This Information Is Provided By

CBTricks.com

Realistic TRC-438 Service Manual

Liability of damages to any equipment is the sole responsibility of the user! Downloading, viewing, or using any information provided on these pages automatically accepts the user to the terms of this agreement!

Modifications are provided for information purposes only!

Supporters of CBTricks.com paid for the hosting so you would have this file.

CBTricks.com is a non-commercial personal website was created to help promote the exchange of service, modification, technically oriented information, and historical information aimed at the Citizens Band, GMRS (CB "A" Band), MURS, Amateur Radios and RF Amps.

CBTricks.com is not sponsored by or connected to any Retailer, Radio, Antenna Manufacturer or Amp Manufacturer, or affiliated with any site links shown in the links database. The use of product or company names on my web site is not endorsement of that product or company.

The site is supported with donations from users, friends and selling of the Site Supporters DVD's to cover some of the costs of having this website on the Internet instead of relying on banner ads, pop-up ads, commercial links, etc. Thus I do not accept advertising banners or pop-up/pop-under advertising or other marketing/sales links or gimmicks on my website.

ALL the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). This work was not done for someone else to make money also, for example the ebay CD sellers.

All Trademarks, Logos, and Brand Names are the property of their respective owners. This information is not provided by, or affiliated in any way with any radio or antenna Manufacturers.

Thank you for any support you can give.

For information on how to Support CBTricks.com http://www.cbtricks.com/support/

REALISTIC®

Service Manual

TRC-438 CB 40-Channel Transceiver Catalog Number: 21-1552

CONTENTS

| Specifications |
|---|
| Block Diagram |
| Alignment and Adjustment |
| Channel Frequency Generation Table |
| Troubleshooting |
| Wiring Diagram |
| Printed Circuit Boards |
| Exploded View/Disassembly |
| Exploded View Parts List |
| Electrical Parts List |
| Semiconductor Lead Identification and IC Internal Diagram |
| Semiconductor Voltage Chart |
| Schematic Diagram |

