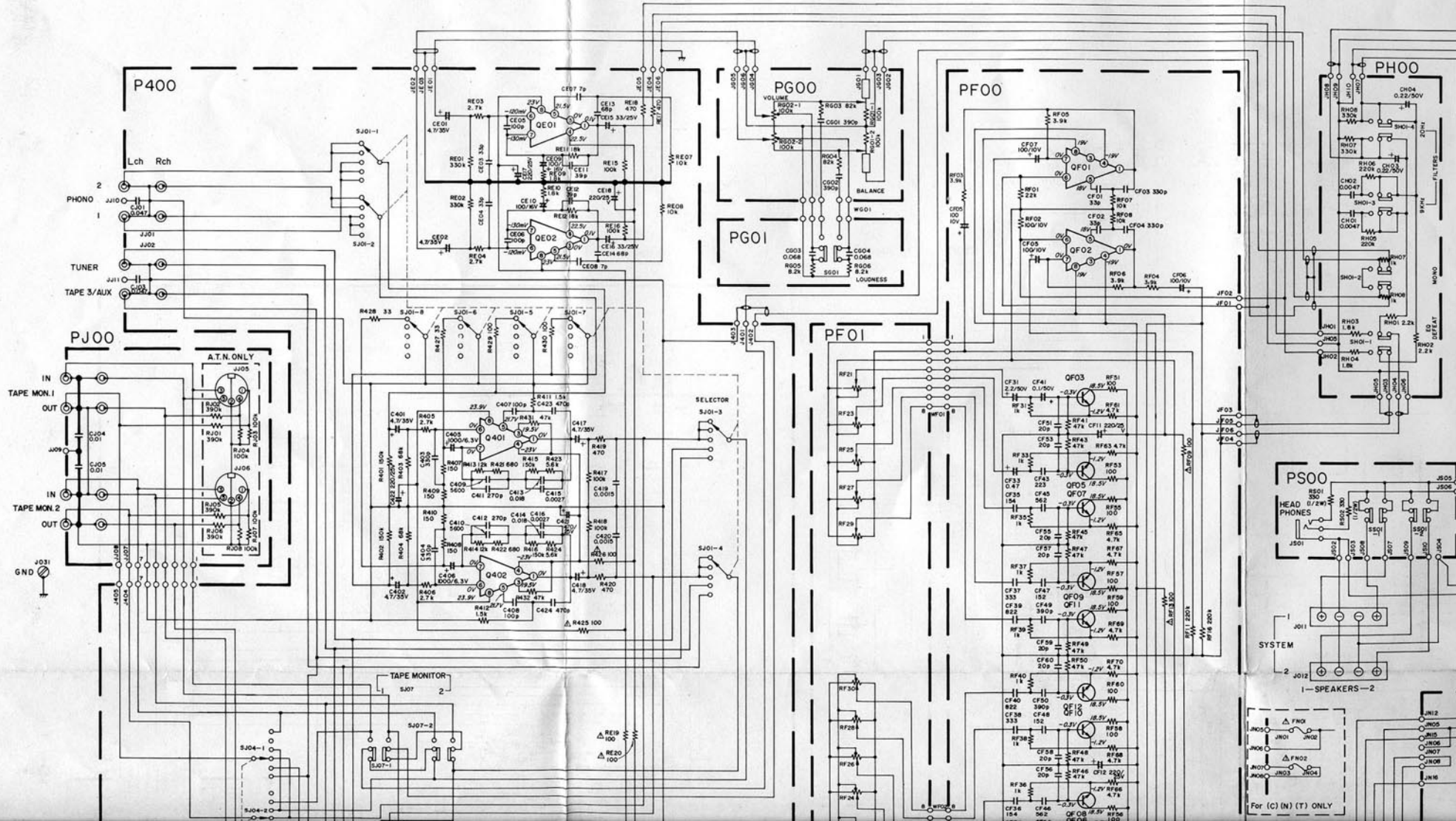
