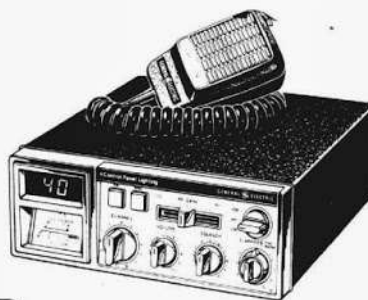


GENERAL ELECTRIC

CITIZENS BAND

SERVICE MANUAL

MODEL 3-5826A CB TRANSCEIVER



MOBILE SSB -SINGLE SIDEBAND-

FEATURES

80 Channel Single Side Band allows user to Receive and Transmit 80 SSB Channels or 40 AM CB channels for greater versatility. Clarifier Control assures fine tuning on receiver frequency.

- Nitebright illuminated control panel for convenient night time operation
- Dual-Clarifier Control ...5 to 1 ratio for fine VS coarse control for true fine tuning of receiver frequency
- Lighted S/RF meter ...shows relative Receive & Transmit signal strength
- NB (Noise Blanker) & ANL (Automatic Noise Limiter) switches to reduce ignition type noise.
- PA capability to monitor CB calls through PA speaker or use as PA system.
- Built-in Mic. Pre Amp - for modulation boost at low volume level
- LED channel display
- Screw-on type microphone
- Removable DC power cord
- Quick release mounting thumb screws from mounting bracket
- RF Gain Control
- Jacks for: External Speaker (8 Ω), PA Speaker (8 Ω), & DC power cord

SERVICE

GENERAL

CHANNELS: 40 channels, PLL digital logic synthesizer circuitry SSB-80
POWER REQUIREMENT: Consumption 25 watts, current drain: 1.8 amps (100% mod.) at 13.8 volt DC
POWER SUPPLY: 12 volts DC nominal negative ground
SEMICONDUCTORS: Integrated circuits, transistors and diodes
OPERATING TEMPERATURE RANGE: -30° to +50°C
MICROPHONE: Dynamic with push-to-talk switch, 500 ohm
SWITCHABLE ANL (Automatic Noise Limiter)
SWITCHABLE NB (Noise Blanker)
SWITCHABLE PA (Public Address)
CONTROLS: Volume with ON/OFF switch, squelch and PA control, RF Gain, clarifier, channel selector switch
CONNECTORS: External speaker and PA jacks 3.5mm(8ohms impedance), antenna receptacle to match PL-259 coax (50 ohms impedance)
CIRCUIT PROTECTIONS: Prevents transistor burn-out when transmitting with open or loose antenna, 3-amp fuse in DC power cord

SPECIFICATIONS

TRANSMITTER

FREQUENCY RESPONSE: 400Hz to 2.5kHz
FREQUENCY COVERAGE: 26.965 to 27.405 MHz; 40 channels and SSB 80 channels.
TRANSMIT POWER OUTPUT(RF[Radio Frequency]power to antenna): 4 watts maximum as limited by FCC Rules and Regulations at 13.8 volt DC: nominal between 3.7 and 4 watts.
MODULATION: Capable of 100%; factory pre-set limit 85-100%
FREQUENCY TOLERANCE: Better than $\pm .005\%$ max.

RECEIVER

SYSTEM: Single conversion Superheterodyne.
SENSIVITY: AM-Better than .5uv for 500MW, SSB-.25uv for 500 MW audio power.
CLARIFIER: Min. 1000, Max. 2200 Hz.
FREQUENCY COVERAGE: 26.965 to 27.405 MHz.
ADJACENT CHANNEL SELECTIVITY: Better than 60db.
SPURIOUS REJECTION: Better than 45db.
IF FREQUENCIES: 10.695 MHz (AM) 10.6935MHz (SSB).
SQUELCH RANGE (SENSITIVITY): 0.5 to 2000 uV nominal.
IMAGE REJECTION RATIO: Better than 55db.
SIGNAL TO NOISE (S/N): Unsquelched; min. 40 db, squelched; min. 60 db.
 All Measurements at 25° C & 13.8 VDC.

CAUTION: THIS MANUAL IS DESIGNED FOR USE BY QUALIFIED ELECTRONIC TECHNICIANS ONLY. REPAIR OR ADJUSTMENT OF TRANSMITTER CIRCUITS MUST BE UNDER SUPERVISION OF A PERSON WITH FIRST- OR SECOND-CLASS RADIOTELEPHONE LICENSE. CONSUMER USERS ARE URGED TO CONTACT QUALIFIED FACTORY AUTHORIZED SERVICE FACILITIES FOR REPAIRS.

CABINET DISASSEMBLY

Remove the two thumb screws and the eight cabinet screws from the sides of the cabinet. Carefully lift the cabinet top and bottom apart. Remove the two slide clips from the speaker.

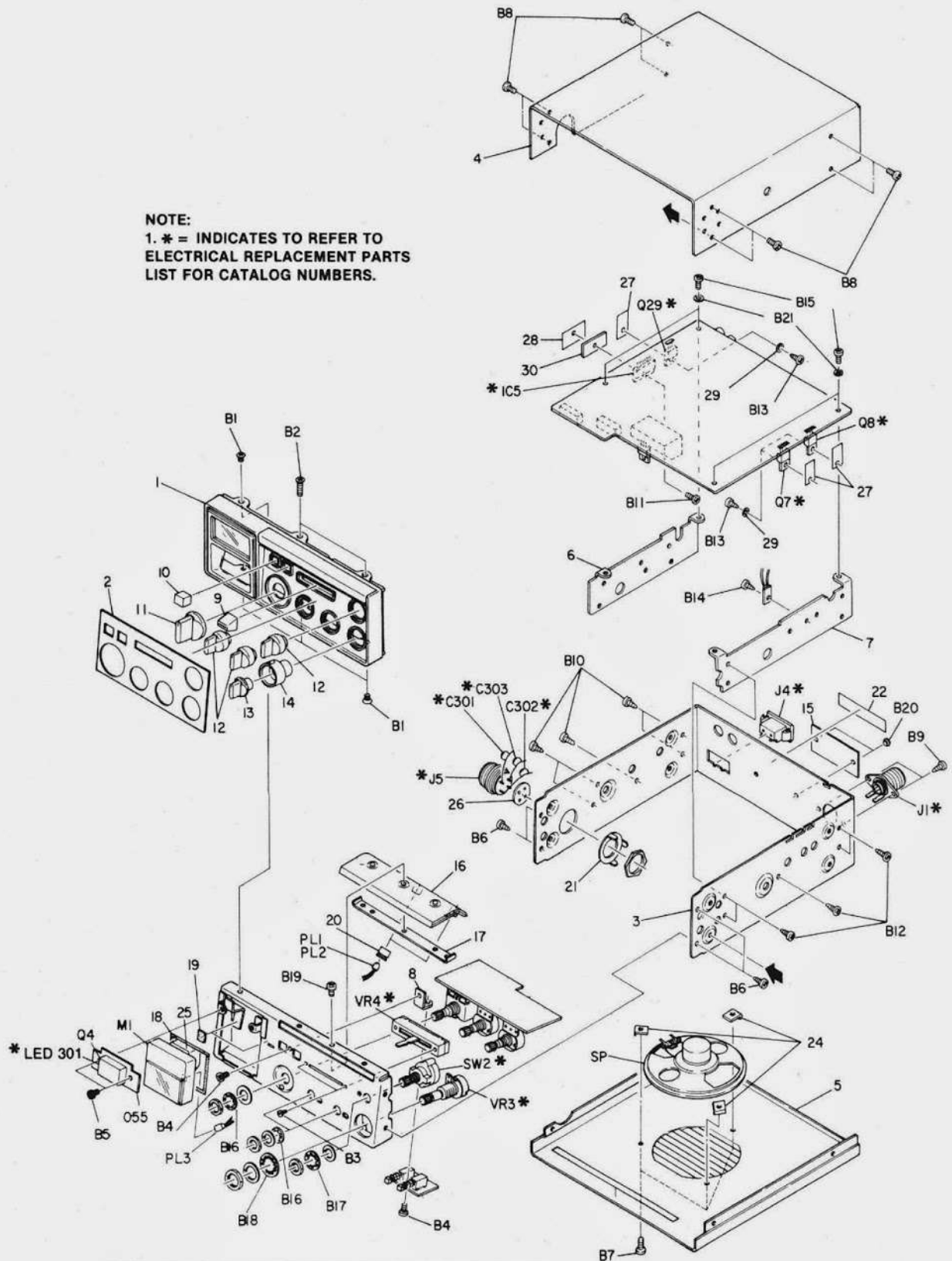
To service the Volume control, Squelch control, RF Gain control, Clarifier control,

NB & ANL switch, CB/PA switch, LSB/AM/USB switch, Meter, meter light, front panel lights, Channel switch and channel readout, requires removal of the front panel assembly. Remove the knobs and six screws from the top and bottom of the front panel and carefully slide the panel forward to expose the control and switch wiring.

