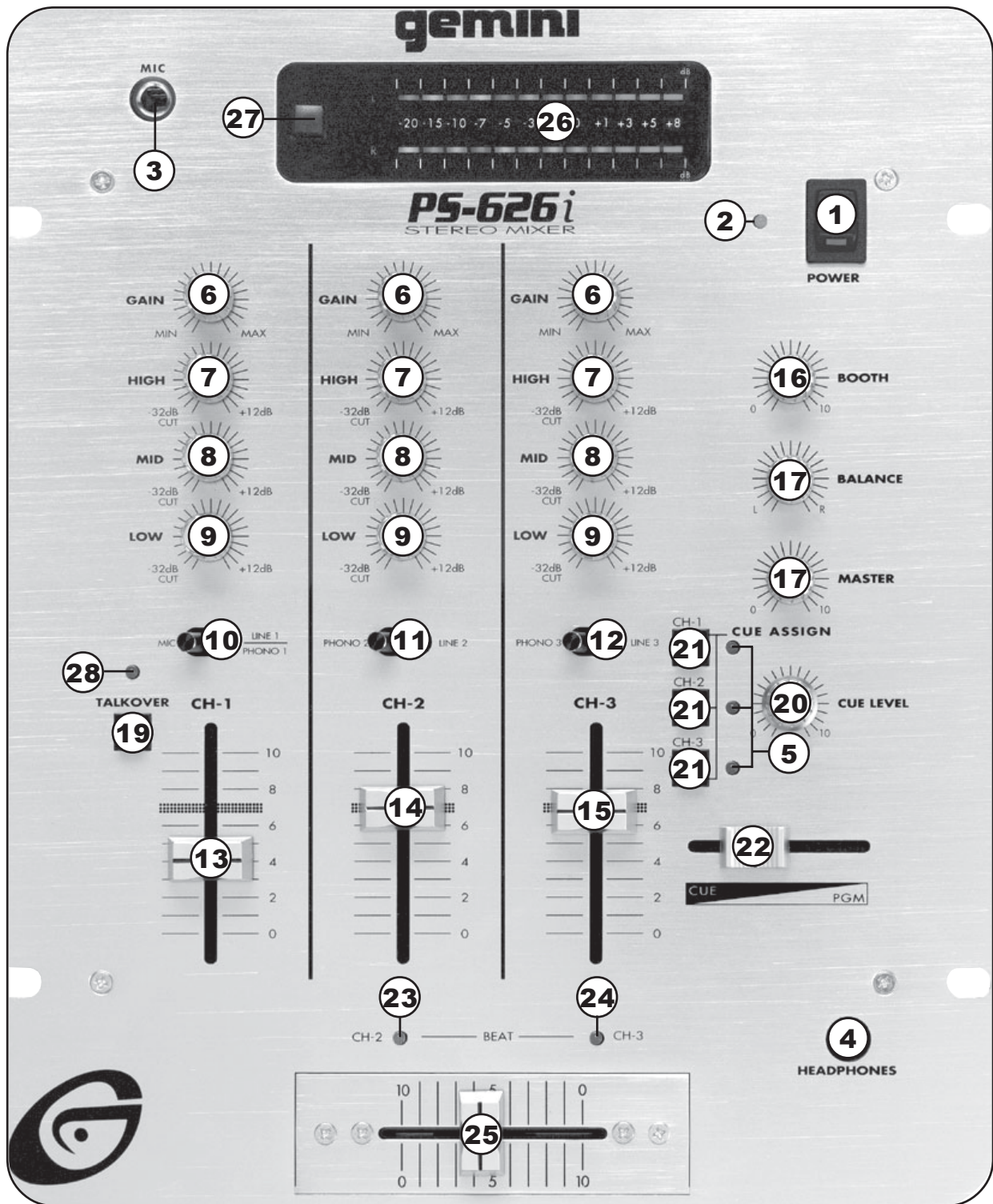


Gemini Sound Products Corp.

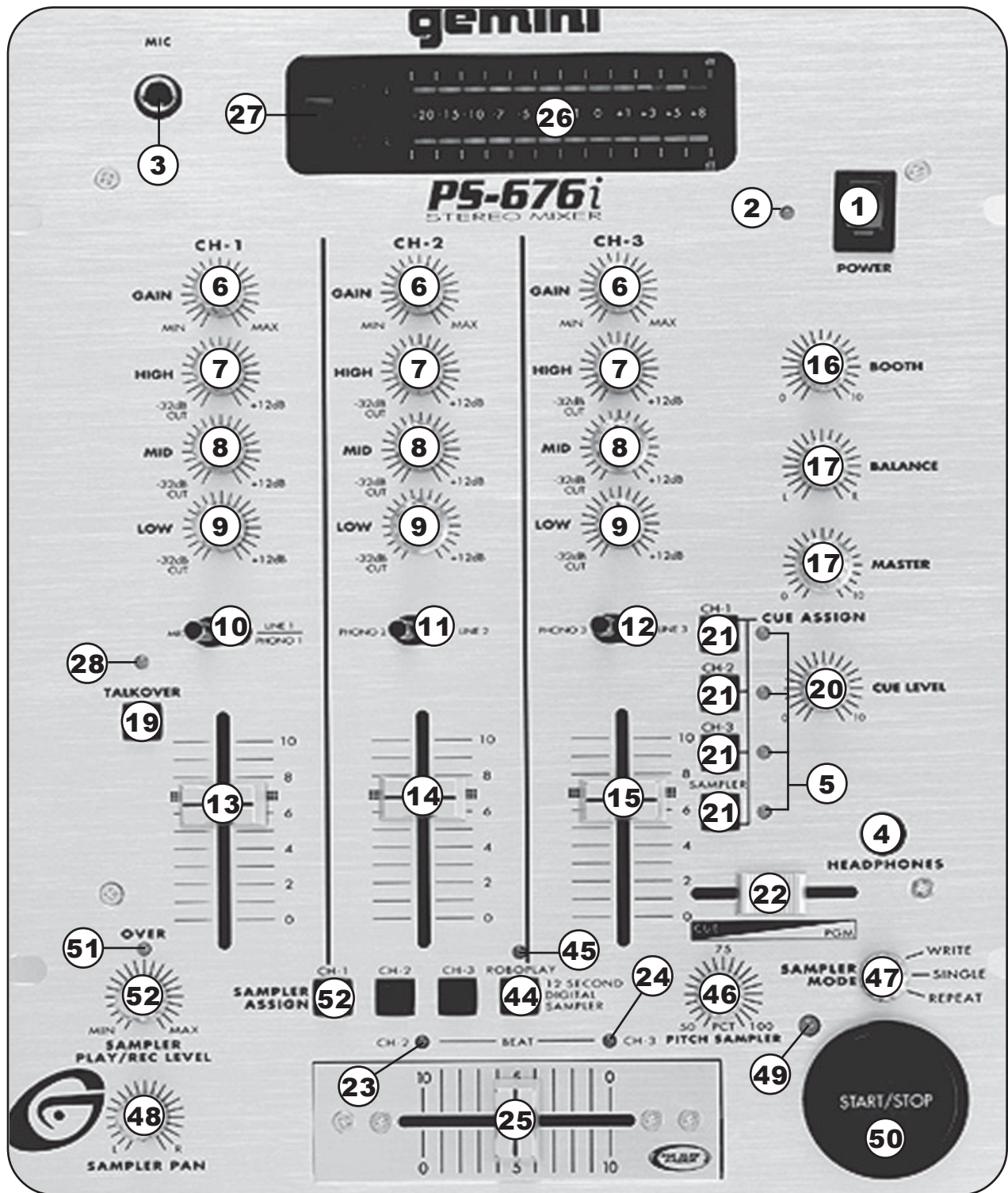
120 Clover Place P.O. Box 6928

Edison, NJ 08818-6928

732-738-9003 (Phone) • 732-738-9006 (Fax)



PS-626i



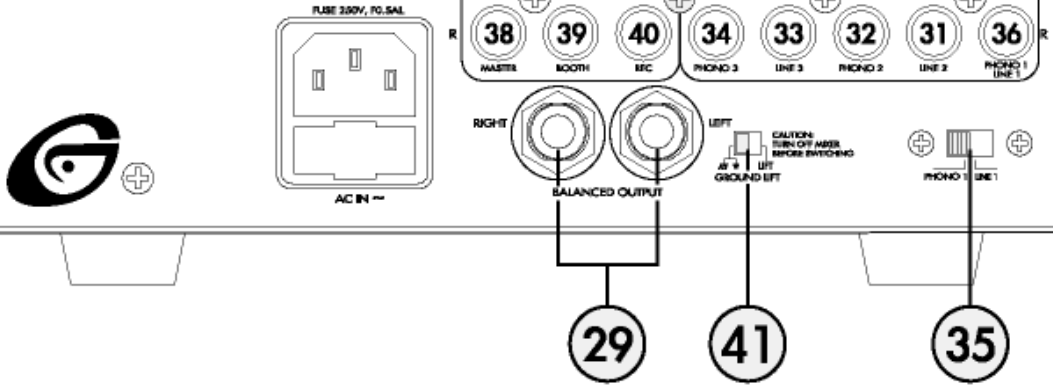
PS-676i

MODEL NO. PS-4361
 POWER SUPPLY 115/230V ~ 60/50Hz
 POWER CONSUMPTION 20W

CAUTION: TO REDUCE THE RISK OF FIRE,
 REPLACE ONLY WITH THE SAME
 TYPE AND RATING OF FUSE.
 ATTENTION: UTILISER UN FUSIBLE DE
 RENFORCE DE MEME TYPE.

CAUTION: DISCONNECT SUPPLY CORD
 BEFORE CHANGING FUSE.
 ATTENTION: DEBRANCHER LE CORD
 DE REMPLACEMENT DE MEME TYPE.

gemini®



INTRODUCTION:

Congratulations on purchasing a **GEMINI Platinum Series** model **PS-626i** or **PS-626i** Mixer. This state-of-the-art mixer is backed by a three year warranty, excluding crossfader and channel slides. Prior to use, we suggest that you carefully read all the instructions.

FEATURES:

- Cut Feature for Low, Mid and High of each channel
- 3 Stereo channels (3 Phono, 3 Line and 1 Mic)
- 1/4" DJ Mic jack
- Low, Mid, High and Gain controls on each channel
- Beat indicators
- Master, Booth and Record outputs
- Dual mode display (Left & Right output or Channel 2 and Channel 3)
- Push button cueing with Cue/Program pan control
- Digital sampler (PS-676i only)

CAUTIONS:

1. All operating instructions should be read before using this equipment.
2. To reduce the risk of electrical shock, do not open the unit. There are **NO USER REPLACEABLE PARTS INSIDE**. Please refer servicing to a qualified **GEMINI Sound Products** service technician.

In the USA: if you experience problems with this unit, please call 1 (732) 738-9003 for GEMINI Customer Service. Do not attempt to return this equipment to your dealer.

3. Do not expose this unit to direct sunlight or to a heat source such as a radiator or stove.
4. This unit should be cleaned only with a damp cloth. Avoid solvents or other cleaning detergents.
5. When moving this equipment, it should be placed in its original carton and packaging. This will reduce the risk of damage during transit.
6. **DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**
7. **DO NOT USE ANY SPRAY CLEANER OR LUBRICANT ON ANY CONTROLS OR SWITCHES.**

CONNECTIONS:

1. Before plugging in the power cord, make sure that the **VOLTAGE SELECTOR (30)** switch is set to the correct voltage.

NOTE: THIS PRODUCT IS DOUBLE INSULATED AND IS NOT INTENDED TO BE GROUNDED.

2. Make sure that the **POWER (1)** switch is in the off position. The **POWER LED (2)** will be off.
3. The **PS-626i** and **PS-676i** are supplied with four (4) sets of output jacks.
 - The 1/4" **BALANCED OUTPUT (29)** jacks are used to connect to your main amplifier using standard balanced cables. We recommend using balanced amp outputs if the cables to your amplifier are 25 feet or more.
 - The **MAIN OUTPUT (38) (RCA type)** jacks are unbalanced and used to connect to your main amplifier.
 - The **REC OUTPUT (40) (RCA type)** jacks can be used to connect the mixer to the record input of your recorder enabling you to record your mix.
 - The **BOOTH OUTPUT (39) (RCA type)** jacks allow you to hook up an additional amplifier.

4. On the rear panel are 2 stereo **PHONO (32, 34)** inputs, 2 stereo **LINE (31, 33)** inputs and 1 stereo **PHONO/LINE (36)** input. The **PHONO/LINE (35)** switch enables you to set the input to **Phono/ Line (36)**. The phono inputs will accept only turntables with a magnetic cartridge. A **GROUND (37)** screw to ground your turntables is located on the rear panel. The stereo line inputs will accept any line level input such as a CD player, a cassette player, etc.
6. Headphones can be plugged into the front panel mounted **HEADPHONE (4)** jack.

THE GROUND LIFT SWITCH:

Depending on your system configuration, applying the ground sometimes creates a quieter signal path. Sometimes "lifting" the ground eliminates loops and hum to create a quieter signal path.

