P-300L SCHEMATIC DIAGRAM

NOTES

1. The heavy lines on the schematic denote the signal path
2. Big spots denote the ground
3. The mark of capacitors and resistors on the schematic are
   - CERAMIC CAPACITORS
   - MICA CAPACITORS
   - TANTALUM SOLID CAPACITORS
   - METALLIZED FILM CAPACITORS
   - POLYSTYRENE FILM CAPACITORS
   - METALLIZED POLYESTEL FILM CAPACITORS
   - METALLIZED POLYPROPYLENE FILM CAPACITORS
   - WIRE WOUND RESISTORS
   - SOLID RESISTORS
   - FUSE RESISTOR
   - METAL FILM RESISTORS
   - OXIDE METAL FILM RESISTORS
   - METAL PLATE RESISTORS

Unless otherwise specified Capacitors are ELECTROLYTIC types.
Resistors are CARBON FILM types
1 4 watt and · 5% tolerance

4 VOLTAGE ⋯ Signal Source Voltage
▭ Operating with no input
5 CURRENT ▷ Operating with no input

720-0008-00

717-0018-00

D1~5,9 : S5277B
D6,7 : RD15F-B3
D8 : 1S1555
D10,11 : 1SS104

Q1,2 : 2SA1048-GR
Q3 : 2SB647
Q4 : 2SC1162-C
Q5,6 : 2SK184-GR
Q7,8 : 2SK330-Y,GR

IC1 : HA12002
IC2,3 : TA7318P-2
IC4 : μPC4082C

D1~4 : 1S1555
D5,6 : HZ 162L
D7~10,20~23 : LT-8001P
D11 : STV-3H-0
D12~19,24,25 : 1SS81
D26,27 : S5277B
D28 : UB152
D29,30 : HZ9A2L

IC1 : NJM4559D-F,S
Q1 : 2SK389-BL
Q2 : 2SJ109-BL
Q3,5,8 : 2SC2705-O,Y
Q4,6,7 : 2SA1145-O,Y

Q9,11 : 2SA1142-P,Q
Q10,12 : 2SC2682-P,Q
Q13,15 : 2SD667
Q14,16 : 2SB647
Q17 : 2SC3298-O,Y

Q18 : 2SA1306-O,Y
Q19 : 2SK213
Q20 : 2SJ76
Q21,23,25,27,29 : 2SC2706B-O,Y
Q22,24,26,28,30 : 2SA1146B-O,Y

IC1,2 : NJM2041DD

	1	2	3	4	5	6
100V	WHT·GRY	VIO or BLU	YEL	ORG·RED	ORG	——
120V	WHT·GRY		BRN	YEL·ORG	RED	——
220V	WHT		YEL·GRY	RED	ORG	BRN
240V	WHT		YEL·GRY	ORG	RED	BRN

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716-0142-00
716-0143-00
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Indicated values of parts in the schematic diagram may be changed in case of performance improvement.