

T29.

TOSHIBA MODEL 11L-805S

ALIGNMENT PROCEDURE

The following equipment is required for alignment :

1. Signal generator with a frequency range of at least from 455 KC to 13 MC, AM.
2. Vacuum tube volt meter.
3. Oscilloscope with a wide range amplifier of approximately 100 KC.
4. Test loop, a coil of any size wire, one turn or more.
5. For alignment 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 (AM)30%, 400%

Step	Generator Connection	Generator Frequency	Band Setting	Position of Tuning Gang	Meter or Oscilloscope Connection	Adjustment	Remarks
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MW, ALIGNMENT

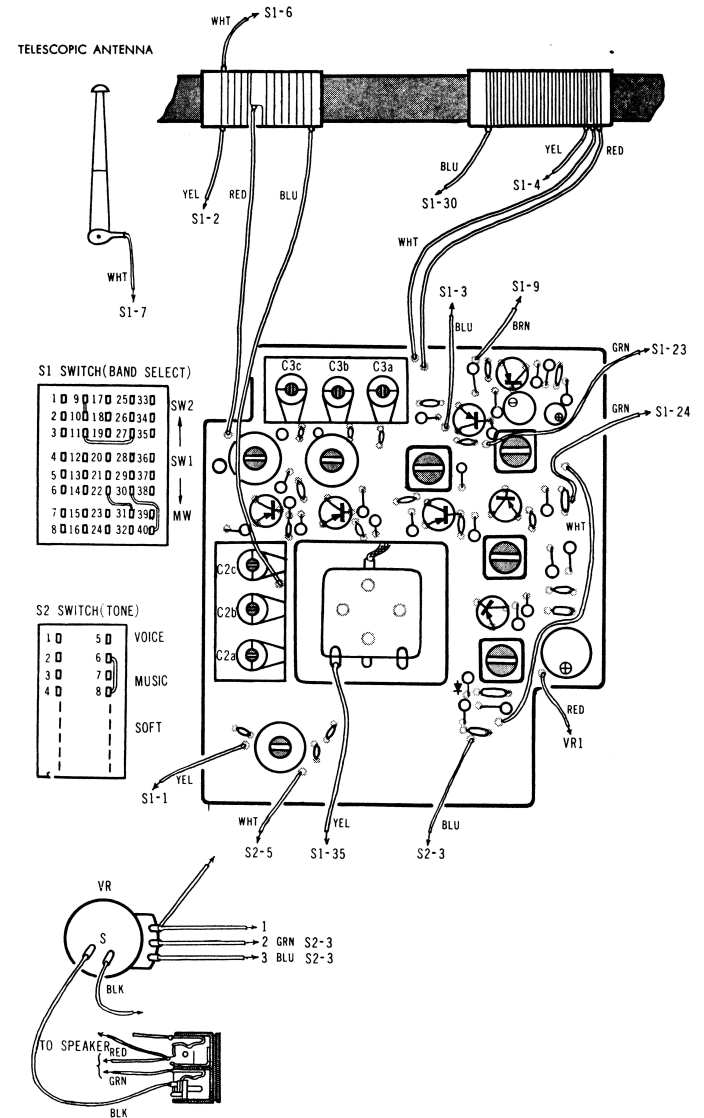
1.	Test loop	455 KC	MW	Tuning gang fully closed	Across Voice Coil	T 1, T 2, T 3	Adjust for maximum	
2.	Same	523 KC	Same	Same	Same	L 3	Same	
3.	Same	1630 KC	Same	Tuning gang fully opened	Same	C 3 a	Same	
4.	Repeat Step 2 and 3							
5.	Same	600 KC	Same	600 KC	Same	L 1	Same	
6.	Same	1400 KC	Same	1400 KC	Same	C 2 a	Same	
7.	Repeat Step 5 and 6							

SW 1 ALIGNMENT

1.	Test loop	1.56 MC	SW 1	Tuning gang fully closed	Across Voice Coil	L 4	Adjust for maximum	
2.	Same	4.65 MC	Same	Tuning gang fully opened	Same	C 3 b	Same	
3.	Repeat Step 1 and 2							
4.	Same	1.8 MC	Same	1.8 MC	Same	L 1	Same	
5.	Same	4.0 MC	Same	4.0 MC	Same	C 2 b	Same	
6.	Repeat Step 4 and 5							

SW 2 ALIGNMENT

1.	Test loop	4.35 MC	SW 2	Tuning gang fully closed	Across voice coil	L 5	Adjust for maximum	
2.	Same	12.4 MC	Same	Tuning gang fully opened	Same	C 3 c	Same	
3.	Repeat step 1 and 2							
4.	Same	5 MC	Same	5 MC	Same	L 2	Same	
5.	Same	11 MC	Same	11 MC	Same	C 2 c	Same	
6.	Repeat step 4 and 5							