1. Listen to the system with the unit ON, without music, and with the ground "applied". **GROUND LIFT SWITCH (41)** should be to the left.
2. Turn power OFF before moving the **GROUND LIFT SWITCH (41)**.
3. Now, "lift" the ground by moving the **GROUND LIFT SWITCH (41)** to the right. Turn the power back ON and listen to determine which position provides a signal free of background noise and hum.

NOTE: KEEP GROUND LIFT IN THE GROUND "APPLIED" OR LEFT POSITION IF NOISE LEVEL REMAINS THE SAME IN EITHER POSITION.

CAUTION: DO NOT TERMINATE THE AC GROUND ON THE POWER CABLE. TERMINATION OF THE AC GROUND CAN BE HAZARDOUS.

OPERATION:

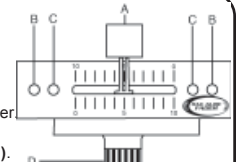
1. **POWER ON:** Once you have made all the equipment connections to your mixer, press the **POWER SWITCH (1)**. The power will turn on and the **POWER LED (2)** will glow RED.
2. **CHANNEL 1:** The **GAIN (6)**, **HIGH (7)**, **MID (8)**, and **LOW (9)**. Controls allows you to fully adjust the selected source. Switch (10) allows you to select either the mic or the **PHONO/LINE (36)** input. The **CHANNEL (13)** slide controls the output level of this channel.
3. **MAIN CHANNEL SECTION:** To assign an input source to a channel, first set the **PHONO/LINE (11,12)** switches to their appropriate positions. To make the proper adjustments to your music, set the **GAIN (6)**, **HIGH (7)**, **MID (8)** and **LOW (9)** controls and position the **CHANNEL (14,15)** slide.

PLEASE NOTE: THERE IS LOW, MID AND HIGH EQUALIZATION FOR EACH CHANNEL WITH AN EXTREMELY WIDE RANGE OF ADJUSTMENT.

SUGGESTION: YOU CAN USE THE CUT FEATURES ON EACH CHANNEL TO REMOVE LOW, MID AND/OR HIGH RANGE TO CREATE SPECIAL EFFECTS.

The **CROSSFADER** in your unit is removable and, should the need arise, can easily be replaced by following these instructions. Note: **GEMINI** replacement **Crossfaders** are available in three varieties: the **RG-45 PRO (RAIL GLIDE™) Dual-Rail Crossfader**; the **RF-45**, which has a 45mm travel from side-to-side; and the **PSF-45**, which features a special "curve" designed for scratch mixing.

1. Unscrew the outside **FADER PLATE SCREWS (B)**.
 - Do not touch **INSIDE SCREWS (C)**.
2. Carefully remove old **Crossfader** and unplug **CABLE (D)**.
3. Plug new **Crossfader** into **CABLE (D)** and place back into mixer.
4. Screw **Crossfader** to mixer with **FADER PLATE SCREWS (B)**.



◆ Your GEMINI mixer comes with an **RG-45 PRO (RAIL GLIDE™) DUAL-RAIL CROSSFADER**. Rail Glide™ Crossfaders have internal dual stainless steel rails that allow the slider to ride smoothly and accurately from end to end.

4. **CROSSFADER SECTION:** The **CROSSFADER (25)** allows the mixing of one source into another. The left side of the **CROSSFADER (25)** is channel 2 and the right side is channel 3.
5. **BEAT INDICATORS:** Each side of the **CROSSFADER (25)** has its own **BEAT INDICATOR (23, 24)**. They flash at the low frequency peak level allowing you to match the beats visually. **BEAT INDICATOR (23)** will reflect the beat of CH2 and **BEAT INDICATOR (24)** will do the same for CH3.
6. **OUTPUT CONTROL SECTION:** The level of the **AMP OUT (38)** is controlled by the **MASTER (18)** control. The **BALANCE (17)** control will allow the Amp Out signal to be balanced between the left and right speakers. The **BOOTH (16)** control adjusts the level of the **BOOTH OUTPUT (39)**.

HINT: BOOTH OUTPUT (39) IS USED BY SOME DJS TO RUN MONITOR SPEAKERS IN THE DJ BOOTH. YOU CAN ALSO USE IT AS A SECOND ZONE OR AMP OUTPUT.

NOTE: THE RECORD OUT (40) HAS NO LEVEL CONTROL. THE LEVEL IS SET BY THE CHANNEL SLIDES AND THE GAIN CONTROLS OF THE SELECTED CHANNEL. TONAL QUALITIES ARE SET BY THE LOW, MID AND HIGH CONTROLS OF THAT SAME CHANNEL.

7. **TALKOVER SECTION:** The purpose of the **TALKOVER SECTION** is to allow the program playing to be muted so that the mic can be heard above the music. When the **TALKOVER (19)** button is pushed, the **TALKOVER INDICATOR (28)** will glow and the volume of all sources except the Mic or whatever is connected to the **PHONO/LINE (36)** input are reduced by 16 dB.
8. **CUE SECTION:** By connecting a set of headphones to the **HEADPHONE (4)** jack, you can monitor any or all of the channels. Select the correct **CUE (21)** button or buttons and their respective **CUE LED (5)** indicators will glow. Use the **CUE LEVEL (20)** control to adjust the headphone volume without effecting the overall mix. By sliding the **CUE PGM PAN (22)** control to the left you will be able to monitor the assigned cue signal. Sliding to the right will monitor the **PGM (program)** output.
9. **DISPLAY:** The peak hold, dual function **DISPLAY (26)** indicates either the **MASTER (38)** output left and right levels or the channel 2 and channel 3 levels. You can choose the option you want by pressing the **DISPLAY (27)** button.

NOTE: WHEN THE DISPLAY (27) IS IN THE CHANNEL 2/ CHANNEL 3 DISPLAY MODE, BY ADJUSTING THE INDIVIDUAL CHANNEL GAIN AND TONE CONTROLS, YOU CAN INCREASE OR DECREASE THE SIGNAL TO MATCH THE OTHER CHANNEL'S SIGNAL. THE CHANNEL SLIDES AND CROSSFADER HAVE NO EFFECT ON THE DISPLAY READINGS.

10. The **CROSSFADER CURVE SWITCH (42)** allows you to adjust the kind of curve the crossfader has. Move switch to the "sharp" position to make the curve steep and cutting (perfect for scratching). Move switch to the "gradual" position to make the curve gradual and gentle. The **CROSSFADER REVERSE SWITCH (43)** allows you to reverse the crossfader so that **CHANNEL 3** is controlled by the left side of the crossfader and **CHANNEL 2** is controlled by the right side of the crossfader.

NOTE: WHEN THE CROSSFADER REVERSE SWITCH (43) IS ACTIVATED, ONLY THE CROSSFADER REVERSES. THE CHANNEL SLIDES, GAIN, AND TONAL CONTROLS DO NOT REVERSE.

SAMPLER OPERATION (PS-676i only):

The **PS-676i** Sampler uses Dynamic RAM Memory and a 12 bit microprocessor controller. The full bandwidth results in true sound reproduction.

RECORD SAMPLE:

1. Put the **MODE SELECTOR (45)** switch into the WRITE position.
2. Select the source you want to sample from by pressing the appropriate **ASSIGN BUTTON(51)**.
3. The **PS-676i** is equipped with a **SAMPLER REC/PLAY LEVEL (50)** control. When the **MODE SELECTOR (45)** is in the WRITE mode, this control acts as a record level control. If the **OVERLOAD INDICATOR (49)** is blinking, it means that the input signal you are going to sample is too strong and will cause the sample to be distorted. Lower the sample signal intensity by tuning the **SAMPLER REC/PLAY LEVEL (50)** control counterclockwise.
4. If the **OVERLOAD INDICATOR (49)** is off, turn the **SAMPLER REC/PLAY LEVEL (50)** control clockwise until the **OVERLOAD INDICATOR (49)** begins to blink and then turn the **SAMPLER REC/PLAY LEVEL (50)** counter clockwise until the **OVERLOAD INDICATOR (49)** just goes off.
5. Tapping the **START/STOP (48)** button begins the sampling process (the **SAMPLER INDICATOR (47)** will illuminate RED). Tapping the **START/STOP (48)** button a second time ends the sample (the **SAMPLER INDICATOR (47)** will turn off). If you do not tap the **START/STOP (48)** button a second time, the sampling process will stop automatically after 12 seconds.

SAMPLE PLAYBACK:

1. Put the **MODE SELECTOR (45)** switch into the SINGLE or REPEAT position.
2. When the **MODE SELECTOR (45)** is in the SINGLE or REPEAT mode, the **SAMPLER REC/PLAY LEVEL (50)** control acts as a Sampler Level Control.
3. Tapping the **START/STOP (48)** button with the **MODE SELECTOR (45)** in the SINGLE position will cause the sampler to playback one time (the **SAMPLER INDICATOR (47)** will illuminate GREEN). Every push of the **START/STOP (48)** button will restart the sample from the beginning. Rapid pressing of the **START/STOP (48)** button will cause a stuttering effect. Once the sample has started playback and the **START/STOP (48)** button is not pushed a second time, the sample will play to the end and then stop (the **SAMPLER INDICATOR (47)** will illuminate turn off).
4. Tapping the **START/STOP (48)** button with the **MODE SELECTOR (45)** in the REPEAT position will cause the sample to continuously play over and over (the **SAMPLER INDICATOR (47)** will illuminate GREEN). The **START/STOP (48)** button will act as an on/off switch. The first push will start the sample, the second push will stop it.

ROBO PLAY:

1. With the **ROBO PLAY (42)** button in the OFF position (the **ROBO PLAY INDICATOR (43)** will be OFF) and the **MODE SELECTOR (45)** switch in either the SINGLE or REPEAT mode, pressing the **START/STOP (48)** will cause the sample to play along with the signal going through the mixer.
2. When the **ROBO PLAY (42)** button is in the ON position (the **ROBO PLAY INDICATOR (43)** illuminates RED), starting the sampler mutes the signal going through the mixer. When the sample ends, the signal automatically turns back on.

PITCH CONTROL:

The **PS-676i** comes equipped with a sampler **PITCH (44)** control. To adjust the tone of a sample, turn the knob to the left to slow the pitch and to the right to speed up the pitch after a sample has been recorded. The pitch can also be set while recording a sample.

PAN CONTROL:

SAMPLER PAN (46): This lets you hear the sample in either stereo mode or by turning **SAMPLER PAN (46)** to the left or right will change the range from the left channel to the right channel of sound, for the sample.

SPECIFICATIONS for PS-626i:

INPUTS:
 DJ Mic.....1.5mV 2 k unbalanced
 Phono @ 1 kHz.....2 mV 47 kΩ
 Line.....100 mV 27 kΩ

OUTPUTS:
 Amp/Booth.....0 dB 775mV 400 Ω
 Max.....24V Peak-to-Peak
 Rec.....225mV 5 kΩ

GENERAL:
 Bass+ 12dB/- 32 dB
 Mid+ 12dB/- 32 dB
 Treble+ 12dB/- 32 dB
 Gain (Mic).....0 to -40dB
 Gain (Chnls 1-3).....0 to -20dB
 Frequency Response.....20Hz - 20kHz +/- 2dB
 Distortion.....less than 0.02%
 S/N Ratio.....better than 80dB
 Talkover Attenuation.....16dB
 Power Source.....115/230V 50/60Hz 20W
 Dimensions.....254mmW x 305mmD x 112mmH
 10"W x 12"D x 4 7/16"H
 Weight.....6.5 lbs(3 Kg)

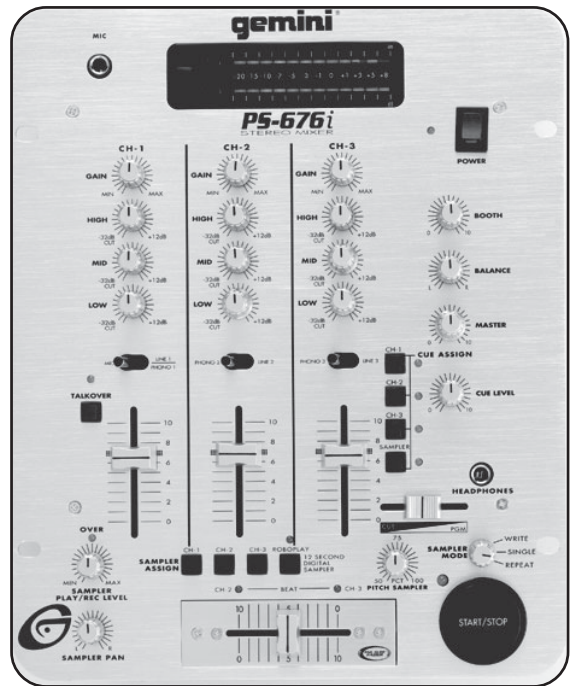
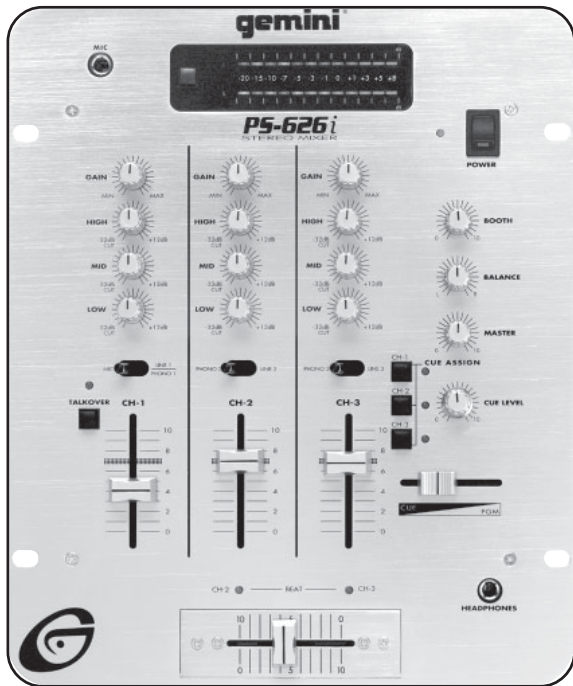
SPECIFICATIONS FOR PS-676i:

