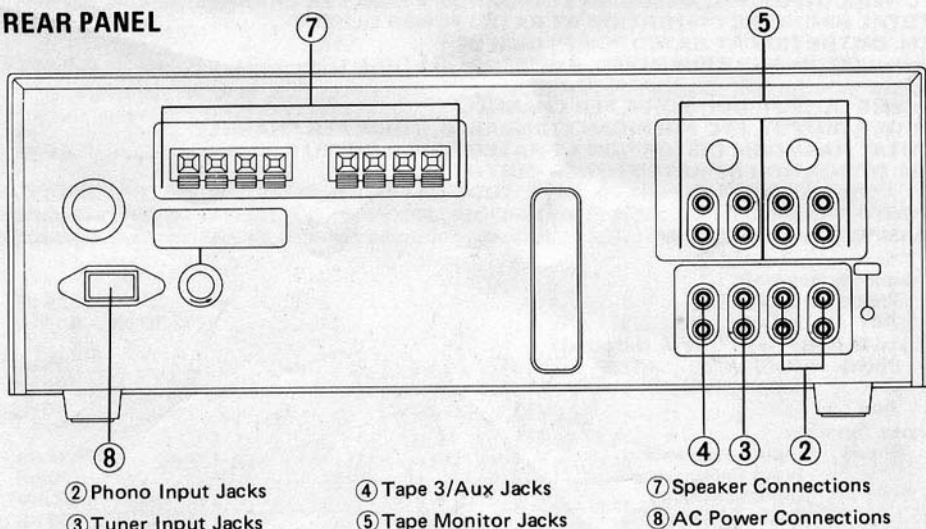
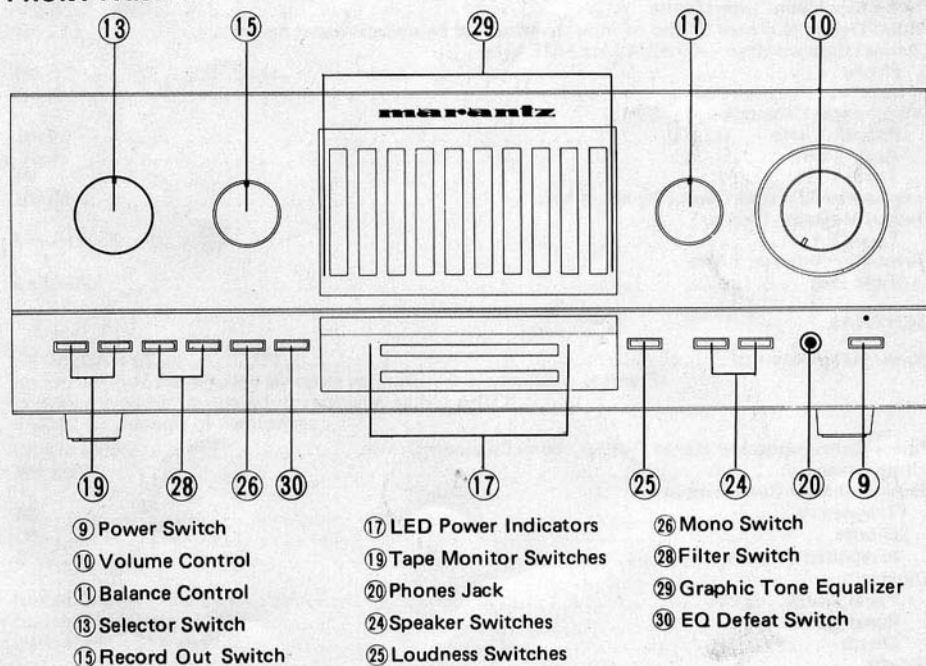


