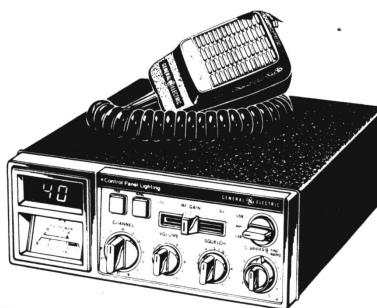


# CITIZENS BAND

## SERVICE MANUAL

### MODEL 3-5826A CB TRANSCEIVER



### MOBILE SSB -SINGLE SIDEBAND-

FEATURES
<p>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.</p> <ul style="list-style-type: none"> <li>● Nitebright illuminated control panel for convenient night time operation</li> <li>● Dual-Clarifier Control ...5 to 1 ratio for fine VS coarse control for true fine tuning of receiver frequency</li> <li>● Lighted S/Rf meter ...shows relative Receive &amp; Transmit signal strength</li> <li>● NB (Noise Blanker) &amp; ANL (Automatic Noise Limiter) switches to reduce ignition type noise.</li> <li>● PA capability to monitor CB calls through PA speaker or use as PA system.</li> <li>● Built-in Mic. Pre Amp - for modulation boost at low volume level</li> <li>● LED channel display</li> <li>● Screw-on type microphone</li> <li>● Removable DC power cord</li> <li>● Quick release mounting thumb screws from mounting bracket</li> <li>● Rf Gain Control</li> <li>● Jacks for: External Speaker (8Ω), PA Speaker (8Ω), &amp; DC power cord</li> </ul>

SERVICE	SPECIFICATIONS
<p style="text-align: center;">GENERAL</p> <p>CHANNELS: 40 channels, PLL digital logic synthesizer circuitry SSB-80</p> <p>POWER REQUIREMENT: Consumption 25 watts, current drain: 1.8 amps (100% mod.) at 13.8 volt DC</p> <p>POWER SUPPLY: 12 volts DC nominal negative ground</p> <p>SEMICONDUCTORS: Integrated circuits, transistors and diodes</p> <p>OPERATING TEMPERATURE RANGE: -30° to +50°C</p> <p>MICROPHONE: Dynamic with push-to-talk switch, 500 ohm</p> <p>SWITCHABLE ANL (Automatic Noise Limiter)</p> <p>SWITCHABLE NB (Noise Blanker)</p> <p>SWITCHABLE PA (Public Address)</p> <p>CONTROLS: Volume with ON/OFF switch, squelch and PA control, RF Gain, clarifier, channel selector switch</p> <p>CONNECTORS: External speaker and PA jacks 3.5mm(8ohms impedance), antenna receptacle to match PL-259 coax (50 ohms impedance)</p> <p>CIRCUIT PROTECTIONS: Prevents transistor burn-out when transmitting with open or loose antenna, 3-amp fuse in DC power cord</p>	<p style="text-align: center;">TRANSMITTER</p> <p>FREQUENCY RESPONSE: 400Hz to 2.5kHz</p> <p>FREQUENCY COVERAGE: 26.965 to 27.405 MHz; 40 channels and SSB 80 channels.</p> <p>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.</p> <p>MODULATION: Capable of 100%; factory pre-set limit 85-100%</p> <p>FREQUENCY TOLERANCE: Better than ±.005% max.</p> <p style="text-align: center;">RECEIVER</p> <p>SYSTEM: Single conversion Superheterodyne.</p> <p>SENSIVITY: AM-Better than .5uv for 500MW, SSB-.25uv for 500 MW audio power.</p> <p>CLARIFIER: Min. 1000, Max. 2200 Hz.</p> <p>FREQUENCY COVERAGE: 26.965 to 27.405 MHz.</p> <p>ADJACENT CHANNEL SELECTIVITY: Better than 60db.</p> <p>SPURIOUS REJECTION: Better than 45db.</p> <p>IF FREQUENCIES: 10.695 MHz (AM) 10.6935MHz (SSB).</p> <p>SQUELCH RANGE (SENSITIVITY): 0.5 to 2000 uV nominal.</p> <p>IMAGE REJECTION RATIO: Better than 55db.</p> <p>SIGNAL TO NOISE (S/N): Unsquelled; min. 40 db, squelched; min. 60 db.</p> <p>All Measurements at 25° C &amp; 13.8 VDC.</p>

