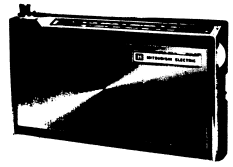
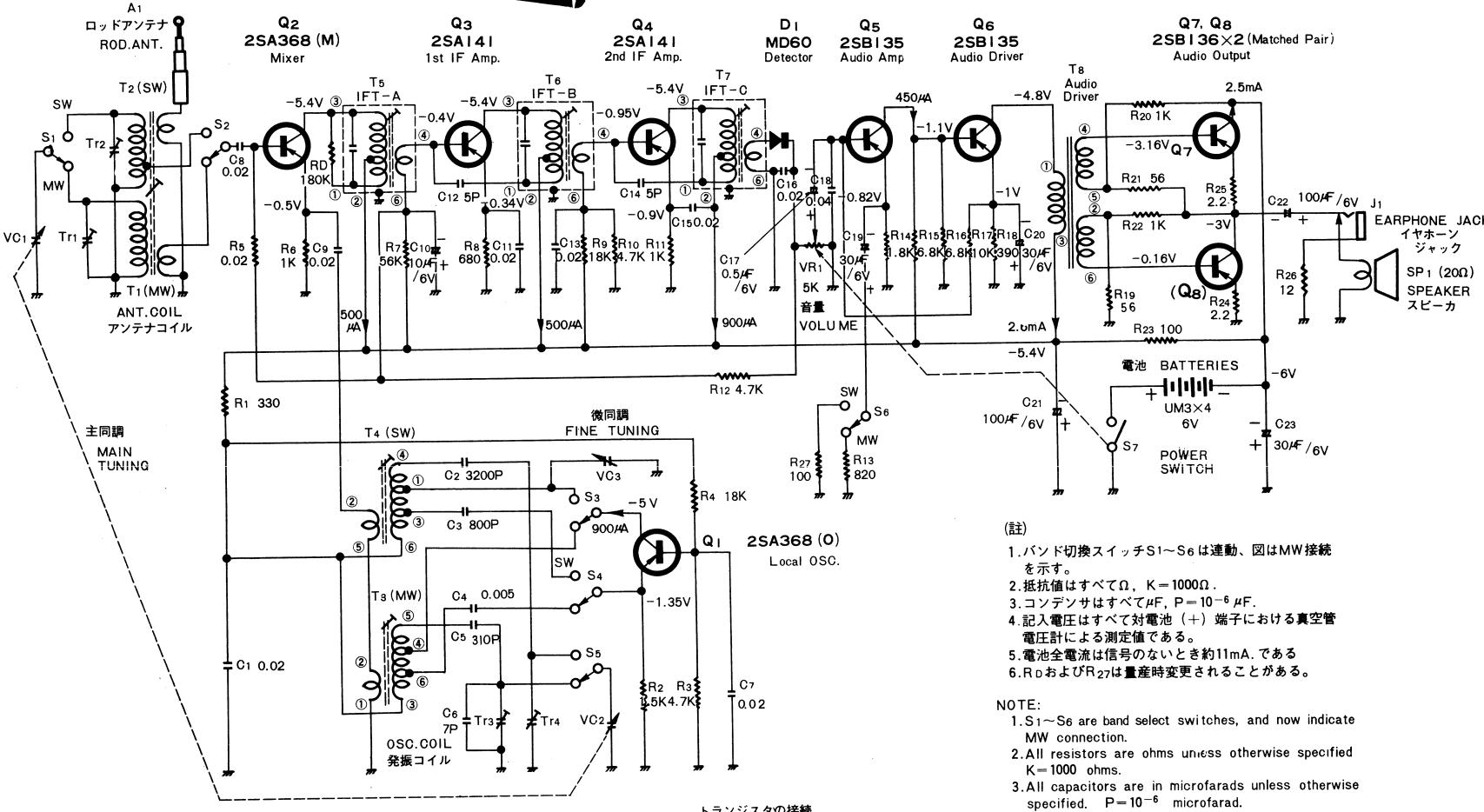
MITSUBISHI 8X-678

