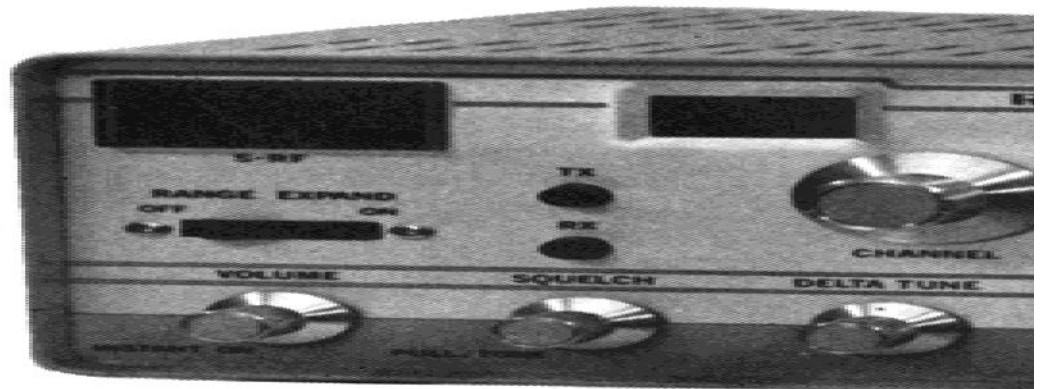

ROBYN II

MODEL T

5 WATT 40 CHANNEL
CITIZENS
BAND TRANSCEIVER



ROBYN

ROBYN INTERNATIONAL agrees to repair or replace any accessories which are defective in material or workmanship when returned to us with transportation prepaid, provided:

- (1) The enclosed warranty is attached
- (2) Notice of claimed defect is received within 90 days of the date of purchase
- (3) Any failure due to use or abuse shall not be deemed covered

The guarantee of these accessories is no less than **ROBYN INTERNATIONAL** provides. **ROBYN INTERNATIONAL** reserves the right to make changes or improvements in its products without charge. We will install the changes in previous models without charge.

No other warranties, express or implied, shall constitute the Buy-Back Guarantee. In no event shall we be liable for consequential damage or expense directly caused by the use of our products either separately or in combination.

If it should be necessary to return your correspondence to:

ROBYN INTERNATIONAL
Service Repair Department
Northland Drive
Rockford, Michigan 48065
P.O. Box 478

Give full particulars including date of purchase, type of defect, and a description of the defect. Defective, such notice must give you a copy of the original invoice. Upon receipt of the unit, we will return it to you with instructions for returning it to us.

Failure to follow these instructions will void the warranty.

1. Type, number, and name of product
 2. Sales receipt or copy to verify purchase
 3. Nature of trouble, cause if known
 4. Complete instructions detailing the defect
 5. Your name and return address
- It is important to use the same name and address when returning the unit to us.