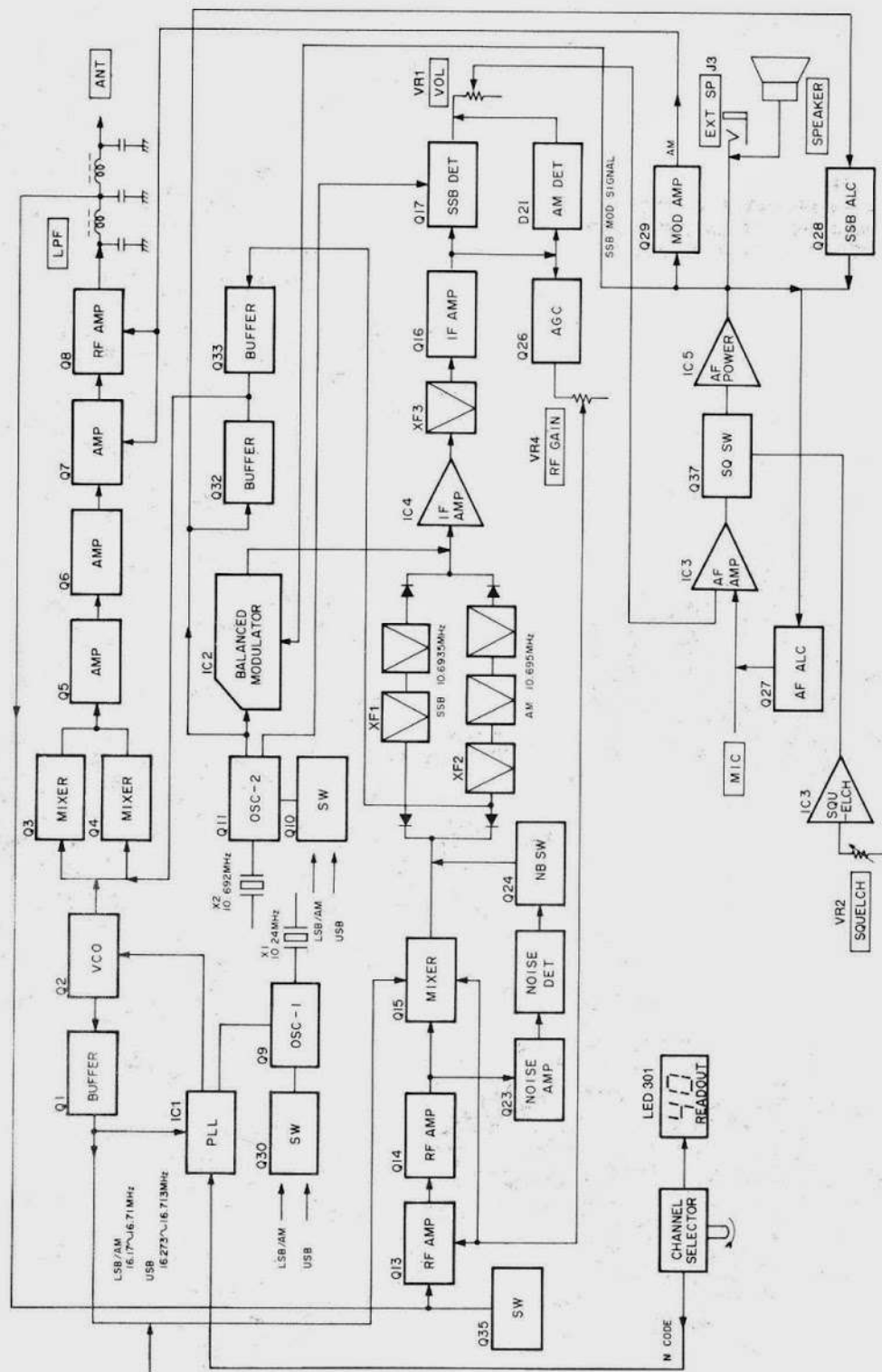
REPLACEMENT PARTS LIST MODEL 3-5826A

| CAT. NO. | REF. NO. | DESCRIPTION | CAT. NO. | REF. NO. | DESCRIPTION |
|-------------------|----------|---|-------------|--|---|
| CABINET & CHASSIS | | | ACCESSORIES | | |
| EA98X825 | CA-1 | Cabinet front assembly w/ control panel insert(ref.No.2) | 5-1728 | AC-1 | Standard Microphone, 500Ω screw type |
| EA43X1439 | CA-9 | Rf Gain Control Knob | 5-1722 | AC-2 | Power Cord, 2 pin |
| EA43X1440 | CA-10 | NB & ANL Control Knobs | 5-1724 | AC-3 | Fuse, 3 amp. |
| EA43X1391 | CA-11 | Channel Selector Knob | 5-1733 | AC-4 | Universal Mounting Bracket |
| EA43X1388 | CA-12 | Volume, Squelch and USB/AM/ LSB Control Knobs | 5-1732 | AC-5 | Thumb screws |
| EA43X1387 | CA-13 | Clarifier-fine Adjust knob | 5-1729 | AC-6 | Standard mike, holder |
| EA43X1441 | CA-14 | Clarifier-Rapid Adjust Knob | Note: | 1. Parts not listed are non-stocked replacement items. 2. AC and CA references are for factory use only. 3. For additional accessories, refer to G.E. accessories catalog or use and care Guide manual for this model. | |
| EA62X310 | M-1 | S/Rf Meter | | | |
| EA41X237 | PL1 | Meter pilot light | | | |
| EA41X328 | PL2,3 | Reflector pilot light | | | |
| EA95X192 | SP | Speaker, 8Ω | | | |

NOTE:
1. * = INDICATES TO REFER TO
ELECTRICAL REPLACEMENT PARTS
LIST FOR CATALOG NUMBERS.



