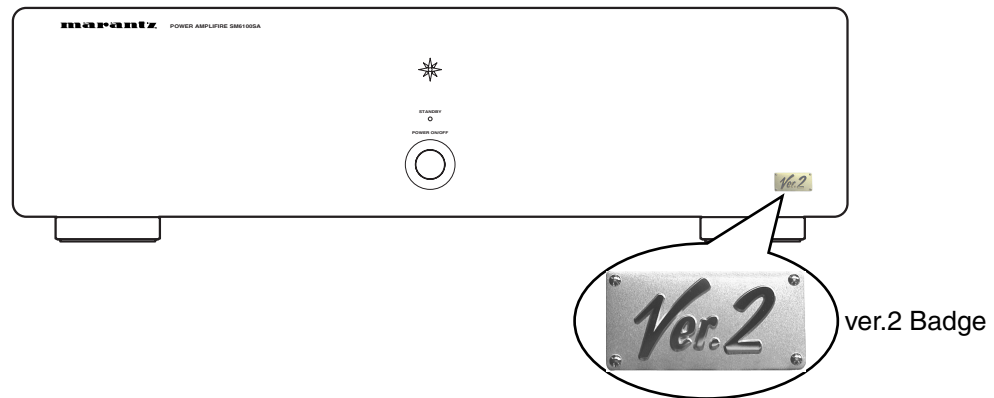


# Service Manual

SM6100 /F1N

Power amplifier



## REMARK 1:

This service manual shows only the differences between the model SM6100 and the model SM6100 ver.2. The most significant changes from SM6100 to SM6100 ver.2 are the quality of sound improvement parts. All other information is described in the service manual of the model SM6100 (Part number: 325J855010).

For the dispatch of the after-sales service parts, refer to those service manuals with the first priority. Therefore, please use this document with referring to the model SM6100 service manual without fail.

## REMARK 2:

1. Model Name on the rear panel of SM6100 and SM6100 ver.2 is same. (Indication is the following.)  
MODEL NO. SM6100/F1N
2. As for the appearance, ver.2 Badge addition on the front panel.
3. As for the change to ver.2 model is from LOT number 15. (MZxxxxxx15xxxx)

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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## SM6100SA ver.2

The changed parts are listed below. Not listed parts are the same to the model SM6100.

POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION
				<b>P101-MAIN CIRCUIT BOARD</b>
C701	/F ver.2		OA10603540	ELECT. 10μF 35V ARS
C702	/F ver.2		OA10603540	ELECT. 10μF 35V ARS
C703	/F ver.2		OF55331580	FILM 330pF ±5% 100V FNS
C704	/F ver.2		OF55331580	FILM 330pF ±5% 100V FNS
C711	/F ver.2		OF55681570	FILM 680pF ±5% 100V DTG
C712	/F ver.2		OF55681570	FILM 680pF ±5% 100V DTG
C729	/F ver.2		OF55100590	ELECT. 10pF 200V ±5% FAS
C730	/F ver.2		OF55100590	ELECT. 10pF 200V ±5% FAS
 C801	/F ver.2		OB15905610	ELECT. 15000μF 56V AUDIO NICHICON
 C802	/F ver.2		OB15905610	ELECT. 15000μF 56V AUDIO NICHICON
C803	/F ver.2		OC22805030	ELECT. UFW1H222MHA1AA FOR AUDIO
C804	/F ver.2		OC22805030	ELECT. UFW1H222MHA1AA FOR AUDIO
 D803	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
 D804	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
 D805	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
 D806	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
 D807	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
 D808	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
 D809	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
 D810	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
R707	/F ver.2		GM11410000	REG. 100Ω ±1%1/4W
R708	/F ver.2		GM11410000	REG. 100Ω ±1%1/4W
				<b>P221-IR μ-COM CIRCUIT BOARD</b>
C203	/F ver.2		DF15103350	FILM 0.01μF J M 50V
Q205	/F ver.2		HC10098550	IC PST600D-2 RESET
C207	/F ver.2		OA10605020	ELECT. 10μF 50V M RA-2
				<b>P851-AC OUTLET BACK UP CIRCUIT BOARD</b>
 D863	/F ver.2		HD20055100	DIODE SHOTTKY 11EQS10 1A 100V
				<b>EXPLODED VIEW PARTS</b>
002B	/F ver.2		24AW251010	BADGE NEW MZ
050B	/F ver.2		318J251020	BADGE VER.2
004D	/F ver.2		51290308M0	B.T.SCREW(W/TL) TOPCOVER+REAR R SIDE FIX
004S	/F ver.2		231J861010	LABEL VER2 LABEL FOR PACKING CASE
				<b>REMOVED PARTS</b>
C204	/F ver.2		DK18103310	CER. 0.01μF Z 50V
C205	/F ver.2		OF15103540	ELECT. 0.01μF J 100V APSV
C816	/F ver.2		EA47610010	ELECT. 47μF 100V
C865	/F ver.2		OF15103540	CER. 0.01μF Z 50V
C866	/F ver.2		DK18103310	ELECT. 0.01μF J 100V APSV

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.