Dimensions
Net Weight
Power Supply
Power Consumption

Channels

RECEIVER

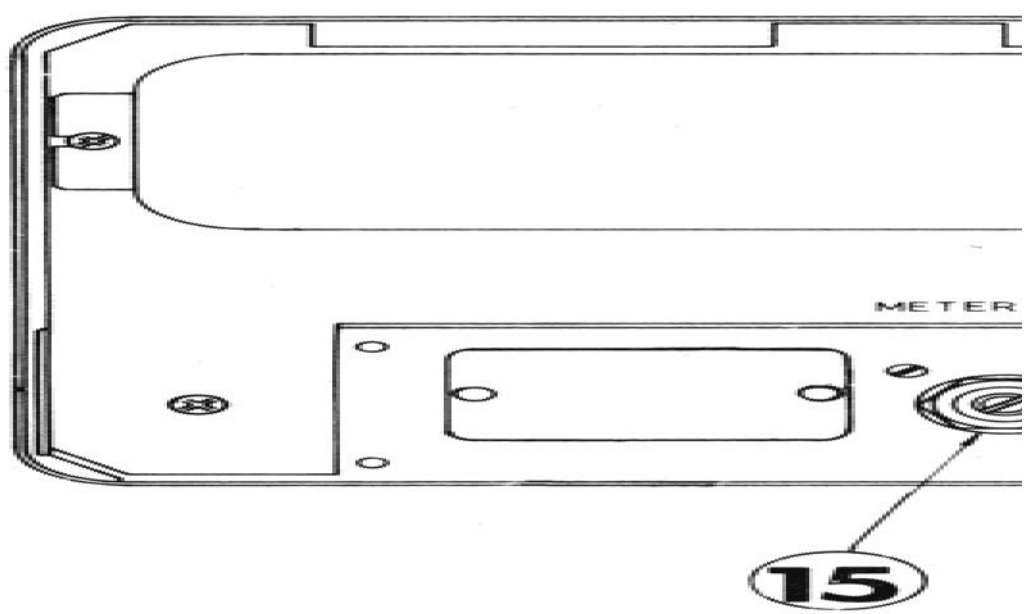
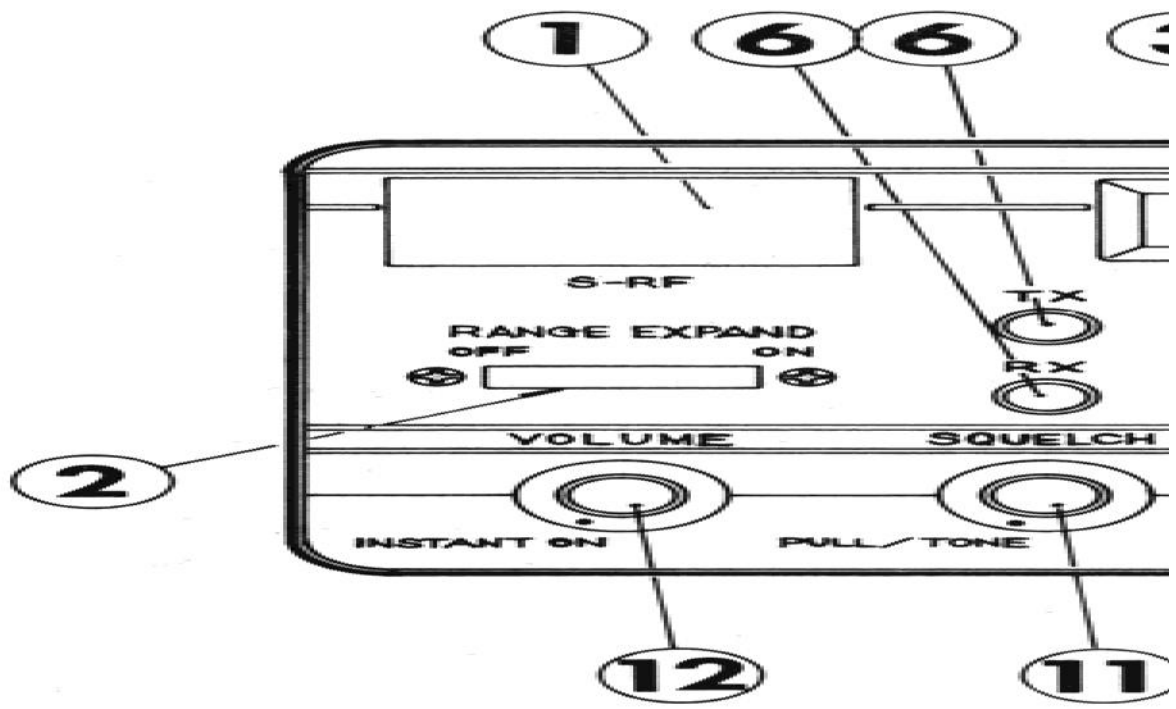
Input Impedance
Sensitivity
Selectivity
Intermediate Frequency
Image Rejection
Audio Output
External Speaker Impedance

TRANSMITTER

RF Power Output
Modulation
Harmonic Suppression
Frequency Stability
Output Impedance