EXPLODED VIEW CABINET AND CHASSIS ITEMS



BLOCK DIAGRAM 3-5826A

| C H A N N E L | 1 = 6.57V 0 = .02V | | | | | | | REC/XMIT AM, LSB VCO OUTPUT IN MHz AT TP2 (1) | REC/XMIT USB VCO OUTPUT IN MHz AT TP2 (1) | CHANNEL FREQUENCY IN MHz |
|---------------------------------|---|---|---|---|---|---|--|---|---|--------------------------------|
| | IC1 PROGRAM DIVIDER | | | | | | | | | |
| | PINS | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | | | | |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | | 16.270 | 16.273 | 26.965 |
| 2 | 0 | 1 | 0 | 0 | 0 | 0 | | 16.280 | 16.283 | 26.975 |
| 3 | 1 | 1 | 0 | 0 | 0 | 0 | | 16.290 | 16.293 | 26.985 |
| 4 | 0 | 0 | 1 | 0 | 0 | 0 | | 16.310 | 16.313 | 27.005 |
| 5 | 1 | 0 | 1 | 0 | 0 | 0 | | 16.320 | 16.323 | 27.015 |
| 6 | 0 | 1 | 1 | 0 | 0 | 0 | | 16.330 | 16.333 | 27.025 |
| 7 | 1 | 1 | 1 | 0 | 0 | 0 | | 16.340 | 16.343 | 27.035 |
| 8 | 0 | 0 | 0 | 1 | 0 | 0 | | 16.360 | 16.363 | 27.055 |
| 9 | 1 | 0 | 0 | 1 | 0 | 0 | | 16.370 | 16.373 | 27.065 |
| 10 | 0 | 0 | 0 | 0 | 1 | 0 | | 16.380 | 16.383 | 27.075 |
| 11 | 1 | 0 | 0 | 0 | 1 | 0 | | 16.390 | 16.393 | 27.085 |
| 12 | 0 | 1 | 0 | 0 | 1 | 0 | | 16.410 | 16.413 | 27.105 |
| 13 | 1 | 1 | 0 | 0 | 1 | 0 | | 16.420 | 16.423 | 27.115 |
| 14 | 0 | 0 | 1 | 0 | 1 | 0 | | 16.430 | 16.433 | 27.125 |
| 15 | 1 | 0 | 1 | 0 | 1 | 0 | | 16.440 | 16.443 | 27.135 |
| 16 | 0 | 1 | 1 | 0 | 1 | 0 | | 16.460 | 16.463 | 27.155 |
| 17 | 1 | 1 | 1 | 0 | 1 | 0 | | 16.470 | 16.473 | 27.165 |
| 18 | 0 | 0 | 0 | 1 | 1 | 0 | | 16.480 | 16.483 | 27.175 |
| 19 | 1 | 0 | 0 | 1 | 1 | 0 | | 16.490 | 16.493 | 27.185 |
| 20 | 0 | 0 | 0 | 0 | 0 | 1 | | 16.510 | 16.513 | 27.205 |
| 21 | 1 | 0 | 0 | 0 | 0 | 1 | | 16.520 | 16.523 | 27.215 |
| 22 | 0 | 1 | 0 | 0 | 0 | 1 | | 16.530 | 16.533 | 27.225 |
| 23 | 1 | 1 | 0 | 0 | 0 | 1 | | 16.560 | 16.563 | 27.255 |
| 24 | 0 | 0 | 1 | 0 | 0 | 1 | | 16.540 | 16.543 | 27.235 |
| 25 | 1 | 0 | 1 | 0 | 0 | 1 | | 16.550 | 16.553 | 27.245 |
| 26 | 0 | 1 | 1 | 0 | 0 | 1 | | 16.570 | 16.573 | 27.265 |
| 27 | 1 | 1 | 1 | 0 | 0 | 1 | | 16.580 | 16.583 | 27.275 |
| 28 | 0 | 0 | 0 | 1 | 0 | 1 | | 16.590 | 16.593 | 27.285 |
| 29 | 1 | 0 | 0 | 1 | 0 | 1 | | 16.600 | 16.603 | 27.295 |
| 30 | 0 | 0 | 0 | 0 | 1 | 1 | | 16.610 | 16.613 | 27.305 |
| 31 | 1 | 0 | 0 | 0 | 1 | 1 | | 16.620 | 16.623 | 27.315 |
| 32 | 0 | 1 | 0 | 0 | 1 | 1 | | 16.630 | 16.633 | 27.325 |
| 33 | 1 | 1 | 0 | 0 | 1 | 1 | | 16.640 | 16.643 | 27.335 |
| 34 | 0 | 0 | 1 | 0 | 1 | 1 | | 16.650 | 16.653 | 27.345 |
| 35 | 1 | 0 | 1 | 0 | 1 | 1 | | 16.660 | 16.663 | 27.355 |
| 36 | 0 | 1 | 1 | 0 | 1 | 1 | | 16.670 | 16.673 | 27.365 |
| 37 | 1 | 1 | 1 | 0 | 1 | 1 | | 16.680 | 16.683 | 27.375 |
| 38 | 0 | 0 | 0 | 1 | 1 | 1 | | 16.690 | 16.693 | 27.385 |
| 39 | 1 | 0 | 0 | 1 | 1 | 1 | | 16.700 | 16.703 | 27.395 |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 | | 16.710 | 16.713 | 27.405 |

(1) Clarifer Control (VR3) set at center position (0).

Channel Frequency Table

ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment. Maintain line voltage at 120V AC. Allow a 15-minute warm-up period.
 Adjustments made with 13.8 volt DC input.
 Connect low sides of test equipment to ground unless specified otherwise.
 Connect 50-ohm dummy load or antenna before keying transmitter.
 Connect microphone.
 Suggested Alignment Tools: GC Electronics:
 L5.....9091
 T1,T2,T3,T5 thru T8,T12.....9440
 T9,T10,T11.....5009,8276
 CT3.....5000

SYNTHESIZER ALIGNMENT

| TEST EQUIPMENT | TRANSCEIVER | ADJUST | REMARKS |
|--|------------------|--------|--------------------------------------|
| Input of DC meter to TP1 (Junction of R6 and R7). | Ch. 40, AM Xmit | T1 | Adjust for 3.40V. |
| | Ch. 1, AM Xmit | T1 | Adjust for 2.00V $\pm 0.3V$. |
| Input of frequency counter to TP3 (Q11 collector). | Ch. 20, LSB Xmit | CT4 | Adjust for 10.695MHz $\pm 50/-0Hz$. |
| | Ch. 20, USB Xmit | CT3 | Adjust for 10.692MHz $\pm 0/-50Hz$. |
| Input of frequency counter to TP2 (Q2 base). | Ch. 20, USB Xmit | CT1 | Adjust for 16.513MHz $\pm 50Hz$. |
| | Ch. 20, LSB Xmit | CT2 | Adjust for 16.510MHz $\pm 50Hz$. |

TRANSMITTER ALIGNMENT

Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
 NOTE: Be sure to check transmit frequency and power on all active channels after alignment of transmitter.
 See page 5 for channel frequencies.

SSB

| TEST EQUIPMENT | TRANSCEIVER | ADJUST | REMARKS |
|---|-----------------|-----------------|---------------------|
| Inject a 2400Hz, 3mV signal at the MIC input. | Ch. 20, LSB, TX | T2,T3,T5 T12 | Adjust for Maximum. |
| | Ch. 1, LSB, TX | T3 | Adjust for Maximum. |
| | Ch. 40, LSB, TX | T5 | Adjust for Maximum. |
| Input of RF Wattmeter to antenna input. | Ch. 20, AM, TX | L5 | Adjust for Maximum. |

TRANSMITTER ADJUSTMENTS

Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
 NOTE: Be sure to check transmit frequency and power on all active channels after alignment of transmitter.
 See page 5 for channel frequencies.

| TEST EQUIPMENT | TRANSCEIVER | ADJUST | REMARKS |
|---|----------------------------------|------------|--|
| 0-3 Amp DC Ammeter in series with 13.80V DC power line. | Ch. 20, LSB, TX No modulation | RV1 | BIAS Adjust for MINIMUM current, then adjust for an increase of 50mA. |
| Input of RF wattmeter to antenna input. | Ch. 20, LSB, TX No modulation | RV10, RV11 | BALANCE Preset RV5 Maximum counterclockwise and RV10 Maximum clockwise. Adjust RV11 for Maximum carrier leakage. Adjust RV10 for MINIMUM carrier leakage. |

TRANSMITTER ADJUSTMENTS (Continued)

| TEST EQUIPMENT | TRANSCIVER | ADJUST | REMARKS |
|---|-----------------|----------|--|
| Inject a 2400Hz, 3mV signal at the MIC input. | Ch. 20, LSB, TX | RV5, RV2 | SSB RF POWER Preset RV2 Maximum clockwise. Adjust RV5 for 7.5 watts RF output. Increase the 2400Hz signal level to 5mV. Adjust RV2 for 12.25 watts RF output Maximum. |
| Input of RF wattmeter to antenna input. | Ch. 20, AM, TX | RV7 | AM RF POWER Adjust for 4.0 watts RF output Maximum. |
| Modulation meter to antenna input. Inject a 1000Hz, 3mV signal at the MIC input. | Ch. 20, AM, TX | RV6 | AMC Adjust for 90% modulation. |
| Input of RF wattmeter to antenna input. | Ch. 20, AM, TX | RV4 | AM TX POWER Adjust RV4 so that TX Power meter agrees with RF wattmeter. |

RECEIVER ALIGNMENT

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Set generator output low enough to prevent AGC limiting.