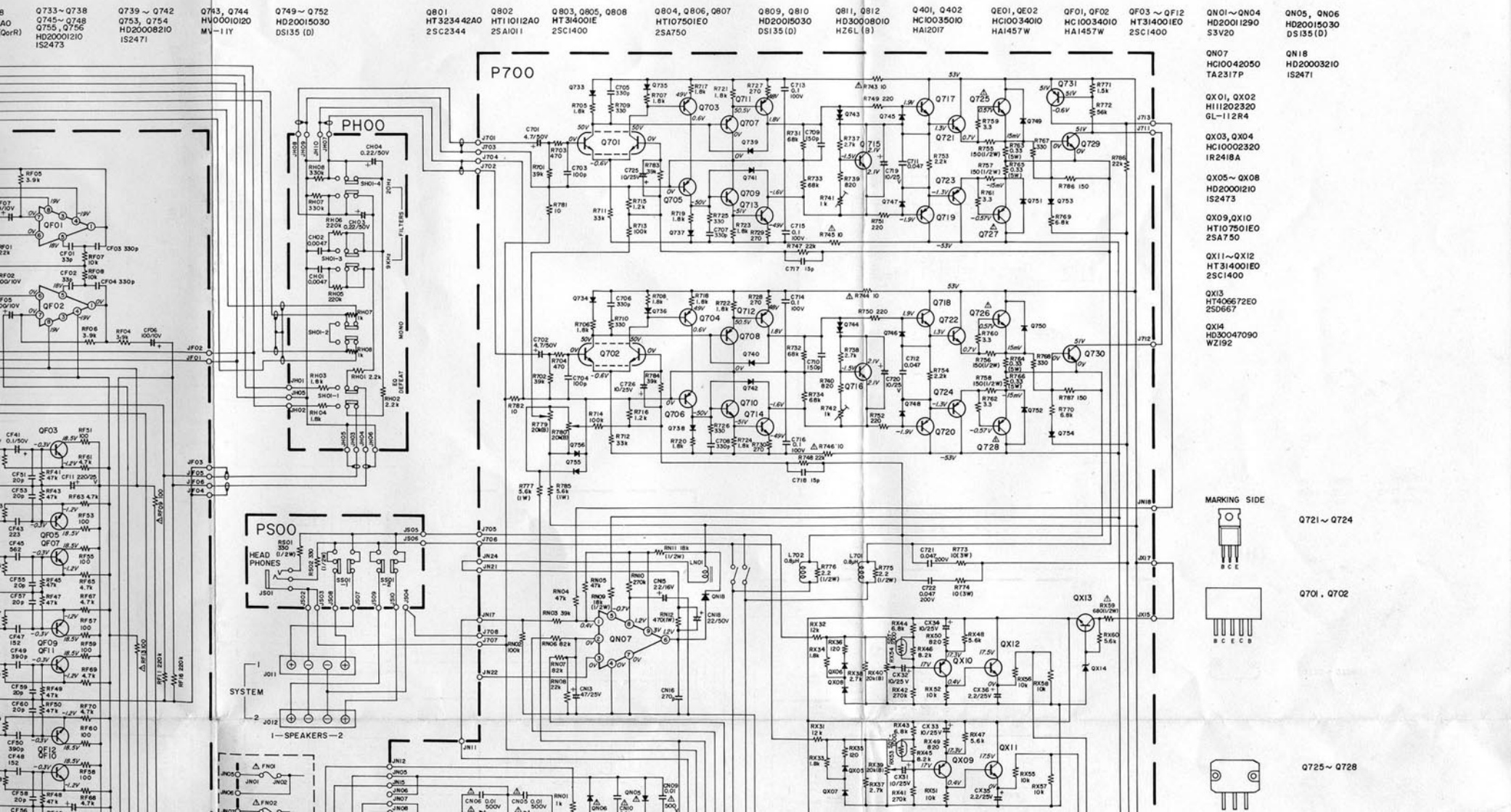