SPECIFICATIONS

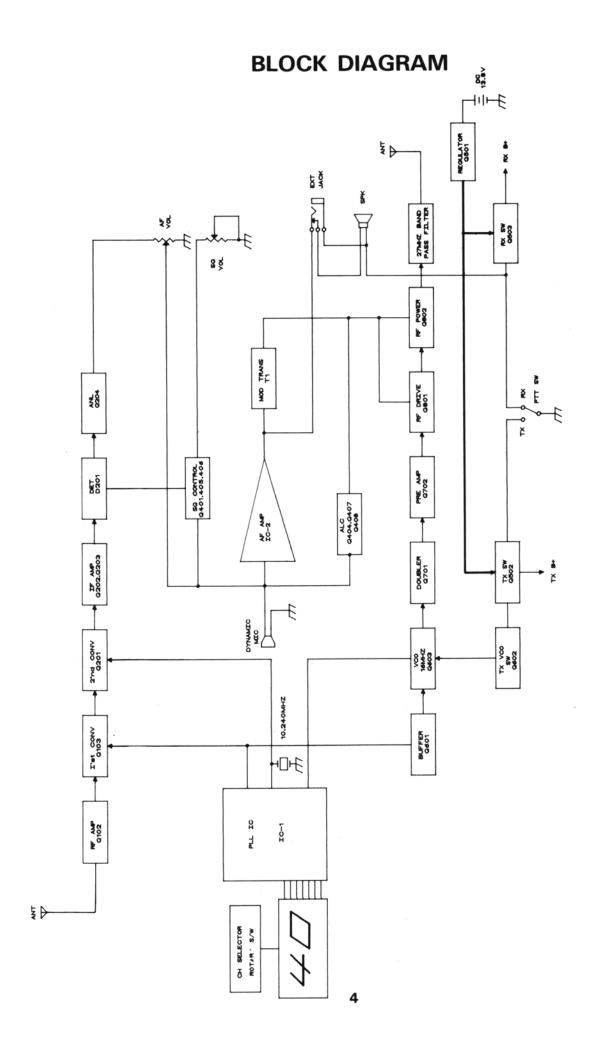
General

| Description | | |
|---|--------------|--|
| Transmitter Crystal control | , | |
| Receiver Crystal controlled d | | |
| Communicating frequencies | | |
| Voltage operation | | |
| Temperature and Humidity range | – 22°F - | (negative ground) $- + 140^{\circ}F (-30^{\circ}C \sim +60^{\circ}C)$ |
| remperature and riamacy range | 22 . | at 10%~90% |
| Transmitter/Receiver switching | | |
| Transmitter/neceiver switching | | Electrical |
| Standard Test Conditions | | |
| Battery supply voltage | | 13.8V DC |
| Modulation | | 1000Hz, 30% |
| Receiver output power | | 500mW at external SP |
| Receiver output impedance | | 8 ohms, non-inductive |
| Ant. load impedance of transmitter | | 50 ohms, non-inductive |
| Ambient conditions | | |
| Temperature | | 63°F~73°F (17°C~23°C) |
| Humidity | | 40% ~ 70% |
| | | |
| Transmitter | | |
| Description | Nominal | Limit |
| RF power output | 4.0 watts | $3.6 \sim 4.4$ watts |
| Antenna spurious emission | 70 | 50 |
| Modulation capability (positive/negative) | +90% | +80%/-80% |
| AMC Range at 1KHz | 40dB | 30dB |
| Frequency accuracy | 0.002% | 0.005% |
| Spurious radiation & harmonic | | |
| signal radiation ratio from fundamental | -65 dB | -60 dB |
| Current consumption | | |
| at no modulation | 1000 mA | 1200 mA |
| at 80% modulation | 1500 mA | 1700 mA |
| Envelope distortion | 10% max. 1 | 000 Hz, 50% mod. |
| Stability against variation of | | |
| antenna impedance | Satisfactory | when dummy antenna is |
| | varied from | 40 ohms to 200 ohms |
| | | |

Receiver

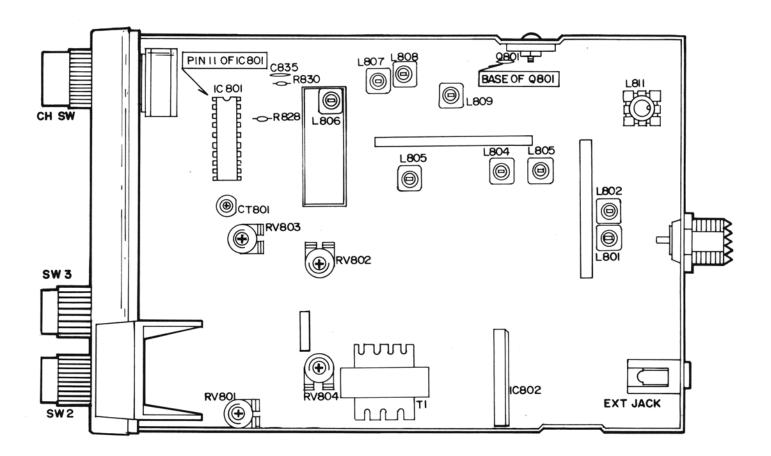
| Nominal | Limit |
|--|---|
| | |
| 10.695 MHz | |
| 455 kHz | |
| 0.3μV | 1.0μV |
| 0.7μV | $1.0 \mu V$ |
| 65dB | 55dB |
| 70dB | 60dB |
| 60dB | 45dB |
| | |
| 40dB | 35dB |
| | |
| 3% | 5% |
| 80dB | 70dB |
| | |
| 4.5W | 4.0W |
| 5.0W | 4.5W |
| | |
| – 4dB | $-4\pm3dB$ |
| - 6dB | $-6\pm3dB$ |
| 50dB | 40dB |
| 60dB | $60\pm 6\text{dB}$ |
| 250 mA | 300 mA |
| 40dB | $40\pm 6\text{dB}$ |
| | |
| | 2 Amp |
| | 12-16V DC |
| 5mm) \times (H) 1 ⁵ /8'' (40mm) \times (D) 8 ³ | / ₈ ′′(207mm) |
| 2 lbs 10 | ozs (1.2kg) |
| | Nominal 10.695 MHz 455 kHz 0.3μV 0.7μV 65dB 70dB 60dB 40dB 3% 80dB 4.5W 5.0W - 4dB - 6dB 50dB 60dB 250 mA 40dB |

Note: Nominal specs represent the design specs. All units should be able to approximate these—some will exceed and some may drop slightly below these specs. Limit specs represent the absolute worst condition that still might be considered acceptable; in no case should a unit fail to meet Limit specs.