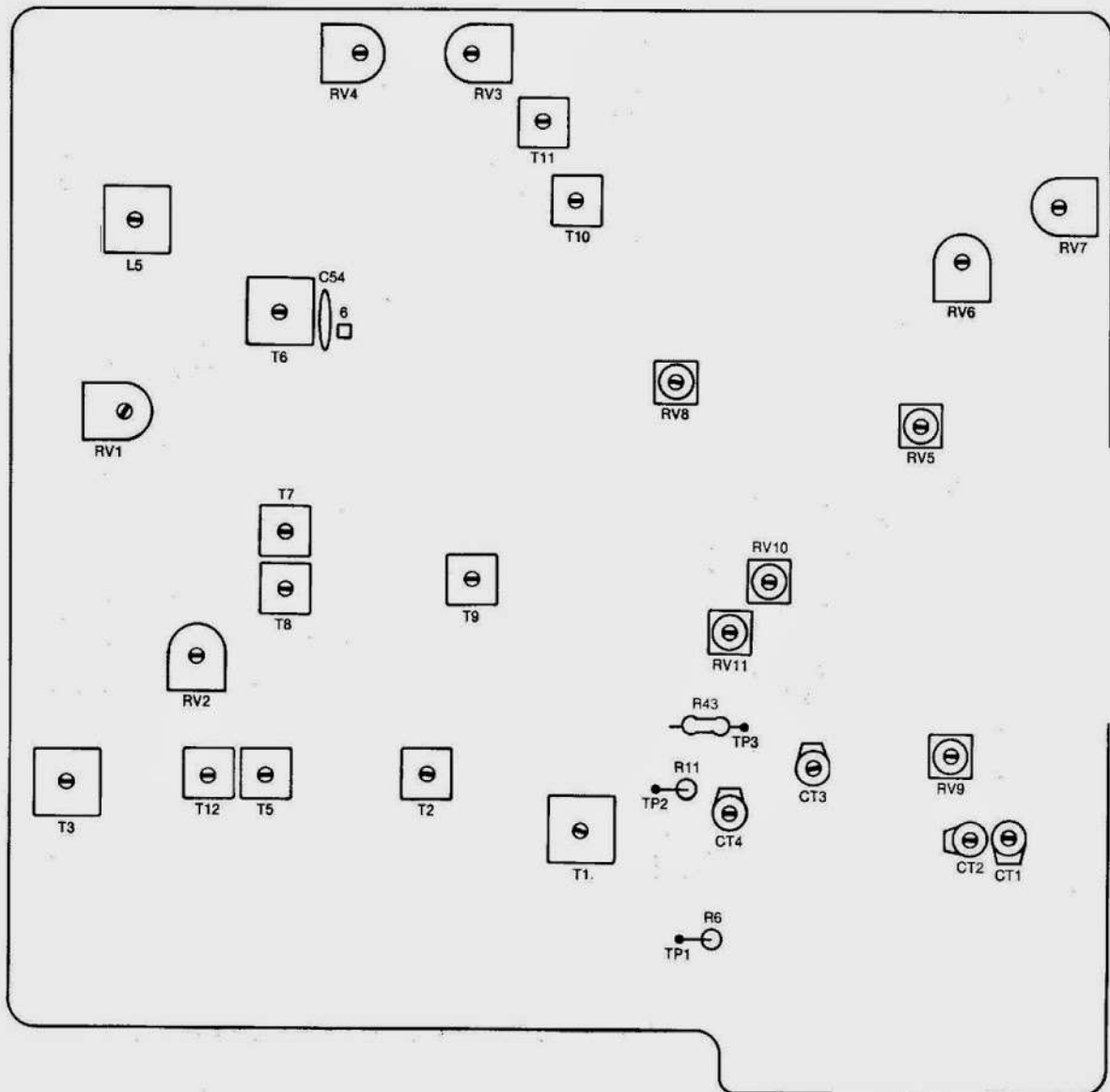
AM

| TEST EQUIPMENT | TRANSCIVER | ADJUST | REMARKS |
|---|--|----------------------------|----------------------------|
| Output of signal generator to antenna input. 27.185MHz, 1000Hz @ 30% modulation. | Ch. 19, AM Clarifier Midrange RF Gain Maximum Squelch MINIMUM NB & ANL Off | T6, T7, T8 T9, T10, T11 | Adjust for Maximum output. |