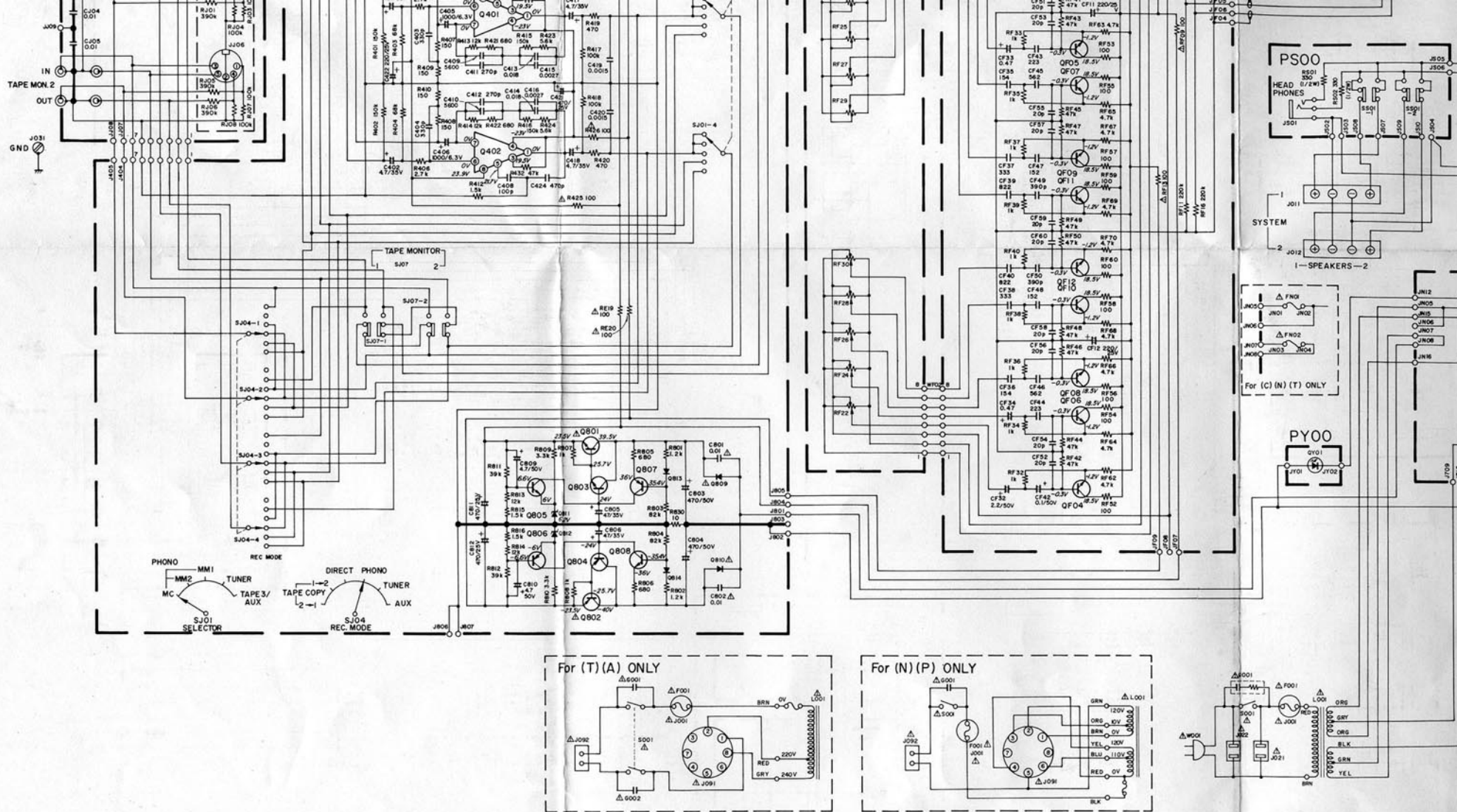
- |                          |                                 |  |                          |                          |                          |                          |                          |                          |                          |                          |  |   |                          |                           |
|--------------------------|---------------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|---|--------------------------|---------------------------|
| Q701, Q702<br>HT322592G0 | Q703 ~ Q708, Q731<br>HT107501E0 | Q709, Q710, Q715<br>Q716, Q729, Q730<br>HT314001E0 | Q711, Q712<br>HT109702A0 | Q713, Q714<br>HT322402A0 | Q717, Q718<br>HT322292A0 | Q719, Q720<br>HT109492A0 | Q721, Q722<br>HT325913A0 | Q723, Q724<br>HT111113A0 | Q725, Q726<br>HT325882A0 | Q727, Q728<br>HT110882A0 | Q733 ~ Q738<br>Q745 ~ Q748<br>Q755, Q756<br>HD20001210 | Q739 ~ Q742<br>Q753, Q754<br>HD20008210 | Q743, Q744<br>HV00010120 | Q749 ~ Q752<br>HD20015030 |
| 2SC2259(ForG)            | 2SA7501(E)                      | 2C1400(E)  | 2SA970(GRorBL)           | 2SC2240(GRorBL)          | 2SC2229(OrY)             | 2SA949(OrY)              | 2SC259(POrR)             | 2SA111(POrR)             | 2SC258A(OrR)             | 2SA110BA(OrR)            | IS2473   | IS2471                                  | MV-11Y                   | DS135(D)                  |