M40



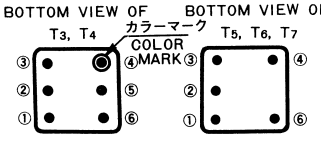


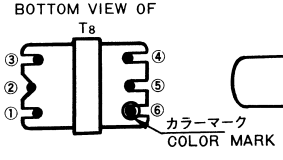
(註)

1. バンド切換スイッチS1～S6は連動、図はMW接続を示す。
2. 抵抗値はすべてΩ, K＝1000Ω.
3. コンデンサはすべてμF, P＝10^{-6} μF.
4. 記入電圧はすべて対電池（＋）端子における真空管電圧計による測定値である。
5. 電池全電流は信号のないとき約11mA. である
6. R_DおよびR_{27}は量産時変更されることがある。

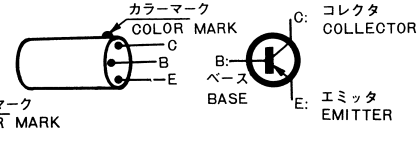
NOTE:

1. S_1～S_6 are band select switches, and now indicate MW connection.
2. All resistors are ohms unless otherwise specified K＝1000 ohms.
3. All capacitors are in microfarads unless otherwise specified. P＝10^{-6} microfarad.
4. Voltage measurements are made with a VTVM from points indicated to battery (＋) terminal.
5. With no signal and at the minimum volume control total battery drain should be approx. 13mA.
6. R_D and R_{27} may be changed at the production.





トランジスタの接続
TRANSISTOR CONNECTION



ALIGNMENT REQUIREMENT

SIGNAL GENERATOR—Use generator which provides 455 kc, 529～1605 kc and 3.8～12 Mc frequencies. Signal output should be modulated 30%. Keep output low enough to just give an indication to avoid AGC action.

INDICATOR—Connect a VTVM to the earphone jack by use of a plug or crips.

ALIGNMENT TOOL—Use a fiber or bakelite aligning tool that fits the slot in the screws of trimmers and in the cores of the oscillator coils or IFT to prevent possible body-effect or chipping of the slot.

RECEIVER—Set the volume control to maximum. The adjustments of short wave hand is critical, and therefore screws and slugs should be rotated very slowly to exact alignment point. Be sure during RF alignment that hand or any metal objects on bench do not come in close contact with antenna coil or detuning will occur and alignment will be incorrect.

調整手順表 ALIGNMENT PROCEDURE CHART

手順 Step	テストオッシレータ接続個所 Connect Signal Generator to	バンドスイッチ Band Selector to	テストオッシレータ周波数 Generator Freqeency	ダイアル指示 Dial (VC) Setting	調整箇所（出力最大に調整する） Adjust for Maximum
1	ロッドアンテナ A_1 を直接つかむ Rnd antenna A_1 (direct)	MW	455 kc	最高周波数 Maximum Frequency	T_7, T_6 および T_5 と順次に T_7, T_6 & T_5 in order
2			600 kc	600 kc	MW 発振コイル T_3 MW osc. coil T_3
3			〃	〃	MW アンテナ コイル T_1 MW ant. coil T_1
4			1400 kc	1400 kc	MW 発振 トリーマ Tr_3 MW osc. trimmer Tr_3
5			〃	〃	MW アンテナ トリーマ Tr_1 MW ant. trimmer Tr_1
6		手順2～5を繰り返す　Repeat Steps 2～5			
7	ロッドアンテナ A_1 に 8 pF のコンデンサを直列 Rod antenna A_1 through 8pF capacitor	SW	4 Mc	4 Mc	SW 発振 コイル T_4 SW osc. coil T_4
8			〃	〃	SW アンテナ コイル T_2 SW ant. coil T_2
9			10 Mc	10 Mc	SW 発振 トリーマ Tr_4 SW osc. trimmer Tr_4
10			10.90 Mc	10 Mc	イメージ信号が確認されるまで信号出力を増す。もしでないばあいは手順9に帰り，他の信号が聞かれるまで Tr_4 を反時計方向に回す。 Increase generator output until image signal is heard. If not heard, return to step 9 and Tr_4 must be rotated counter-clockwise until another signal is heard.
11			10 Mc	10 Mc	SW アンテナ トリーマ Tr_2 SW ant. trimmer Tr_2
12		手順7～9および11を繰り返す　Repeat Steps 7～9 & 11, until no further change is noted.			