Model PM710DC

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

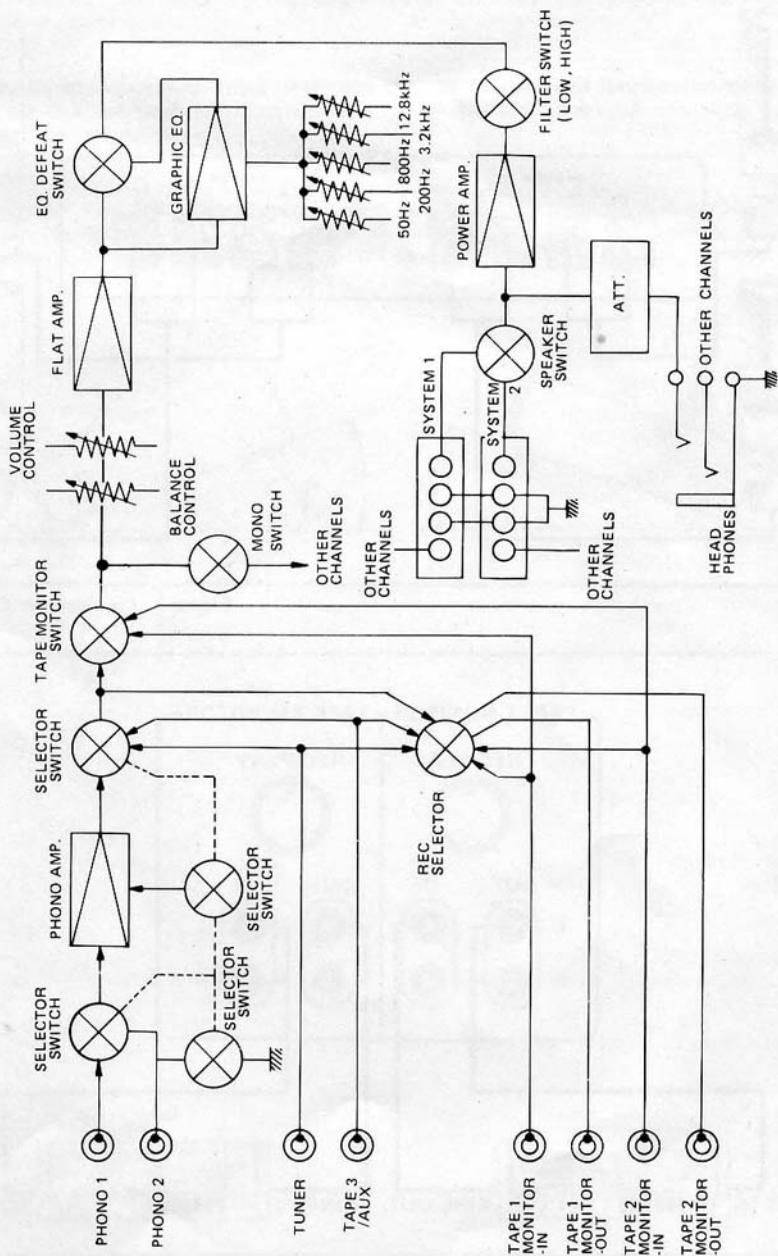
Signal-to-Noise Ratio (IHF-A Network)	
Phono (MC)	78 dB
(MM)	88 dB
Aux	93 dB

