

marantz SERVICE BULLETIN	model number 250	bulletin number M-250-2
	for serial numbers ALL	
	subject TRANSISTOR REPLACEMENT	
	engineering approval <i>H. Branco</i>	date 3-26-75

This bulletin is intended for use when ordering replacement transistors for Marantz Model 250.

THE INFORMATION LISTED BELOW PERTAINS TO ONLY THOSE TRANSISTOR REFERENCE DESIGNATIONS SHOWN IN COLUMN (A) AND SUPERSEDES ANY SERVICE MANUAL REFERENCE TO PART NUMBER, BETA RANGE, COLOR CODE OR PAIRING OF THOSE TRANSISTORS.

To provide correct beta matching, the last three (3) digits of the Marantz part number (DASH NO.) must reference the beta color code of the transistor being replaced.

(A)

REF DES.	VENDOR PART NO.	MARANTZ PART NO.	DASH NO.	BETA (HFE RANGE)	COLOR CODE
Q507	SS9306	461-1003-	-100	70 - 140	Orange
	2N5680	461-1044-	-200	140 - 150	Red
	SJ2583	461-1047-	-300	150 - 300	Yellow
	S39613	461-1056-			
Q508	SS9305	462-1004-	-100	70 - 140	Orange
	2N5682	462-1052-	-200	140 - 150	Red
	SJ2582	462-1053-	-300	150 - 300	Yellow
Q510	SJ2515	462-1040-	-100	50 - 80	Orange
	SJ2586	462-1054-	-200	80 - 110	Red
	S40445	462-1054-	-300	110 - 150	Yellow
Q511	SJ2516	461-1034-	-100	50 - 80	Orange
	SJ2585	461-1046-	-200	80 - 110	Red
	S40446	461-1046-	-300	110 - 150	Yellow
Q802 Q804	SJ2520	461-1031-	-100	25 - 50	Orange
			-200	50 - 100	Yellow
Q803 Q805	SJ2519	462-1036-	-100	25 - 50	Orange
			-200	50 - 100	Yellow

bulletin number	250	bulletin number	M-250-2
total serial numbers	ALL		
subject	TRANSISTOR REPLACEMENT		
		date	3-28-75

NOTES:

1. TRANSISTOR PAIRING

- a. Q802 and Q804 to be matched in same beta range .
- b. Q803 and Q805 to be matched in same beta range.
- c. Q507 and Q508 to be matched within one beta range.
- d. Q510 and Q511 to be matched within one beta range.

2. For transistors having a beta color code not listed on the above chart it is recommended that the transistor pair (the defective and its matching transistor) be replaced. The last three (3) digits of the part number should correspond to the middle beta range shown for that transistor.

3. After transistor replacement perform the Bias Adjustment and Harmonic Distortion tests described in the service manual.

TRANSISTOR	VENDOR	MARANTZ	DASH	BETA	COLOR
Q802	SJ2836	481-1003	-100	70 - 140	Orange
	2N5680	481-1044	-200	140 - 150	Red
	SJ2833	481-1047	-300	150 - 300	Yellow
Q508	SJ2835	482-1004			Orange
	2N5682	482-1052			Red
	SJ2832	482-1053			Yellow
Q510	SJ2815	482-1040	-100	50 - 80	Orange
	SJ2866	482-1054	-200	80 - 110	Red
	S4044B	482-1054	-300	110 - 150	Yellow
Q511	SJ2816	481-1034	-100	50 - 80	Orange
	SJ2585	481-1046	-200	80 - 110	Red
	S4044B	481-1046	-300	110 - 150	Yellow
Q802 Q804	SJ2820	481-1031	-100	25 - 50	Orange
			-200	50 - 100	Yellow
Q803 Q805	SJ2519	482-1038	-100	25 - 50	Orange
			-200	50 - 100	Yellow

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