For (C) (N) (T) ONLY

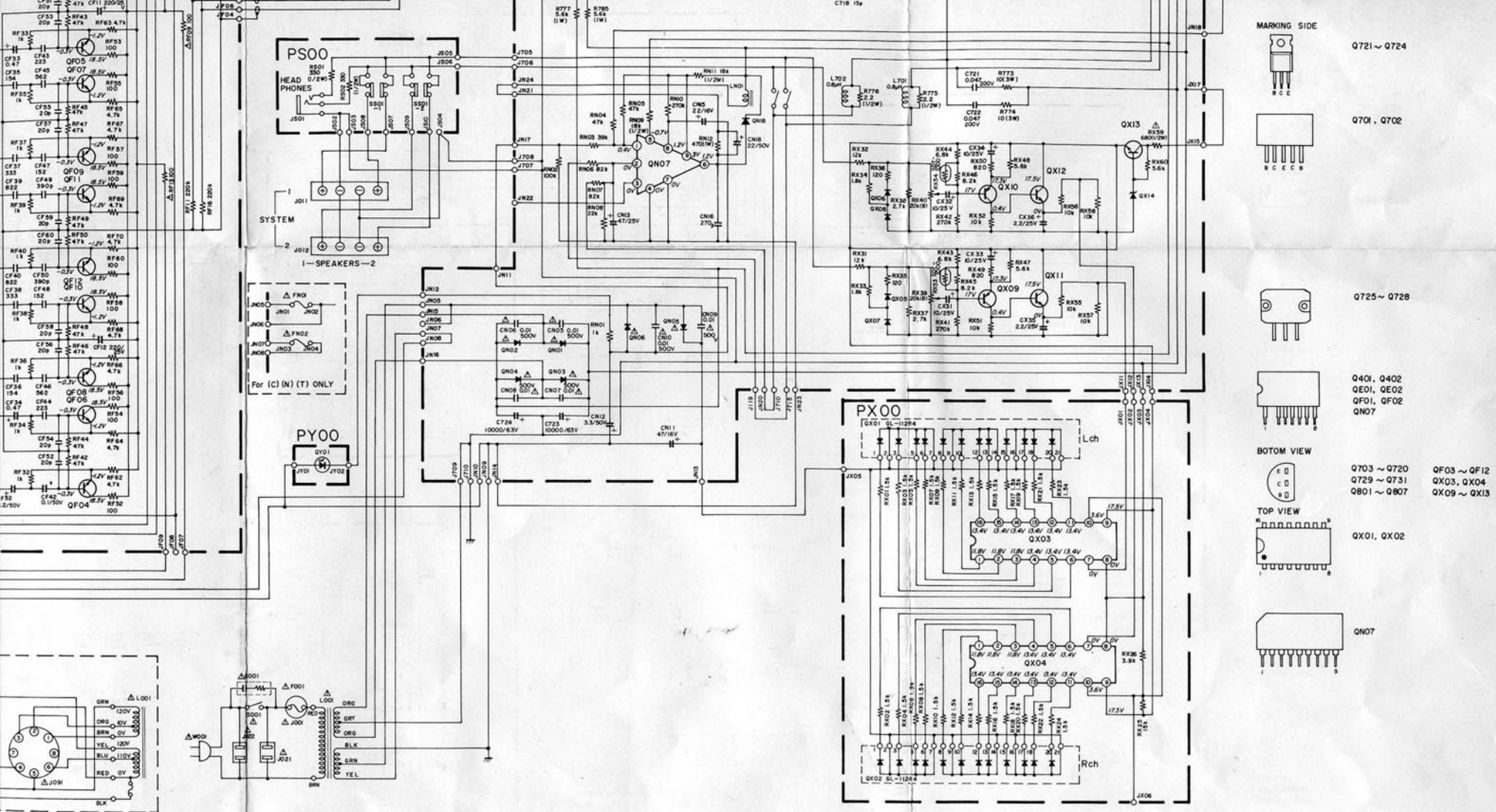
# SCHEMATIC DIAGRAM FOR Model PM700/PM710DC





