T25. TOSHIBA MODEL 8L-480S

ALIGNMENT PROCEDURE

The following equipment is required for alignment:

1. Signal generator with a frequency range of at least from 455KC to 12.5 MC AM.
2. Vacuum tube volt meter.
3. Test Loop, a coil of any size wire, one turn or more.
4. For alignmentst points see schematic.

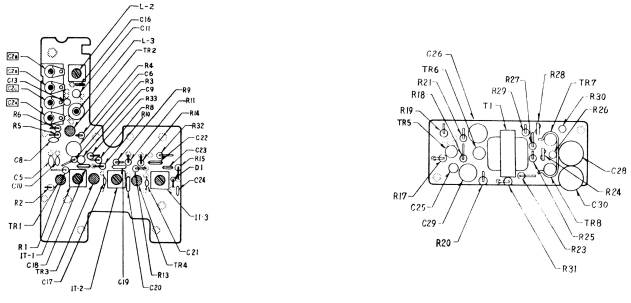
NOTES:

During alignment keep the signal generator outputs at the lowest level that will maintain a useable output from the set.

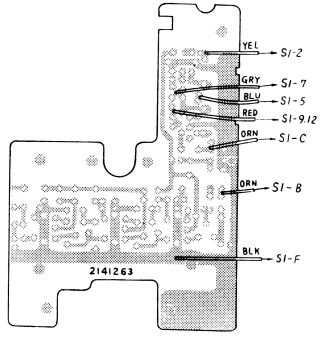
Ground connection of signal generator ..... chassis ground

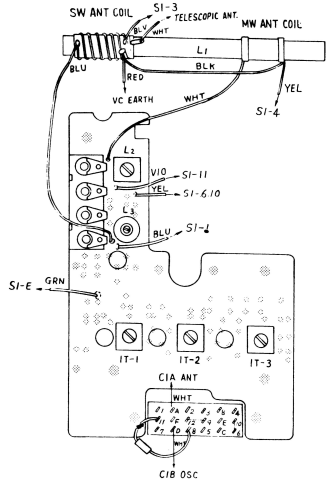
Generator modulation ..... 30%, 400 ⅋

Step	Generator Connetion	Generator Frequency	Band Setting	Position of Tuning Gang	Meter or Oscillo-scope Connection	Adjustment	Remarks
				MW ALIGNMENT			
1.	Test Loop	455KC	MW	Tuning Gang fully closed	Across Voice Coil	IT1, IT2, IT3	Adjust for maximum
2.	Same	520KC	MW	Same	Same	L2 MW (Osc. Coil)	Same
3.	Same	1660KC	Same	Tuning Gang fully open	Same	C2D MW (Osc. Trimmer)	Same
4.	Repeat Step 2 and 3						
5.	Same	600KC	Same	600KC	Same	L1 MW (Ant. Coil)	Same
6.	Same	1400KC	Same	1400KC	Same	C2B MW (Ant. Trimmer)	Same
7.	Repeat Step 5 and 6						
				SW ALIGNMENT			
1.	Test Loop	3.75MC	SW	Tuning Gang fully closed	Acrossd Voice Coil	L3 SW (Osc. Coil)	Adjust for maximum
2.	Same	12.5MC	Same	Tuning Gang fully open	Same	C2C SW (Osc. Trimmer)	Same
3.	Repeat Step 1 and 2						
4.	Same	4MC	Same	4MC	Same	L1 SW (Ant. Coil)	Same
5.	Same	7MC	Same	7MC	Same	C2A SW (Ant. Trimmer)	Same
6.	Repeat Step 4 and 5						