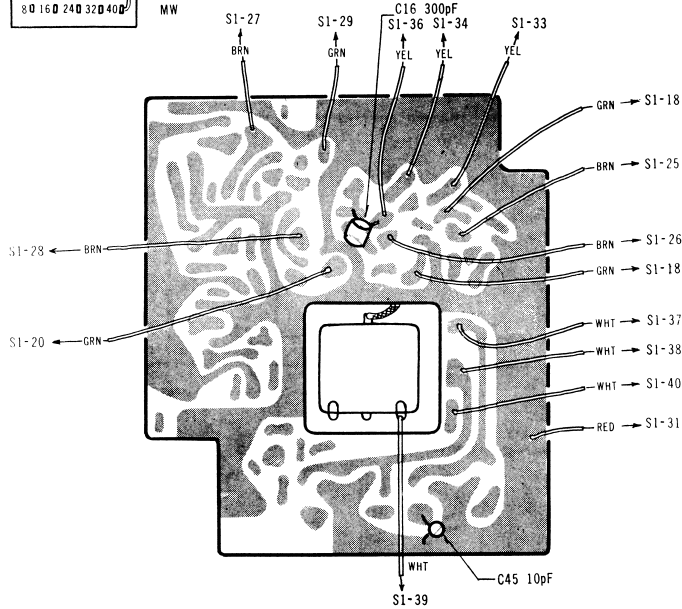
TOP VIEW OF IF SECTION

T29.

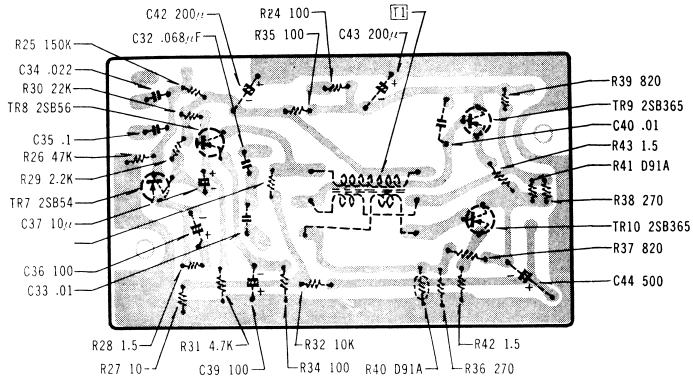
TOSHIBA MODEL 11L-805S

S1 SWITCH(BAND SELECT)

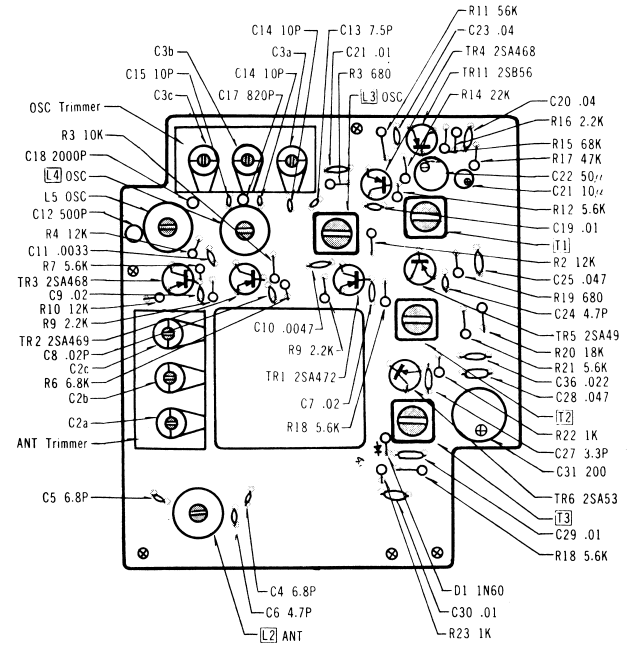
1 0 9 17 25 33 0	SW2
2 0 10 18 26 34 0	
3 0 11 19 27 35 0	
4 0 12 20 28 36 0	SW1
5 0 13 21 29 37 0	
6 0 14 22 30 38 0	
7 0 15 23 31 39 0	MW
8 0 16 24 32 40 0	