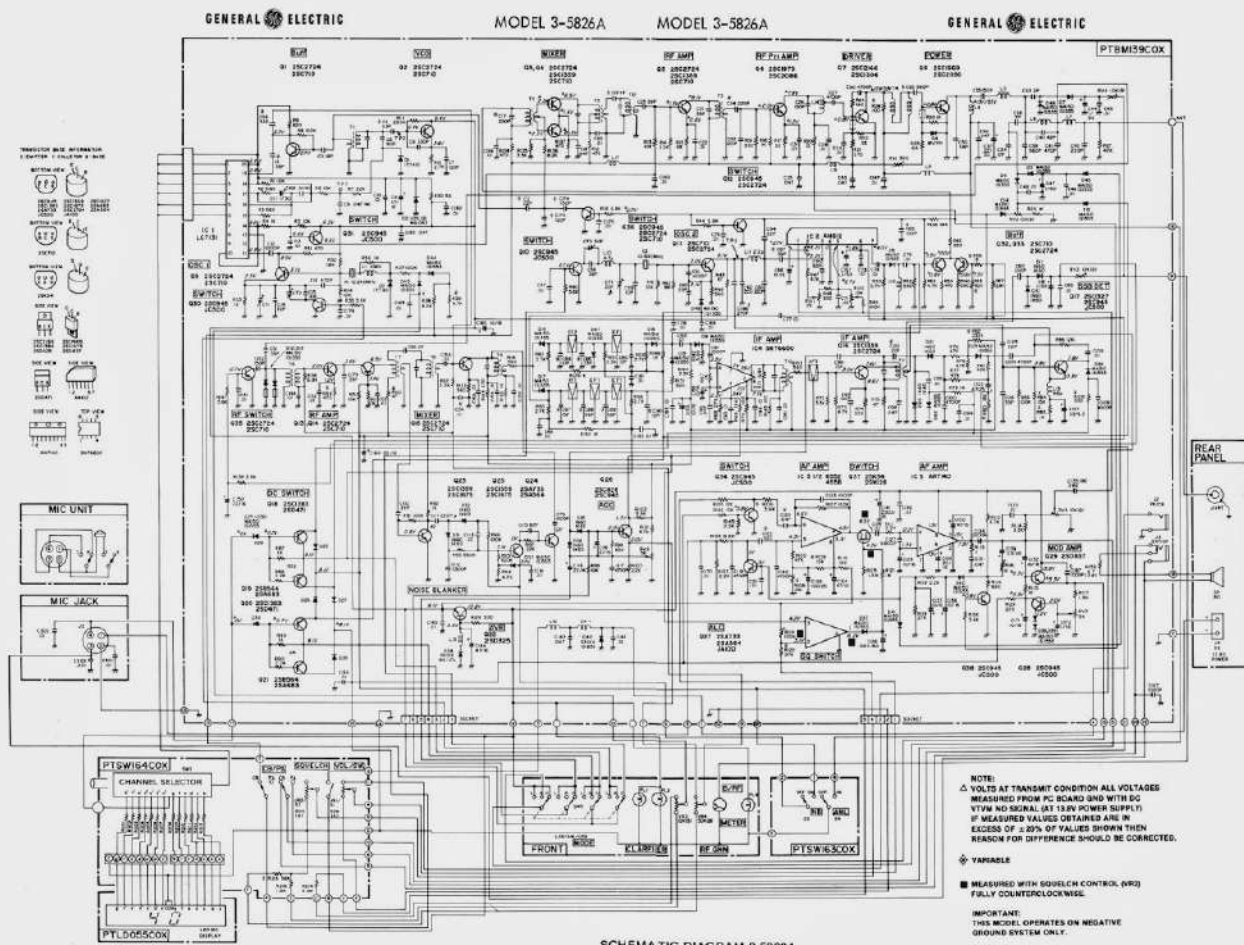
RECEIVER ADJUSTMENTS

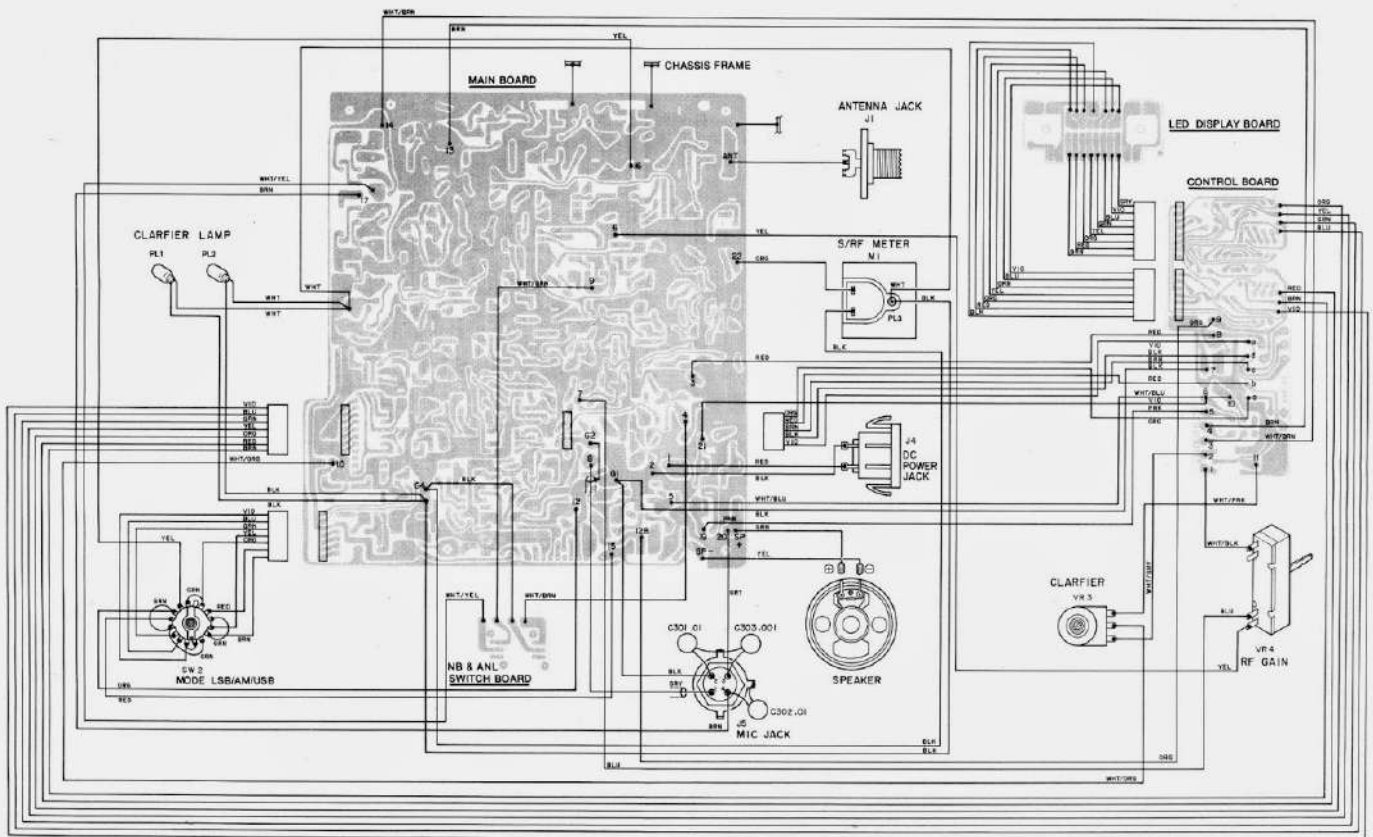
Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.

| TEST EQUIPMENT | TRANSCIVER | ADJUST | REMARKS |
|---|---|--------|---|
| Input of DC Voltmeter to Terminal 6 on Main board. | Ch. 19, USB No signal. RF Gain Maximum | RV8 | SSB AGC Adjust for 2.00V \pm .1V. |
| Output of signal generator to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 1000uV. | Ch. 19, AM RF Gain Maximum NB & ANL Off | RV9 | SQUELCH RANGE Set Squelch Control VR2 fully clockwise. Adjust RV3 so that squelch just breaks. |
| Output of signal generator to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV. | Ch. 19, AM RF Gain Maximum NB & ANL Off | RV3 | RX S METER Adjust for 9 on RX Signal scale of meter. |

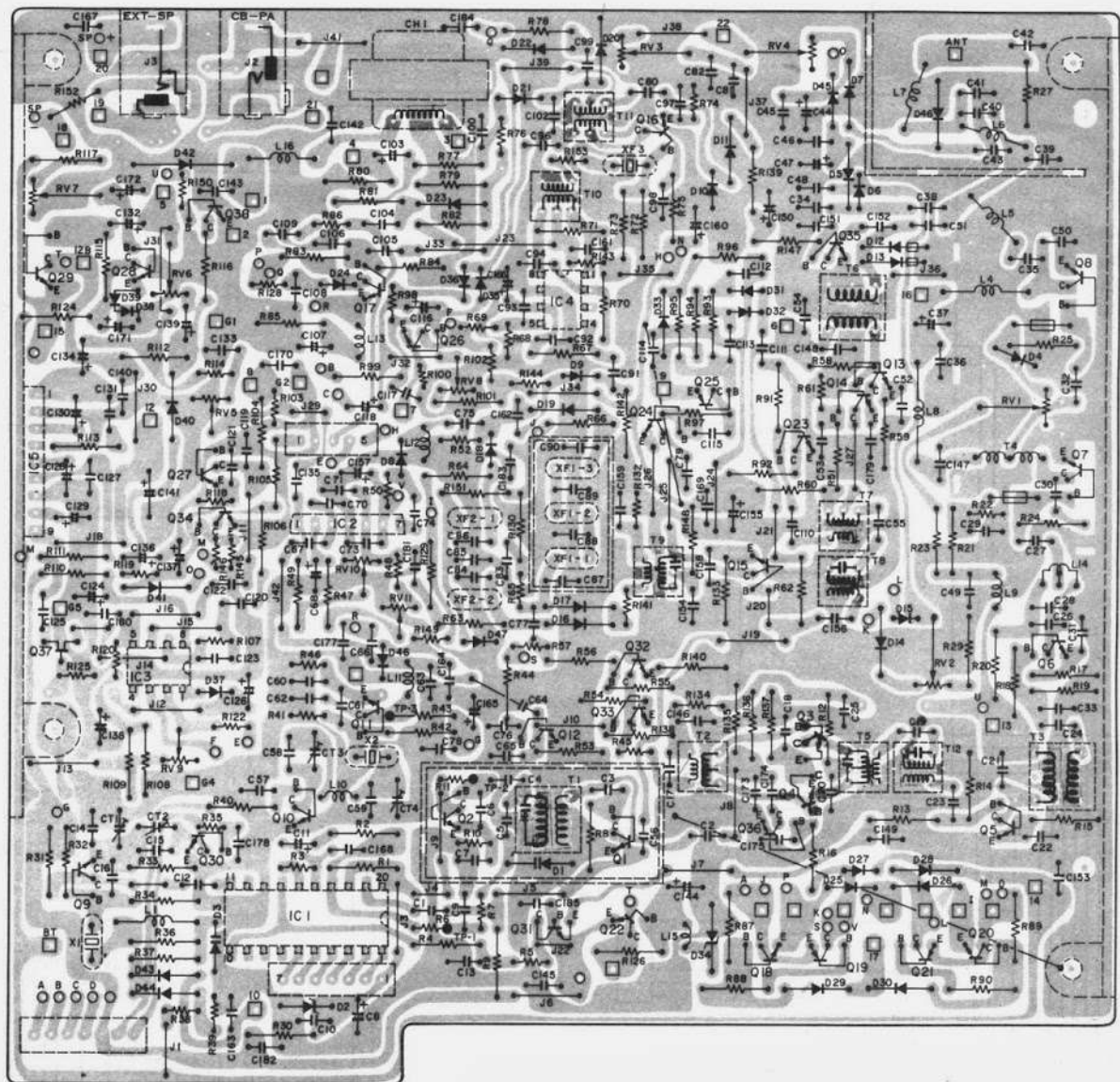


ALIGNMENT TEST POINTS AND COMPONENT LOCATION

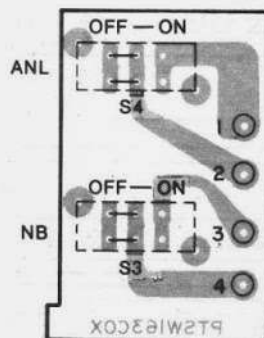
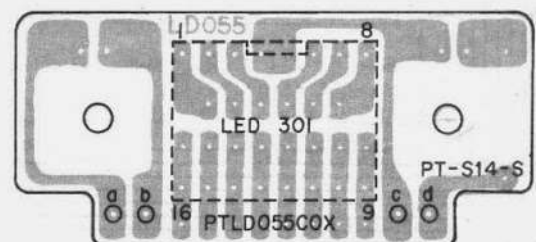