INPUTS:
 DJ Mic.....1.5mV 2 kΩ unbalanced
 Phono.....3mV 47 kΩ
 Line.....150 mV 27 kΩ

OUTPUTS:
 Amp/Booth.....0 dB 775mV 400 Ω
 Max.....24V Peak-to-Peak
 Rec.....225mV 5 kΩ

SAMPLER:
 Sampler System.....12 Bit Sampling
 Sample Length12 Seconds
 Total Memory Capacity1 Mbit

GENERAL:
 Low+ 12dB/- 32 dB
 Mid+ 12dB/- 32 dB
 High.....+ 12dB/- 32 dB
 Gain (Mic).....0 to -40dB
 Gain (Chnls 1-3).....0 to -20dB
 Frequency Response.....20Hz - 20kHz +/- 2dB
 Distortion.....less than 0.02%
 S/N Ratio.....better than 80dB
 Talkover Attenuation.....16dB
 Power Source.....115/230V 50/60Hz 15W
 Dimensions.....254mmW x 305mmD x 112mmH
 10"W x 12"D x 4 7/16"H
 Weight.....6.5 lbs(3 Kg)



DISASSEMBLY PROCEDURES

1. Removal of Front Panel

- (a) Remove 20 knobs(A).(Fig. 1)
- (b) Remove 5 knobs(B).(Fig. 1)
- (c) Remove 4 screws(C).(Fig. 1)
- (d) Remove 2 screws(D).(Fig. 1)

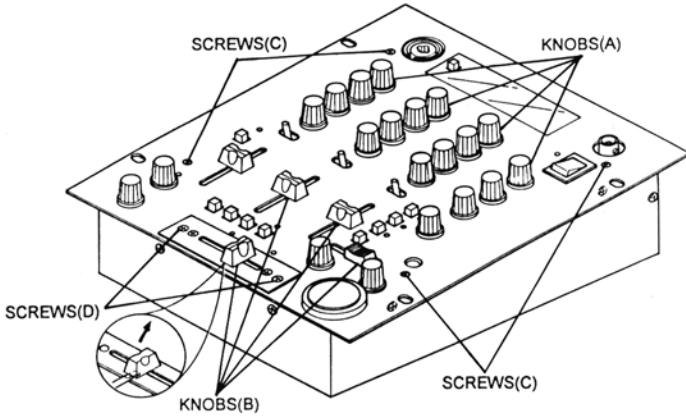


Fig. 1

2. Removal of Chasis and Top Cover

- (a) Remove 2 screws(E).(fig.2)
- (b) Remove 6 screw(F).(Fig.2(Fig.3))
- (c) Remove 4 screws(G).(Fig.3)
- (d) Remove 20 nuts(H).(Fig.3)
- (e) Remove 16 screws(I).(Fig.4)
- (f) Remove 2 screws(J).(Fig.4)
- (g) Remove 6 screws(K).(Fig.4)
- (h) Remove 1 nut(L).(Fig.4)

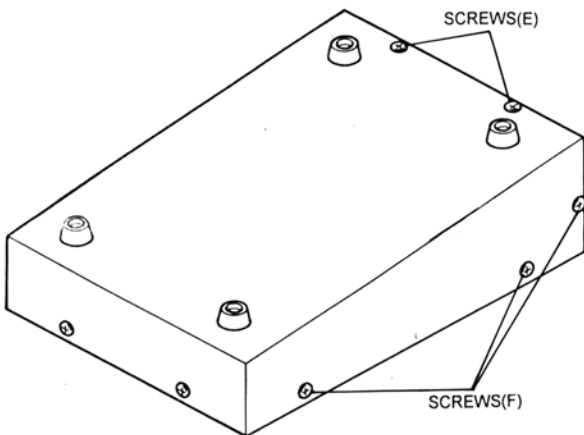


Fig. 2

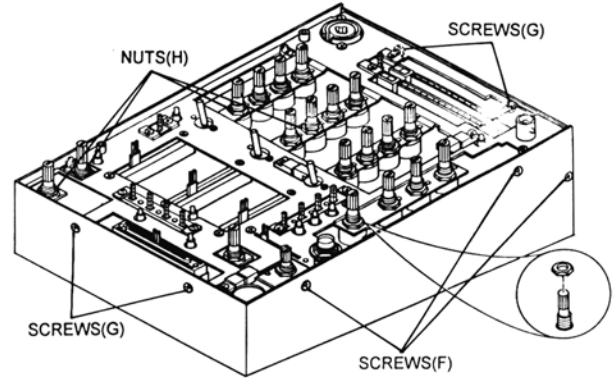


Fig. 3

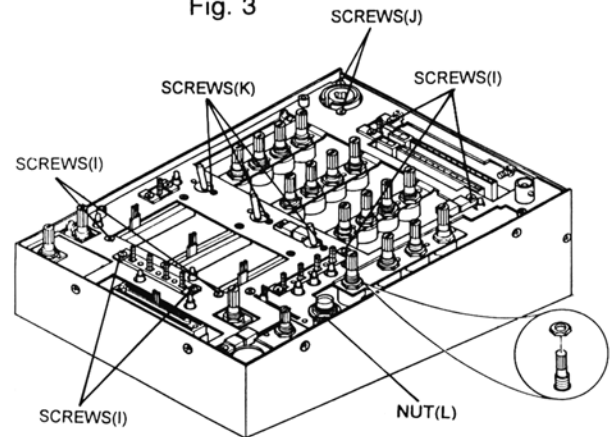


Fig. 4

3. Removal of Rear Panel and Other

- (a) Removal of Sample P.C.B.(Fig.5,PS-676 PRO Only)
Press 3 supports(M).
- (b) Removal of IN / OUT P.C.B.(Fig.5)
Remove 4 screws(N).
- (c) Removal of Transformer(Fig.5)
Remove 2 screws(O).
- (d) Removal of Ligth / Phone(Fig.5)
Remove 2 screws(P).
- (e) Removal of Voltage Selector(Fig.5)
Remove 2 screws(Q).

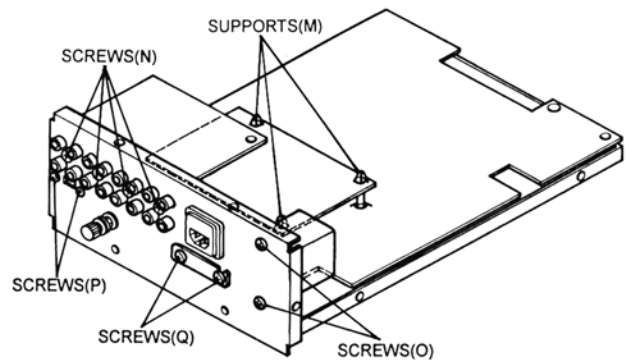
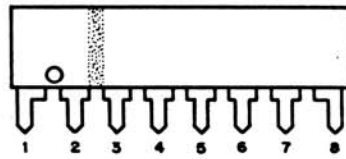


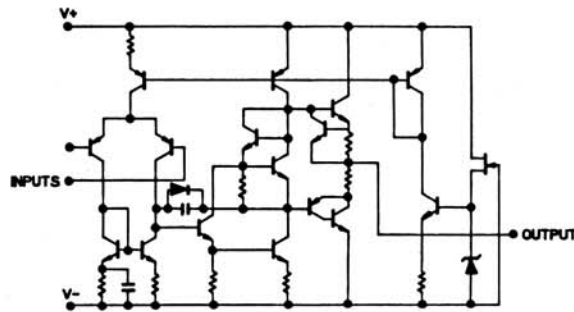
Fig. 5

INTERNAL DIAGRAMS AND PINOUT OF INTEGRATED CIRCUITS

NJM4556L

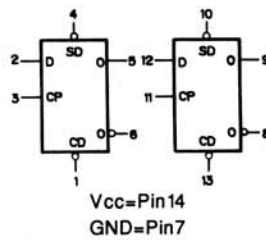


- PIN FUNCTION**
1. A OUTPUT
 2. A- INPUT
 3. A+ INPUT
 4. V-
 5. B+ INPUT
 6. B- INPUT
 7. B OUTPUT
 8. V+

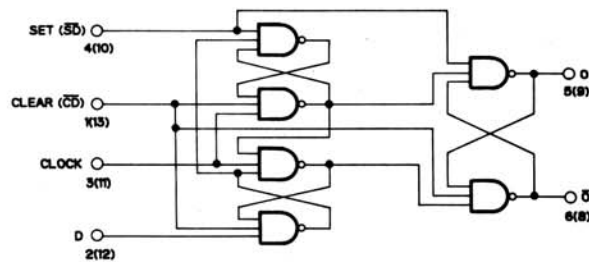


SN4/74LS74A

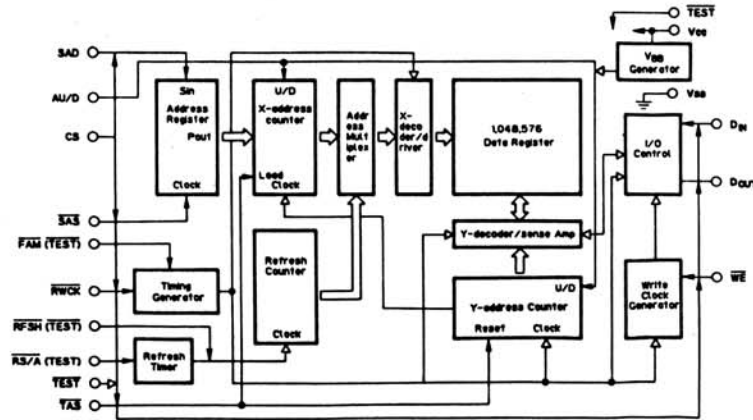
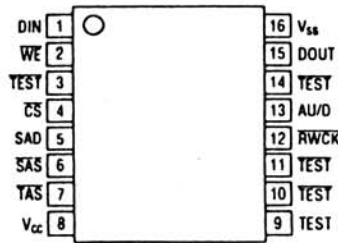
LOGIC SYMBOL



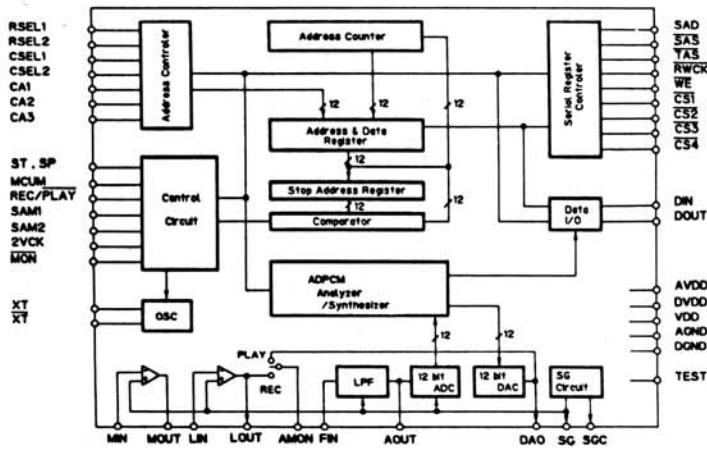
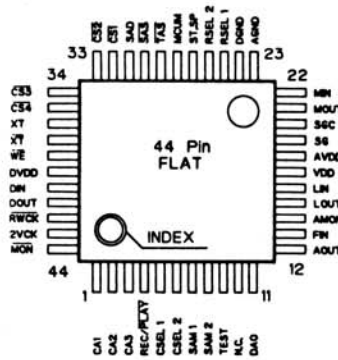
LOGIC DIAGRAM (EACH FLIP-FLOP)