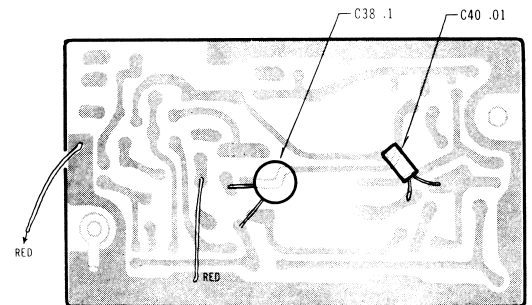
BOTTOM VIEW OF WIRE CONNECTION



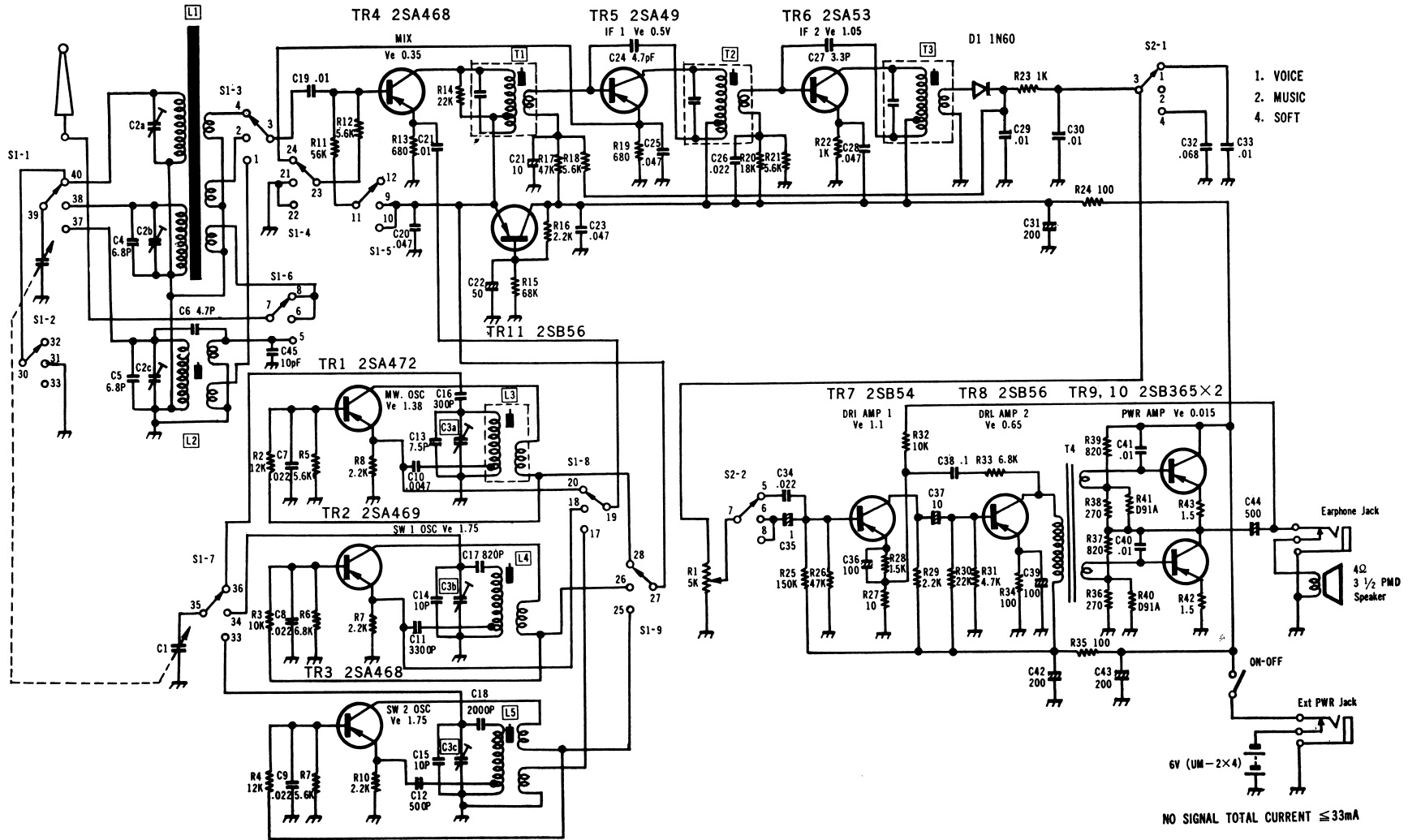
BOTTOM VIEW OF TUNER SECTION



TOP VIEW OF IF SECTION



BOTTOM VIEW



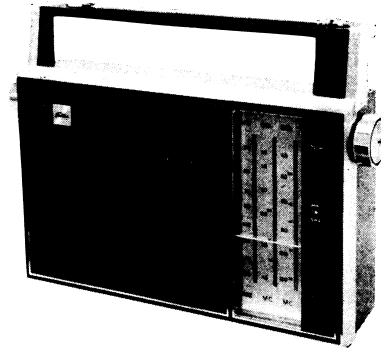
SCHEMATIC DIAGRAM

TOSHIBA TRANSISTOR RADIO

SERVICE DATA

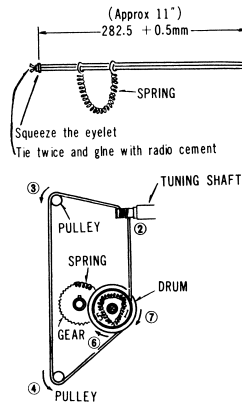
SPECIFICATIONS

FREQUENCY RANGE :	MW 530~1600 KC
	SW1 1.6~4.5 MC
	SW2 4.5~12 MC
INTERMEDIATE FREQUENCY :	455 KC
POWER SOURCE :	UM-2 ("C") × 4...6V
POWER OUTPUT :	700 mW (Max.)
SPEAKER :	3½" P.M.D. Type
ANTENNAS :	Ferrite Core Antenna & Telescopic Antenna
JACKS :	Earphone Jack & External Power Jack
TRANSISTORS & DIODE :	
TR 1	2SA472 Oscillator
TR 2	2SA469 Oscillator
TR 3, TR 4	2SA468 Oscillator & Mixer
TR 5	2SA49 IF Amplifier
TR 6	2SA53 IF Amplifier
TR 7	2SB54 AF Amplifier
TR 8, TR 11	2SB56 AF Amplifier & Power Supply
TR 9, TR 10	2SB365 Power Amplifier