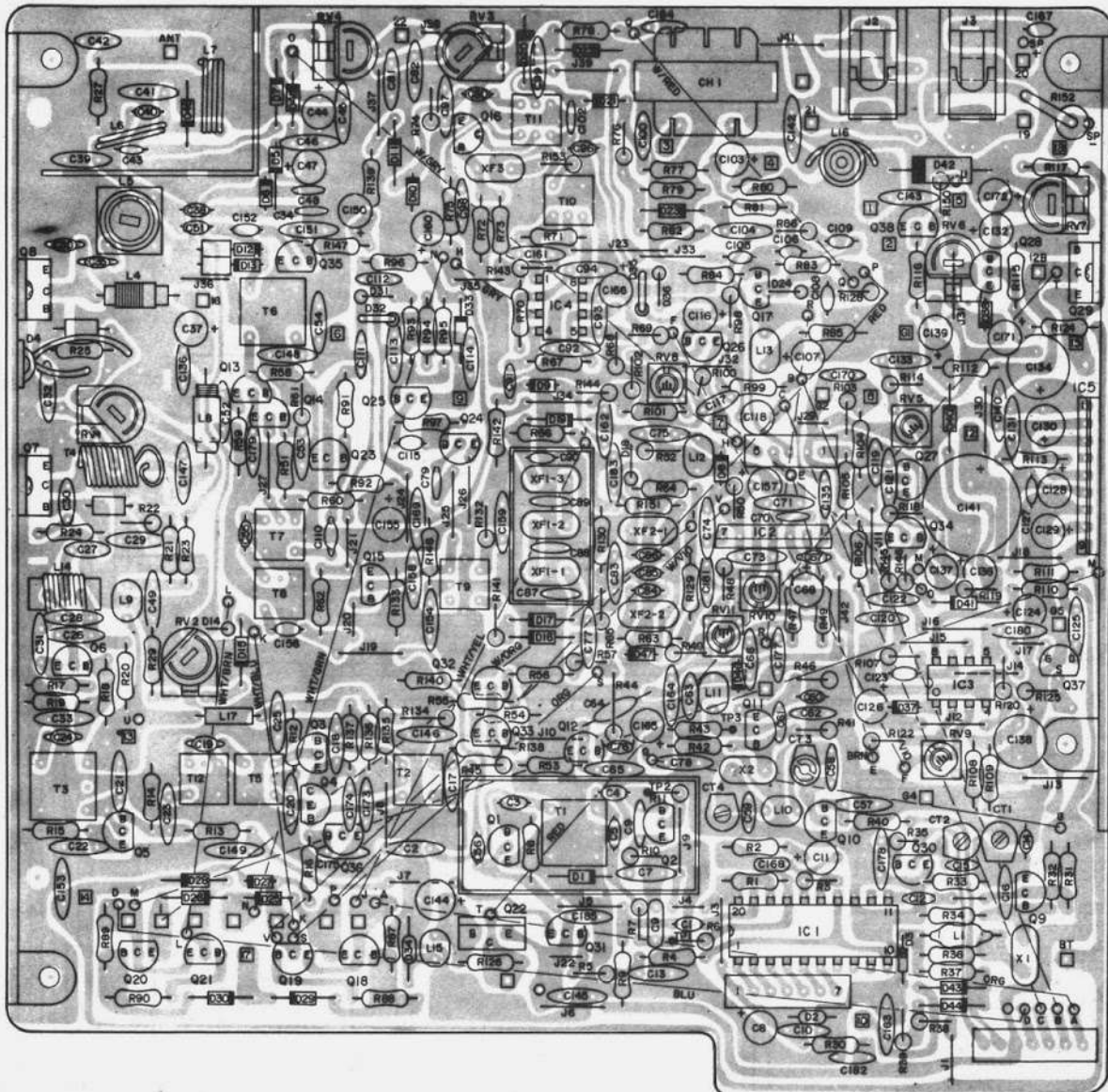
INTERCONNECTING WIRING DIAGRAM 3-5826A



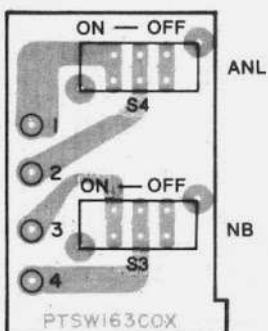
WIRING DIAGRAM MAIN BOARD-BOTTOM VIEW 3-5826A

WIRING DIAGRAM NB AND ANL
SWITCH BOARD-BOTTOM VIEW
3-5826A

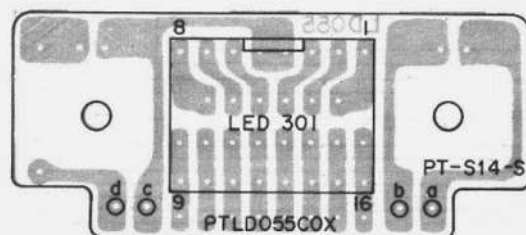
LED DISPLAY-BOTTOM VIEW 3-5826A



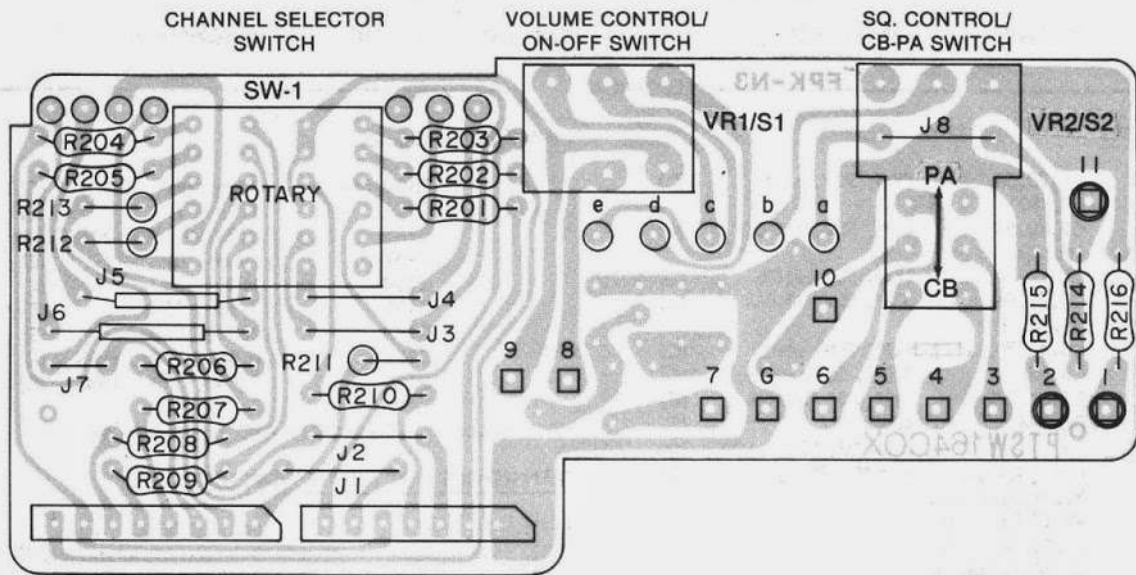
COMPONENT LAYOUT MAIN BOARD-TOP VIEW 3-5826A