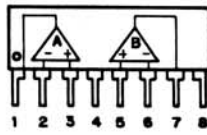
MSM6389RS



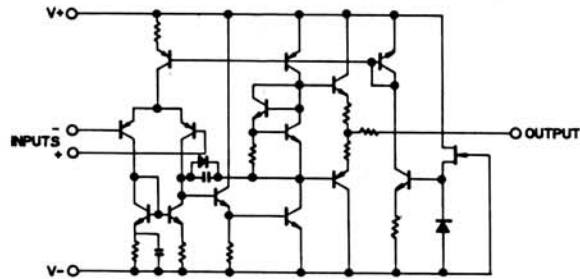
MSM6388GS-VIK



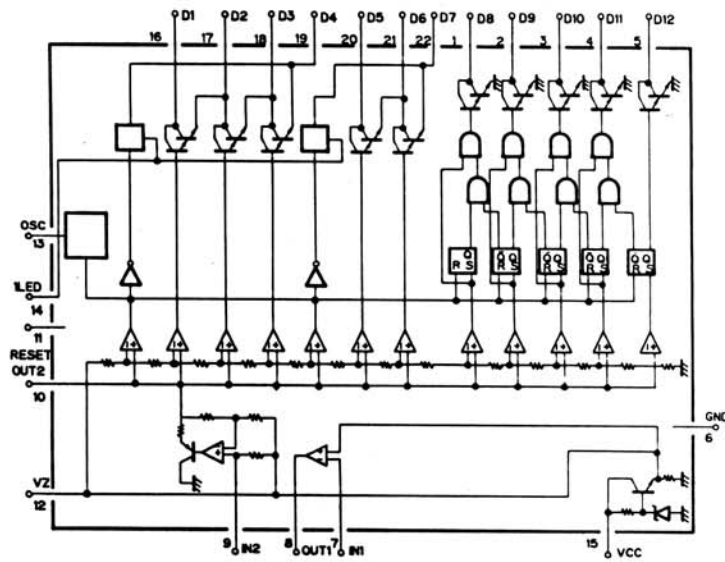
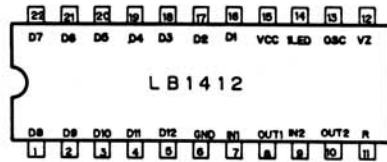
NJM4558



- PIN FUNCTION**
1. A OUTPUT
 2. A- INPUT
 3. A+ INPUT
 4. V-
 5. B+ INPUT
 6. B- INPUT
 7. B OUTPUT
 8. V+



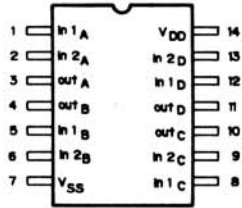
LB1412



MC1470B/14077B

NJM78M00

PIN ASSIGNMENT

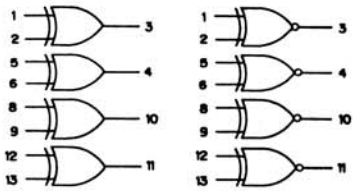


- 1. OUT
- 2. GND
- 3. IN

(TO-220F)



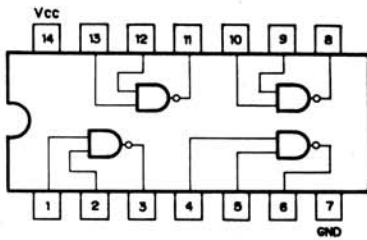
MC1470B Quad Exclusive OR Gate
 MC14070B Quad Exclusive OR Gate



V_{DD} = Pin 14
 V_{SS} = Pin 7
 (Both Devices)

SN474LS00

NJM79M00



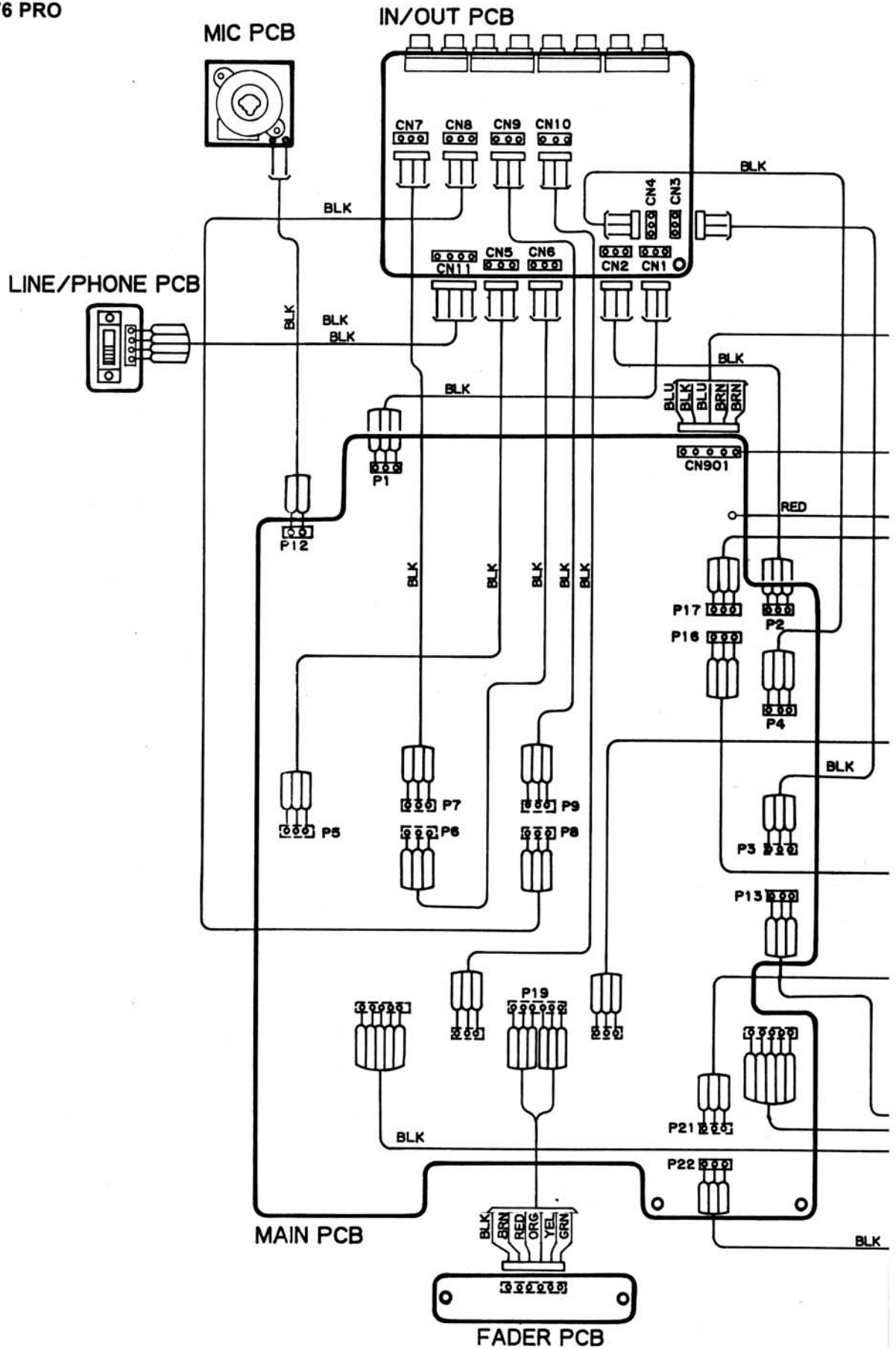
- 1. OUT
- 2. IN
- 3. COMMON

(TO-220F)

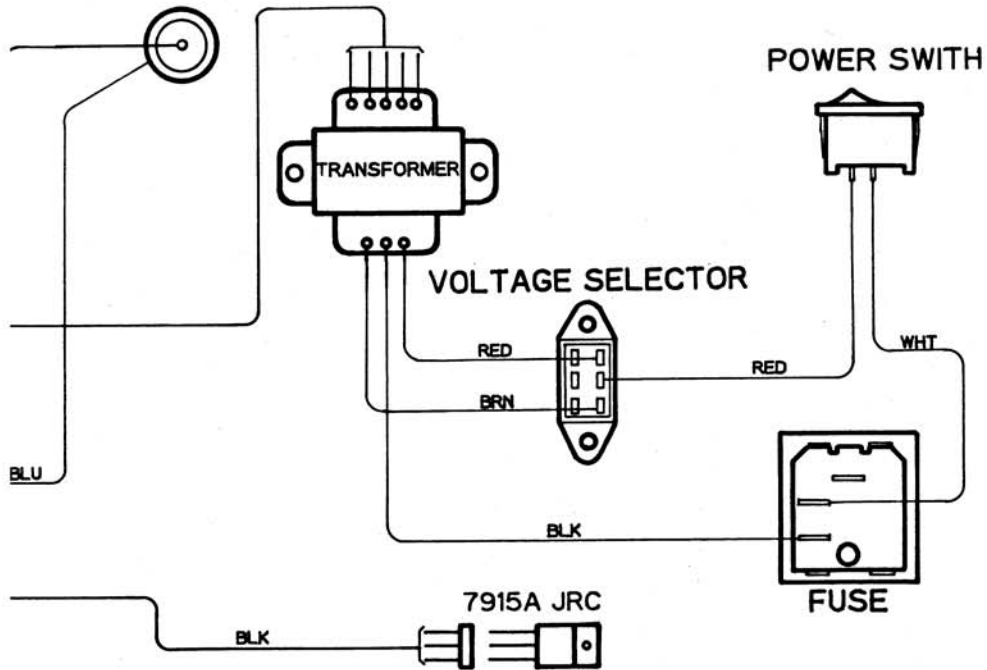


WIRING DIAGRAM

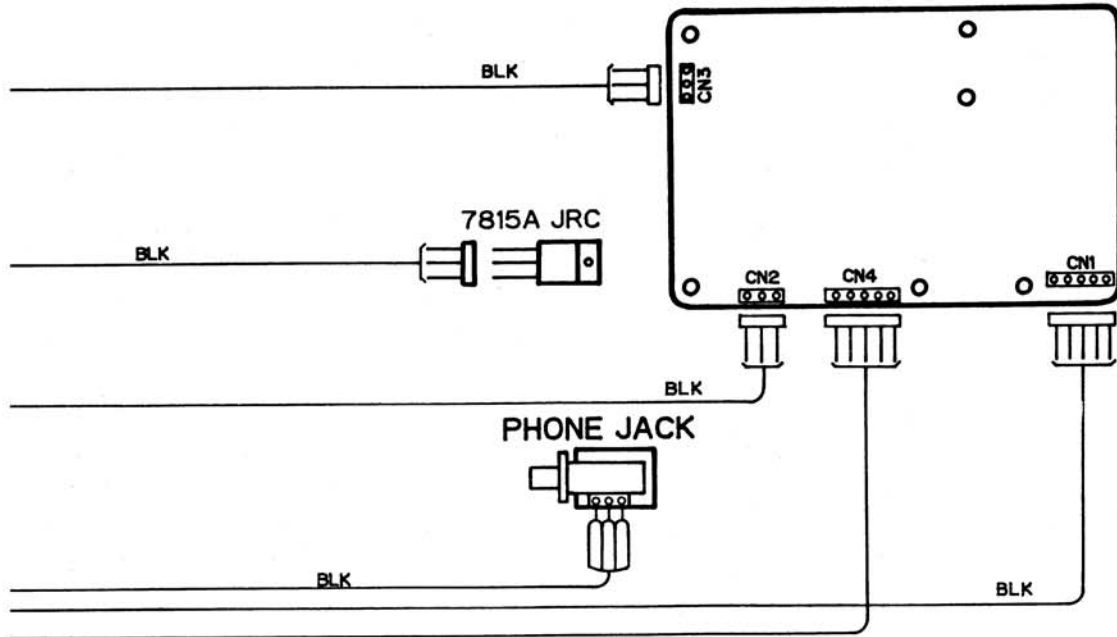
PS-626 PRO / PS-676 PRO



BNC LIGHT JACK TRANSFORMER



SAMPLE PCB (PS-676 ONLY)

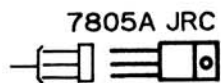


NOTE:

1. The actual colors of wires may differ from those of this diagram.

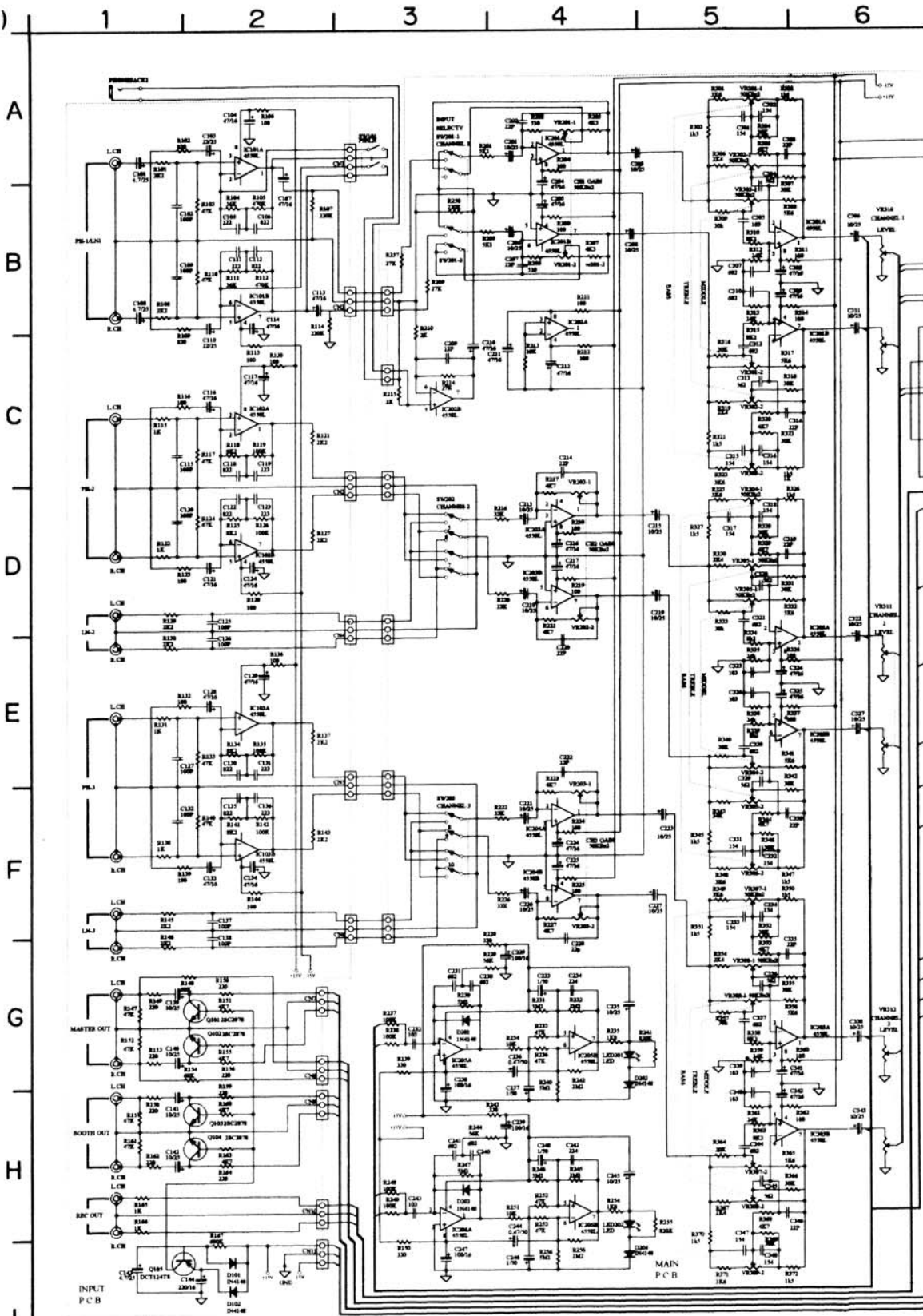
Wire colors are abbreviated as follows.