CHANNEL INDICATION

MHz	CH	M
26.965	1	27
26.975	2	27
26.985	3	27
27.005	4	27
27.015	5	27
27.025	6	27
27.035	7	27
27.055	8	27
27.065	9	27
27.075	10	27



OPERA

- 1) Illuminated Meter — indicates the transmitter.
- 2) Range Expand Switch — used with distance stations.
- 3) Channel Indicator — Desital
- 4) Channel Selector — rotating
- 5) Speaker — 5 round speaker
- 6) Mode Indicators — TX (BLU lights will not light if PA sw in. — EXT. SPKR (GOLD) if the PA switch and the EXT.
- 7) CB/PA switch — CB position transceiver as a public address your transceiver either in system. (EXT. SPKR switch
- 8) Microphone Connector — unit.
- 9) RF Gain — not just a switch
- 10) Delta Tune — Enables you
- 11) Squelch Control — this controls channel. Squelch is adjusted PUSH-PULL TONE SWITCH
- 12) Volume/Instant-on Switch — clockwise position it operates volts on the filaments when
- 13) Antenna Connector — this antenna.
- 14) Power Connector — this connects
- 15) Meter Adjust — this adjusts
- 16) EXT PA/CB Speaker Jack
- 17) BASE Speaker Jack — standard
- 18) MOD. light (RED) — will flash

BASE STATION

AC POWER CONNECTION

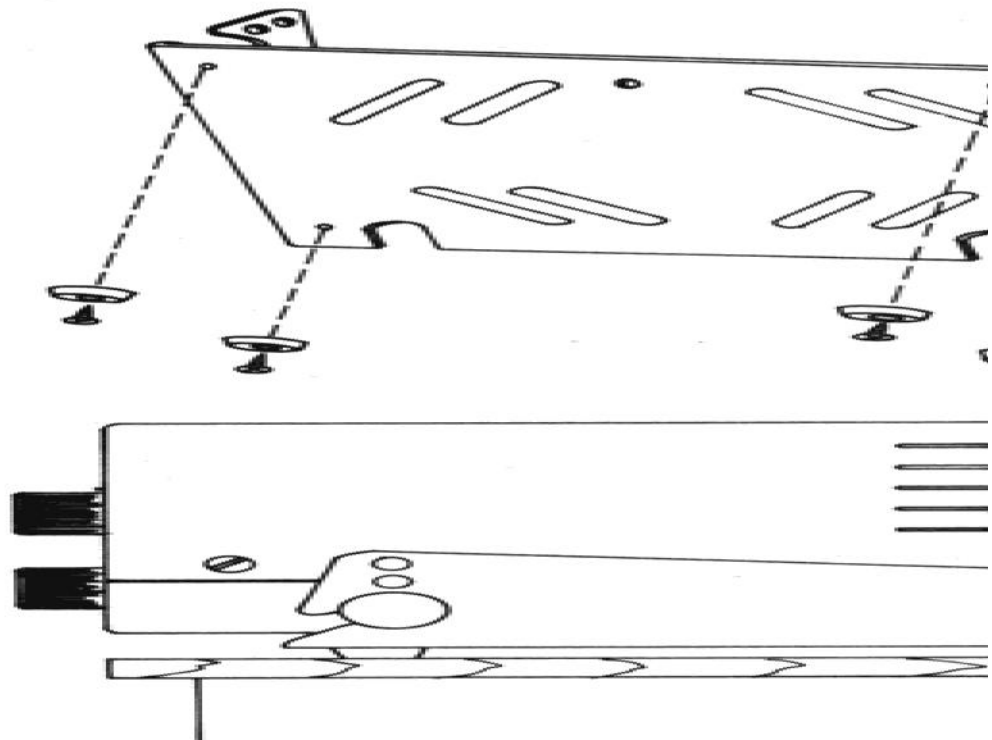
Select the AC power cord and connect it to the unit. ALWAYS LINE UP THE CORD WITH THE AC POWER PLUG OR ONTO THE TRANSCEIVER'S POWER PLUG PINS, WHEN IT IS PROPERLY CONNECTED, THE TRANSCEIVER IS IN THE CLOCKWISE POSITION OF THE AC OUTLET. FOR PROTECTION OF THE UNIT.