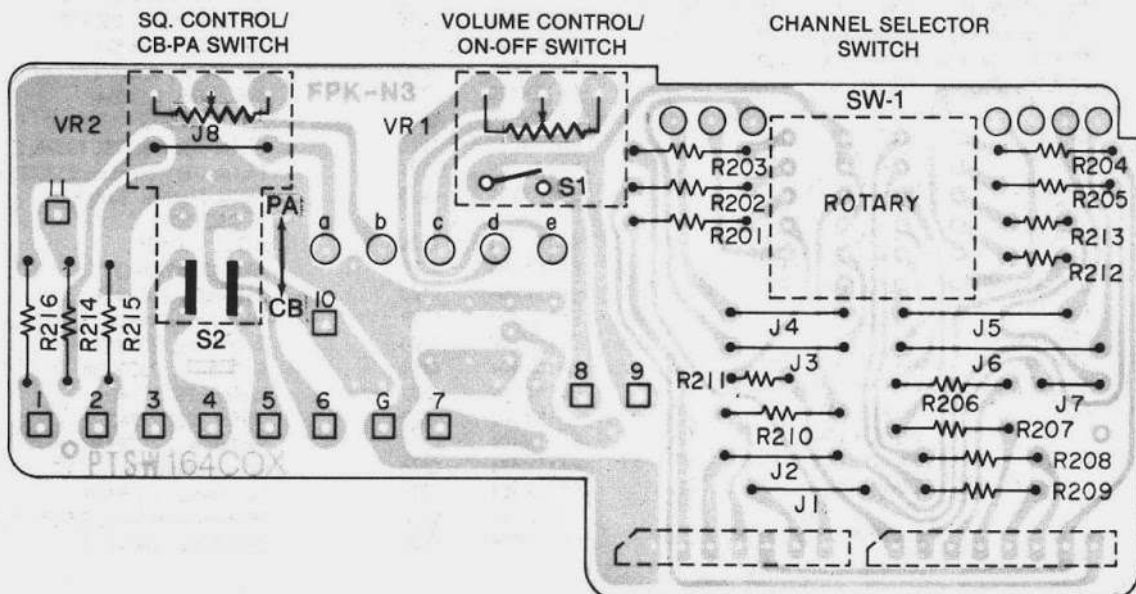
COMPONENT LAYOUT NB AND ANL
SWITCH BOARD-TOP VIEW 3-5826A



LED DISPLAY-TOP VIEW 3-5826A



COMPONENT LAYOUT CONTROL BOARD-TOP VIEW 3-5826A



MODEL 3-5826A

GENERAL ELECTRIC

REPLACEMENT PARTS LIST MODEL 3-5826A

| CAT. NO. | REF. NO. | DESCRIPTION | CAT. NO. | REF. NO. | DESCRIPTION |
|------------|--|------------------------|--|----------|--|
| ELECTRICAL | | | | | |
| CAPACITORS | | | CAPACITORS ,Cont'd. | | |
| | C1,23,58, 67,110 | 39Pf, 50V, ±10% | (C) | C130,144 | 47Mf, 16V (E) |
| | C2,60,64, 105,106 | 22Pf, 50V, ±10% | (C) | C134 | 220Mf, 16V (E) |
| | C3 | 18Pf, 50V, ±10% | (C) | C135 | 0.082Mf, 50V, ±10% (M) |
| | C4,51,56, 85,106,179 | 33Pf, 50V, ±10% | (C) | C137 | 10Mf, 10V (E) |
| | C5,40,70,115 | 82Pf, 50V, ±10% | (C) | C138 | 100Mf, 25V (E) |
| | C6,63 | 330Pf, 50V, ±10% | (C) | C139 | 3.3Mf, 25V (E) |
| | C7,33,173 | 120Pf, 50V, ±10% | (C) | C141 | 2200Mf, 16V (E) |
| | C8,124 | 47mf, 10V (E) | | C168 | 0.01Mf, 50V, ±10% (C) |
| | C9 | 0.047Mf, 50V, ±10% (M) | | C186 | 270Mf, 50V, ±10% (C) |
| | C10,13,20,22, 28,29,31,45,46, 48,52,53,54,57, 71,73,74,75,76, 77,78,82,83,93, 94,99,109,113, 114,121,125,133, 140,143,145,146, 147,148,149,151, 153,154,156,158, 159,161,162,163, 164,169,170,175, 178,181,182,183, 184,301,302 | 0.01Mf, 50V (C) | | | |
| | C11,44,47,81, 157,172 | 1Mf, 50V (E) | | | |
| | C12,61,79,91, 108,123,167,303 | 1000Pf, 50V (C) | | | |
| | C14,15,59,65, 80,84,86 | 10Pf, 50V, ±.5% (C) | | | |
| | C16,41 | 470Pf, 50V, ±10% (C) | | | |
| | C17 | 180Pf, 50V, ±10% (C) | | | |
| | C18,25,36,49, 120,142,185 | 0.047Mf, 50V, ±20% (C) | | | |
| | C19 | 4Pf, 50V, ±.25% (C) | | | |
| | C21,50,88,89 | 56Pf, 50V, ±10% (C) | | | |
| | C24,42,62,111 | 220Pf, 50V, ±10% (C) | | | |
| | C26,35,152,174 | 150Pf, 50V, ±10% (C) | | | |
| | C27,30,100, 104,117,119,180 | 4700Pf, 50V, ±10% (C) | | | |
| | C32,39 | 560Pf, 50V, ±10% (C) | | | |
| | C34,90 | 12Pf, 50V, ±10% (C) | | | |
| | C37,126 | 0.22Mf, 50V (E) | | | |
| | C38 | 7Pf, 50V, ±.5% (C) | | | |
| | C43,55 | 2Pf, 50V, ±.25% (C) | | | |
| | C65,80 | 100Pf, 50V, ±10% (C) | | | |
| | C68,116,128, 132,136,155,165, 166,171,176 | 10Mf, 16V (E) | | | |
| | C87,96 | 15Pf, 50V, ±10% (C) | | | |
| | C92,97,98,131 | 0.04Mf, 50V, ±10% (C) | | | |
| | C103 | 4.7Mf, 25V (E) | | | |
| | C107 | 33Mf, 6.3V (E) | | | |
| | C112 | 3300Pf, 50V, ±10% (C) | | | |
| | C118,129,150, 160 | 22Mf, 16V (E) | | | |
| | C122 | 0.022Mf, 50V, ±10% (C) | | | |
| | C127 | 6800Pf, 50V, ±10% (C) | | | |
| | | | (C) CERAMIC (E) ELECTROLITIC (M) MYLAR | | |
| | | | TRANSISTORS & INTEGRATED CIRCUITS | | |
| | | | EA33X8704 | IC1 | PLL, LC7131C |
| | | | EA33X8508 | IC2 | Balanced Modulation, AN612 |
| | | | EA33X8702 | IC3 | Audio Pre Amp/Squelch switch AN6552 |
| | | | EA33X8703 | IC4 | IF Amp, SN76600P |
| | | | EA33X8701 | IC5 | Audio Power Amp, AN7140 |
| | | | EA15X494 | Q1 | Buffer, 2SC2724C,D |
| | | | EA15X509 | Q2 | VCO, 2SC2724D |
| | | | EA15X509 | Q3 | Mixer, 2SC2724D |
| | | | EA15X509 | Q4 | Mixer, 2SC2724D |
| | | | EA15X509 | Q5 | Rf, Amp, 2SC2724D |
| | | | EA15X428 | Q6 | Rf Pre-Amp, 2SC1973 |
| | | | EA15X414 | Q7 | Rf Driver, 2SC2166 |
| | | | EA15X392 | Q8 | Rf Power, 2SC1969 |
| | | | EA15X509 | Q9 | 10.240MHz Osc, 2SC2724D |
| | | | EA15X508 | Q10 | Switching, 2SC945 |
| | | | EA15X509 | Q11 | 10.692 MHz Osc, 2SC2724D |
| | | | EA15X404 | Q12 | Switching, 2SC945P |
| | | | EA15X509 | Q13 | Rf Amp, 2SC2724D |
| | | | EA15X494 | Q14 | Rf Amp, 2SC2724C, D |
| | | | EA15X509 | Q15 | Mixer, 2SC2724D |
| | | | EA15X251 | Q16 | IF Amp, 2SC1359B,C |
| | | | EA15X386 | Q17 | SSB DET, 2SC1327T,U |
| | | | EA15X456 | Q18 | DC Switching, 2SD471 |
| | | | EA15X420 | Q19 | Switching, 2SB564 |
| | | | EA15X456 | Q20 | Switching, 2SD471 |
| | | | EA15X420 | Q21 | Switching, 2SB564 |
| | | | EA15X510 | Q22 | AVR, 2SD235 |
| | | | EA15X251 | Q23 | Noise Blanker, 2SC1359B,C |
| | | | EA15X385 | Q24 | Noise Det. Blanker, 2SA733-Q |
| | | | EA15X251 | Q25 | Noise Blanker Switch 2SC1359B,C |
| | | | EA15X325 | Q26 | AGC, 2SC828T |
| | | | EA15X385 | Q27 | ALC, 2SA733-Q |
| | | | EA15X404 | Q28 | SSB ALC, 2SC945T |
| | | | EA15X507 | Q29 | Modulation Amp, 2SD837 |
| | | | EA15X508 | Q30 | Switching, 2SC945 |
| | | | EA15X404 | Q31 | Switching, 2SC945P |
| | | | EA15X509 | Q32 | Buffer, 2SC2724D |
| | | | EA15X509 | Q33 | Buffer, 2SC2724C |
| | | | EA15X404 | Q34 | Switching, 2SC945P |
| | | | EA15X494 | Q35 | Rf Switching, 2SC2724C,D |
| | | | EA15X404 | Q36 | Switching, 2SC945P |
| | | | EA15X231 | Q37 | Squelch switching, 2SK34 C,D |
| | | | EA15X404 | Q38 | Switching, 2SC945P |