BRN..... Brown	YEL..... Yellow
VLT..... Violet	RED..... Red
GRN..... Green	GRY..... Gray
ORG..... Orange	BLU..... Blue
WHT..... White	BLK..... Black



SCHEMATIC DIAGRAM

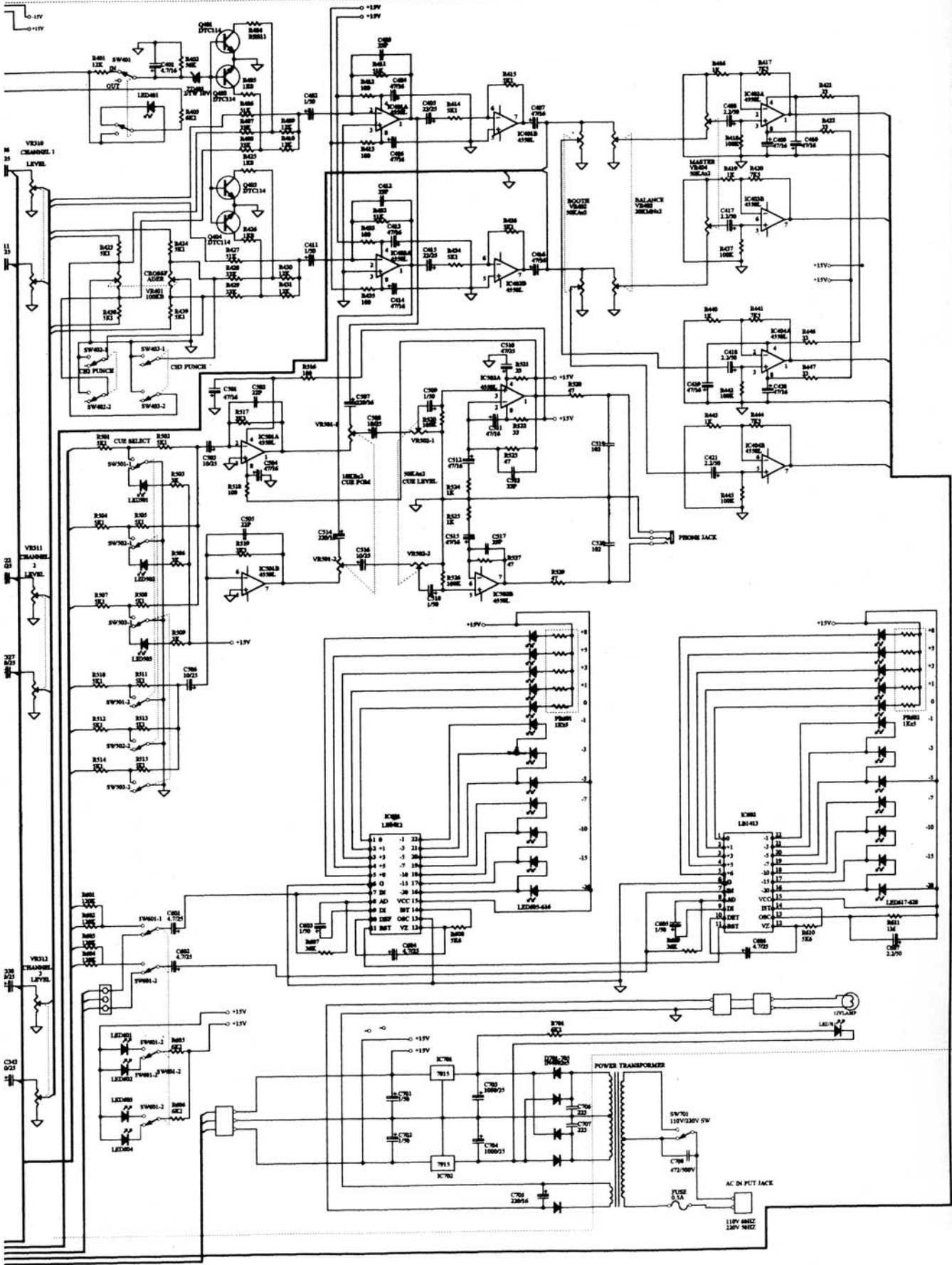
(PS-626 PRO)



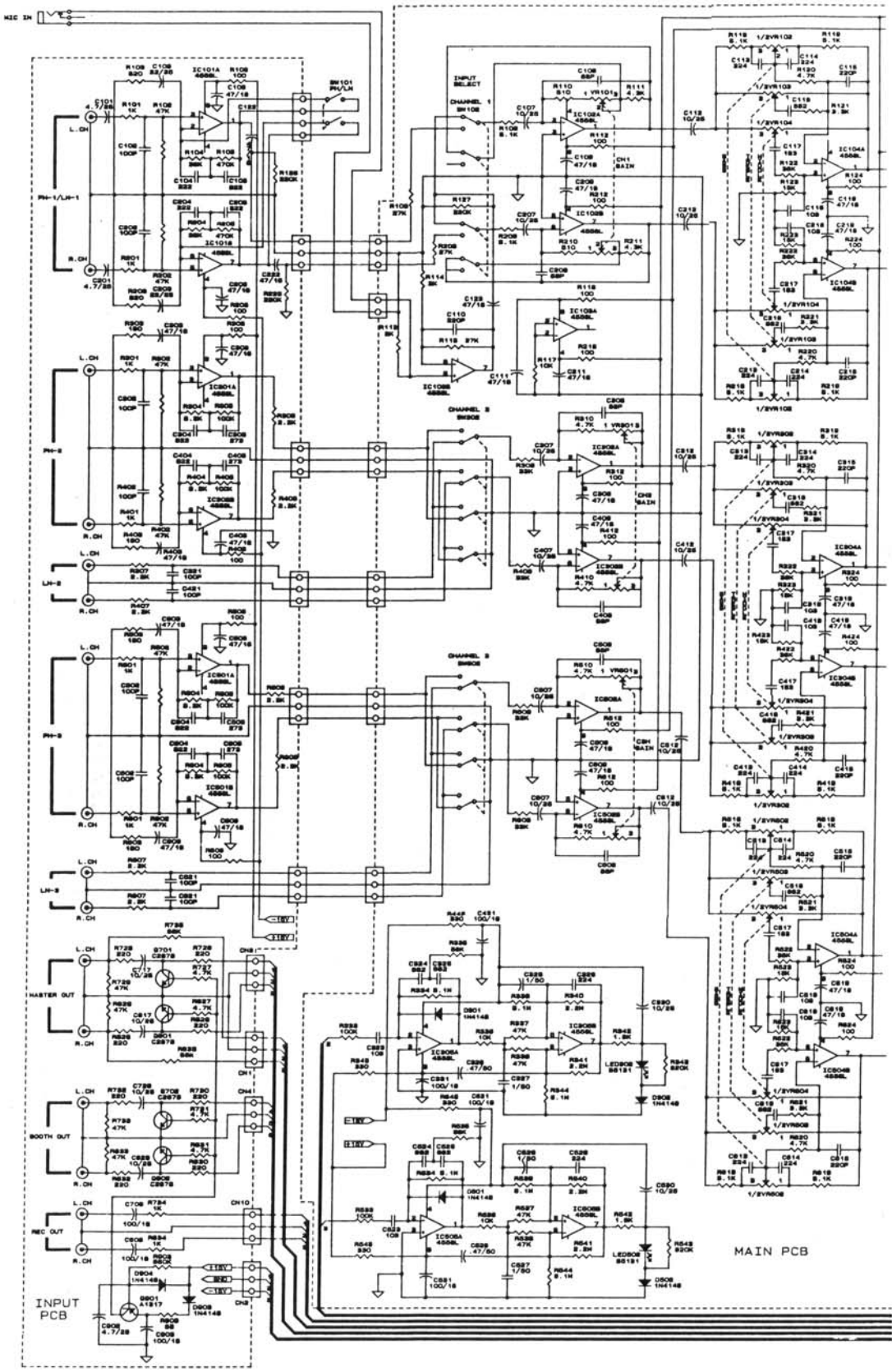
NOTES:
 1. C and R unit
 C No symbol: μF
 P symbol: μF
 Capacitor without voltage display has work voltage of 50Volts
 The NP is Nipolar Capacitor.

R No symbol: Ω
 K symbol: $\text{K}\Omega$
 M symbol: $\text{M}\Omega$
 Resistance not designated is 1/8W, J 05%
 2. Voltage for all parts are measured in terms of DC 1M Ω digital voltmeter.

3. All resistance values are in ohms, unless otherwise specified. 1K=1000
 4. All capacitance values are in farads, unless otherwise specified.
 $\mu=10^{-6}$ P=10⁻¹²