MICROPHONE CONNECTION

Attach the four pin connector to the microphone connector in the center of the knurled ring.

ANTENNA CONNECTION

The antenna lead-in cable (RG-58) should be connected to the antenna connector which should then be tightened.



MOUNTING BRACKET

The mobile mounting bracket of the transceiver. When so to allow the transceiver to be set

MOB

TRANSCEIVER LOCATION

Before installing the transceiver which permits the driver to operate functions. The transceiver can be mounted in front of or above the drivers head if installing the four (4) knurled screws of the screws and drill holes for

After mounting the bracket, secure with screws.

DC POWER CONNECTION

CAUTION: THE TRANSCEIVER IS NOT TO BE CONNECTED TO A NEGATIVE GROUND SYSTEM. IT

The red wire in the DC power lead is connected to the positive terminal of the vehicle. This lead is fused for 10 amperes. The black wire is connected to the negative terminal of the vehicles battery. The battery is mounted on the chassis.

When the red and black leads are connected to the power cord should then be attached to the keyway properly before force the connector onto the

MICROPHONE CONNECTION

Attach the 4-pin connector at the rear of the transceiver on the transceivers front plate

ANTENNA

The type of antenna best suited for mobile use is either of the loaded type, or a whip antenna mounted on a ground plane. The antenna should be mounted on the roof. When purchasing your antenna, make sure it is included with the antenna.

For optimum results of the mobile antenna, the length should be 11' 9" or multiples thereof. If the antenna used can be tuned, it should be tuned to the frequency. The lead-in cable should be terminated at the antenna connector at the

GENERAL

RECEIVER SECTION

This Robyn Transceiver is designed for excellent reception. The circuit is a highly sensitive IF amplifier. Full 40 channels synthesized circuit consisting of

The receiver section includes squelch control, an adjustable squelch level, an automatic noise limiter, a fine tune which has a range of 2KHz frequency. The exclusive instant on listening to the receive from the

TRANSMITTER SECTION

The transmitter is designed to provide excellent transmission. The circuit is a PLL synthesized circuit used in channel PLL controlled operation. Plate modulation provides high output power to the final RF stage in the transmit mode.

OPERATION

RECEIVE MODE (GREEN LIGHT)

Place the CB/PA Switch in the receive position, clockwise position, and select the channel. The volume control will click, and the unit is in receive mode. Set the volume control about 50%. A characteristic rushing sound will be heard at the listening level.

SQUELCH ADJUSTMENT

The squelch control is used to adjust the squelch level to the channel. To adjust the squelch level, turn the volume up to a fair level. In the receive position the receiver will be quiet. As the squelch is advanced the squelch action is adjusted to the threshold. To receive extremely quiet channels, the squelch control fully counter-clockwise.

In the PULL/TONE position of the CB/PA switch is pulled out. This does

DELTA TUNE

The delta tune control has a range that is slightly off frequency. It is used for fine tune stations that are either in reception and the highest "S" meter reading.

S/RF METER

During the receive mode, the meter indicates the strength of the coming signals. The S meter is calibrated to read 100 microvolts at the antenna terminals and with no antenna connected. The "Meter Adjust" slot at the rear of the unit is used to calibrate the meter.

In the transmit mode, the meter indicates the power output of the transmitter. A true value only when the transmitter is connected to a transmission line do not connected.

RF GAIN

This control permits the listener to adjust the volume of the receiver when talking to a close station.

TRANSMIT MODE (RED LIGHT)
IT IS ILLEGAL TO OPERATE THIS UNIT IN TRANSMIT MODE WHILE RECEIVING A VALID STATION SIGNAL. FEDERAL COMMUNICATIONS REGULATIONS DEALING WITH THIS MATTER ARE WELL UNDERSTOOD.