**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.

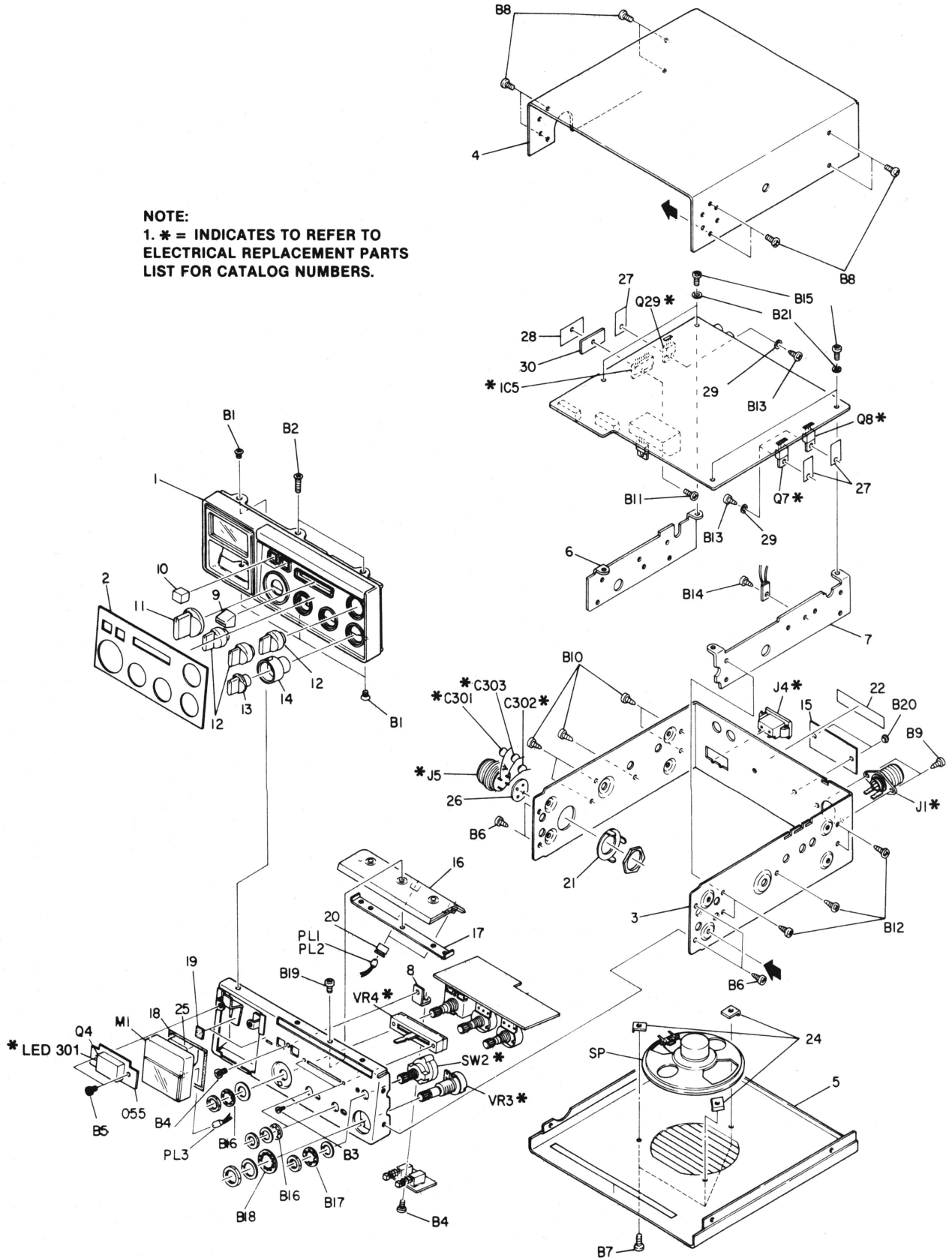
To service the Volume control, Squelch control, RF Gain control, Clarifier control,

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.

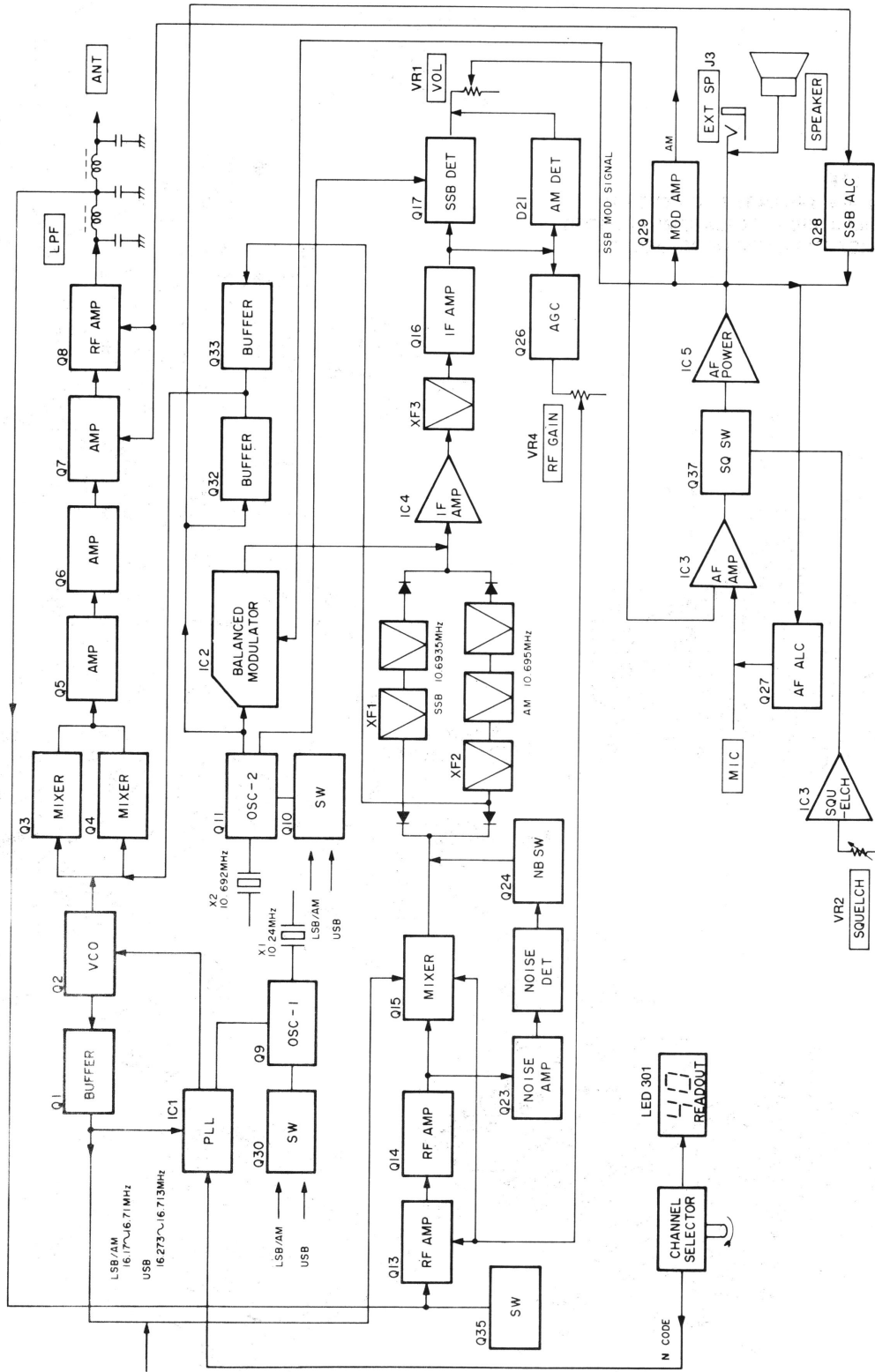
REPLACEMENT PARTS LIST MODEL 3-5826A

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			
EA62X310	M-1	S/Rf Meter	Note:	1.	Parts not listed are non-stocked replacement items.
EA41X237	PL1	Meter pilot light		2.	AC and CA references are for factory use only.
EA41X328	PL2,3	Reflector pilot light		3.	For additional accessories, refer to G.E. accessories catalog or use and care Guide manual for this model.
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