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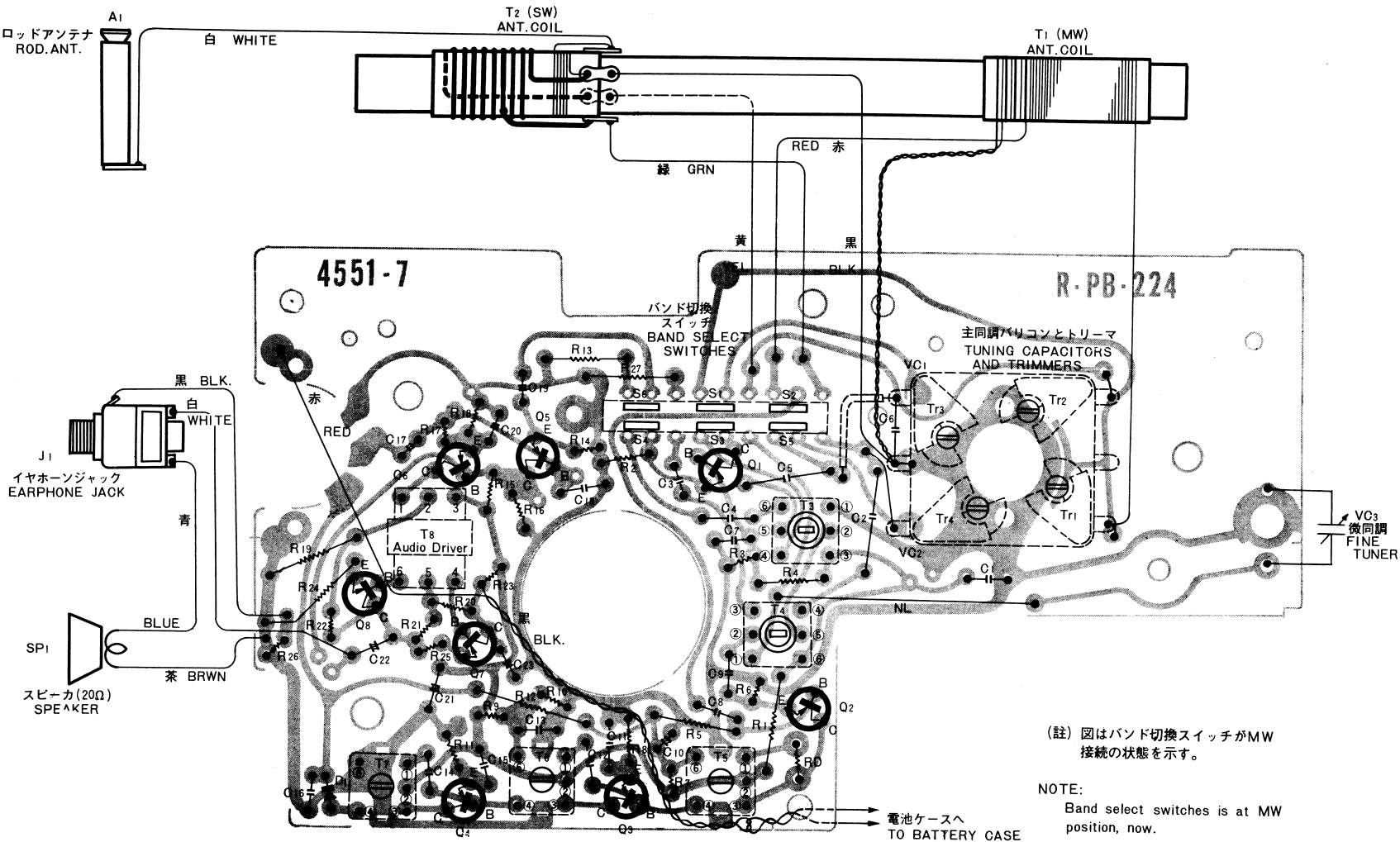

(註) 図はバンド切換スイッチがMW接続の状態を示す。

NOTE:
Band select switches is at MW position, now.