Before using the unit to transmit, be sure you are on the correct channel on which you want to transmit. To transmit, simply push the microphone button at a 45 degree angle, speak into the microphone and you are transmitting a signal.

When talking to a local station, adjust the microphone gain and will be heard by the other contacts.

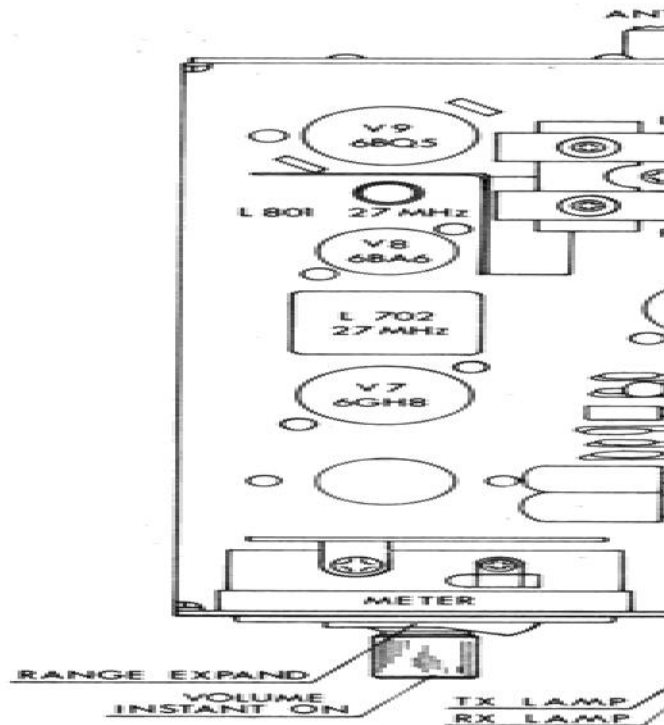
When the unit is transmitting, the red light will be on. you are in the transmit mode. When the red light is off, it is not transmitting. Each station has a push-to-talk switch.

PUBLIC ADDRESS OPERATION
Provision has been made for connecting an external 8 ohm speaker into the unit. To use the speaker, simply press the push-to-talk switch on a CB channel. Your voice will be heard by all contacts on that channel.

The rear BASE jack may also be used for connecting external headsets. If headsets are plugged into this jack, the speaker will be disengaged and the headphones will be used for listening.

FCC REGULATIONS REQUIRE
BE MADE UNDER THE SUPER
COND CLASS RADIO TELEPH

As an aid to the service techn
gram identifying components, a
are in instructions for aligning r



SIMPLE TRC

TUBES

Tubes may be checked in a do
to a service shop for testing.
Before replacing tubes in the t
the correct tube location.

SOLID-STATE DC POWER SU

This transceiver employs a soli
ration (no vibrator is used). Th
with a light protective coating

transistors be allowed to come
cause a shortcircuit and may de

PILOT LAMPS

There are a pilot lamp and five
into the meter. This is run c
almost indefinitely.

FUSES

The 12-volt DC power cable us
also been made for fusing the p
located within the transceiver (r

In the event of complete failure
be checked first. If it has failed,
would indicate a serious fault in

FEDERAL COMMUNICATIONS COMMISSION

Your new Robyn transceiver is designed for Class D operation on any of the frequencies listed in the FCC Part 97.303 and regulations prior to operation. Please read the FCC FORM 505 your license and with this unit prior to receipt of the unit.

NOTE:

The technical information, diagrams, and instructions are for the use of a qualified holder of a first or second class license. It is the user's responsibility to see that the unit is operated in accordance with the Citizens Radio Service regulations. If you install or service your own unit, transmitter adjustment is required. Transmitter adjustment is required for radiotelephone license or are in the process of obtaining an Amateur license is not sufficient.

ROBYN INTERNATIONAL
CERTIFIES THAT THIS UNIT
AND MANUFACTURED IN
PART 95 OF THE FEDERAL
COMMUNICATIONS COMMISSION
AS OF THE DATE