CHANNEL	1 = 6.57V      0 = .02V IC1 PROGRAM DIVIDER						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
	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) Clarifier 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	TRANSCIVER	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 ±0.3V.
Input of frequency counter to TP3 (Q11 collector).	Ch. 20, LSB Xmit	CT4	Adjust for 10.695MHz +50/-0Hz.
	Ch. 20, USB Xmit	CT3	Adjust for 10.692MHz +0/-50Hz.
Input of frequency counter to TP2 (Q2 base).	Ch. 20, USB Xmit	CT1	Adjust for 16.513MHz ±50Hz.
	Ch. 20, LSB Xmit	CT2	Adjust for 16.510MHz ±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	TRANSCIVER	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	TRANSCIVER	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	TRANSCEIVER	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.

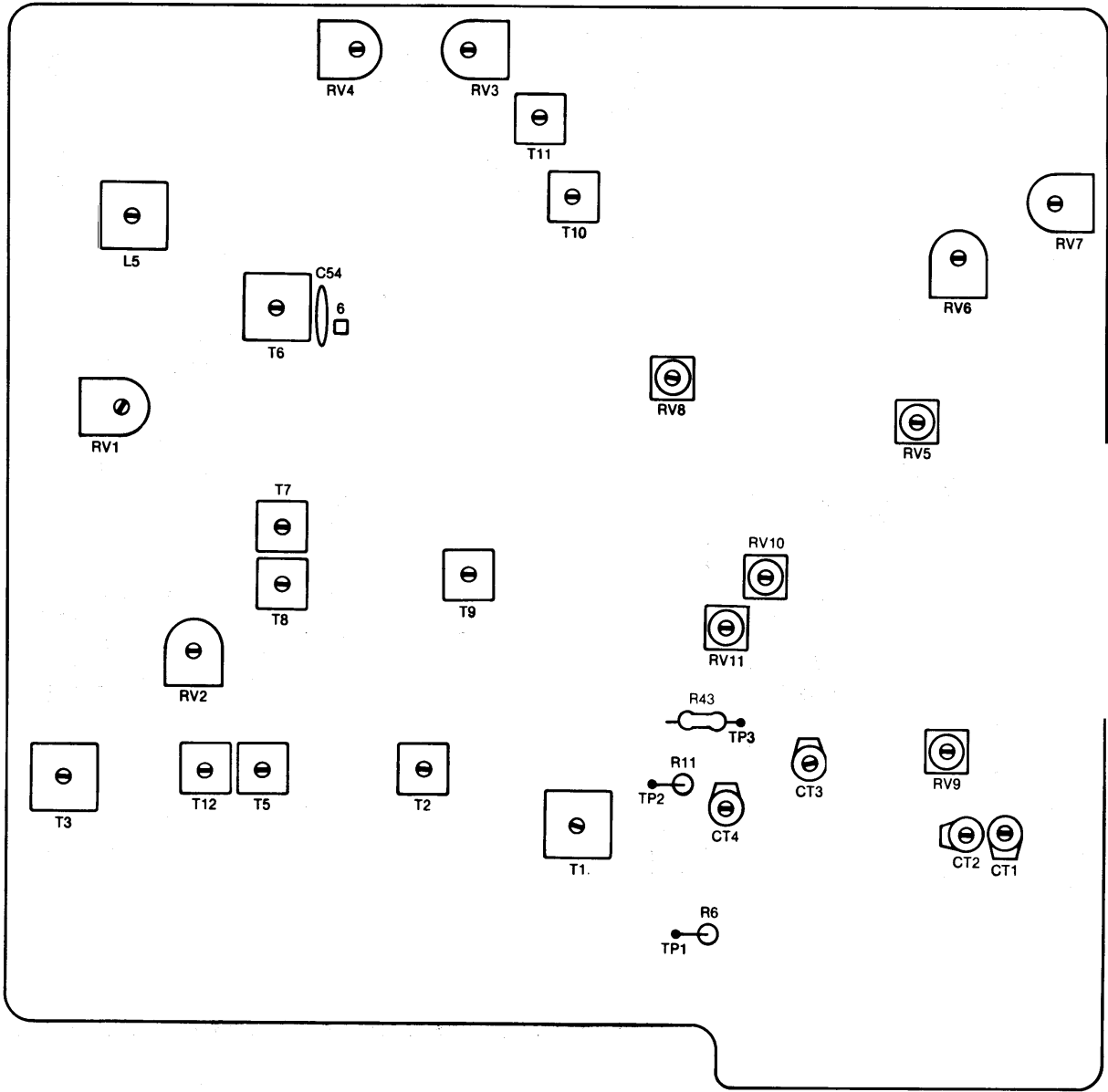
**AM**

TEST EQUIPMENT	TRANSCEIVER	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**

