

Switch the standby-operate-call switch to **STANDBY**. The noise from the speaker shall cease and the meter needle shall move to the black field. Within 10-15 seconds, the noise from the speaker shall be heard again and the meter needle moves to the red field. Wait for this cycle to repeat itself several times, then switch to **OPERATE**.

Rotate the channel switch step by step from channel 1 to 24 and check that some noise and/or signal is heard on each channel.

Push the push-to-talk (PTT) switch and observe the meter needle. It shall move into the red field. Now whistle into the speaker/microphone. The needle shall move a little. The same applies while pressing and releasing the call switch between operate and call.

Repeat this check on each channel from 1 to 24. This completes the checkout.

OPERATION

Extend the rod antenna competely and switch the transceiver **ON** by rotating the volume control clockwise.

Rotate the channel switch to the desired channel.

Adjust the volume control to a comfortable level.

Press the PTT switch and talk with a normal voice into the speaker/microphone from a distance of 5-10 cm. After completing your transmission, release the PTT switch, and the transceiver is ready for reception. Always remember that your opposite party cannot hear you while he is transmitting.

Adjust the squelch control so that the background noise just disappears during non-transmitting periods of your opposite party.

For stand-by operation, switch the **STANDBY-OPERATE-CALL** switch to **STANDBY**. Remember that the transceiver is 10 seconds **OFF** and 2 seconds **ON** and that your opposite party has to call for at least 10-15 seconds so that you can receive the call. Call either by voice or by the built-in tone call for this duration.

To answer the received call, switch to **OPERATE**, push the PTT switch and talk into the speaker/microphone.

To receive weak signals, turn the squelch control fully counter-clockwise so that the ANL is switched **OFF**.

To switch the transceiver **OFF**, turn the volume control fully counter-clockwise until a click is heard and the meter needle moves into the black field.

Important:

If you will not operate the transceiver for a long time, remove the batteries from the equipment so that they will not corrode and damage the transceiver. The same applies if you use the transceiver continuously with an external power supply.

ACCESSORIES

To install N500AA rechargeable nickel-cadmium batteries, follow the instructions under the Chapter **UNPACKING AND CHECKOUT** of this manual.

Charge the N500AA nickel-cadmium batteries by plugging the 1236 charger into the charger jack. Charge for 14 hours. It is not possible to operate the transceiver during charging.

To use the transceiver with the NT30AC power supply, plug it into the external power jack. For using a different power supply, it is recommended to select a low ripple, stabilized supply, delivering at least 1 ampere at 12V with a maximum output voltage of 16V.

To connect the transceiver to a 12V automobile battery, use an 1 ampere fuse in series with the positive wire. Solder the positive wire to the center of the external power plug and the negative wire to its fin.

In case you use the transceiver with the RA1608 rubber antenna, screw out the telescopic antenna and replace it with the rubber antenna.

For private listening, plug the earphone into the earphone jack. The internal speaker will be disconnected.

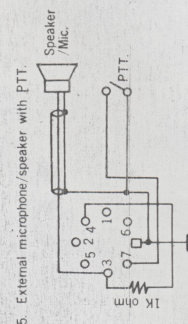
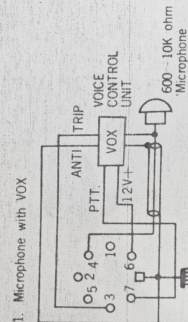
To operate the transceiver with a 50 ohm external antenna, plug the coaxial connector into the external antenna jack and remove, if installed, the RA1608 rubber antenna.

MICROPHONE JACK

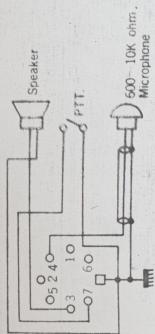
The 7-pin DIN standard accessory jack has the following internal connections:

1. Internal speaker
2. AF. out for selective call.
3. Audio output (Z 8 ohm-10K ohm)
4. Microphone input (Z 600-10K ohm) Case=ground
5. Internal microphone input (Z 1K ohm)
6. +12V for VOX unit etc.
7. Transmit/Receive switching.

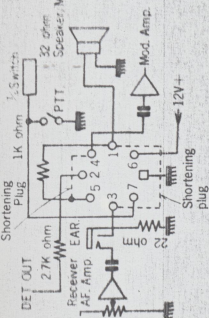
Always operate the transceiver with the microphone plug inserted in the microphone jack, or with the following external connections:



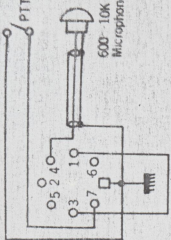
2. Headset or Telephoneset with PTT.