D 1	1N60 Detector A.G.C.
DIMENSIONS :	W...9¼", H...5½", D...2⅝"
WEIGHT :	5.5 lbs (With Batteries)
ACCESSORY :	Earphone



DIAL CORD STRINGING

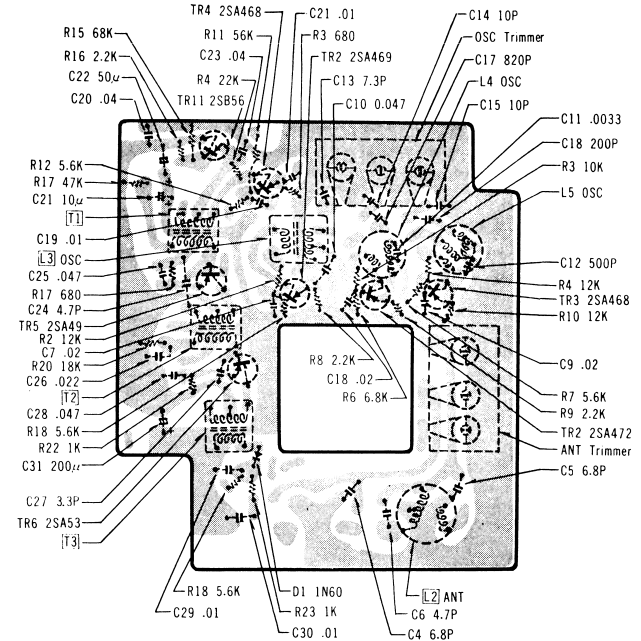
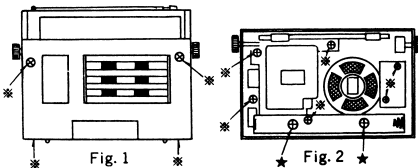
1. Set the variable capacitor to the minimum capacitance. (Open)
2. Set dial cord as number in the diagram.



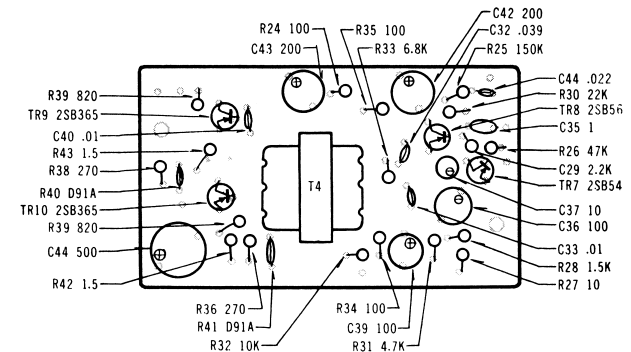
- ### CHASSIS REMOVAL
1. Remove the tow knobs (TONE and BAND SELECT).
 2. Remove the four screws marked (※) Shown in the Fig. 1.
 3. Open the back lid and remove two screws marked (★) Shown in Fig. 2.
 4. Remove six screws marked (※) Shown in Fig. 2.
 5. Remove the battery case.
- Carefully pull the chassis from the cabinet.

Remarks :

When separating the chassis, do not loosen any screw except the ones pointed with white enamel.



BOTTOM VIEW OF IF SECTION



TOP VIEW OF AF SECTION