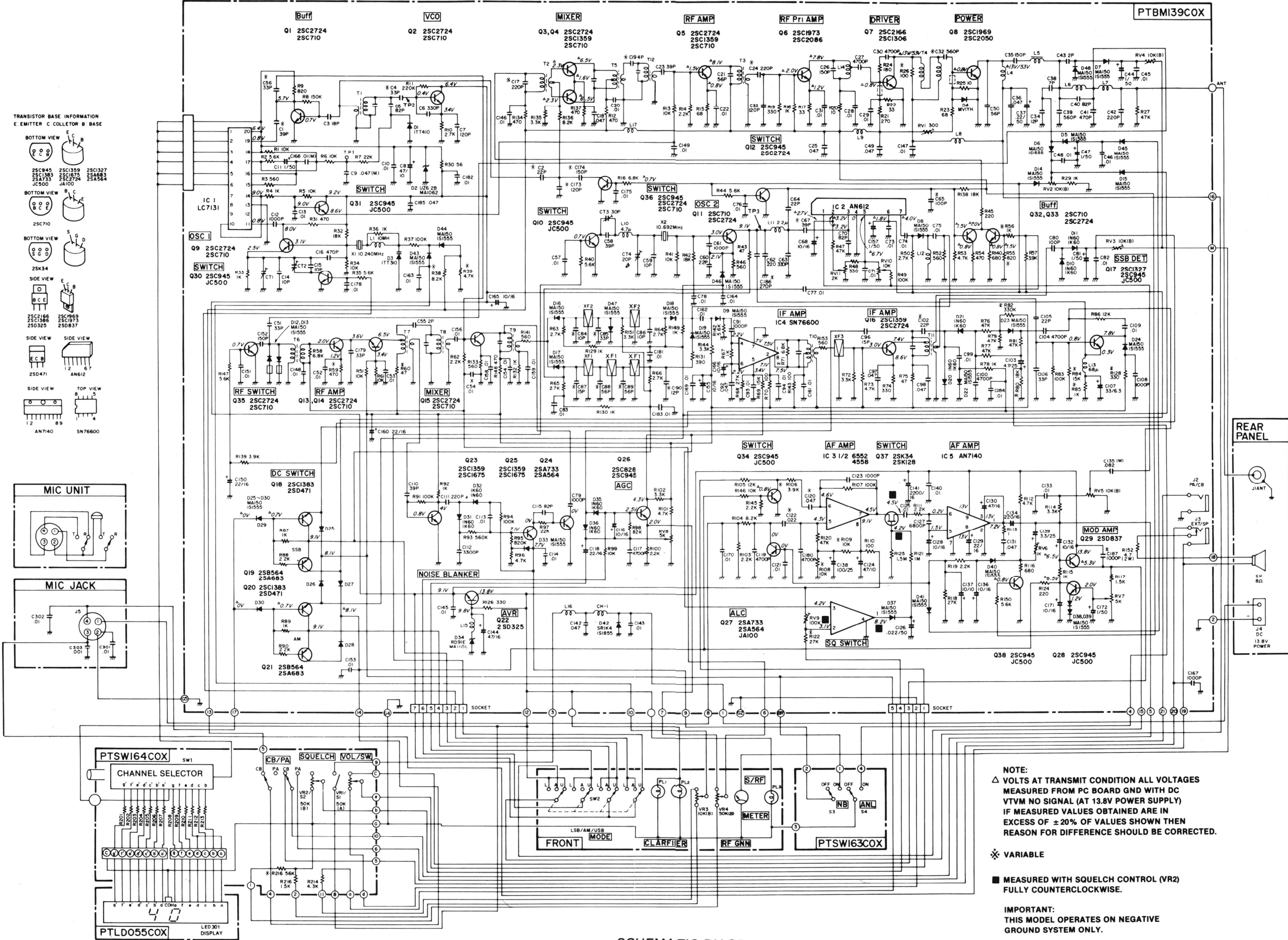
Connect an AC VTVM or AF wattmeter across speaker voice coil.  
Adjust volume control to obtain a suitable indication.

TEST EQUIPMENT	TRANSCEIVER	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 ±.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.

