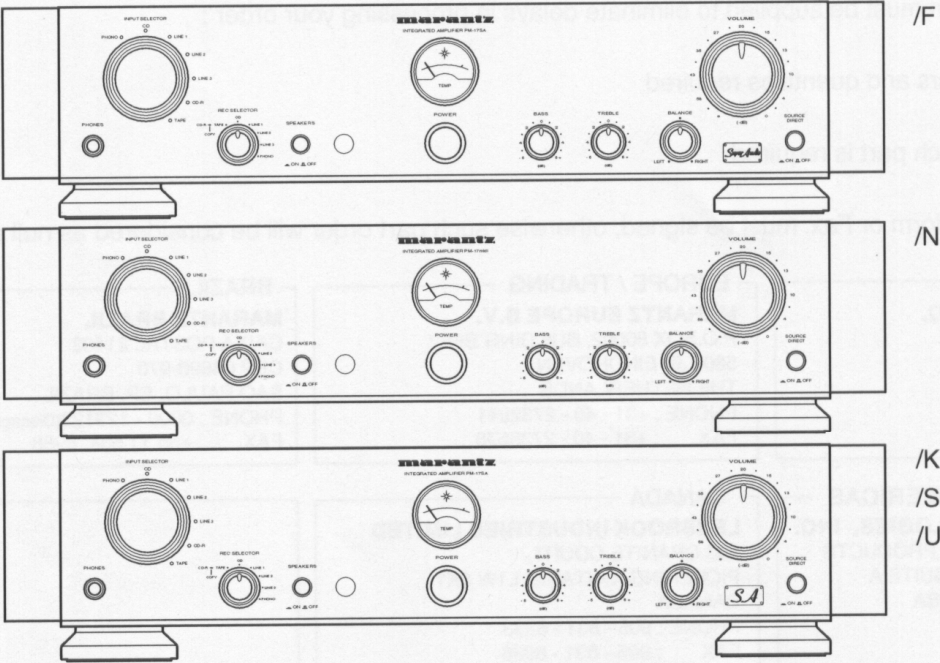


Service Manual

PM17A /F1N, /K1G, /N1G, /S1G /N1B, /U1B Integrated amplifier



PM-17SA / mkII

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Please use this service manual with referring to the user guide (D.F.U.) without fail.
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

marantz®

PM-17SA / PM-17mkII

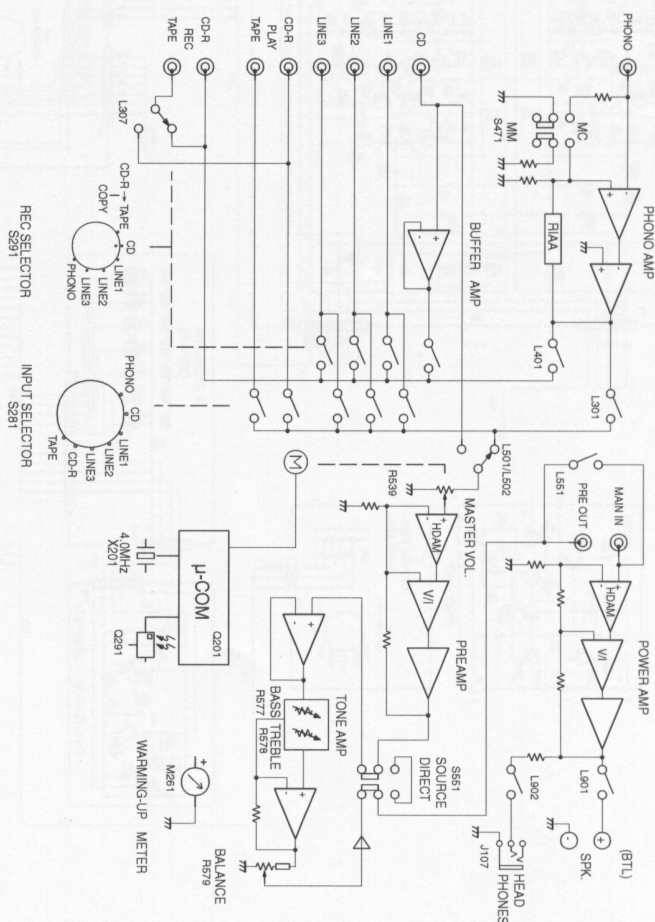
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1. TECHNICAL SPECIFICATIONS