ALIGNMENT AND ADJUSTMENT

1. Aligment Test Points and Parts Locations



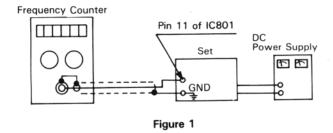
2. Phase Locked Loop and CPU Section

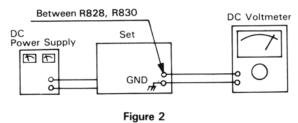
A. Test Equipment Required

- a. Frequency Counter
- b. DC Power Supply
- c. DC Voltmeter
- d. Oscilloscope

B. Alignment Procedure

| Step | Setting | Connection | Adjust | Adjust for |
|------|--|--|--------|--|
| 1 | Frequency adjustment- MIC: Receive Volume: Optional Squelch: Optional CH Selector: Optional | Frequency counter to output pin 11 of IC 801 (Figure 1). | CT801 | 10.240MHz ± 100Hz |
| 2 | TX VCO voltage adjustment- MIC: Receive Volume: Optional Squelch: Optional CH Selector: 1 | Connect DC voltmeter between R828 and R830 (Figure 2). | L806 | 1.8V |
| 3 | RX VCO voltage adjustment- MIC: Transmit Volume: Optional Squelch: Turn Clockwise CH Selector: 1 | Connect DC voltmeter between R828 and R830 (Figure 2). | L302 | Indication on DC voltmeter must be 1.0-2.0 Volt. If DC voltmeter does not indicate 1.0-2.0 volt, readjust L806 |





3. Transmitter Section

A. Test Equipment Required

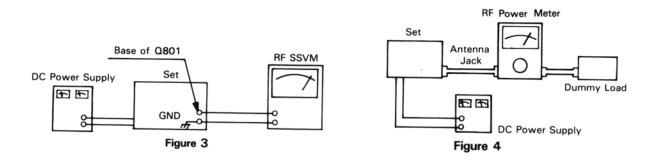
- a. RF Power Meter (RF SSVM)
- b. 50 Ohm Load (non-inductive)
- c. RF Attenuator
- d. Oscilloscope
- e. Audio Generator

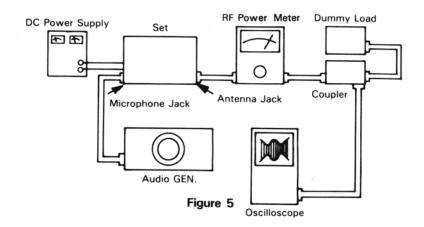
- f. DC Power Supply
- g. Spectrum Analyzer
- h. Frequency Counter
- i. Coupler

B. Alignment Procedure

| Step | Setting | Connection | Adjust | Adjust for |
|------|---|--|--------------|--|
| 1 | RF driver stage- MIC: Transmit Volume: Optional Squelch: Optional CH Selector: 19 | Connect RF power meter to base of Q801 (Figure 3). | L807 L808 | Adjust for maximum indication on the RF power meter. |
| 2 | RF power stage- MIC: Transmit Squelch: Optional Volume: Optional CH Selector: 19 | Connect dummy load and RF power meter to the EXT-ANT jack on the set (Figure 4). | L809 L811 | Adjust for maximum indication on the RF power meter. (4 watts). If indication is not in 4 watts range, go back to step 1 and readjust L809, L811. |
| 3 | Modulation adjustment-MIC: Transmit Volume: Optional Squelch: Optional CH Selector: 19 | Connect audio generator (1kHz) to pin 4 of microphone connector (Figure 5). Connect dummy load and oscilloscope through coupler to RF power meter. Connect RF power meter to EXT-ANT jack on the set. Adjust audio signal level to obtain 80% ~ 90% of the modulation level. | | Check for proper modulation pattern on the oscilloscope. |
| 4 | Second harmonic check-MIC: Transmit Volume: Optional Squelch: Optional CH Selector: 19 | Connect RF power meter with dummy load to spectrum analyzer through coupler/ – 40dB attenuator to EXT-ANT jack on the set (Figure 6). | | At no modulation, compare the level of fundamental frequency to the level of harmonic frequency. Suppression of the 2nd harmonic frequency level must be lower than – 60dB. Check for the other channels. |

| Step | Setting | Connection | Adjust | Adjust for |
|------|--|---|--------|---|
| 5 | Frequency check-MIC: Transmit Volume: Optional Squelch: Optional Channel Selector: 19 | Connect dummy load and frequency counter through coupler to RF power meter. Connect RF power meter to EXT-ANT jack on the set (Figure 7). | | Be sure that the indication of the transmitter frequency is 27.185MHZ±300Hz on the frequency counter. |
| 6 | TX power LED adjustment-MIC: Transmit Volume: Optional Squelch: Optional Channel Selector: 1 | Connect dummy load and frequency counter through coupler to RF power meter. Connect RF power meter to EXT-ANT jack on the set (Figure 7). | RV803 | Adjust so that 4th LED lights up at 4 watts RF output power. |