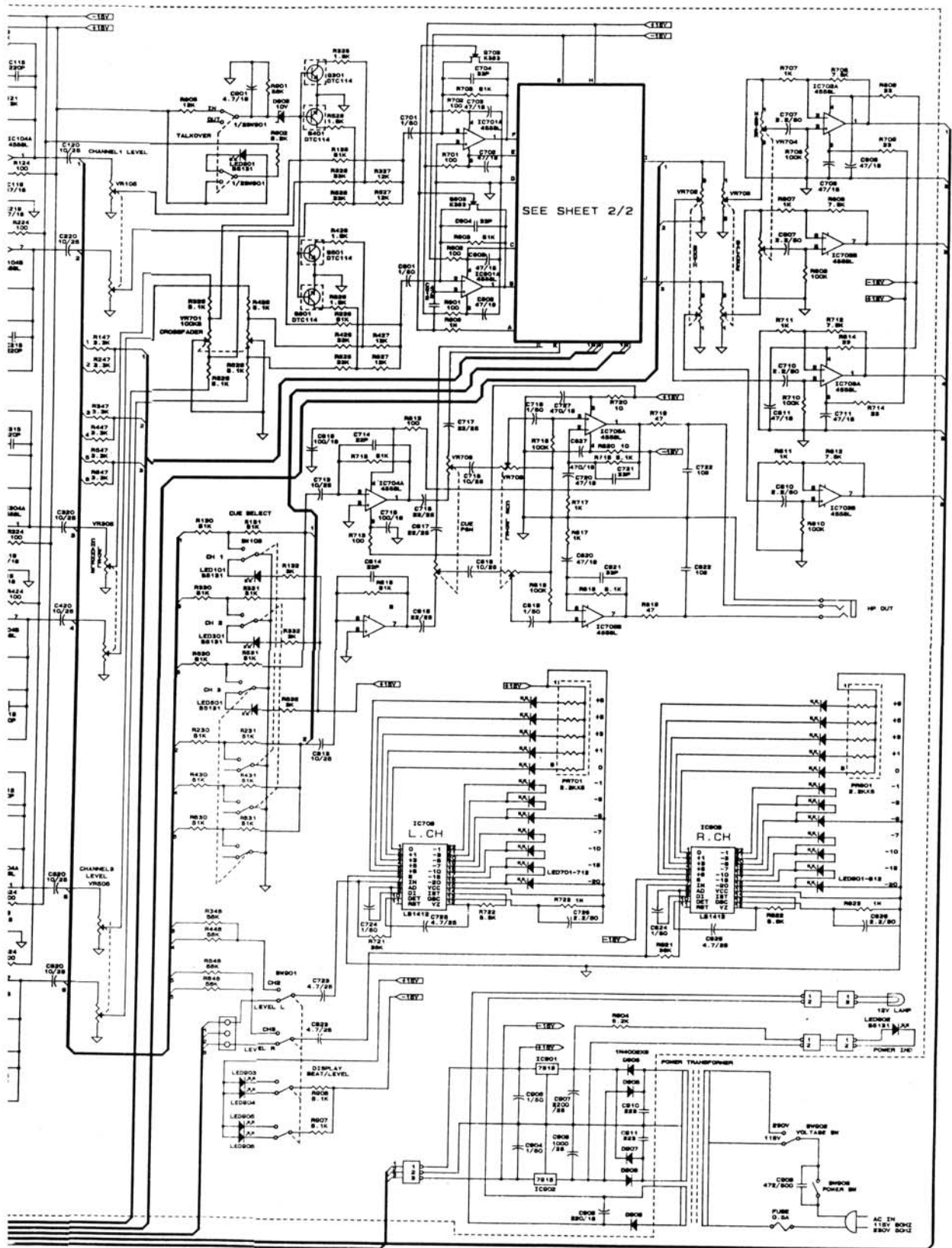
A
B
C
D
E
F
G
H
I

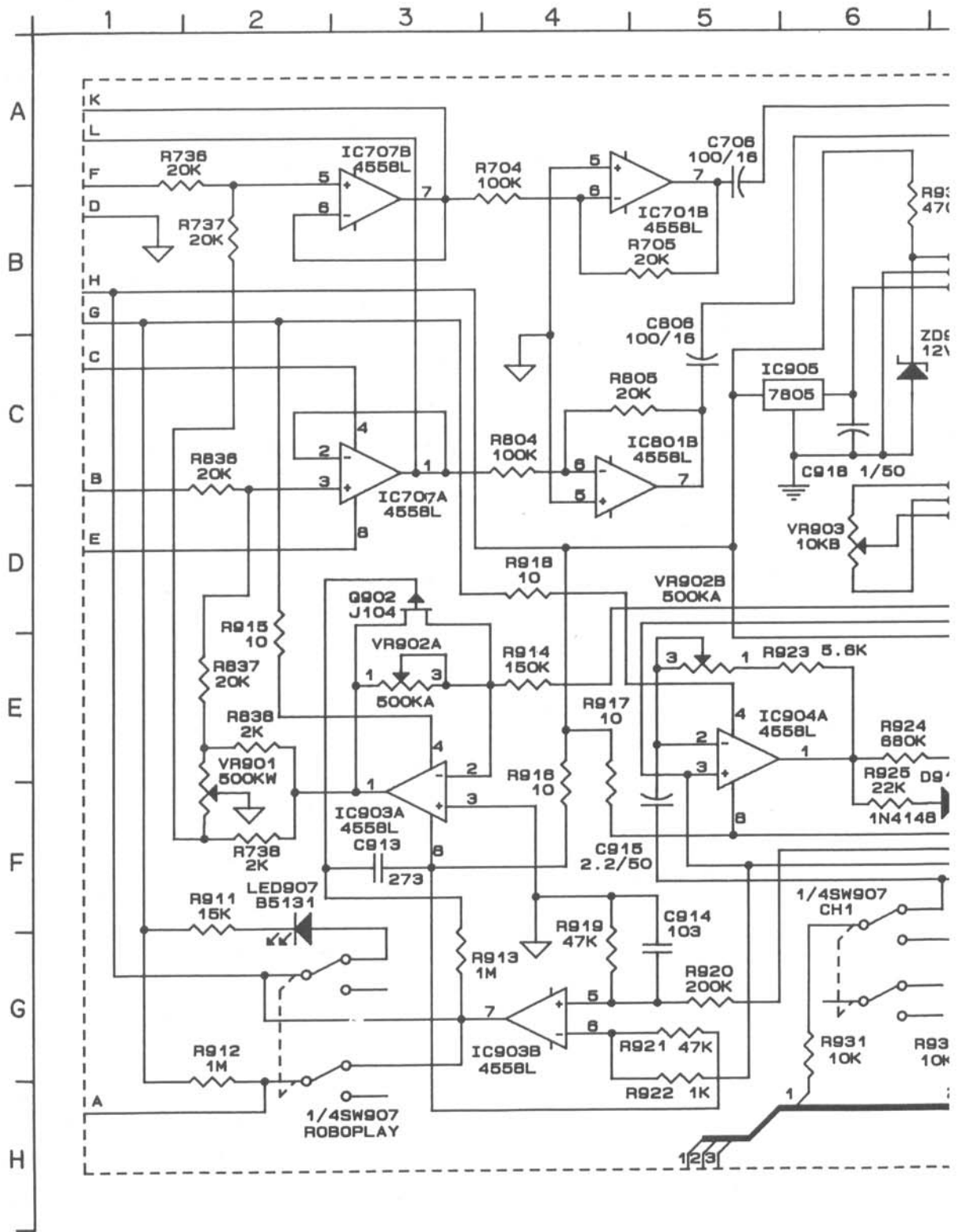


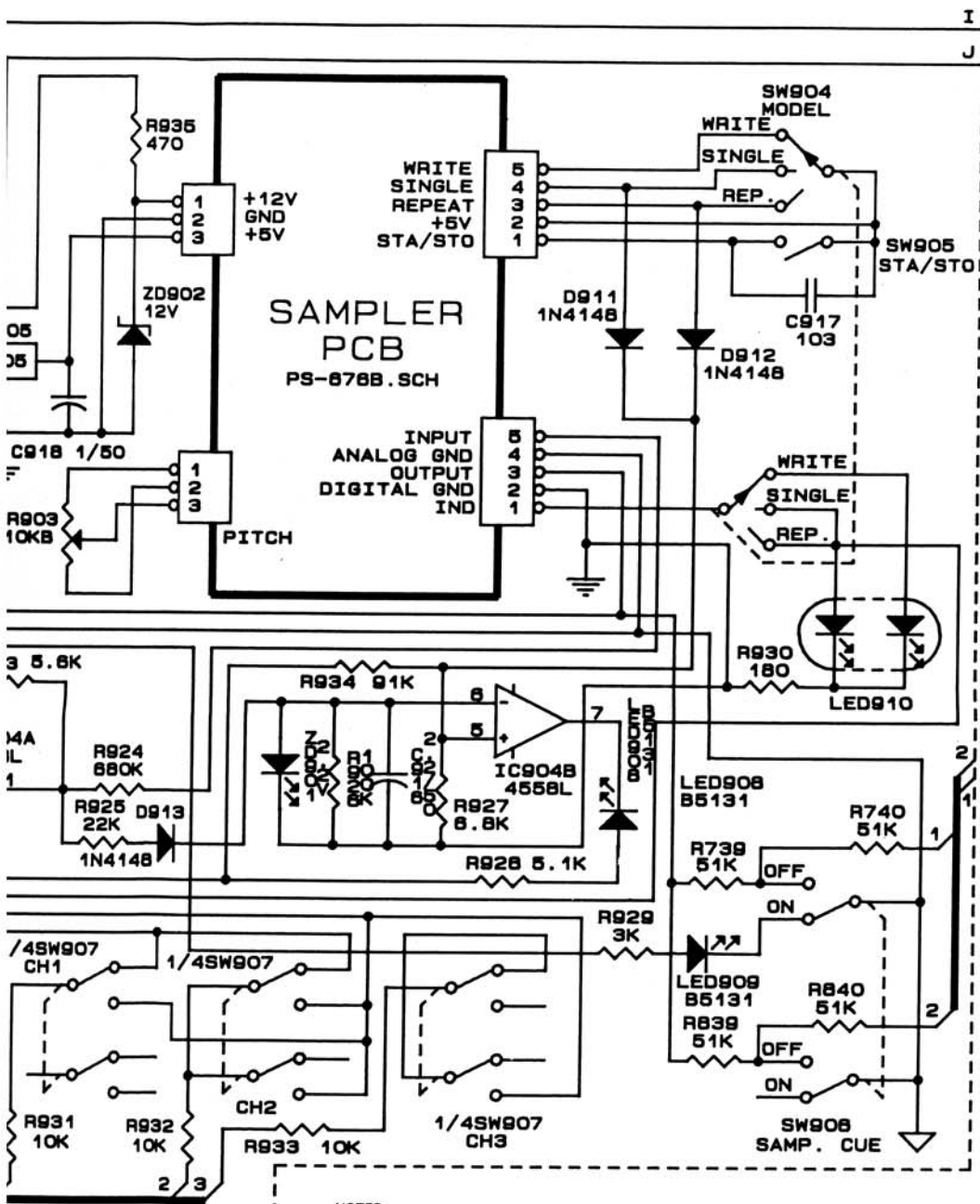
NOTES:
 1. C and R unit
 C No symbol: μ F
 P symbol: pF
 Capacitor without voltage display has work voltage of 50Volts
 The NP is Nonpolar Capacitor.

R No symbol: Ω
 K symbol: K Ω
 M symbol: M Ω
 Resistance not designated is 1/4 W J (\pm 5%)

2. Voltage for all parts are measured in terms of DC 1M Ω digital voltmeter.
 3. All resistance values are in ohms, unless otherwise specified. 1K=1000
 4. All capacitance values are in farads, unless otherwise specified.
 $\mu = 10^{-6}$ P=10⁻¹²







NOTES:

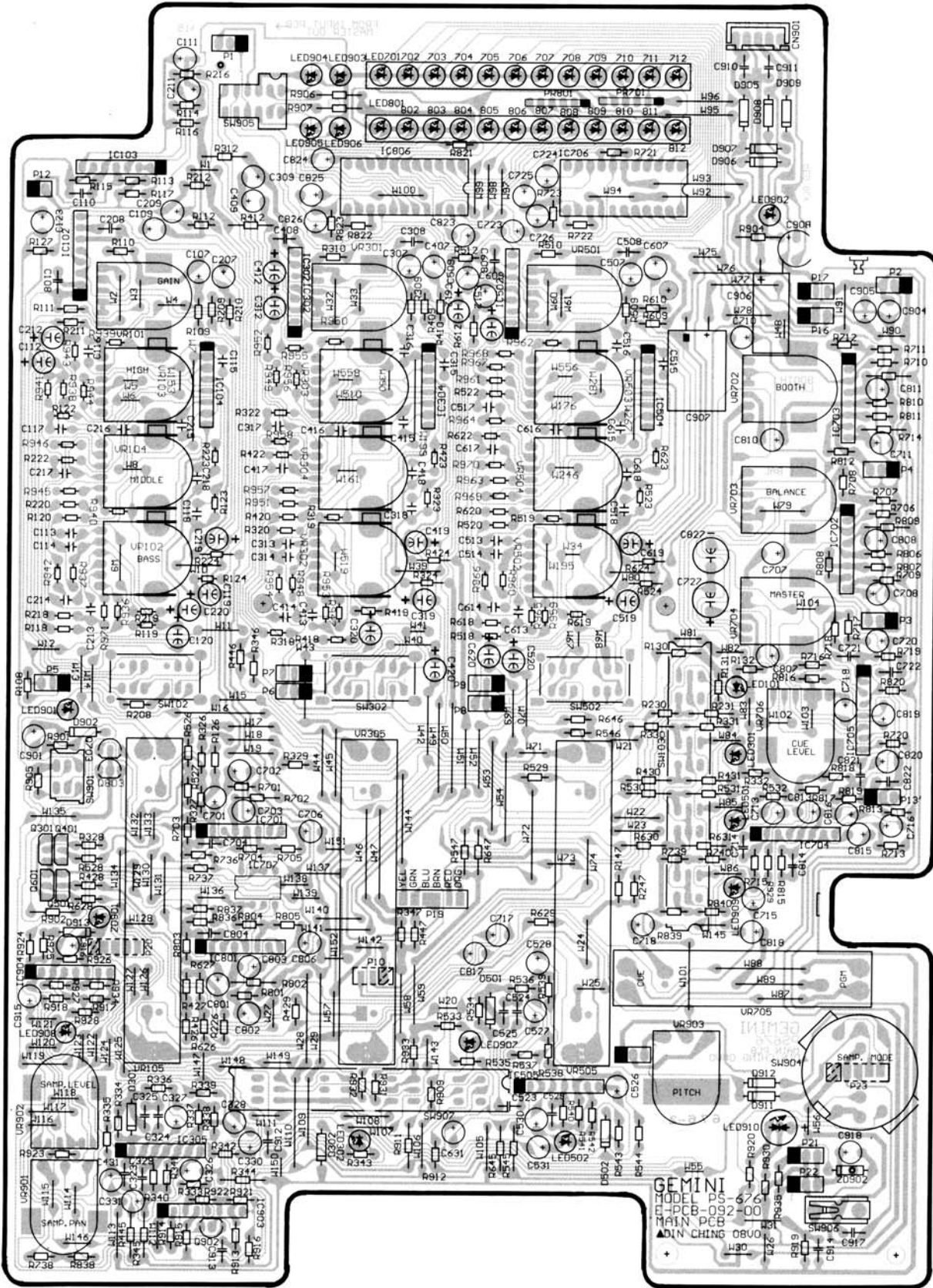
- 1. C and R unit
 C No symbol : μF
 P symbol : pF
 Capacitor without voltage display has work voltage of 50Volts
 The NP is Nonpolar Capacitor .
 R No symbol : Ω
 K symbol : $\text{K}\Omega$
 M symbol : $\text{M}\Omega$
 Resistance not designated is 1/4W.J ($\pm 5\%$)