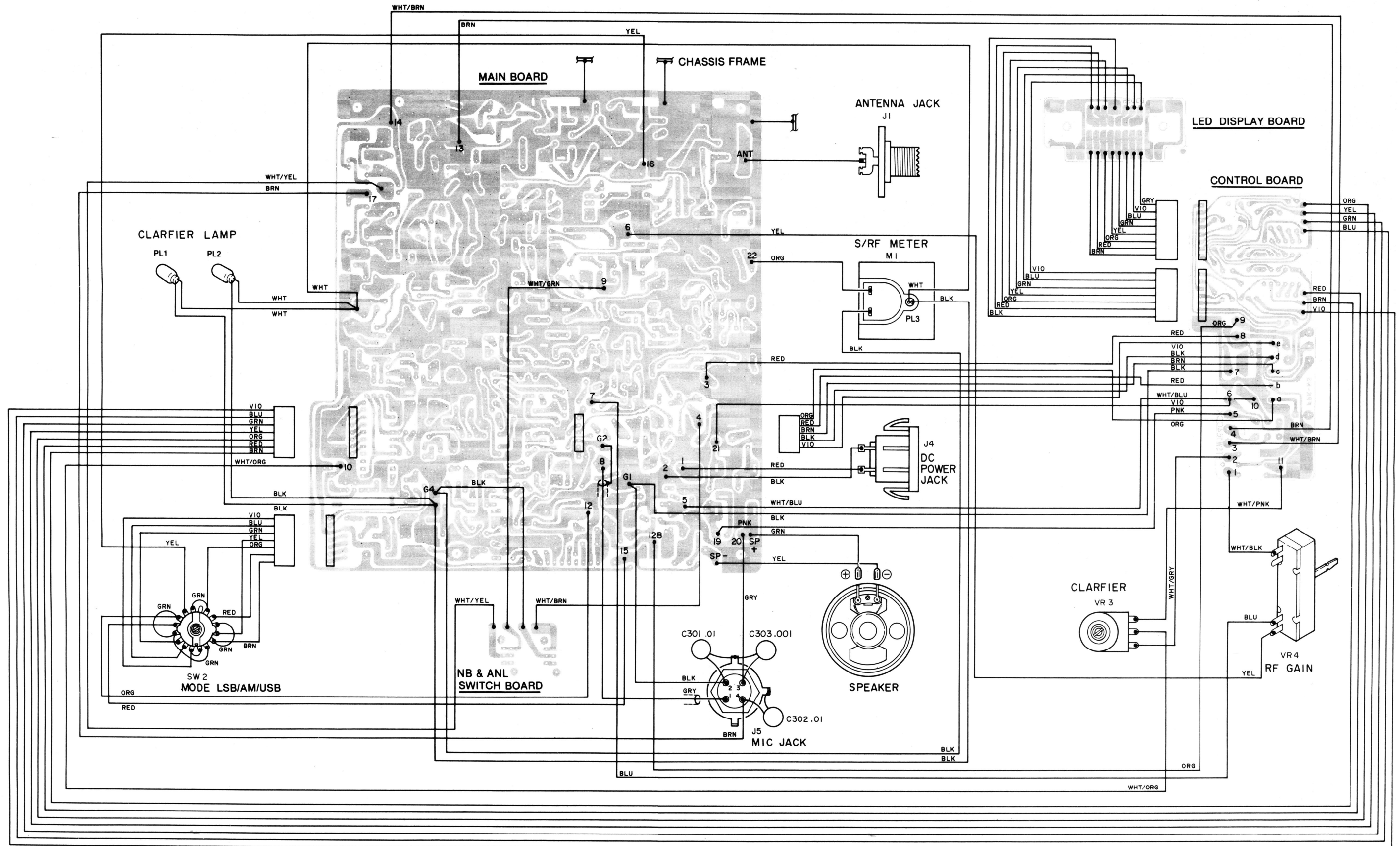


ALIGNMENT TEST POINTS AND COMPONENT LOCATION

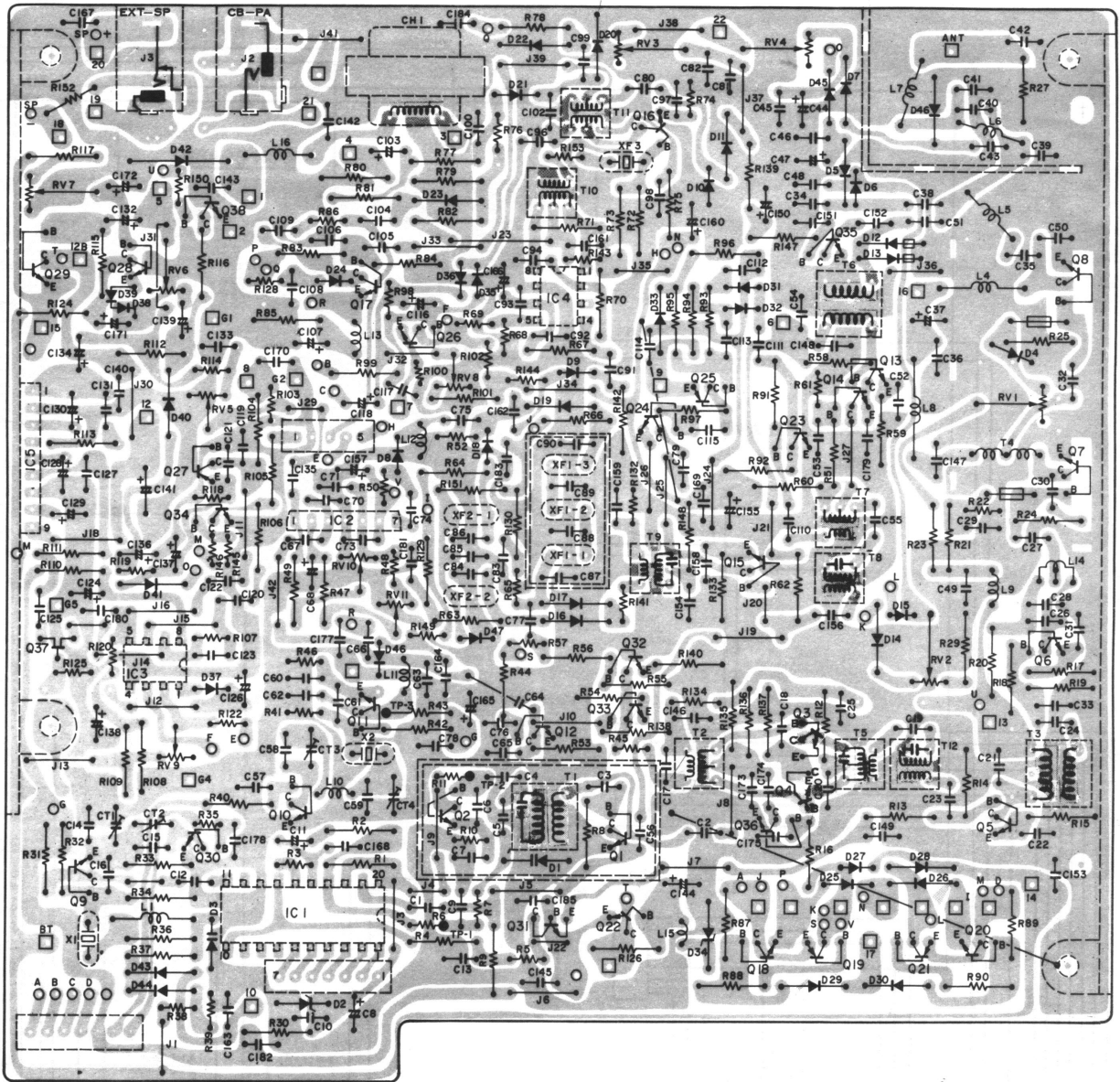




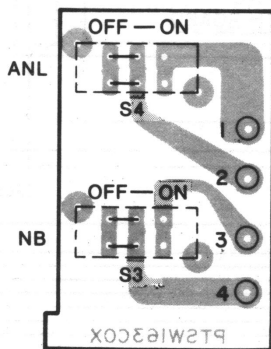
SCHEMATIC DIAGRAM 3-5826A



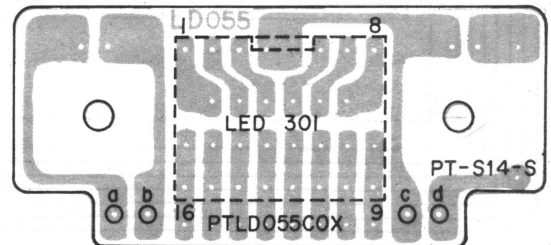
INTERCONNECTING WIRING DIAGRAM 3-5826A



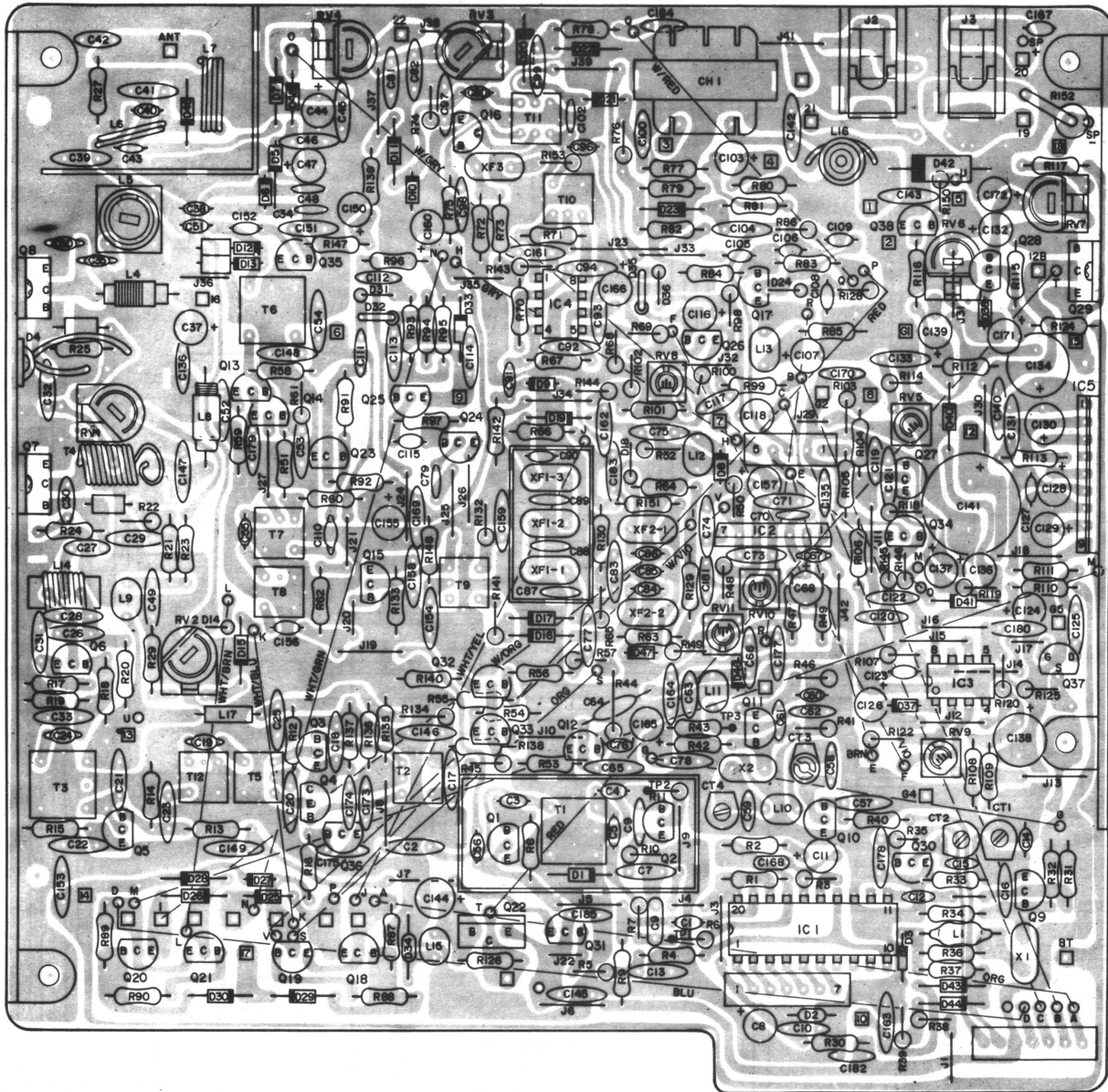