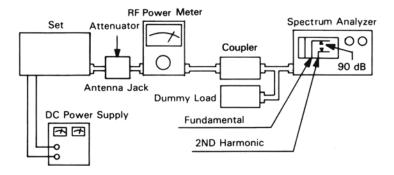


Figure 6

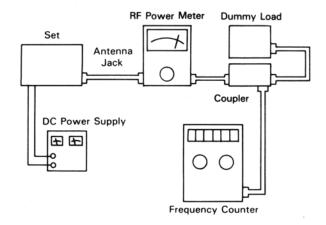


Figure 7

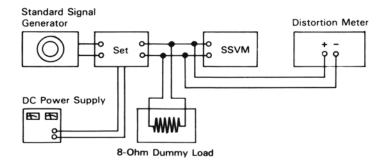


Figure 8

4. Receiver Section

A. Test Equipment Required

- a. RF Signal Generator
- b. SSVM
- c. Distortion Meter
- d. Power Supply

B. Alignment Procedure

| Cton | Cotting | Connection | Adiust | Adjust for |
|------|--|---|--------|------------------------------------|
| Step | Setting | | Adjust | Adjust for |
| 1 | MIC: Receive | Connect RF signal | L801 | Adjust for maximum |
| | Volume: Fully clockwise | generator to EXT-ANT | L802 | indication on SSVM. |
| | Squelch: Turn to | jack. Connect SSVM and | L803 | Reduce output from |
| | counterclockwise | distortion meter | L804 | RF SG until the audio |
| | CH Selector: 19 SSG: 27.185MHz, 1kHz, | across EXT speaker jack with 8 Ohm dummy | L805 | output becomes about 500mW (2V) |
| | 1μV 30% Mod. | load (Figure 8). | | 30011100 (20) |
| 2 | MIC: Receive | Connect RF Signal | L801 | Adjust for minimum |
| | SSG: 27.185MHz 1kHz | generator to EXT-ANT | | indication on distortion |
| | 1mV 80% Mod. | jack. Connect SSVM and | | meter. |
| | Squelch: Turn to | distortion meter | | |
| | counterclockwise | across EXT speaker | | |
| | CH Selector: 19 | jack with 8 Ohm dummy | | |
| | Volume: 500mW (2V) | load (Figure 8). | | |
| 3 | Squelch adjustment | Connect RF Signal | RV802 | Adjust RV801 until the |
| | MIC: Receive | generator to EXT-ANT jack. | | audio output just appears. |
| | SSG: 27.185MHz, 1kHz, | Connect SSVM and | | |
| | 1mV 30% Mod. | distortion meter | | |
| | Squelch: Clockwise | across EXT speaker | | |
| | CH Selector: 19 | jack with 8 Ohm dummy | | |
| | Volume: 500mW (2V) | load (Figure 8). | | |
| 4 | RF signal meter adjustment- | Connect RF signal | RV801 | Adjust so that the 3rd |
| | MIC: Receive | generator to EXT-ANT | | LED on the S/RF meter |
| | SSG: 27.185MHz, 1kHz | jack. Connect SSVM and | | lights up. |
| | 100μV 30% Mod. | distortion meter across the | | |
| | Squelch: Fully counter- | EXT speaker jack with | | |
| | clockwise | 8 ohm dummy load | | |
| | Volume: 500mW (2V) | (Figure 8). | | |
| | ANL, CH9: OFF | | | |

CHANNEL FREQUENCY GENERATION TABLE

Receive

VCO Frequency = $N \times 5$ (kHz)

Transmit

VCO Frequency = $N \times 2.5$ (kHz)