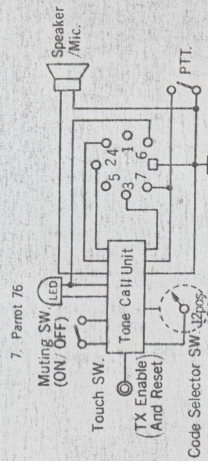
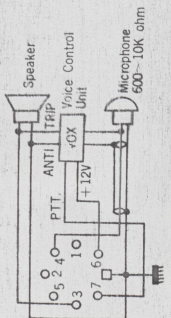
6. Internal connection



3. External microphone



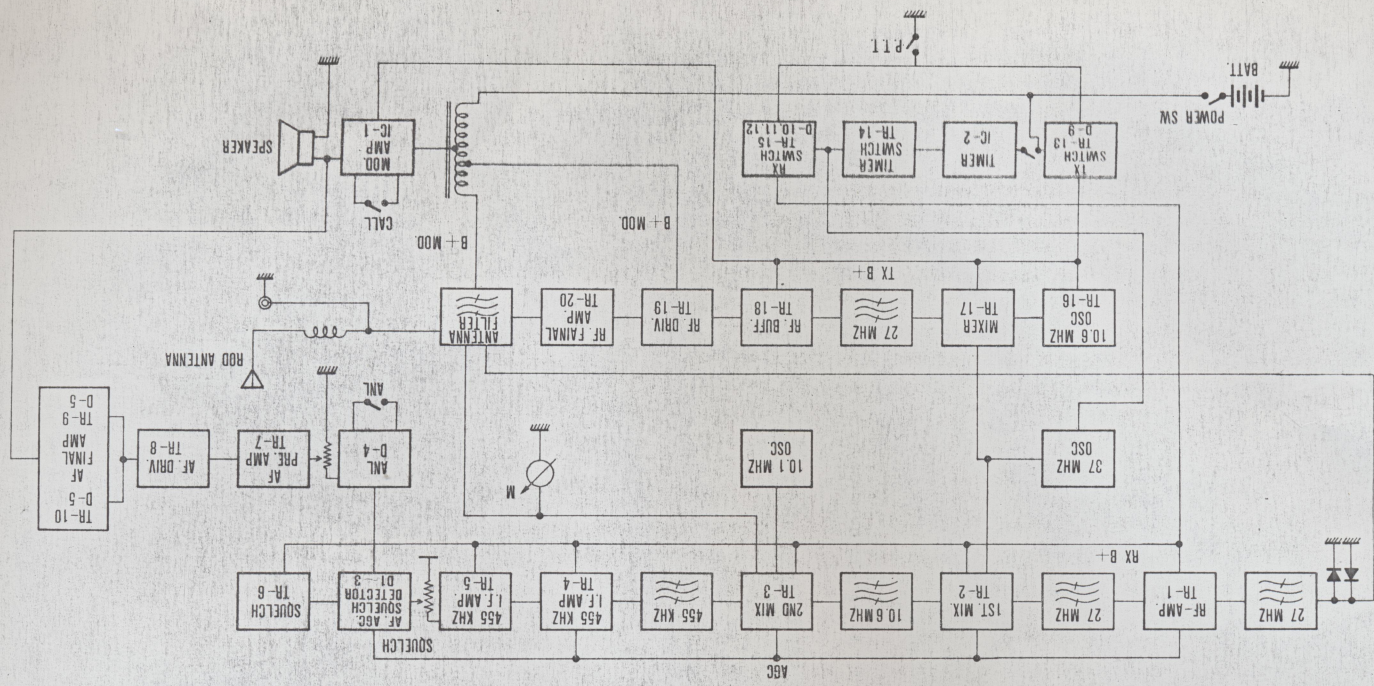
4. Headset or Telephoneset with VOX



LIST OF CHANNEL FREQUENCY

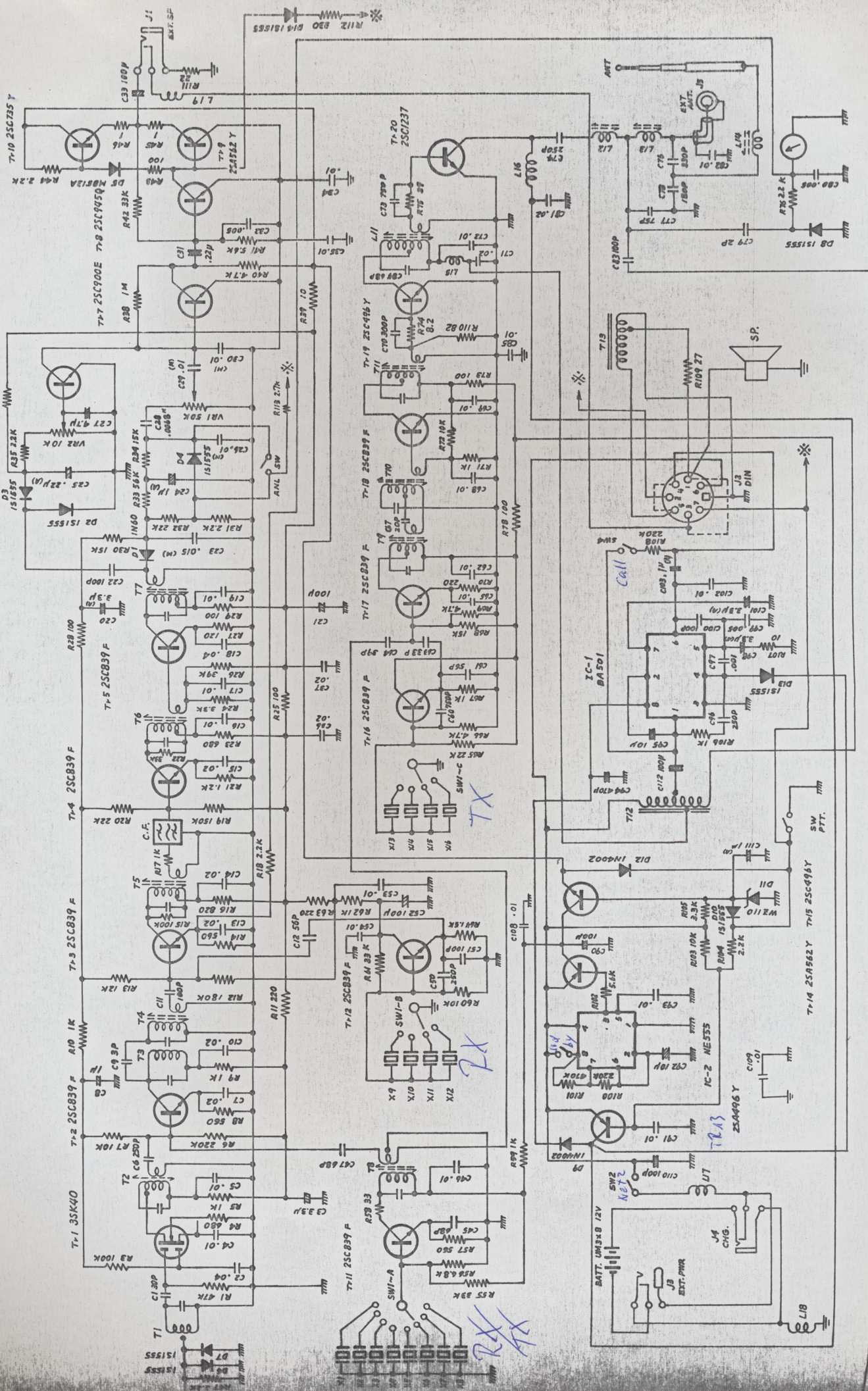
CH.	FREQ. MHz	CH.	FREQ. MHz	CH.	FREQ. MHz
1	26.965	10	27.075	19	27.185
2	26.975	11	27.085	D	27.195
3	26.985	11A	27.095	20	27.205
A	26.995	12	27.105	21	27.215
4	27.005	13	27.115	22	27.225
5	27.015	14	27.125	E	27.235
6	27.025	15	27.135	F	27.245
7	27.035	C	27.145	23	27.255
B	27.045	16	27.155	G	27.265
8	27.055	17	27.165	24	27.275
9	27.065	18	27.175		