Rated power output (20 Hz to 20 kHz, 2CH simultaneous drive)	60 W x 2 (8 Ω load) 80 W x 2 (6 Ω load) 100 W x 2 (4 Ω load)
Total harmonic distortion (20 Hz to 20 kHz, 2CH drive, 8 Ω load)	0.01 %
Cross-modulation distortion (SMPTE)	0.01 %
Output bandwidth (8 Ω load, 0.04 %)	10 Hz to 50 kHz
Frequency response (CD, SOURCE DIRECT)	5 Hz to 70 kHz, +0/-1 dB
Damping factor (8 Ω load, 20 Hz to 20 kHz)	100
Input sensitivity/input impedance	
PHONE (MC)	230 μ V/100 Ω
PHONE (MM)	2.5 mV/47 k Ω
HIGH LEVEL	220 mV/22 k Ω
MAIN IN	1.6 V/22 k Ω
Output voltage/output impedance	
PRE OUT	1.6 V/250 Ω
Maximum allowable PHONE input (1 kHz)	
MC	15 mV
MM	150 mV
RMA deviation (20 Hz to 20 kHz)	± 0.2 dB
S/N (1HF A network, input shorted)	76 dB
PHONE (MC)	90 dB
PHONE (MM)	112 dB
HIGH LEVEL	
Tone control	
BASS (100 Hz)	± 8 dB
TREBLE (10 kHz)	± 8 dB
Supply voltage	
F version	100 V AC, 50/60 Hz
K/1 version	110 V/220 V AC, 50/60 Hz
N/1, /S1 version	230 V AC, 50 Hz
/U1 version	120 V AC, 60 Hz
Power consumption	180 W
Dimensions (Maximum)	
Width	458 mm
Height	110 mm
Depth	429 mm
Weight	16 kg
Accessories	
Remote control unit (RC-17mkII/PM)	x 1
Dimensions	
Width	44 mm
Height	239 mm
Depth	17.5 mm
Weight (without batteries)	189 g
SUM-4 (R6, "AA" size) dry cell battery	x 2

Design and specifications are subject to change without notice.

2. BLOCK DIAGRAM



3. TEST EQUIPMENT REQUIRED FOR SERVICING

項目	使用 方法
Distortion Analyzer	歪みの測定
歪波計	歪みの測定
Audio Oscillator	Sinewave and squarewave signal source
低周波発生器	正弦波及び矩形波の信号源
AC VTVM	Voltage measurements (AC)
交流電圧の測定	交流電圧の測定
AC VTVM	Voltage measurements (AC)
Oscilloscope	Waveform analysis and trouble shooting and ASO alignment
オシロスコープ	波形状態、トラブルシューティング及びASOの調整
DC VTVM	Voltage measurements (DC)
直流電圧の測定	直流電圧の測定
DC VTVM	Voltage measurements (DC)
AC Wattmeter	Monitors primary power to amplifier
交流ワットメーター	増幅器の一次側消費電力のモニター
Line Voltmeter	Monitors potential of primary power to amplifier
電線電圧計	増幅器の一次側消費電力のモニター
Variable Autotransformer	Adjust level of primary power to amplifier
スライダック	増幅器の一次側消費電力の調整
Circuit Tester	Trouble shooting
テスター	トラブルシューティング
Shorting Plug	Shorts amplifier input to eliminate noise pickup
ショート用プラグ	雑音を拾わないように増幅器入力を短絡する

4. SCHEMATIC DIAGRAM