- 2. Voltage for all parts are measured in terms of DC 1M Ω digital voltmeter.
- 3. All resistance values are in ohms, unless otherwise specified. 1K = 1000
- 4. All capacitance values are in farads, unless otherwise specified.
 $\mu = 10^{-6}$ $P = 10^{-12}$

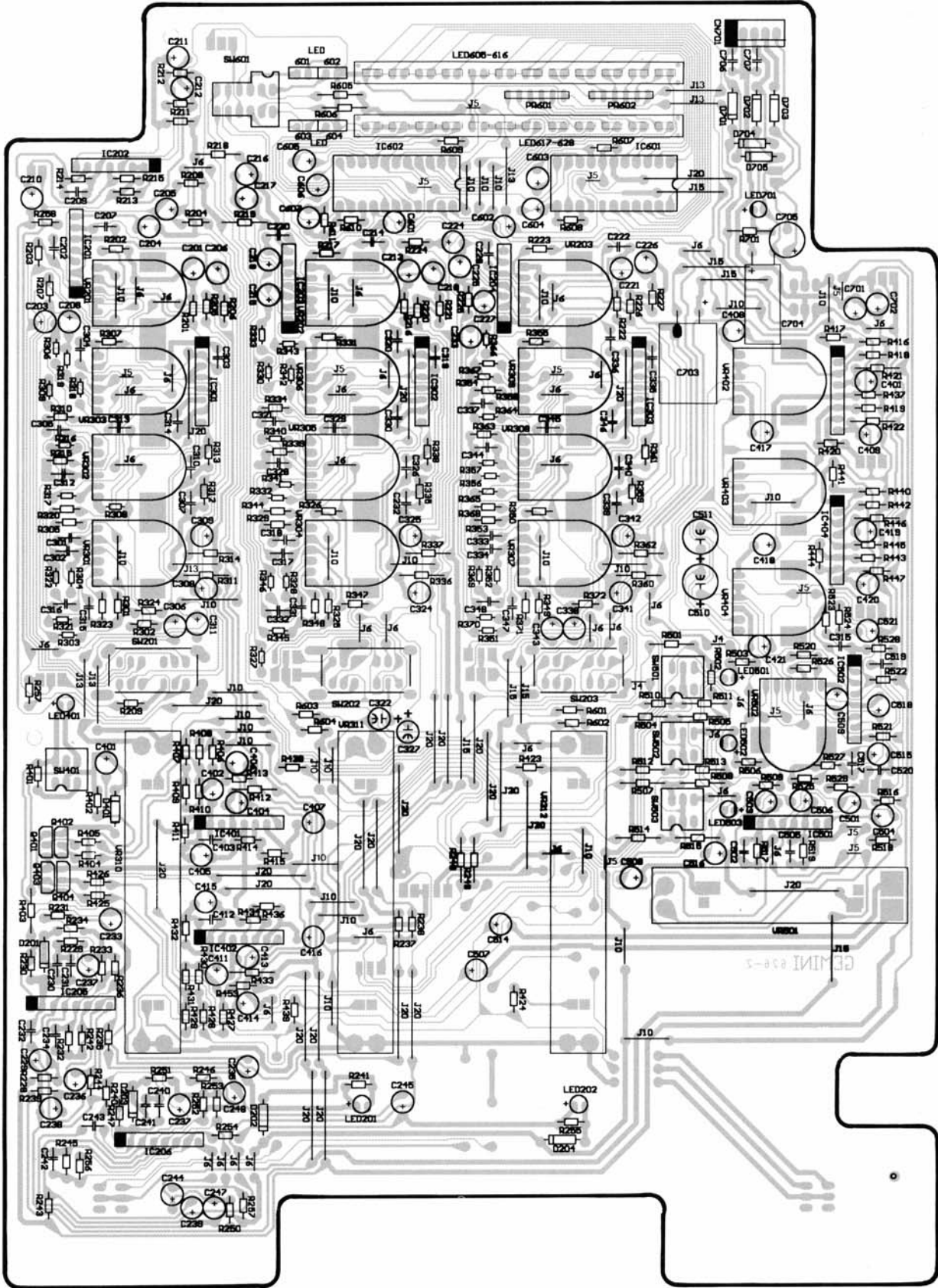
PRINTED CIRCUIT BOARDS

PS-626 PRO / PS-676 PRO

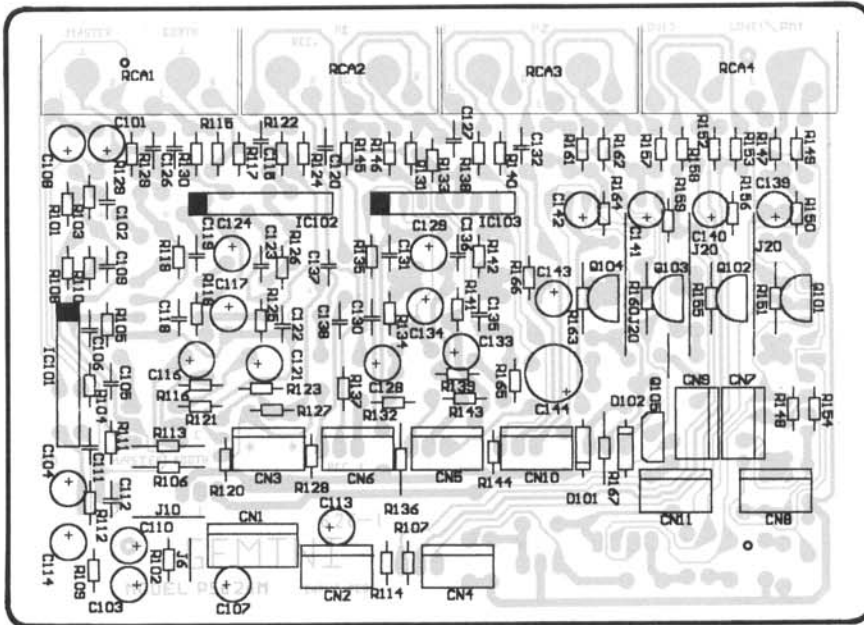
MAIN PCB(PS-676 PRO)



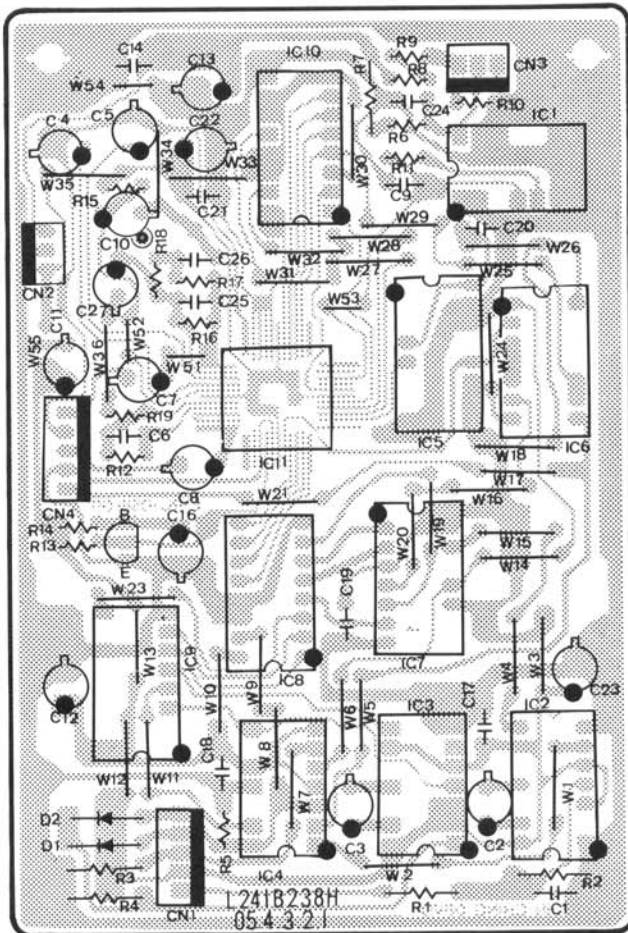
MAIN PCB(PS-626 PRO)



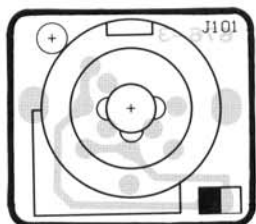
IN/OUT PCB



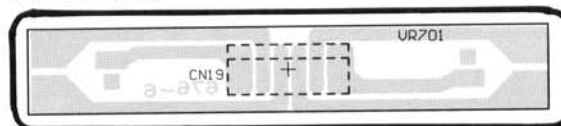
SAMPLE PCB(PS-676 PRO ONLY)



