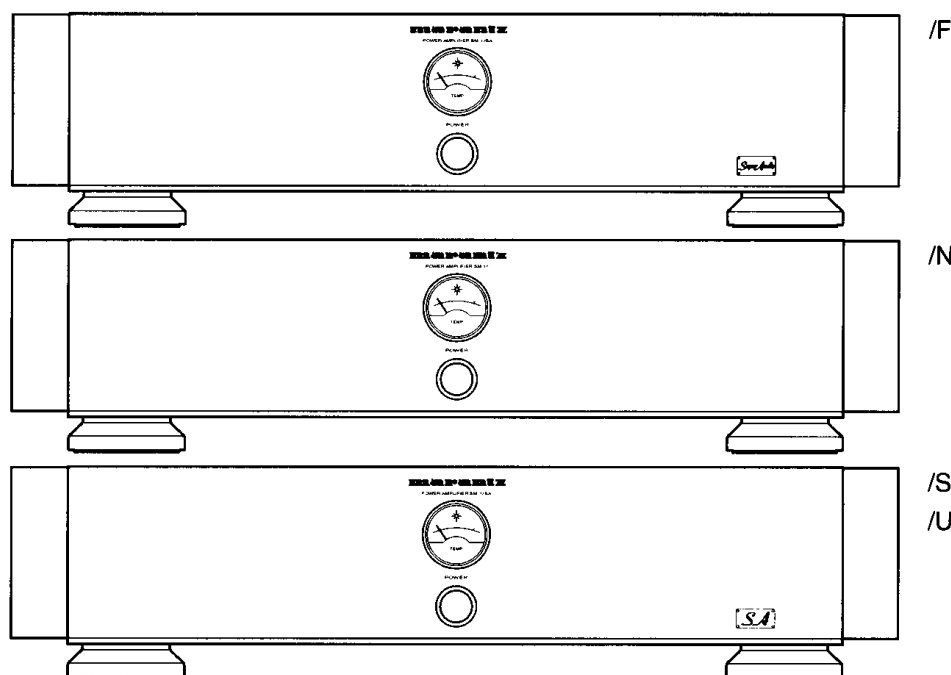


Service Manual

SM17 /F1N, /N1G, /S1G

/N1B, /U1B

Power amplifier



SM-17 / SM-17SA

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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。

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SM-17 / SM-17SA

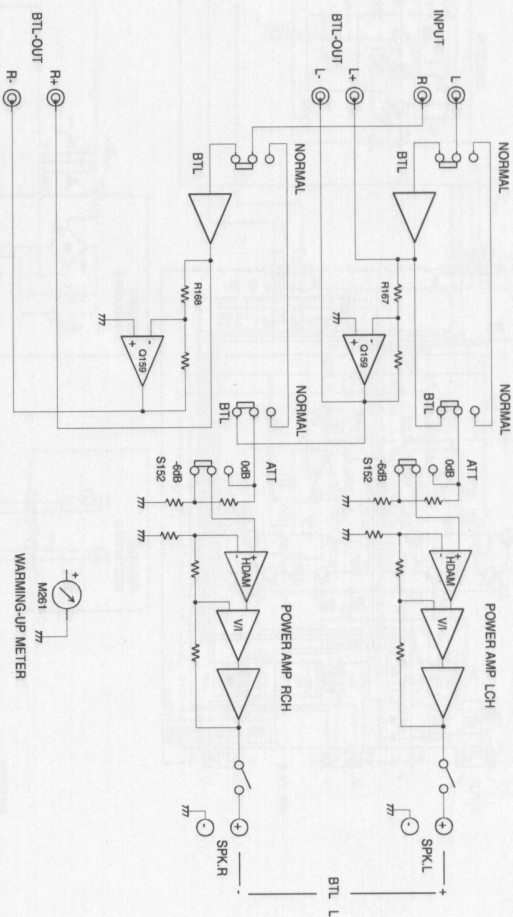
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1. TECHNICAL SPECIFICATIONS

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) 200 W x 1 (8 Ω load)
(20 Hz to 20 kHz, BTL drive)	
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 100 kHz, +0/-1 dB
Damping factor (8 Ω load, 20 Hz to 20 kHz)	100
Input sensitivity/Input impedance	
MAIN IN	1.6 V/22 kΩ
S/N (HF A network, input shorted)	76 dB
Supply voltage	
F version	100 V AC, 50/60 Hz
/N1, /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	407 mm
Weight	15.5 kg
Accessories	

Design and specifications are subject to change without notice.

2. BLOCK DIAGRAM



3. TEST EQUIPMENT REQUIRED FOR SERVICING

Item	Use
Distortion Analyzer	Distortion measurements
歪率計	歪の測定
Audio Oscillator	Sinewave and squarewave signal source
低周波発振器	正弦波及び矩形波の信号源
AC VTVM	Voltage measurements (AC)
AC VTVM	交流電圧の測定
Oscilloscope	Waveform analysis and trouble shooting and ASO alignment
オシロスコープ	波形状分析、トラブルシューティング及びVSAOの調整
DC VTVM	Voltage measurements (DC)
DC VTVM	直流電圧の測定
AC Wattmeter	Monitors primary power to amplifier
交流ワットメーター	アンプの一次側消費電力のモニター
Line Voltmeter	Monitors potential of primary power to amplifier
電圧電圧計	アンプ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	アンプの一次側電力の調節
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
ショートプラグ	雑音を消さないようにアンプ入力を短絡する

4. SCHEMATIC DIAGRAM