REPLACEMENT PARTS LIST MODEL 3-5826A

| CAT. NO. | REF. NO. | DESCRIPTION | CAT. NO. | REF. NO. | DESCRIPTION |
|----------------------|----------|-------------------------|--------------------------------------|----------|---|
| ELECTRICAL - Cont'd. | | | | | |
| <u>DIODES</u> | | | <u>COILS & TRANSFORMERS</u> | | |
| EA16X106 | D1 | Vari-Cap, ITT310 or 410 | | CH-1 | Line choke |
| EA16X490 | D2 | Zener, MA1062M | | L1 | Choke Coil, 10uH |
| EA16X106 | D3 | Vari-Cap, ITT310 or 410 | | L4 | Choke Coil |
| EA16X489 | D4 | Varistor, MV-1YH | EA36X295 | L5 | IF Rx |
| EA16X146 | D5 | Silicon, MA150 | | L6 | Choke Coil |
| EA16X146 | D6 | Silicon, MA150 | | L7 | Choke Coil |
| EA16X146 | D7 | Silicon, MA150 | | L8 | Choke Coil |
| EA16X146 | D8 | Silicon, MA150 | | L9 | Choke Coil |
| EA16X146 | D9 | Silicon, MA150 | | L10 | Choke Coil, 4.7uH |
| EA16X48 | D10 | Germanium, IN60 | | L11 | Choke Coil, 2.2uH |
| EA16X48 | D11 | Germanium, IN60 | | L12 | Choke Coil |
| EA16X146 | D12 | Silicon, MA150 | | L13 | Choke Coil, 68uH |
| EA16X146 | D13 | Silicon, MA150 | | L14 | Choke Coil |
| EA16X146 | D14 | Silicon, MA150 | | L15 | Choke Coil |
| EA16X146 | D15 | Silicon, MA150 | | L16 | Choke Coil |
| EA16X146 | D16 | Silicon, MA150 | | L17 | Choke Coil |
| EA16X146 | D17 | Silicon, MA150 | EA36X337 | T1 | VCO Adjust |
| EA16X146 | D18 | Silicon, MA150 | EA36X647 | T2 | RF TX |
| EA16X146 | D19 | Silicon, MA150 | EA36X248 | T3 | RF TX |
| EA16X48 | D20 | Germanium, IN60 | | T4 | Choke Coil |
| EA16X48 | D21 | Germanium, IN60 | EA36X646 | T5 | RF TX |
| EA16X146 | D22 | Silicon, MA150 | EA36X249 | T6 | IF RX |
| EA16X146 | D23 | Silicon, MA150 | EA36X631 | T7 | IF RX |
| EA16X146 | D24 | Silicon, MA150 | EA36X631 | T8 | IF RX |
| EA16X146 | D25 | Silicon, MA150 | EA61X375 | T9 | IF RX |
| EA16X146 | D26 | Silicon, MA150 | EA61X374 | T10 | IF RX |
| EA16X146 | D27 | Silicon, MA150 | EA61X376 | T11 | IF RX |
| EA16X146 | D28 | Silicon, MA150 | EA61X631 | T12 | RF TX |
| EA16X146 | D29 | Silicon, MA150 | | | |
| EA16X146 | D30 | Silicon, MA150 | | | |
| EA16X48 | D31 | Germanium, IN60 | <u>POTENTIOMETERS & CONTROLS</u> | | |
| EA16X48 | D32 | Germanium, IN60 | EA49X672 | RV1 | AM RF Power Adjust (300Ω) |
| EA16X146 | D33 | Silicon, MA150 | EA49X258 | RV2 | S.S.B. Rf Power Adjust (10K) |
| EA16X491 | D34 | Zener, MA1100L | EA49X258 | RV3 | S-Meter Adjust (10K) |
| EA16X48 | D35 | Germanium, IN60 | EA49X258 | RV4 | Rf Power Meter Adjust (10K) |
| EA16X48 | D36 | Germanium, IN60 | EA49X654 | RV5 | S.S.B. Rf Power Adjust (10K) |
| EA16X146 | D37 | Silicon, MA150 | EA49X360 | RV6 | AM Modulation Adjust (1K) |
| EA16X146 | D38 | Silicon, MA150 | EA49X359 | RV7 | AM Rf Power Adjust (5K) |
| EA16X146 | D39 | Silicon, MA150 | EA49X359 | RV8 | SSB AGC Adjust (5K) |
| EA16X146 | D40 | Silicon, MA150 | EA49X673 | RV9 | Squelch Adjust (100K) |
| EA16X146 | D41 | Silicon, MA150 | EA49X654 | RV10 | SSB Carrier Leakage Adjust(10K) |
| EA16X430 | D42 | Silicon, SRIK-4 | EA49X674 | RV11 | SSB Carrier Leakage Adjust(2K) |
| EA16X146 | D43 | Silicon, MA150 | EA49X675 | VR1/S1 | Volume Control (50K) w/ Power On-off switch (S1) |
| EA16X146 | D44 | Silicon, MA150 | | | |
| EA16X146 | D45 | Silicon, MA150 | EA49X676 | VR2/S2 | Squelch Control (50K) w/ CA-PB switch (S2) |
| EA16X146 | D46 | Germanium, IN60 | | | |
| EA16X146 | D47 | Germanium, IN60 | EA49X671 | VR3 | Clarifier Control (10K) |
| EA16X146 | D48 | Germanium, IN60 | EA49X670 | VR4 | Rf Gain Control (50K) |
| EA16X308 | LED301 | Channel Display, SL1222 | | | |
| <u>SWITCHES</u> | | | <u>TRIMMERS</u> | | |
| Part of VR1 | S1 | Power On-Off switch | EA30X84 | CT1 | U.S.B. 16.51300MHz adjust |
| Part of VR2 | S2 | CB-PA Switch | EA30X84 | CT2 | L.S.B. 16.51000MHz adjust |
| EA39X461 | S3 | N.B. Switch | EA30X97 | CT3 | U.S.B. 10.69200MHz adjust |
| EA39X461 | S4 | ANL switch | EA30X84 | CT4 | L.S.B. 10.69500MHz adjust |
| EA55X171 | SW1 | Channel selector switch | | | |
| EA55X170 | SW2 | LSB/AM/USB switch | | | |

REPLACEMENT PARTS LIST MODEL 3-5826A

| CAT. NO. | REF. NO. | DESCRIPTION | CAT. NO. | REF. NO. | DESCRIPTION |
|---------------------|----------|-----------------|-------------------------------|----------|-------------|
| ELECTRICAL- Cont'd. | | | | | |
| <u>JACKS</u> | | | <u>FILTERS & CRYSTALS</u> | | |
| EA41X203 | J1 | Antenna Jack | EA36X645 | XF1 | 10.6935MHz |
| EA41X235 | J2 | PA/CB Jack | EA36X644 | XF2 | |
| EA41X235 | J3 | Ext. Speaker | EA36X643 | XF3 | |
| EA41X236 | J4 | DC Power Jack | EA75X6 | X1 | 10.240MHz |
| EA41X176 | J5 | Microphone Jack | EA75X11 | X2 | 10.692MHz |

Note: 1. Parts Listed with out catalog numbers or not listed at all are non-stocked items.

Replacement Parts may be ordered from: General Electric Co., National Parts Distribution, P. O. Box 7025, Charlotte, N.C. 28217.

