

# Service Manual

74 PM32/01B/02B/05B/07B

Stereo amplifier

This service manual explains them by extracting the different specifications from those of the model PM-32, based on the model PM-30. For both electrical and mechanical information on the after-sales service which is not stated, all information is described in the model PM-30 service manual (Code-number is 4822 725 50912). The dispatch of the parts for after-sales service has to be referred to this service manual, with first priority.  
For this reason, please use this service manual with referring the model PM-30 service manual, without fail.

Different Parts between model PM-30 and PM-32

| PAGE | REF. DESIG. | PM-30          | PM-32          | DESCRIPTION              |
|------|-------------|----------------|----------------|--------------------------|
| 14   | 001B        | 4822 425 40176 | 4822 425 40184 | Front Panel Assembly     |
|      | 013B        | 4822 410 60395 | 4822 410 60902 |                          |
|      | 001F        | 4822 466 92914 | —              | Leg                      |
|      | 005G        | 4822 462 41477 | 4822 462 41932 |                          |
|      | 001T        | 4822 736 20695 | 4822 736 21419 |                          |
|      | ▲ L001      | 4822 146 21554 | 4822 146 21671 | Power Transformer /02B   |
|      | C703        | 4822 121 51517 | 4822 121 50562 |                          |
|      | C704        | 4822 121 51517 | 4822 121 50562 |                          |
|      |             | —              | 4822 122 32486 | Ceramic 0.01μF +80% —20% |
|      |             | 4822 280 20195 | 4822 280 20501 |                          |
| 16   | CW03        | —              | 4822 122 32486 | Relay, MR62-24SR         |
|      | LV01        | 4822 280 20195 | 4822 280 20501 |                          |
| 17   | RY06        | 4822 111 50474 | 4822 053 10331 | Resistor 330Ω ±5% 1W     |
|      | C467        | 4822 124 90358 | 4822 124 90357 |                          |
|      | C468        | 4822 124 90358 | 4822 124 90357 | Elect 2.2μF 50V          |
|      | R472        | 4822 111 30006 | 4822 052 10499 |                          |
|      | C701        | 4822 124 22571 | 4822 124 23082 | Elect 10μF 50V           |
|      | C702        | 4822 124 22571 | 4822 124 23082 |                          |
|      | C707        | 4822 121 51037 | 4822 121 50416 | Film 150pF ±5%           |
|      | C708        | 4822 121 51037 | 4822 121 50416 |                          |
| 18   | C753        | —              | —              | Film 120pF ±5%           |
|      | —           | 4822 121 43126 | 4822 121 50548 |                          |
|      | C756        | —              | —              | Resistor 1KΩ ±5% 1/6W    |
|      | RN01        | 4822 111 91257 | 4822 052 10102 |                          |
|      | RN02        | 4822 111 91257 | 4822 052 10102 | Resistor 1KΩ ±5% 1/6W    |
|      | R713        | 4822 273 10214 | 4822 050 23303 |                          |
|      | R714        | 4822 273 10214 | 4822 050 23303 | Resistor 33KΩ ±5% 1/4W   |
|      | R732        | 4822 116 60343 | 4822 053 10182 |                          |
|      | R755        | 4822 100 11373 | 4822 100 11351 | Resistor 1.8KΩ ±5% 1W    |
|      |             | —              | —              |                          |
|      | R756        | 4822 100 11373 | 4822 100 11351 | 10KΩ, Trimming           |
|      | R757        | 4822 111 91285 | —              |                          |
|      | R758        | 4822 111 91285 | —              | 10KΩ, Trimming           |
|      | R759        | 4822 111 91285 | —              |                          |
|      | R760        | 4822 111 91285 | —              | 10KΩ, Trimming           |
|      | R763        | 4822 116 60267 | —              |                          |
|      | R764        | 4822 116 60267 | —              | Resistor 220Ω ±5% 1/4W   |
|      | R765        | 4822 111 91424 | —              |                          |
|      | R766        | 4822 111 91424 | —              | Resistor 220Ω ±5% 1/4W   |
|      | R769        | 4822 116 52849 | 4822 050 22201 |                          |
|      | R770        | 4822 116 52849 | 4822 050 22201 | Resistor 220Ω ±5% 1/4W   |
|      | R771        | 4822 111 90726 | 4822 053 11109 |                          |
|      | R772        | 4822 111 90726 | 4822 053 11109 | Resistor 10Ω ±5% 2W      |
|      | R773        | 4822 111 91424 | —              |                          |
|      | R774        | 4822 111 91424 | —              | Resistor 10Ω ±5% 2W      |
|      |             | —              | —              |                          |