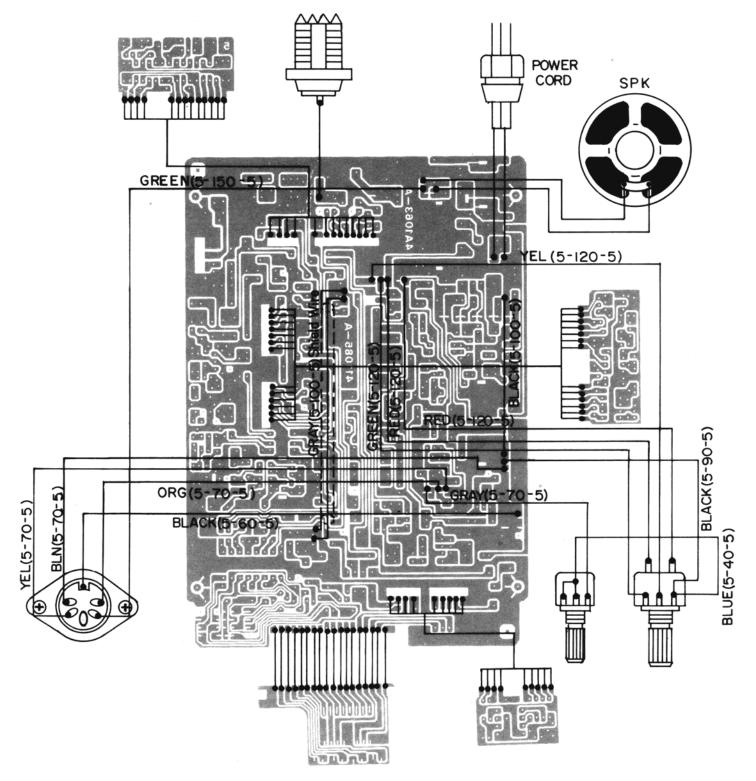
Transmit Frequency = VCO Frequency \times 2

| | | | В | DC Inpu | it to IC- | -1 | | | R | eceive | | Transmit | t |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------|---------------------------|------|---------------------------|--------------------------------|
| Channel | D1 (1F) | D2 (1A) | D3 (1G) | D4 (1E) | D5 (1B) | D6 (2C) | D7 (2N) | D8 (2F) | N | VCO Frequency (MHz) | N | VCO Frequency (MHz) | Transmit Frequency (MHz) |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 3254 | 16.27 | 5393 | 13.4825 | 26.965 |
| 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3256 | 16.28 | 5395 | 13.4875 | 26.975 |
| 3 | 1 | . 0 | 0 | 1 | 0 | 1 | 1 | 1 | 3258 | 16.29 | 5397 | 13.4925 | 26.985 |
| 4 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 3262 | 16.31 | 5401 | 13.5025 | 27.005 |
| 5 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 3264 | 16.32 | 5403 | 13.5075 | 27.015 |
| 6 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 3266 | 16.33 | 5405 | 13.5125 | 27.025 |
| 7 | _ | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 3268 | 16.34 | 5407 | 13.5175 | 27.035 |
| 8 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3272 | 16.36 | 5411 | 13.5275 | 27.055 |
| 9 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 3274 | 16.37 | 5413 | 13.5325 | 27.065 |
| 10 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 3276 | 16.38 | 5415 | 13.5375 | 27.075 |
| 11 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 3278 | 16.39 | 5417 | 13.5425 | 27.085 |
| 12 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3282 | 16.41 | 5421 | 13.5525 | 27.105 |
| 13 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3284 | 16.42 | 5423 | 13.5575 | 27.115 |
| 14 | o | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 3286 | 16.43 | 5425 | 13.5625 | 27.125 |
| 15 | О | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 3288 | 16.44 | 5427 | 13.5675 | 27.135 |
| 16 | О | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 3292 | 16.46 | 5431 | 13.5775 | 27.155 |
| 17 | | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 3294 | 16.47 | 5433 | 13.5825 | 27.165 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3296 | 16.48 | 5435 | 13.5865 | 27.175 |
| 19 | 0 | 0 | 0 | - 1 | 0 | 0 | 1 | 1 | 3298 | 16.49 | 5437 | 13.5925 | 27.185 |
| 20 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 3302 | 16.51 | 5441 | 13.6025 | 27.205 |
| 21 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 3304 | 16.52 | 5443 | 13.6075 | 27.215 |
| 22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3306 | 16.53 | 5445 | 13.6125 | 27.225 |
| 23 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3312 | 16.56 | 5451 | 13.6275 | 27.255 |
| 24 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 3308 | 16.54 | 5447 | 13.6175 | 27.235 |
| 25 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 3310 | 16.55 | 5449 | 13.5225 | 27.245 |
| 26 | 0 | 0 | 0 | 0 | 1 | 1 | О | 1 | 3314 | 16.57 | 5453 | 13.6325 | 27.265 |
| 27 | _ | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 3316 | 16.58 | 5455 | 13.6375 | 27.275 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3318 | 16.59 | 5457 | 13.6425 | 27.285 |
| 29 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3320 | 16.60 | 5459 | 13.6476 | 27.295 |
| 30 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3322 | 16.61 | 5461 | 13.6525 | 27.305 |
| 31 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 3324 | 16.62 | 5463 | 13.6575 | 27.315 |
| 32 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3326 | 16.63 | 5465 | 13.6625 | 27.325 |
| 33 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3328 | 16.64 | 5467 | 13.6675 | 27.335 |
| 34 | 0 | 1 | 0 | 1 | 0 | О | О | 1 | 3330 | 16.65 | 5469 | 13.6725 | 27.345 |
| 35 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 3332 | 16.66 | 5471 | 13.6775 | 27.355 |
| 36 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3334 | 16.67 | 5473 | 13.6825 | 27.365 |
| 37 | _ | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 3336 | 16.68 | 5475 | 13.6875 | 27.375 |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3338 | 16.69 | 5477 | 13.6925 | 27.385 |
| 39 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3340 | 16.70 | 5479 | 13.6975 | 27.395 |
| 40 | 0 | 0 | 1 | ,0 | 0 | 0 | 1 | 0 | 3342 | 16.71 | 5481 | 13.7025 | 27.405 |