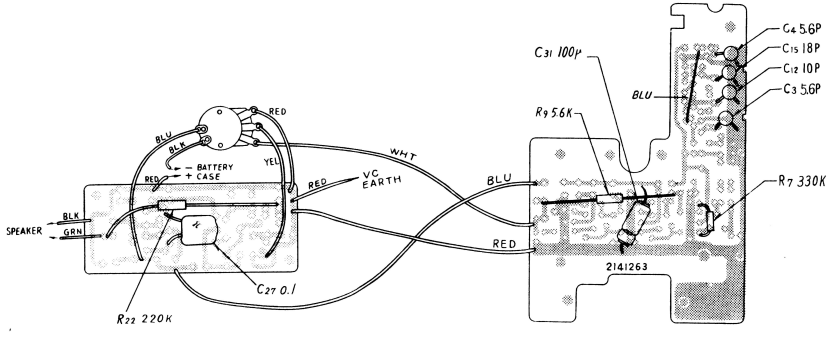


TOP VIEW

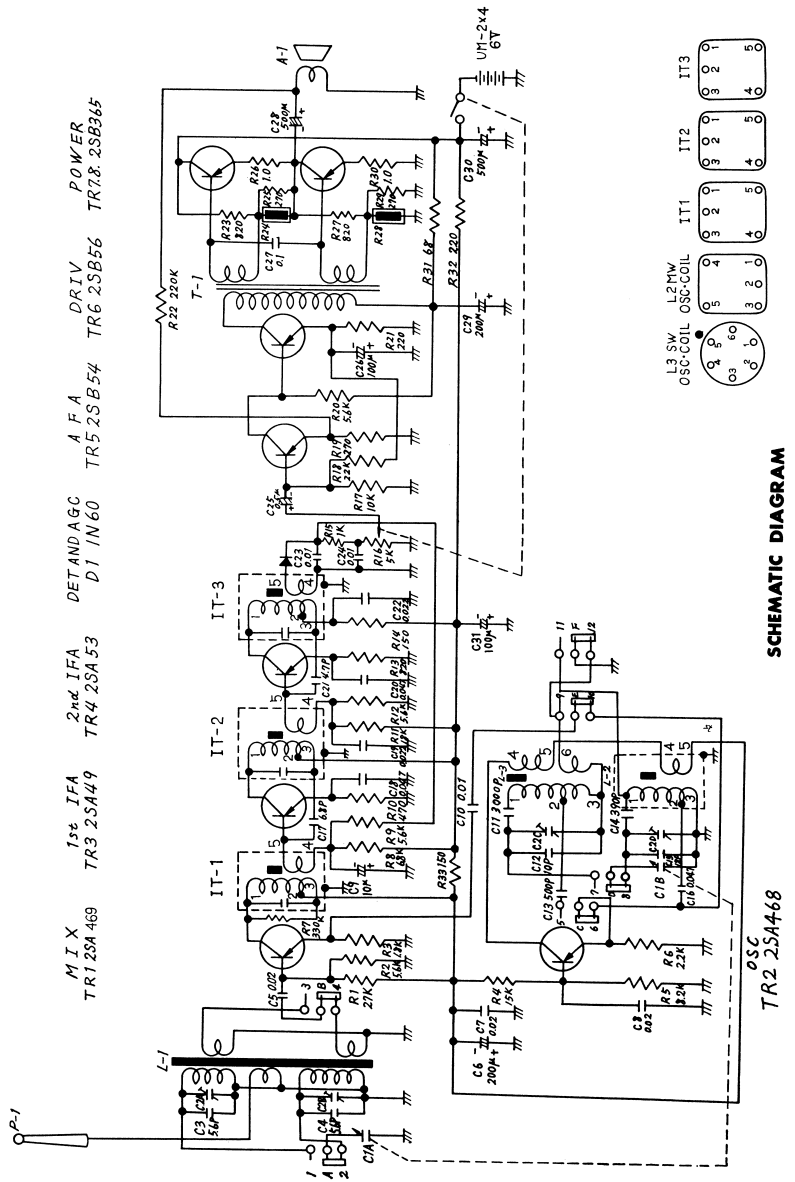




BAND SWITCH WIRING DIAGRAM



BOTTOM VIEW



SCHEMATIC DIAGRAM

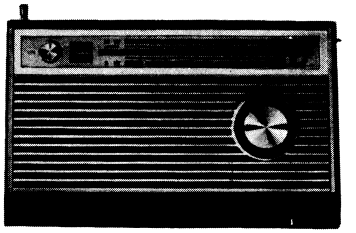
TOSHIBA TRANSISTOR RADIO
SERVICE MANUAL

SPECIFICATIONS

FREQUENCY RANGE:	MW 540~1600KC SW 3.8~12MC
INTERMEDIATE FREQUENCY:	455KC
POWER SOURCE:	UM-2A ("C")×4···(6V)
POWER OUTPUT:	700mW
SPEAKER:	3½" PMD Speaker
ANTENNAS:	One Ferrite Core Antenna (MW and SW) and 7 Section Telescopic Antenna for SW

TRANSISTORS & DIODE:

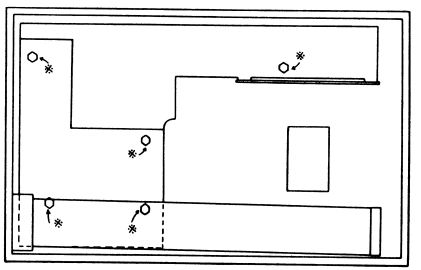
2SA 489	Mixer ·····1
2SA 468	Local Oscillator·····1
2SA 49	IF Amplifier ·····1
2SA 53	〃 ·····1
2SB 54	AF Amplifier·····1
2SB 56	〃 1
2SB 365	Power Amplifier ·····2
1N 60	Detector and AGC ·····1
DIMENSIONS:	W···9" H···5⅜" D···2⅔〃
WEIGHT:	2.6 lbs. with Batteries



CHASSIS REMOVAL

1. Open the back lid. Pull the battery case from the cabinet.
2. Remove the five nuts marked (✱) shown in the diagram. Carefully pull the chassis from the cabinet.

Remarks : When separating the chassis, do no not loosen any screw except the ones painted white enamel.



DIAL CORD STRINGING

1. Set the variable capacitor to the maximum capacitance.
2. Set the cord as number in the diagram.