| PAGE | REF. DESIG. | PM-30          | PM-32          | DESCRIPTION                 |
|------|-------------|----------------|----------------|-----------------------------|
| 18   | Q751        | 4822 130 60526 | 4822 130 60117 | Transistor 2SC3419Y         |
|      | Q752        | 4822 130 60526 | 4822 130 60117 |                             |
|      | Q757        | 4822 130 60696 | 4822 052 10101 | Resistor 100Ω ±5% 1/6W      |
|      | Q758        | 4822 130 60696 | 4822 052 10101 |                             |
|      | Q759        | 4822 130 69693 | 4822 052 10101 | Resistor 100Ω ±5% 1/6W      |
| 19   | Q760        | 4822 130 69693 | 4822 052 10101 |                             |
|      | ▲ Q761      | 4822 130 60697 | 4822 130 63044 | Resistor 100Ω ±5% 1/6W      |
|      | ▲ Q762      | 4822 130 60697 | 4822 130 63044 |                             |
|      | ▲ Q763      | 4822 130 60694 | 4822 130 63043 | Transistor 2SD1894(P, Q)    |
|      | ▲ Q764      | 4822 130 60694 | 4822 130 63043 |                             |
|      | JW52        | 4822 290 81373 | 4822 290 81374 | Terminal, Speaker Black-Red |
|      | L761        | 4822 157 51739 | 4822 157 63085 |                             |
|      | L762        | 4822 157 51739 | 4822 157 63085 | Coil, Speaker               |

### IDLING CURRENT ADJUSTMENT

- (1) Before switching the power ON, set the Master Volume control to the minimum position and the Balance and Tone controls to the center positions. Also set semi-fixed resistors R755 (L CH) and R756 (R CH) on PCB P701 to the center positions.
- (2) Each of the cement resistors R767 (L CH) and R768 (R CH) on the PCB P701 is provided with three test points. Connect a digital voltmeter, set for the DC voltage input, to the test points at the two extremities of the three test points of R767 or R768.
- (3) After the setup above, switch the power ON and adjust semi-fixed resistor R755 (L CH) or R756 (R CH) on PCB P701 according to the digital voltmeter reading. The target setting value is 7.2mV ( 20mA ) for both the L CH and R CH.

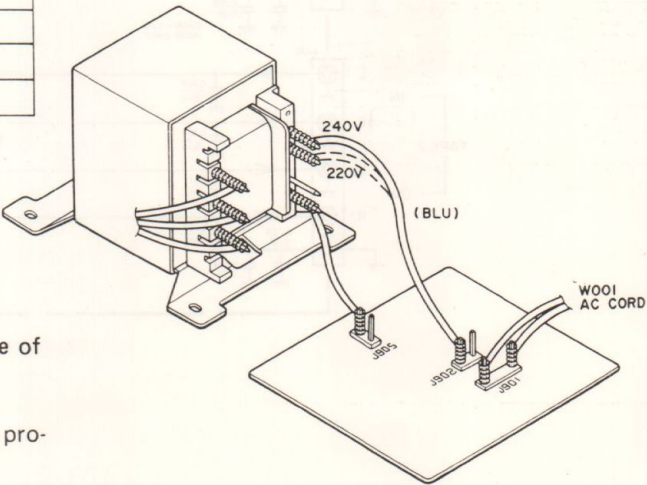
Please refer to the table below.

| Elapsed time after power ON | Idling current setting value |
|-----------------------------|------------------------------|
| 30 sec. — 1 min.            | 7.4mV                        |
| 1 min. — 2 min.             | 7.2mV                        |
| 2 min. — 4 min.             | 7.2mV                        |
| More than 4 min.            | 7.2mV                        |

### HOW TO CHANGE THE SUPPLY VOLTAGE (/05B/07B Versions)

With the /05B/07B Versions, the rated supply voltage of 240V can be changed to 220V.