WIRING DIAGRAM MAIN BOARD-BOTTOM VIEW 3-5826A



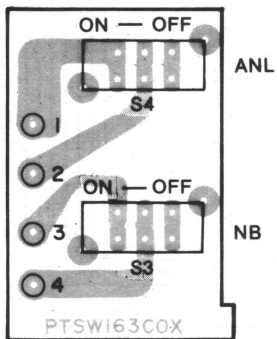
WIRING DIAGRAM NB AND ANL  
SWITCH BOARD-BOTTOM VIEW  
3-5826A



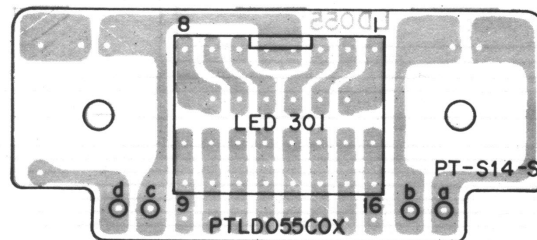
LED DISPLAY-BOTTOM VIEW 3-5826A



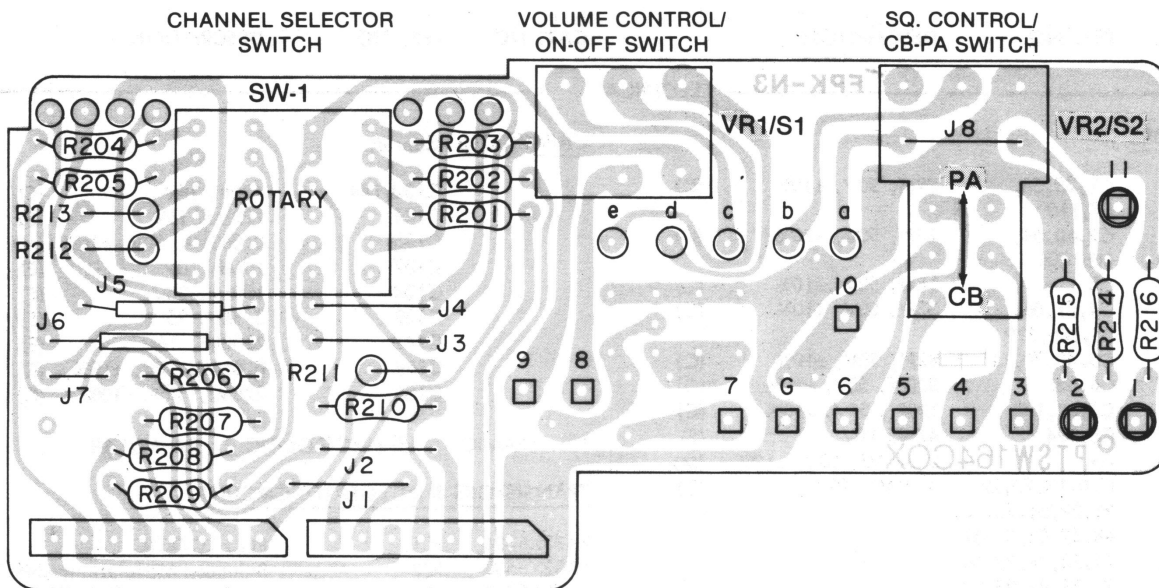
COMPONENT LAYOUT MAIN BOARD-TOP VIEW 3-5826A