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

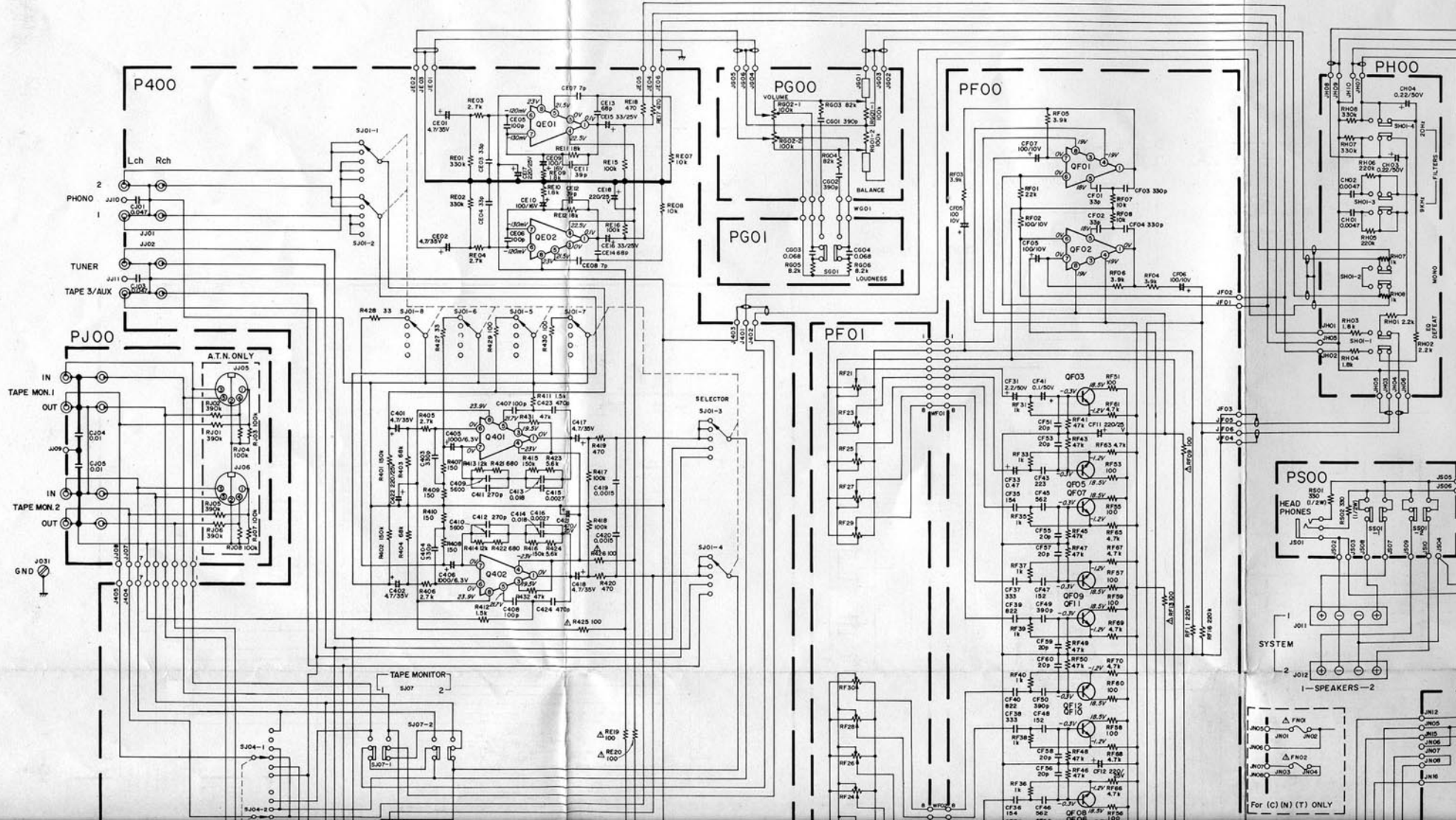
GENERAL

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



- | | | | | | | | | | | | | | | |
|--------------------------|---------------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|---|--------------------------|---------------------------|
| Q701, Q702
HT322592G0 | Q703 ~ Q708, Q731
HT107501E0 | Q709, Q710, Q715
Q716, Q729, Q730
HT314001E0 | Q711, Q712
HT109702A0 | Q713, Q714
HT322402A0 | Q717, Q718
HT322292A0 | Q719, Q720
HT109492A0 | Q721, Q722
HT325913A0 | Q723, Q724
HT111113A0 | Q725, Q726
HT325882A0 | Q727, Q728
HT110882A0 | Q733 ~ Q738
Q745 ~ Q748
Q755, Q756
HD20001210 | Q739 ~ Q742
Q753, Q754
HD20008210 | Q743, Q744
HV00010120 | Q749 ~ Q752
HD20015030 |
| 2SC2259(ForG) | 2SA7501(E) | 2SC1400(E) | 2SA970(GRorBL) | 2SC2240(GRorBL) | 2SC2229(OrY) | 2SA949(OrY) | 2SC259(PQorR) | 2SA111(PQorR) | 2SC258A(QorR) | 2SA110BA(QorR) | IS2473 | IS2471 | MV-11Y | DS135(D) |