Refer to the right-hand diagram for the voltage change procedure.

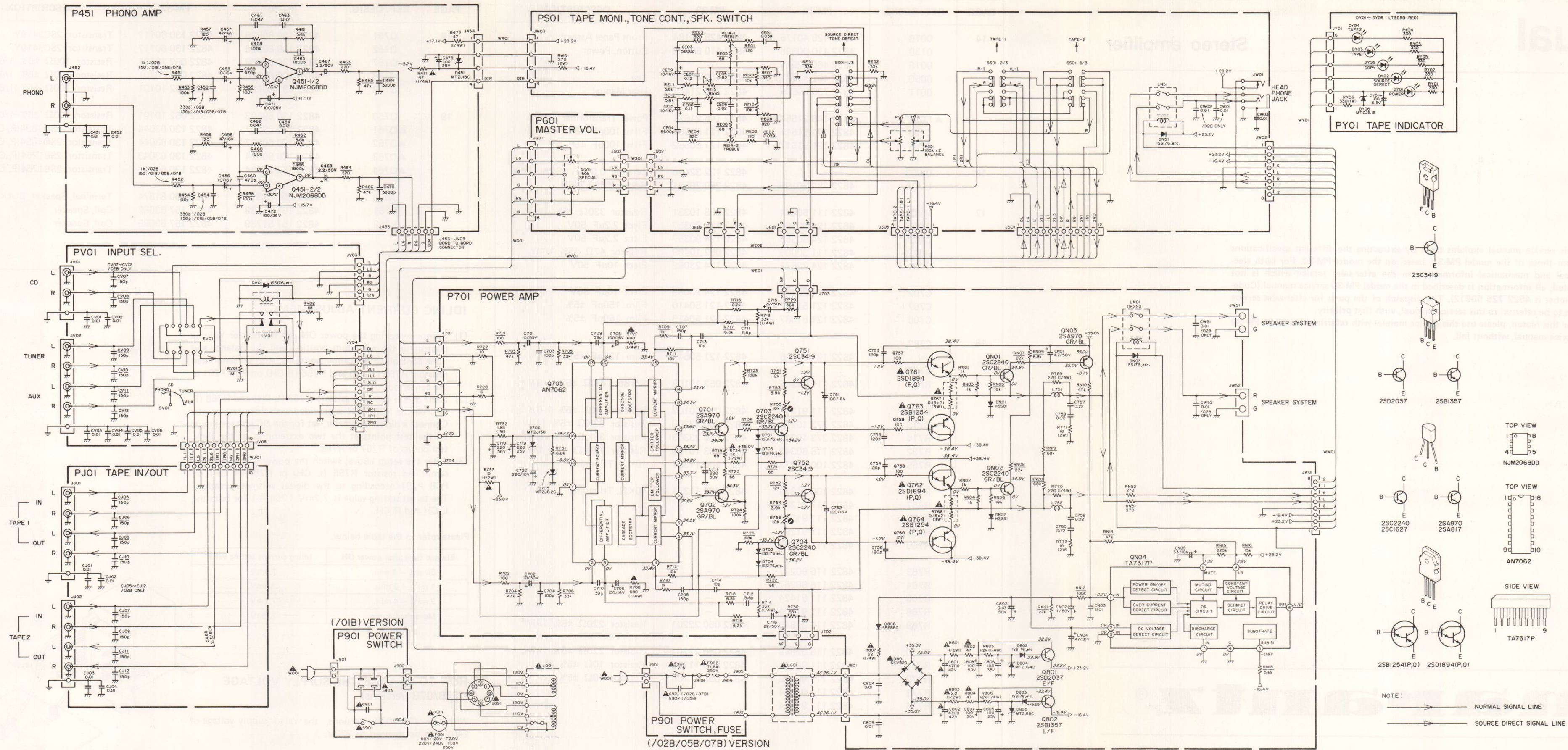


marantz®

model PM-32



## SCHEMATIC DIAGRAM



NOTE :  
 ————> NORMAL SIGNAL LINE  
 ————> SOURCE DIRECT SIGNAL LINE