Note on safety: The parts marked with  $\Delta$  are important parts on the safety. Please use the parts having the designated parts number without fail.

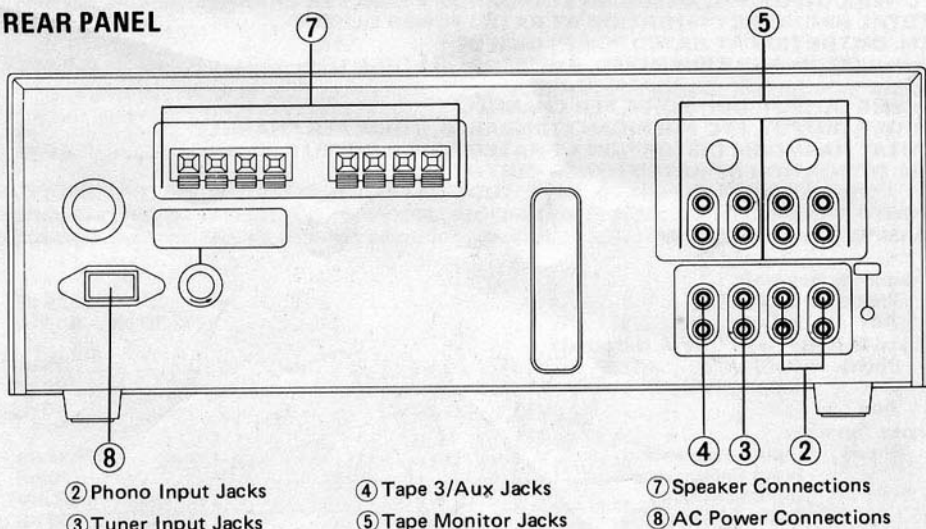
Components and wiring are subject to change for modification



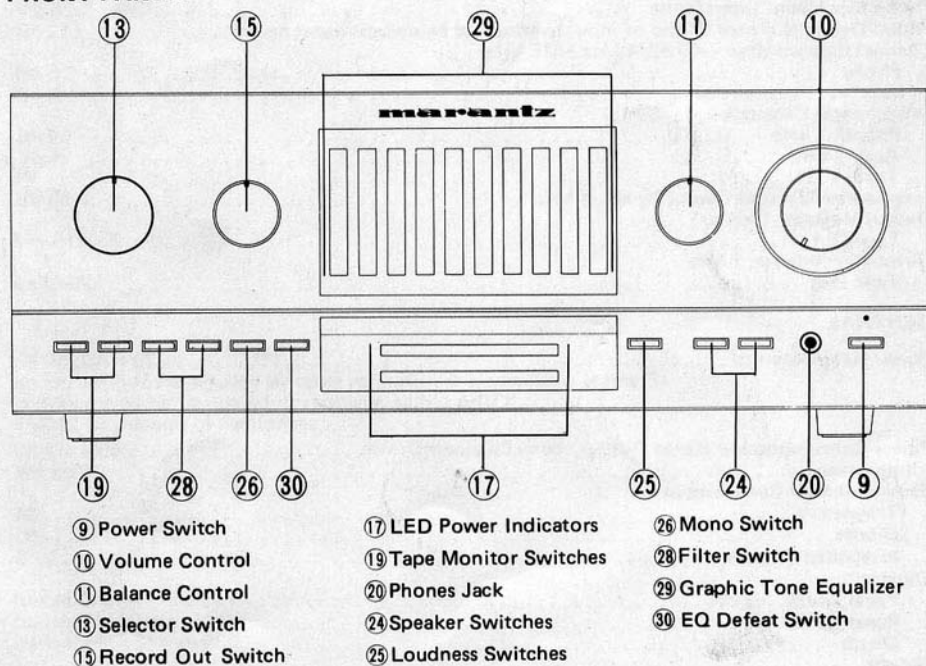
- MARKING SIDE
- Q721 ~ Q724
- Q701, Q702
- Q725 ~ Q728
- Q401, Q402  
QE01, QE02  
QF01, QF02  
QN07
- BOTTOM VIEW
- Q703 ~ Q720  
Q729 ~ Q731  
Q801 ~ Q807
- TOP VIEW
- QX01, QX02
- QX03 ~ QX12  
QX03, QX04  
QX09 ~ QX13
- QN07