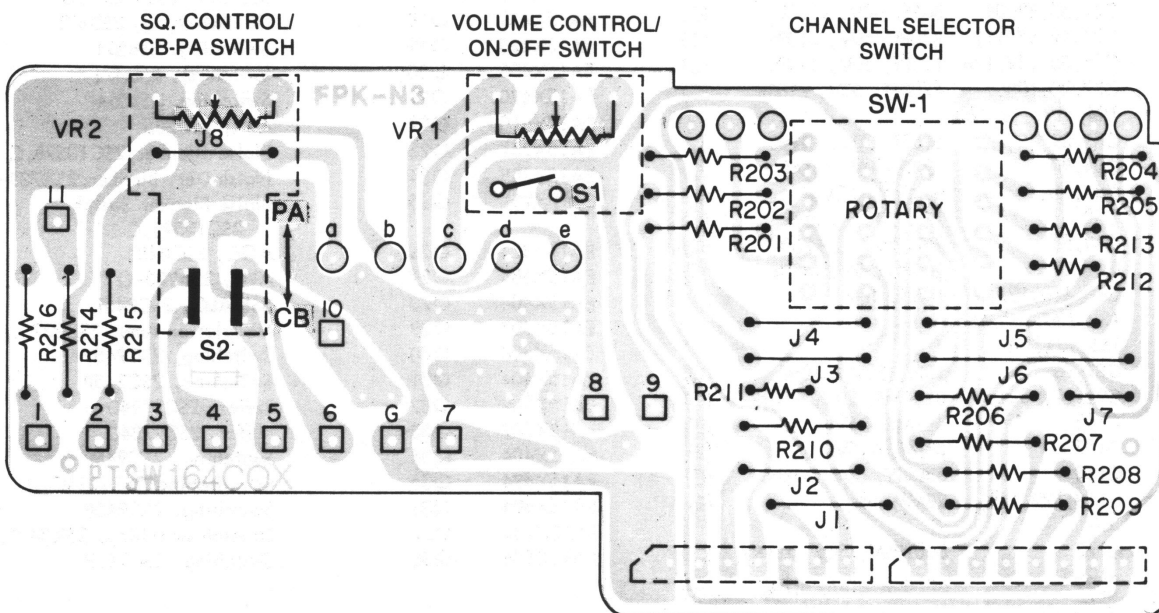
COMPONENT LAYOUT NB AND ANL SWITCH BOARD-TOP VIEW 3-5826A



LED DISPLAY-TOP VIEW 3-5826A



COMPONENT LAYOUT CONTROL BOARD-TOP VIEW 3-5826A



CAT. NO.	REF. NO.	DESCRIPTION	CAT. NO.	REF. NO.	DESCRIPTION
ELECTRICAL					
<u>CAPACITORS</u>			<u>CAPACITORS ,Cont'd.</u>		
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)	(C) CERAMIC (E) ELECTROLITIC (M) MYLAR	
C11,44,47,81, 157,172		1Mf, 50V	(E)	<u>TRANSISTORS &amp; INTEGRATED CIRCUITS</u>	
C12,61,79,91, 108,123,167,303		1000PF, 50V	(C)	EA33X8704	IC1 PLL, LC7131C
C14,15,59,65, 80,84,86		10Pf, 50V, ±.5%	(C)	EA33X8508	IC2 Balanced Modulation,AN612
C16,41		470Pf, 50V, ±10%	(C)	EA33X8702	IC3 Audio Pre Amp/Squelch switch AN6552
C17		180Pf, 50V, ±10%	(C)	EA33X8703	IC4 IF Amp, SN76600P
C18,25,36,49, 120,142,185		0.047Mf, 50V, ±20%	(C)	EA33X8701	IC5 Audio Power Amp, AN7140
C19		4Pf, 50V, ±.25%	(C)	EA15X494	Q1 Buffer, 2SC2724C,D
C21,50,88,89		56Pf, 50V, ±10%	(C)	EA15X509	Q2 VCO, 2SC2724D
C24,42,62,111		220Pf, 50V, ±10%	(C)	EA15X509	Q3 Mixer, 2SC2724D
C26,35,152,174		150Pf, 50V, ±10%	(C)	EA15X509	Q4 Mixer, 2SC2724D
C27,30,100, 104,117,119,180		4700Pf, 50V, ±10%	(C)	EA15X509	Q5 Rf, Amp, 2SC2724D
C32,39		560Pf, 50V, ±10%	(C)	EA15X428	Q6 Rf Pre-Amp, 2SC1973
C34,90		12Pf, 50V, ±10%	(C)	EA15X414	Q7 Rf Driver, 2SC2166
C37,126		0.22Mf, 50V	(E)	EA15X392	Q8 Rf Power, 2SC1969
C38		7Pf, 50V, ±.5%	(C)	EA15X509	Q9 10.240MHz Osc,2SC2724D
C43,55		2Pf, 50V, ±.25%	(C)	EA15X508	Q10 Switching, 2SC945
C65,80		100Pf, 50V, ±10%	(C)	EA15X509	Q11 10.692 MHz Osc,2SC2724D
C68,116,128, 132,136,155,165, 166,171,176		10Mf, 16V	(E)	EA15X404	Q12 Switching, 2SC945P
C87,96		15Pf, 50V, ±10%	(C)	EA15X509	Q13 Rf Amp, 2SC2724D
C92,97,98,131		0.04Mf, 50V, ±10%	(C)	EA15X494	Q14 Rf Amp, 2SC2724C, D
C103		4.7Mf, 25V	(E)	EA15X509	Q15 Mixer, 2SC2724D
C107		33Mf, 6.3V	(E)	EA15X251	Q16 IF Amp, 2SC1359B,C
C112		3300Pf, 50V, ±10%	(C)	EA15X386	Q17 SSB DEF, 2SC1327T,U
C118,129,150, 160		22Mf, 16V	(E)	EA15X456	Q18 DC Switching, 2SD471
C122		0.022Mf, 50V, ±10%	(C)	EA15X420	Q19 Switching, 2SB564
C127		6800Pf, 50V, ±10%	(C)	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.