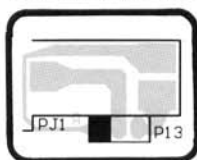
MIC PCB



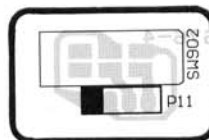
FADER PCB



PHONE JACK PCB

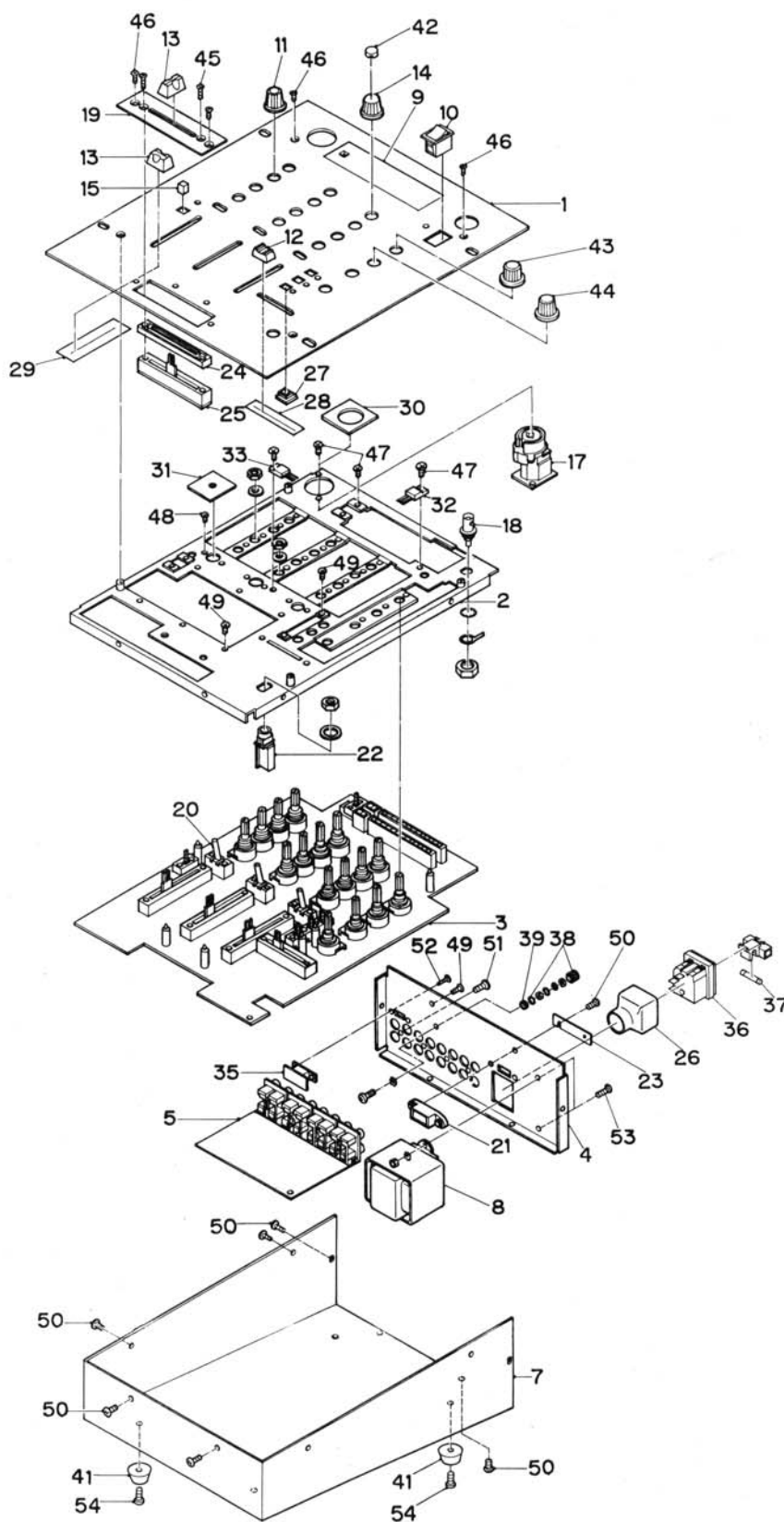


LINE / PHONO SW PCB

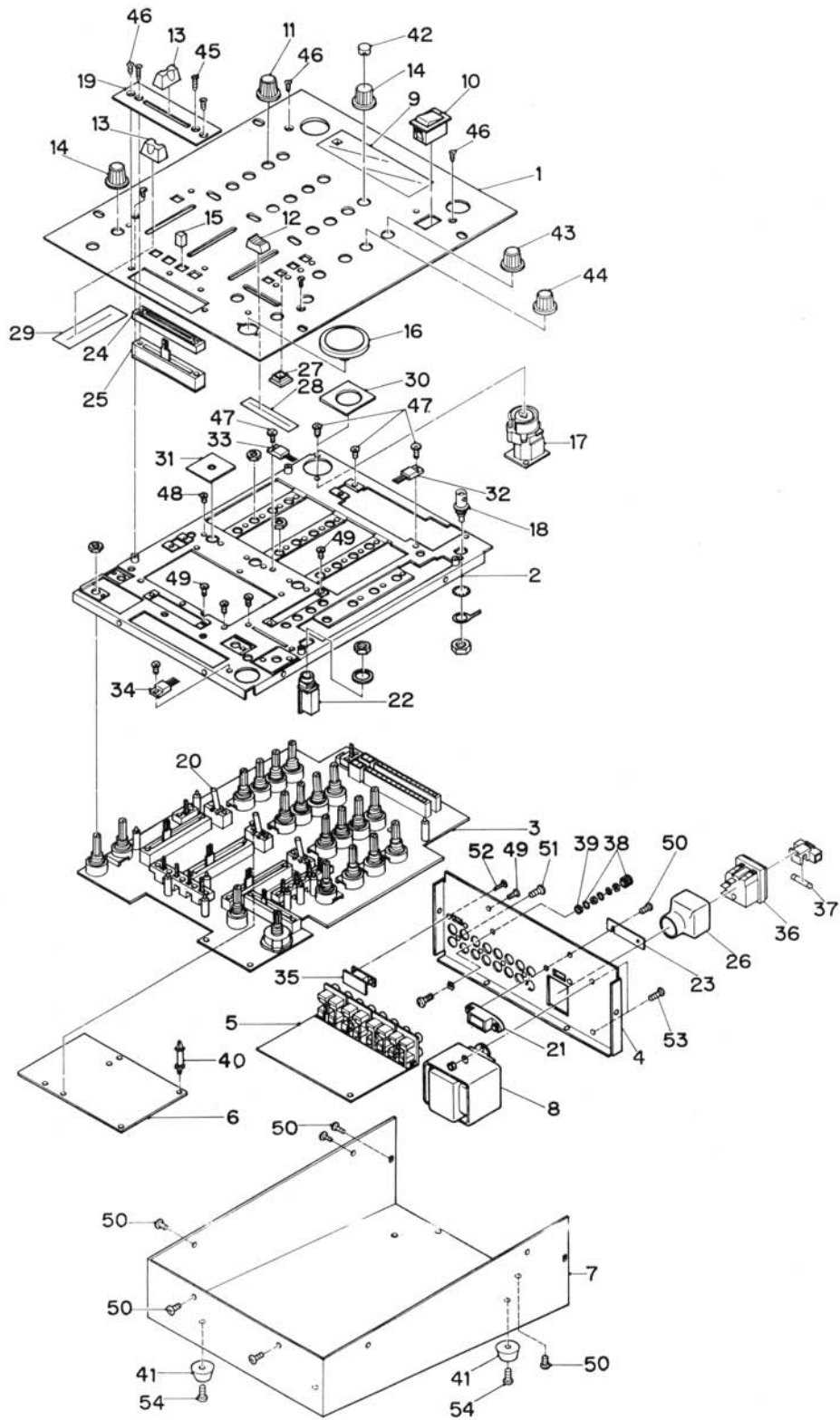


EXPLODED VIEW OF CABINET

PS-626 PRO



PS-676 PRO



CABINET PARTS LIST

Symbol No.	Parts No.	Description
1	002-163	FACEPPS-626I
1	002-173	FACEPPS-676I
2	021-744	BRACKET VR (PS-626I)
2	021-748	BRACKET VR (PS-676I)
3	162-824	MAIN PCB (PS-626I)
3	162-873	MAIN PCB (PS-676I)
4	021-889	PANEL REAR (PS-626I)
4	021-918	PANEL REAR (PS-676I)
5	162-823	IN / OUT PCB
6	162-878	SAMPLE PCB (PS-676I)
7	021-277	COVER BOTTOM (PS-626I)
7	021-309	COVER BOTTOM (PS-676I)
8	059-166	POWER TRANSFORMER (110V / 220V)
8	059-167	POWER TRANSFORMER (100V)
9	003-362	PLATE LED (PS-676I)
9	003-360	PLATE LED (PS-626I)
10	083-099	POWER SWITCH
11	148-312	KNOB INLAY SILVER
12	002-726	KNOB SLIDE (SMALL)
13	002-724	KNOB SLIDE (BIG)
14	003-146	KNOB ROTARY (B)
15	002-531	KNOB PUSH (SMALL)
16	002-545	KNOB SET (PS-676I)
17	092-078	PHONE JACK
18	092-059	BNC CONNECTOR (FEMALE) 12V LAMP
19	022-322	HOLDER X-FADER
20	023-674	SWING LEVEL (LONG)
21	022-305	PROTECTOR PLATE FOR 115 / 230V SWITCH
22	162-876	HEAD PHONE JACK
23	022-305	SWITCH PROTECT PLATE
24	003-970	VR INLAY
25	072-081	SLIDE VR
26		HEAT SHRINK TUBE
27	002-532	BUSHING FOR KNOB (SMALL)
28	159-167	VR DUST PROOF CLOTH (SMALL)
29	159-171	VR DUST PROOF CLOTH
30	003-548	SPACER
31	159-168	SWING DUST PROOF CLOTH
32	074-089	IC NJM 7805A
33	074-088	IC NJM 7815FA
34	074-074	IC NJM 7905A
35	081-004	SLIDE SWITCH
36	092-105	POWER IN PUT JACK
37	100-050	FUSE 0.5A AC 250V
38	146-710	GND SCREW
39	131-081	NUT / WASHER
40	047-480	PCB SUPPORT (PS-676I)
41	049-189	PAD FOOT

PARTS LIST

Symbol No.	Parts No.	Description
Diodes		
D1	079-003	SILICON DIODE 1N4148
D2	079-003	SILICON DIODE 1N4148
D102	079-003	SILICON DIODE 1N4148
D101	079-003	SILICON DIODE 1N4148
D301	079-003	SILICON DIODE 1N4148
D302	079-003	SILICON DIODE 1N4148
D501	079-003	SILICON DIODE 1N4148
D502	079-003	SILICON DIODE 1N4148
D902	079-025	ZENER DIODE 1/2W10V
D905	079-027	RECTIFIER DIODE 1N4002
D906	079-027	RECTIFIER DIODE 1N4002
D907	079-027	RECTIFIER DIODE 1N4002
D908	079-027	RECTIFIER DIODE 1N4002
D909	079-027	RECTIFIER DIODE 1N4002
D911	079-003	SILICON DIODE 1N4148
D912	079-003	SILICON DIODE 1N4148
D913	079-003	SILICON DIODE 1N4148
LED101	080-091	LIGHT EMITTING DIODE (RED)3.15
LED301	080-091	LIGHT EMITTING DIODE (RED)3.15
LED302	080-091	LIGHT EMITTING DIODE (RED)3.15
LED501	080-091	LIGHT EMITTING DIODE (RED)3.15
LED502	080-091	LIGHT EMITTING DIODE (RED)3.15
LED701	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED702	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED703	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED704	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED705	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED706	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED707	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED708	080-076	LIGHT EMITTING DIODE (YELLOW)2.5x5
LED709	080-076	LIGHT EMITTING DIODE (YELLOW)2.5x5
LED710	080-075	LIGHT EMITTING DIODE (RED)2.5x5
LED711	080-075	LIGHT EMITTING DIODE (RED)2.5x5
LED712	080-075	LIGHT EMITTING DIODE (RED)2.5x5
LED801	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED802	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED803	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED804	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED805	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED806	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED807	080-077	LIGHT EMITTING DIODE (GREEN)2.5x5
LED808	080-076	LIGHT EMITTING DIODE (YELLOW)2.5x5
LED809	080-076	LIGHT EMITTING DIODE (YELLOW)2.5x5
LED810	080-075	LIGHT EMITTING DIODE (RED)2.5x5
LED811	080-075	LIGHT EMITTING DIODE (RED)2.5x5
LED812	080-075	LIGHT EMITTING DIODE (RED)2.5x5
LED901	080-091	LIGHT EMITTING DIODE (RED)3.15
LED902	080-091	LIGHT EMITTING DIODE (RED)3.15
LED903	080-090	LIGHT EMITTING DIODE (GREEN)5x5
LED904	080-090	LIGHT EMITTING DIODE (GREEN)5x5
LED905	080-090	LIGHT EMITTING DIODE (GREEN)5x5
LED906	080-090	LIGHT EMITTING DIODE (GREEN)5x5
LED907	080-091	LIGHT EMITTING DIODE (RED)3.15
LED908	080-091	LIGHT EMITTING DIODE (RED)3.15
LED909	080-091	LIGHT EMITTING DIODE (RED)3.15
LED910	080-088	LIGHT EMITTING DIODE (5φ5N5H)

Symbol No.	Parts No.	Description
ICs		
IC1	074-123	IC TC4077BP
IC2	074-121	IC SN74LS122N
IC3	074-121	IC SN74LS122N
IC4	074-122	IC SN74LS73AN
IC5	074-120	IC SN74LS193N
IC6	074-119	IC SN74LS00N
IC7	074-120	IC SN74LS193N
IC8	074-125	IC N82S129AN
IC9	074-124	IC SN74LS148N
IC10	074-097	IC M6389
IC11	074-096	IC M6388
IC101	074-104	IC NJM4558L
IC102	074-104	IC NJM4558L
IC103	074-104	IC NJM4558L
IC104	074-104	IC NJM4558L
IC302	074-104	IC NJM4558L
IC304	074-104	IC NJM4558L
IC305	074-104	IC NJM4558L
IC502	074-104	IC NJM4558L
IC504	074-104	IC NJM4558L
IC505	074-104	IC NJM4558L
IC701	074-104	IC NJM4558L
IC702	074-104	IC NJM4558L
IC703	074-104	IC NJM4558L
IC704	074-104	IC NJM4558L
IC705	074-104	IC NJM4558L
IC706	074-111	IC LB1412
IC707	074-113	IC NJM4556L
IC801	074-104	IC NJM4558L
IC806	074-111	IC LB1412
IC903	074-104	IC NJM4558L
IC904	074-104	IC NJM4558L
Transistor		
Q101	076-095	TRANSISTOR 2SC2878
Q102	076-095	TRANSISTOR 2SC2878
Q103	076-095	TRANSISTOR 2SC2878
Q104	076-095	TRANSISTOR 2SC2878
Q105	076-104	TRANSISTOR 2SC945
Q301	076-094	TRANSISTOR DTC114
Q401	076-094	TRANSISTOR DTC114
Q501	076-094	TRANSISTOR DTC114
Q601	076-094	TRANSISTOR DTC114
Q802	076-096	TRANSISTOR 2SK363
Q803	076-096	TRANSISTOR 2SK363
Q902	076-107	TRANSISTOR 2SJ104

Symbol No.	Parts No.	Description
Electrical Parts		
P13	092-090	PHONE JACK 6.3 ϕ x XLR
SW102	082-019	LEVER SWITCH 4P2C
SW103	083-094	4KEY PUSH SWITCH 2P2C L=12.5 P=15MM
SW302	082-019	LEVER SWITCH 4P2C
SW502	082-019	LEVER SWITCH 4P2C
SW901	083-069	PUSH SWITCH 2P2C
VR101	071-103	ROTARY VR16 ϕ L=20 50KBx2
VR102	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR103	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR104	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR105	072-091	SLIDE VR45MM L=2010KAx2
VR301	071-103	ROTARY VR16 ϕ L=20 50KBx2
VR302	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR303	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR304	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR305	072-091	SLIDE VR45MM L=2010KAx2
VR501	071-103	ROTARY VR16 ϕ L=20 50KBx2
VR502	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR503	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR504	071-145	ROTARY VR16 ϕ L=20 50KEx2C.C
VR505	072-091	SLIDE VR45MM L=2010KAx2
VR702	071-084	ROTARY VR16 ϕ L=20 50KAx2
VR703	071-084	ROTARY VR16 ϕ L=20 50KAx2
VR704	071-084	ROTARY VR16 ϕ L=20 50KAx2
VR706	071-136	ROTARY VR16 ϕ L=20 20KMNx2C.C
VR901	071-101	ROTARY VR16 ϕ L=20 10KBC.C
VR902	071-101	ROTARY VR16 ϕ L=20 10KBC.C
VR903	071-158	ROTARY VR16 ϕ L=20 500KAx2
Packing		
101	157-812	OWNER'S MANUAL (PS-626 PRO)
101	157-839	OWNER'S MANUAL (PS-676 PRO)
102	155-940	GIFT BOX (PS-626 PRO)
102	155-961	GIFT BOX (PS-676 PRO)
103	153-161	POLY FORM
104	156-079	WARRANTY CARD (PS-626 PRO)
104	156-089	WARRANTY CARD (PS-676 PRO)



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call 1-732-738-9003 for Gemini Customer Service.**

Do not attempt to return this equipment to your dealer.

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