SCHEMATIC DIAGRAM FOR Model PM700/PM710DC

Q733 ~ Q738
Q745 ~ Q748
Q755, Q756
HD20001210
IS2473

Q739 ~ Q742
Q753, Q754
HD20008210
IS2471

Q763, Q744
HW00010120
MV-11Y

Q749 ~ Q752
HD20015030
DS155 (D)

Q801
HT 323442A0
Z5C2344

Q802
HT110112A0
Z5A1011

Q803, Q805, Q808
HT 314001E
Z5C1400

Q804, Q806, Q807
HT107501E0
Z5A750

Q809, Q810
HD20005030
DS135 (D)

Q811, Q812
HD30008010
HZ6L (B)

Q401, Q402
HC10035010
HA12017

Q601, Q602
HC10034010
HA1457W

Q701, Q702
HC10034010
HA1457W

Q703 ~ Q712
HT314001E0
Z5C1400

Q701 ~ Q704
HD2001290
S3V20

Q705, Q706
HD20015030
DS155 (D)

Q707
HC10042050
TA2317P

Q708, Q709
H111202320
GL-112R4

Q710, Q711
HC1002320
IR2418A

Q712 ~ Q715
HC10001210
IS2473

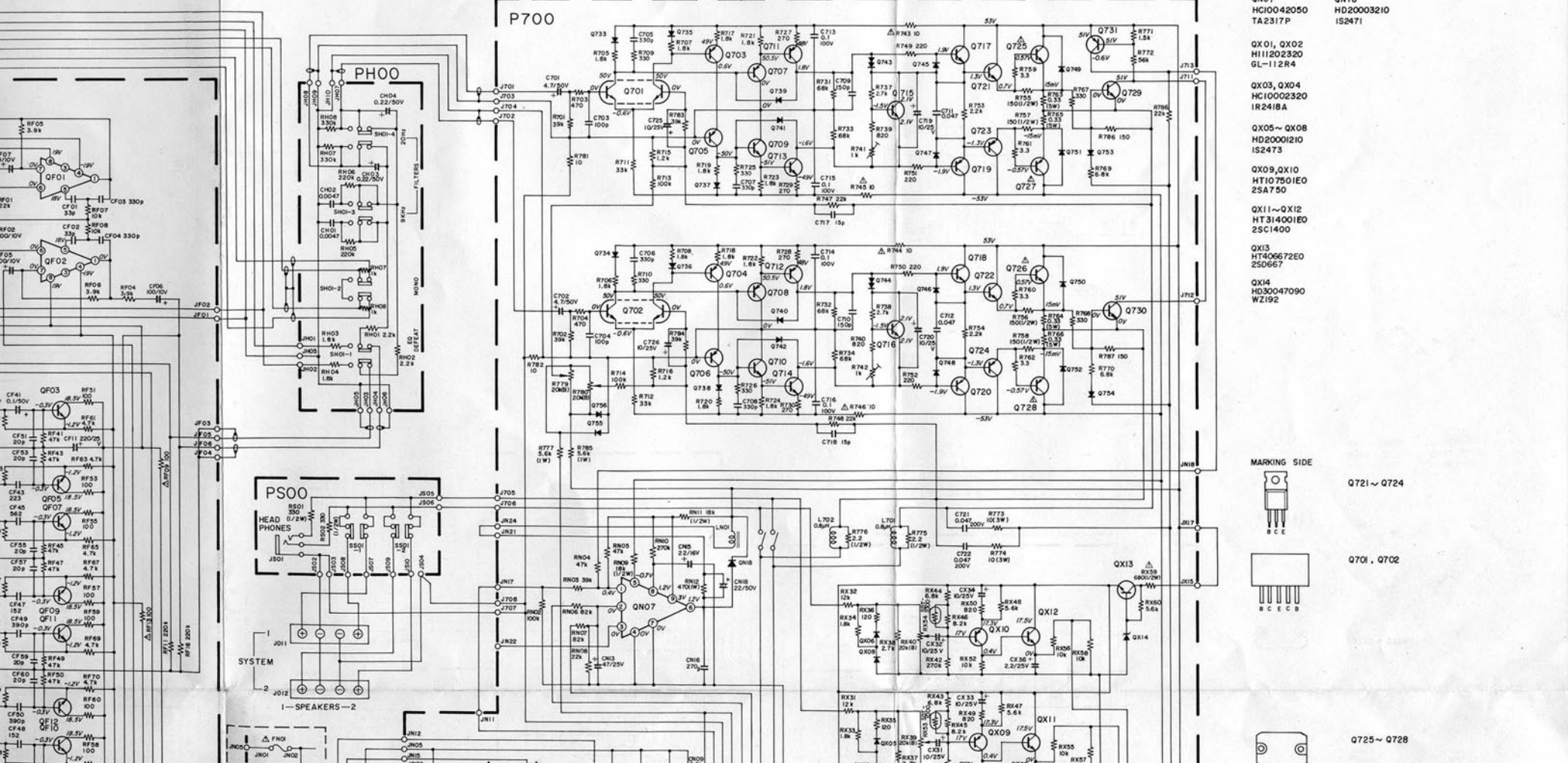
Q716, Q717
HT107501E0
Z5A750

Q718 ~ Q721
HT314001E0
Z5C1400

Q722
HT406672E0
Z5D667

Q723
HD30047090
WZ192

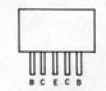
Q724 ~ Q727
Q728 ~ Q732
Q733 ~ Q738
Q739 ~ Q742
Q743, Q744
Q745 ~ Q748
Q749 ~ Q752
Q753, Q754
Q755, Q756
Q757 ~ Q760
Q761, Q762
Q763, Q764
Q765 ~ Q768
Q769, Q770
Q771 ~ Q774
Q775, Q776
Q777, Q778
Q779, Q780
Q781 ~ Q784
Q785, Q786
Q787 ~ Q790
Q791, Q792
Q793, Q794
Q795, Q796
Q797, Q798
Q799, Q800