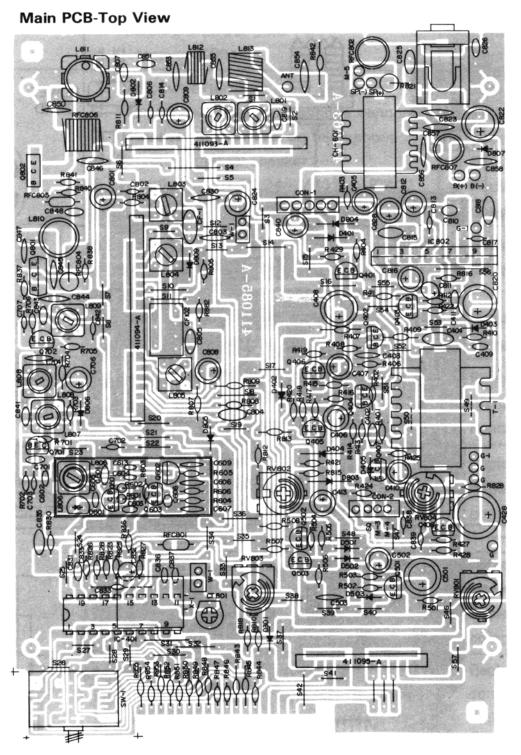
TROUBLESHOOTING

| Symptom | Probable Cause | Remedy |
|-----------------------|--|--------------------------|
| Unit does not work | 1. Defective power switch SW2 | 1. Replace |
| at all | 2. Blown fuse | 2. Replace |
| | 3. Broken DC power cord | 3. Replace |
| | 4. Defective IC801 | 4. Replace |
| No output from | Defective external speaker jack | 1. Repair or Replace |
| speaker at all | 2. Poor connection on microphone connector | 2. Repair or Replace |
| | 3. Defective push switch on microphone | 3. Repair or Replace |
| | 4. Defective internal speaker | 4. Replace |
| | 5. Defective D201/Q204/RV801 or IC802 | 5. Replace the defective |
| | or other components | component(s). |
| No noise on speaker | 1. Measure the voltages of Q102/Q103/ | 1. Replace the defective |
| | Q201/Q203/Q204/Q403 and IC802. | component(s). |
| | Refer to the voltage chart on pages 35-36. | |
| | 2. Defective squelch circuit components | 2. Replace the defective |
| * | (RV802/SW3/IC802/Q405/Q406/Q401) | component(s). |
| Squelch does not work | 1. Defective RV802/SW3/Q405/Q406/Q401 | 1. Replace the defective |
| | | component(s). |
| | 2. Improperly adjusted RV802 | 2. Readjust |
| No modulation | 1. Defective microphone | 1. Replace |
| | 2. Poor Audio output and defective | 2. Replace the defective |
| | modulation microphone amplifier | component(s). |
| | components (Q402/D402/IC802) | |
| | 3. Defective microphone connector | 3. Replace |
| | component | |
| | 4. Defective ALC circuit (Q408/Q407/Q404/ | 4. Replace the defective |
| | D405) | component(s). |
| LED meter does | 1. Defective D2/D3/D4/D5 | Replace the defective |
| not work | | component(s). |
| | 2. Defective IC301 | 2. Replace |
| | 3. Defective D301/D802/RV801/RV803 | 3. Replace the defective |
| | | component(s). |
| LED display does | 1. Defective Red wire fuse (2A) | 1. Replace |
| not work | 2. Defective LED1/IC801 | 2. Replace the defective |
| | | component(s). |
| Channel selector | Defective IC801/SW1 | Replace the defective |
| does not work | | component(s). |