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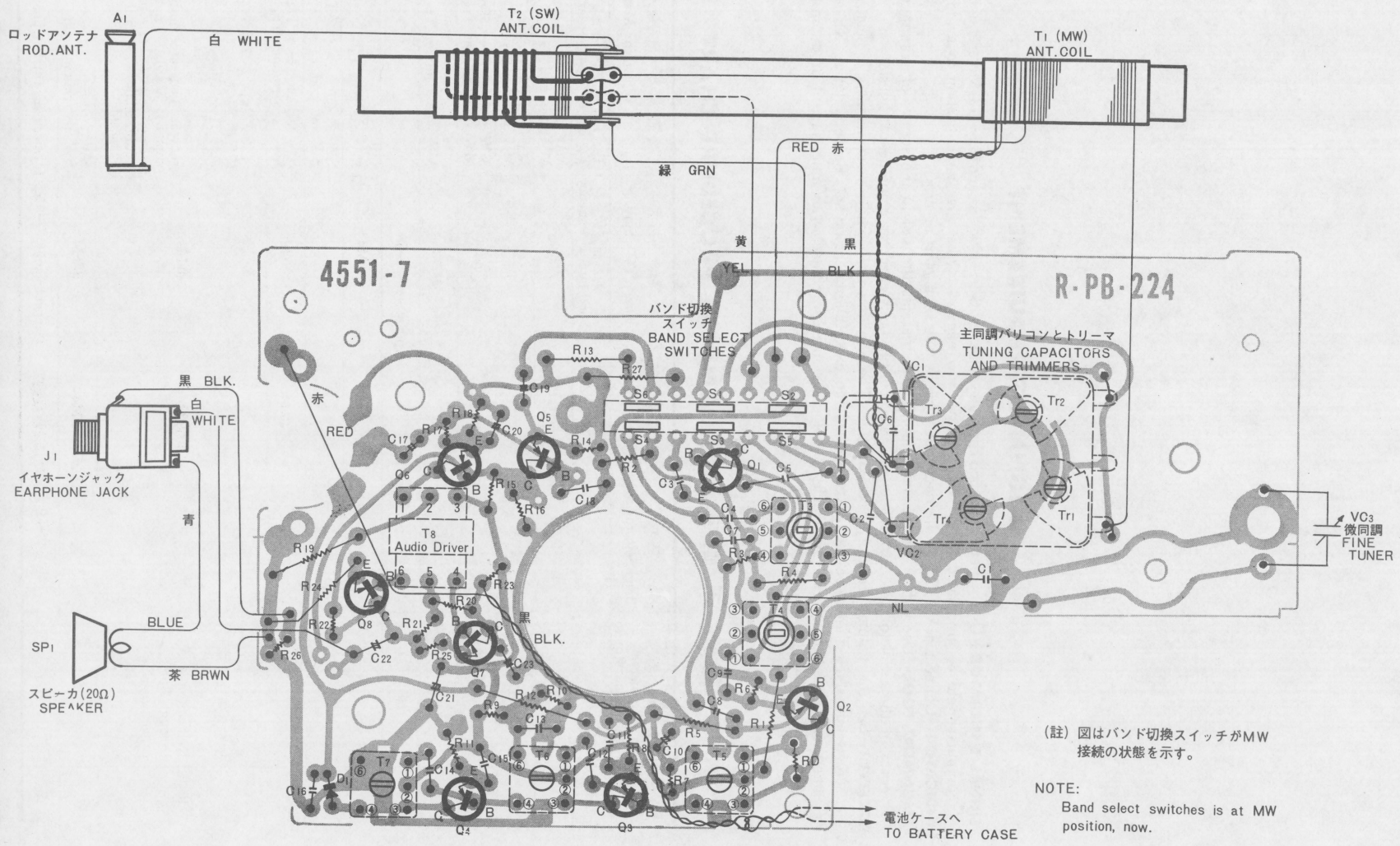

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