Q801, Q802
Q803, Q804
Q805, Q806
Q807, Q808
Q809, Q810
Q811, Q812
Q813, Q814
Q815, Q816
Q817, Q818
Q819, Q820
Q821, Q822
Q823, Q824
Q825, Q826
Q827, Q828
Q829, Q830
Q831, Q832
Q833, Q834
Q835, Q836
Q837, Q838
Q839, Q840
Q841, Q842
Q843, Q844
Q845, Q846
Q847, Q848
Q849, Q850
Q851, Q852
Q853, Q854
Q855, Q856
Q857, Q858
Q859, Q860
Q861, Q862
Q863, Q864
Q865, Q866
Q867, Q868
Q869, Q870
Q871, Q872
Q873, Q874
Q875, Q876
Q877, Q878
Q879, Q880
Q881, Q882
Q883, Q884
Q885, Q886
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Q889, Q890
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Q893, Q894
Q895, Q896
Q897, Q898
Q899, Q900
Q901, Q902
Q903, Q904
Q905, Q906
Q907, Q908
Q909, Q910
Q911, Q912
Q913, Q914
Q915, Q916
Q917, Q918
Q919, Q920
Q921, Q922
Q923, Q924
Q925, Q926
Q927, Q928
Q929, Q930
Q931, Q932
Q933, Q934
Q935, Q936
Q937, Q938
Q939, Q940
Q941, Q942
Q943, Q944
Q945, Q946
Q947, Q948
Q949, Q950
Q951, Q952
Q953, Q954
Q955, Q956
Q957, Q958
Q959, Q960
Q961, Q962
Q963, Q964
Q965, Q966
Q967, Q968
Q969, Q970
Q971, Q972
Q973, Q974
Q975, Q976
Q977, Q978
Q979, Q980
Q981, Q982
Q983, Q984
Q985, Q986
Q987, Q988
Q989, Q990
Q991, Q992
Q993, Q994
Q995, Q996
Q997, Q998
Q999, Q1000