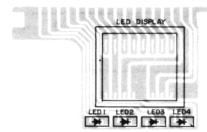
WIRING DIAGRAM



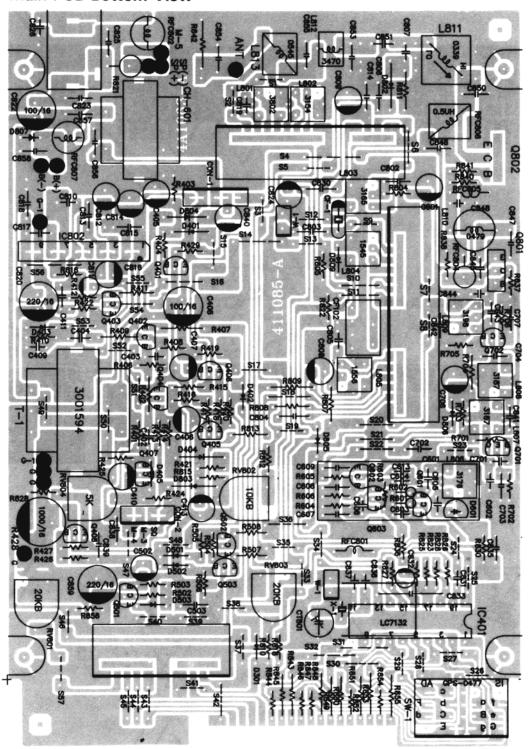
PRINTED CIRCUIT BOARDS



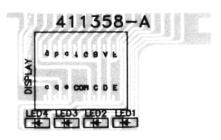
Display PCB-Top View



Main PCB-Bottom View

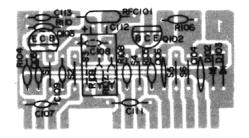


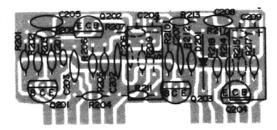
Display PCB-Bottom View

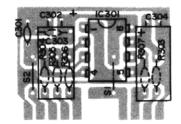


Module PCB Assembly

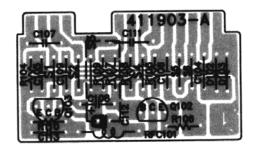
Module PCB-Top View

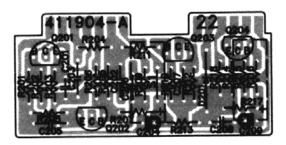


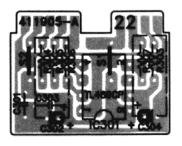




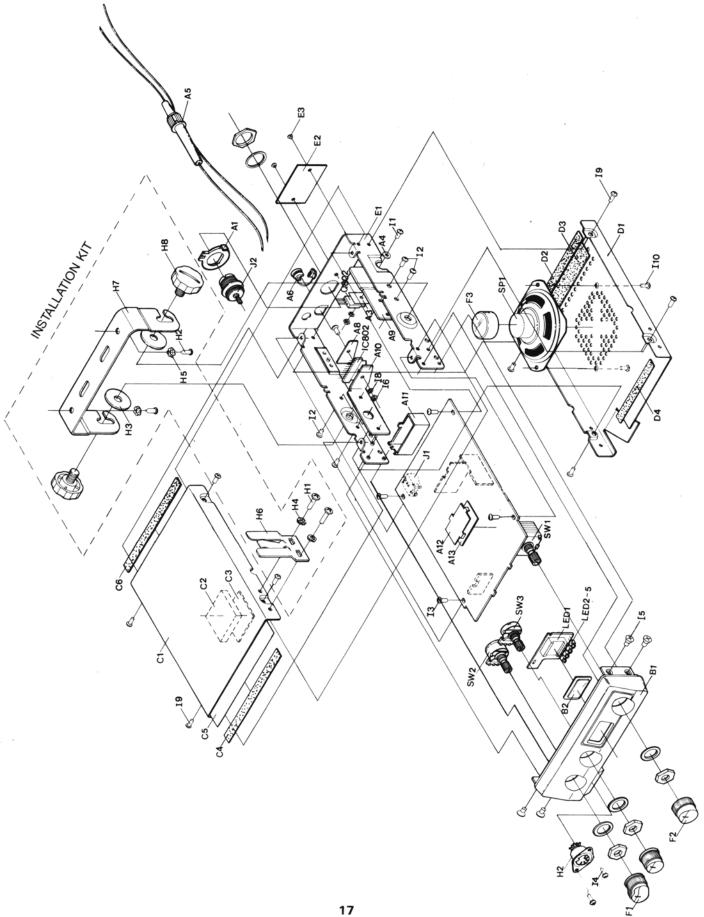
Module PCB-Bottom View







EXPLODED VIEW/DISASSEMBLY



EXPLODED VIEW PARTS LIST

| Ref. No. | Description | RS Part No. | Mfr's Part No. |
|------------|--|-------------|----------------|
| A-1 | Holder, ANT Mounting | | 731-791 |
| A-2 | Socket 5Pin TCS 2250 01 1011 | | 421-529-7 |
| A-3 | Mica For TR Q802 | | 440-004-0 |
| A-4 | Bushing For TR Q802 | | 441-004-5 |
| A-5 | Power Cord, W/Fuse 250V 2A | | 504-055 |
| A-6 | Cord Stopper | | 750-039 |
| A-8 | Heatsink, Small, ALP 30×18×t2, IC802 | | 760-704 |
| A-9 | Heatsink, ALP t2, TR802 | | 760-741 |
| A-10 | Heatsink, Large IC, ALP 92×25×t2, IC802 | | 760-870 |
| A-11 | Shield Housing, VCO, Spte t0.3 | | 771-525 |
| A-12 | Shield Plate, VCO, Spte t0.3 | | 771-530 |
| A-13 | Insulation Plate, VCO, Fiber t0.3 Stic | | 905-685 |
| B-1 | Escutcheon ABS 94HB Lucky 380-S82276 | | 801-267 |