# Model PM710DC

## REAR PANEL



## FRONT PANEL



For Tape Recording, See ㉔

For Tape Monitoring, See ㉕

For Tape Dubbing, See ㉖

# TECHNICAL SPECIFICATIONS (DIN)

## AUDIO SECTION

POWER OUTPUT, DIN, 4 OHM, PER CHANNEL	100W
POWER OUTPUT, FTC AMERICAN STANDARDS, 4 OHM, PER CHANNEL	88W
TOTAL HARMONIC DISTORTION AT RATED POWER OUTPUT	0.06%
I.M. DISTORTION AT RATED POWER OUTPUT (250 Hz AND 8 kHz MIXED, AMPLITUDE RATIO 4:1)	0.06%

POWER OUTPUT, DIN, 8 OHM, PER CHANNEL	80W
POWER OUTPUT, FTC AMERICAN STANDARDS, 8 OHM, PER CHANNEL	70W
TOTAL HARMONIC DISTORTION AT RATED POWER OUTPUT	0.03%
I.M. DISTORTION AT RATED POWER OUTPUT (250 Hz AND 8 kHz MIXED, AMPLITUDE RATIO 4:1)	0.03%
POWER BANDWIDTH	0 Hz ~ 70 kHz
DAMPING FACTOR 8 OHM	110

Frequency Response	
Phono (RIAA)	±0.25 dB
Aux (±1 dB)	10 Hz ~ 60 kHz

### Signal-to-Noise Ratio (IHF-A Network)

Phono (MC)	78 dB
(MM)	88 dB
Aux	93 dB

### Input Terminals

Phono:	Input Impedance	47k ohms
	Input Capacitance	220 pF
	Input Sensitivity	0.33 mV
	Overload Margin	38 dB
Aux:	Input Impedance	25k ohms
	Input Sensitivity	18 mV
Phono Equivalent Input Noise		0.38 µV
Phono Dynamic Range (Ratio of input overload to equivalent input noise)		112 dB
Channel Balance (0 to -40 dB/40 Hz ~ 16 kHz)		
Phono		2.0 dB
Aux		1.6 dB

### Interchannel Crosstalk

Phono, 1 kHz	50 dB
Aux, 1 kHz	65 dB
Tape, 1 kHz	65 dB
Intersource Crosstalk (Worst Point), 1 kHz	58 dB
Output Voltage, 1 kHz	
Tape Out	415 mV
Output Impedance, 1 kHz	
Tape Out	220 ohms

## GENERAL

Power Requirements	220V AC, 50 Hz
	(E and N versions are featuring an external voltage selector for use on 110V. Other versions can be converted by a qualified technician to operate on 240V.)

Power Consumption at Rated Output, both Channels Driven	300W ± 20W
Idling Power	50W ± 5W

### Semiconductor Complement

Transistors	54
Diodes	66
Integrated Circuits	9

### Dimensions

Panel Width	416 mm (16-3/8 inches)
Panel Height	146 mm (5-3/4 inches)
Depth	330 mm (9-9/16 inches)

### Weight

Unit Alone	15 kg (33 lbs)
Packed for Shipment	17 kg (37.4 lbs)

# FUNCTIONAL BLOCK DIAGRAM