BLOCK DIAGRAM

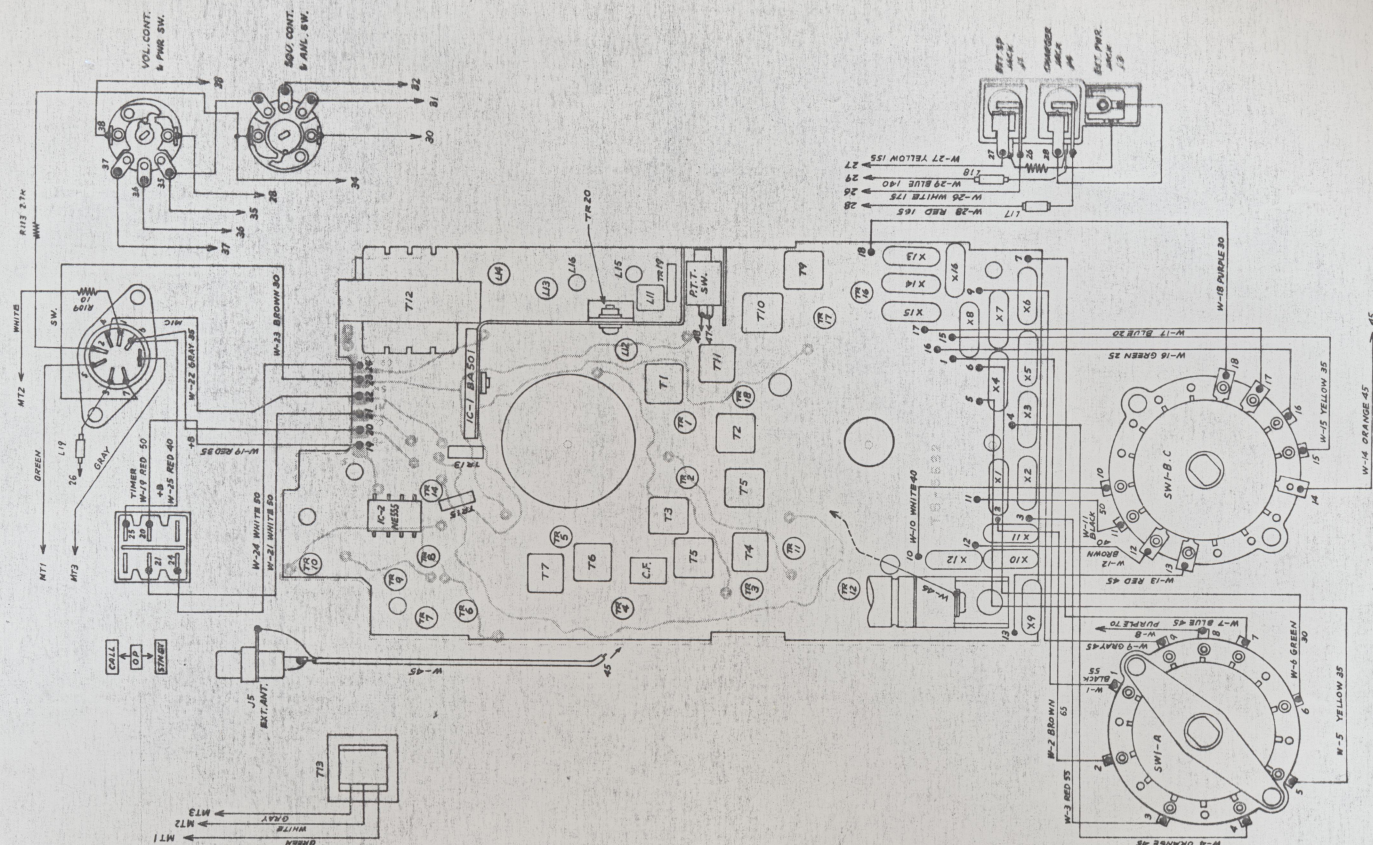


CIRCUIT DIAGRAM

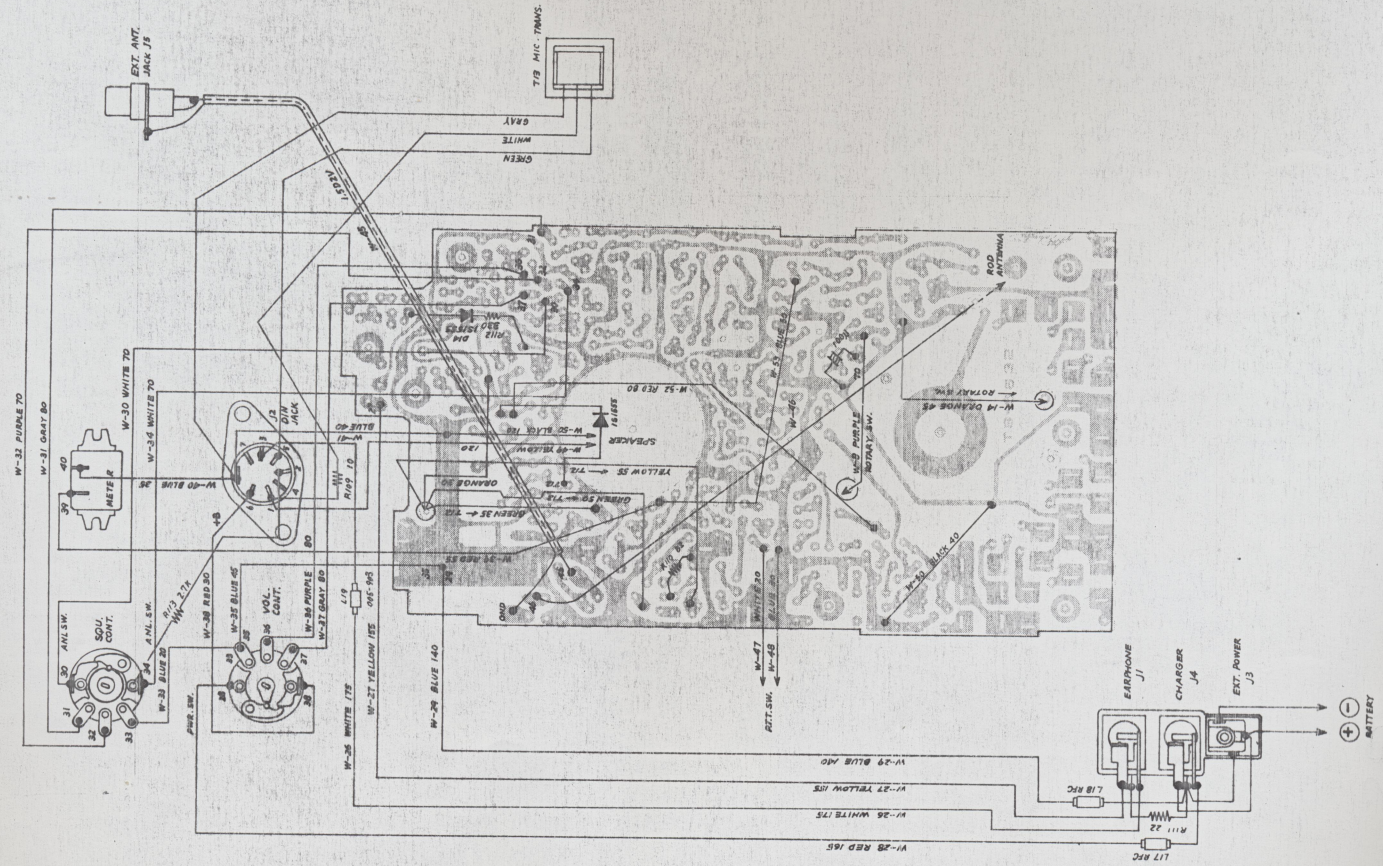
T-6 25C945 Q



WIRING LAYOUT UPPER VIEW



WIRING LAYOUT BOTTOM VIEW



PARTS LIST for TS-5632

DESIGNATION	PARTS NAME	PARTS NO.
MP-5601	Cabinet Front	492023
MP-5602	Cabinet Top	493037
MP-5603	Cabinet Back	492021
MP-5604	Cabinet Cover for BATT.	493039
MP-5605	Speaker Grill	493038
MP-5606	Bushing for Rod Antenna	494205
MP-5607	Knob for VOL/SQU Control	494199
MP-5608	P. T. T. Button Assembly	494200
MP-5609	Cabinet Bottom Plate	494198
MP-5610	Mounting Bracket for Rod Antenna	494202
MP-5611	Cap for EXT. ANT. Jack	494204
MP-5612	Frame for P. C. B.	494196
MP-5613	Heatsink for 2SC1237	494215
MP-5614	Mounting Bracket for Microswitch	494216
MP-209	Mounting Bracket for Speaker	474009
MP-5615	Brand plate	494212
MP-5616	P. T. T. Button Plate	494211
MP-5617	VOL/SQU Plate	494208
MP-5617	Toggle Switch plate	494210
MP-5619	Back plate	494213
MP-5620	DIN type Jack plate	494209
MP-5621	Channel Indicator plate	494231
MP-5622	Battery Case Holder	494207
MP-5623	Supporter for P. C. B.	494227
MP-5624	Speaker Net	494229
MP-5625	Rod Antenna Cover	494219
MP-5626	Knob for Channel Selector	494226
PP-5601	Carrying Case	CC-5632
PP-5602	Instruction Manual	IM-5632
PP-5603	Gift Box	GB-5632
AP-5601	Plug for EXT. Power Jack	S-H4001
TR1	FET	3SK40
TR10	Transistor	2SC735 Y
TR14, 9	Transistor	2SA562 Y
TR19, 15	Transistor	2SC496 Y
TR13	Transistor	2SA496 Y
TR20	Transistor	2SC1237
TR7	Transistor	2SC900E
TR6, 8	Transistor	2SC945Q
TR2, 3, 4, 5, 11, 12, 16, 17, 18	Transistor	2SC839E