| B-2 | Lens Acryl 27×18×4 Red | | 812-730 |
| C-1 | Cover, Upper Secc+PVC T=0.8 BLK | | 718-160 |
| C-2 | Cushion 25 × 25 × t5 Rubb. SPO. BLK | | 891-590 |
| C-3 | Insulation Plate 30×30×t0.3 Vinyl | | 900-054 |
| C-4 | Felt, Sticker 6×110×t0.3 BLK | | 901-031 |
| C-5 | Insulation Plate 105 × 146 × t0.8 Fiber | | 901-721 |
| C-6 | Felt, Sticker 10×110×t1 BLK | | 901-767 |
| D-1 | Cover, Bottom Secc + PVC T = 0.8 BLK | | 718-159 |
| D-2 | Felt, Sticker 10×110×t1 BLK | | 901-767 |
| D-3 | Felt, Sticker 20×90×t0.3 BLK | | 902-320 |
| D-4 | Felt, Sticker 6×72×t0.3 BLK | | 903-370 |
| E-1 | Main Body SPC 325×42×t1 | | 700-930 |
| E-2 | Name Plate ALP3 40×27×t0.4 | | 795-487 |
| E-3 | Rivet Blind ALB # 3.2 | | 670-025 |
| F-1 | Knob, Control, ABS 94HB Lucky 380-S82276 BLK | | 825-967 |
| F-2 | Knob, Channel, ABS 94HB Lucky 380-S82276 BLK | | 825-968 |
| F-3 | Cap, Speaker, Nylon 0.2G/PC | | 830-043 |
| G-1 | Mic Cartridge, FDM-600M | | 420-233-5 |
| G-2 | Cord, Curled | | 420-349-6 |
| G-3 | Plug, 5Pin | | 421-025-8 |
| G-4 | Push Switch | | 432-034-1 |
| G-5 | Screw (+)Tapping (F.H) 3×6-2S BLK | | 623-682 |
| G-6 | Screw (+)Tapping (0.H) 3×16-2S Ni-Plat | | 623-830 |
| G-7 | Cover, Bottom, MIC BLK | | 716-630 |
| G-7 G-8 | Cover, Upper, MIC BLK | | 716-640-A |
| | | | 731-940 |
| G-9 | Holder, MIC | | |
| G-10 | Lever, MIC | | 740-483-A |
| G-11 | Name Plate, MIC | | 794-481 |
| G-12 | Back Plate, MIC | | 794-882 |