DIODES

EA16X106	D1	Vari-Cap, ITT310 or 410
EA16X490	D2	Zener, MA1062M
EA16X106	D3	Vari-Cap, ITT310 or 410
EA16X489	D4	Varistor, MV-1YH
EA16X146	D5	Silicon, MA150
EA16X146	D6	Silicon, MA150
EA16X146	D7	Silicon, MA150
EA16X146	D8	Silicon, MA150
EA16X146	D9	Silicon, MA150
EA16X48	D10	Germanium, IN60
EA16X48	D11	Germanium, IN60
EA16X146	D12	Silicon, MA150
EA16X146	D13	Silicon, MA150
EA16X146	D14	Silicon, MA150
EA16X146	D15	Silicon, MA150
EA16X146	D16	Silicon, MA150
EA16X146	D17	Silicon, MA150
EA16X146	D18	Silicon, MA150
EA16X146	D19	Silicon, MA150
EA16X48	D20	Germanium, IN60
EA16X48	D21	Germanium, IN60
EA16X146	D22	Silicon, MA150
EA16X146	D23	Silicon, MA150
EA16X146	D24	Silicon, MA150
EA16X146	D25	Silicon, MA150
EA16X146	D26	Silicon, MA150
EA16X146	D27	Silicon, MA150
EA16X146	D28	Silicon, MA150
EA16X146	D29	Silicon, MA150
EA16X146	D30	Silicon, MA150
EA16X48	D31	Germanium, IN60
EA16X48	D32	Germanium, IN60
EA16X146	D33	Silicon, MA150
EA16X491	D34	Zener, MA1100L
EA16X48	D35	Germanium, IN60
EA16X48	D36	Germanium, IN60
EA16X146	D37	Silicon, MA150
EA16X146	D38	Silicon, MA150
EA16X146	D39	Silicon, MA150
EA16X146	D40	Silicon, MA150
EA16X146	D41	Silicon, MA150
EA16X430	D42	Silicon, SR1K-4
EA16X146	D43	Silicon, MA150
EA16X146	D44	Silicon, MA150
EA16X146	D45	Silicon, MA150
EA16X146	D46	Germanium, IN60
EA16X146	D47	Germanium, IN60
EA16X146	D48	Germanium, IN60
EA16X308	LED301	Channel Display, SL1222

SWITCHES

Part of VR1	S1	Power On-Off switch
Part of VR2	S2	CB-PA Switch
EA39X461	S3	N.B. Switch
EA39X461	S4	ANL switch
EA55X171	SW1	Channel selector switch
EA55X170	SW2	LSB/AM/USB switch

COILS & TRANSFORMERS

	CH-1	Line choke
	L1	Choke Coil, 10uh
	L4	Choke Coil
EA36X295	L5	IF Rx
	L6	Choke Coil
	L7	Choke Coil
	L8	Choke Coil
	L9	Choke Coil
	L10	Choke Coil, 4.7uH
	L11	Choke Coil, 2.2uH
	L12	Choke Coil
	L13	Choke Coil, 68uH
	L14	Choke Coil
	L15	Choke Coil
	L16	Choke Coil
	L17	Choke Coil
EA36X337	T1	VCO Adjust
EA36X647	T2	RF TX
EA36X248	T3	RF TX
	T4	Choke Coil
EA36X646	T5	RF TX
EA36X249	T6	IF RX
EA36X631	T7	IF RX
EA36X631	T8	IF RX
EA61X375	T9	IF RX
EA61X374	T10	IF RX
EA61X376	T11	IF RX
EA61X631	T12	RF TX

POTENTIOMETERS & CONTROLS

EA49X672	RV1	AM Rf Power Adjust (300Ω)
EA49X258	RV2	S.S.B. Rf Power Adjust (10K)
EA49X258	RV3	S-Meter Adjust (10K)
EA49X258	RV4	Rf Power Meter Adjust (10K)
EA49X654	RV5	S.S.B. Rf Power Adjust (10K)
EA49X360	RV6	AM Modulation Adjust (1K)
EA49X359	RV7	AM Rf Power Adjust (5K)
EA49X359	RV8	SSB AGC Adjust (5K)
EA49X673	RV9	Squelch Adjust (100K)
EA49X654	RV10	SSB Carrier Leakage Adjust(10K)
EA49X674	RV11	SSB Carrier Leakage Adjust(2K)
EA49X675	VR1/S1	Volume Control (50K) w/ Power On-off switch (S1)
EA49X676	VR2/S2	Squelch Control (50K) w/ CA-PB switch (S2)
EA49X671	VR3	Clarifier Control (10K)
EA49X670	VR4	Rf Gain Control (50K)

TRIMMERS

EA30X84	CT1	U.S.B. 16.51300MHz adjust
EA30X84	CT2	L.S.B. 16.51000MHz adjust
EA30X97	CT3	U.S.B. 10.69200MHz adjust
EA30X84	CT4	L.S.B. 10.69500MHz adjust

REPLACEMENT PARTS LIST MODEL 3-5826A

CAT. NO.	REF. NO.	DESCRIPTION	CAT. NO.	REF. NO.	DESCRIPTION
ELECTRICAL- Cont'd.					
<u>JACKS</u>			<u>FILTERS &amp; 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.