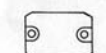
MARKING SIDE



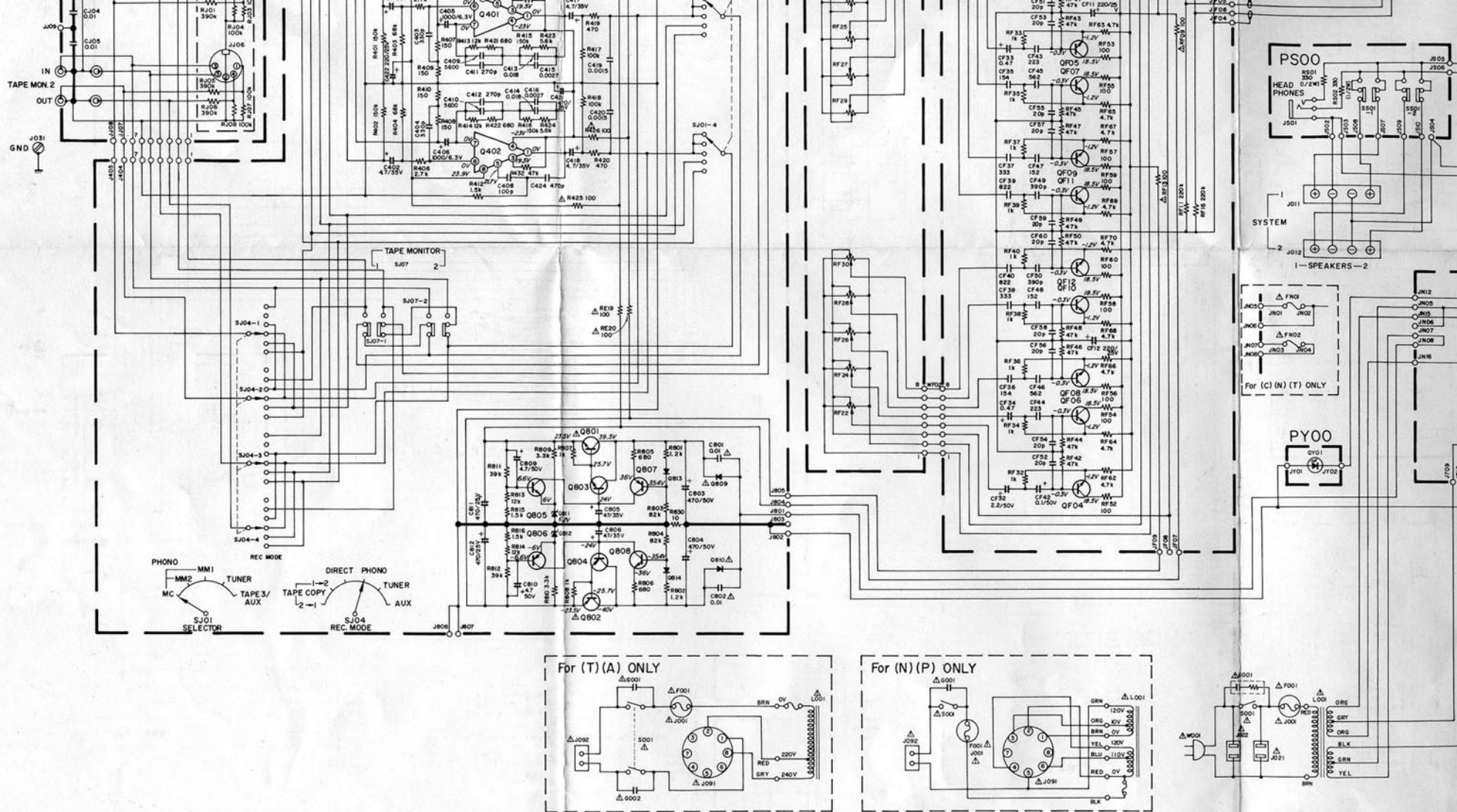
Q721 ~ Q724



Q701, Q702



Q725 ~ Q728



Note on safety: The parts marked with Δ 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

