



PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.

(Refer to FCC Rules and Regulations Part 95, Subpart C & D.)

The frequency of the transmitter should be checked periodically with a secondary frequency standard to insure proper and legal operation.

Best results will be obtained when adjusting the final RF output circuit if the antenna normally used is connected and the chassis is as nearly in the cabinet as possible.

Connect either 50-ohm dummy load or the normally used antenna system.



MODEL Stalker III

MANUFACTURER'S SPECIFICATIONS

GENERAL

Channel	40
Frequency Range	26.965 MHz to 27.405 MHz
Frequency Control	PLL Synthesized
Antenna Impedance	50 ohms
Power Input	13.8V DC
Accessories	DC power cord, detachable dynamic microphone and microphone hanger
Size	5-3/16" (W) x 7-3/4" (D) x 2" (H)

TRANSMITTER

Output Power	4 watts
Emission Type AM	6A3
Spurious Harmonic Emission	Better than -60 dB
Frequency Tolerance	0.003%
Modulation Percentage (Peak)	100%

RECEIVER

Sensitivity at 10 dB S+N/N	0.5 μ V
Sensitivity for 500 mW Audio Output	0.4 μ V
Squelch Threshold	0.25 μ V
Squelch Deepest Point	200 μ V

TEABERRY MODEL STALKER III

Courtesy of the Manufacturer

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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9CE1080

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.
Suggested Alignment Tools: GC ELECTRONICS:
CT801.....8276,5000,9089
L905.....9304,9300,9302
L901,L903,F901.....9440
L101,L102,L103,T301,T302,T303,T304,
T801 thru T807.....5009,8728-A,8728

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP5 (Q301, base).	Ch. 19	CT801	Adjust for 10.240MHz +100Hz, -50Hz.
Input of oscilloscope to TP5 (Q301, base).	Ch. 19	T801	Adjust for maximum (200mV P-P typical). (See Figure 1.)
Input of DC meter to TP1 (Junction of R821 and R820).	Ch. 19	T802	Adjust for 2.5 volts $\pm$.1 volt. Check for approximately 1.8 volts on Ch. 1. Check for approximately 3.3 volts on Ch. 40. Check for approximately 3.3 volts on Ch. 1. Check for approximately 5.1 volts on Ch. 40.
	Ch. 19, XMT		
Input of oscilloscope to TP6 (Q103 & Q104, Emitter)	Ch. 19	T803	Adjust for maximum (160mV P-P typical). (See Figure 2.)
Input of frequency counter to TP6 (Q103 & Q104, Emitter).	Ch. 1		Check for 16.270MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP2. (IC802, Pin 2).	Ch. 1		Check for 16.270MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP2 (IC802, Pin 2).	Ch. 1		Check for 16.725MHz. Check all channels. (See Truth Chart for correct frequencies.)

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.
Squelch MINIMUM

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP5 (Q301, base). 455kHz, 1000Hz @ 30% modulation.	Ch. 19	T304,T303	Adjust for maximum.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	T302,T301, L103,L102, L101	Adjust for maximum. If necessary readjust T303 and T304.

RECEIVER ADJUSTMENTS

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

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of DC meter to TP3. No signal input.	Ch. 19	VR5	AGC Adjust for 1.25 volts ±.05 volts.
Input of DC meter to TP4 (Q101, Emitter). No signal input.	Ch. 19	VR1	RF AGC Adjust for 2.0 volts ±.1 volt.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 1000uV.	Ch. 19 Squelch Maximum	VR4	SQUELCH RANGE Adjust so squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19	VR7	RX METER Adjust for 9 on RX scale of meter.

TRANSMITTER ADJUSTMENTS

Connect a 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after adjustment of
transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of oscilloscope or modulation meter to antenna input. Inject a 1000Hz, 15mV signal at MIC input.	Ch. 19, XMT	VR8	AMC Adjust for 95% modulation maximum. (See Figure 3.)
Input of RF wattmeter to antenna input.	Ch. 19, XMT	VR6	TX METER Adjust so the TX meter reads between the black and red areas on the TX scale of meter.

TRANSMITTER ALIGNMENT

Connect a 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 4 for channel frequencies.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of RF wattmeter to antenna input.	Ch. 19, XMT	T804, T805, T806, T807, L901, L903, L905	Adjust for maximum.
Input of RF wattmeter to antenna input.	Ch. 19, XMT	L903	Adjust for 4 watts maximum.
Input of spectrum analyzer or harmonic meter to antenna input.	Ch. 19, XMT	F901	Adjust for MINIMUM at 54MHz.

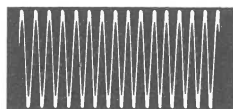


FIGURE 1



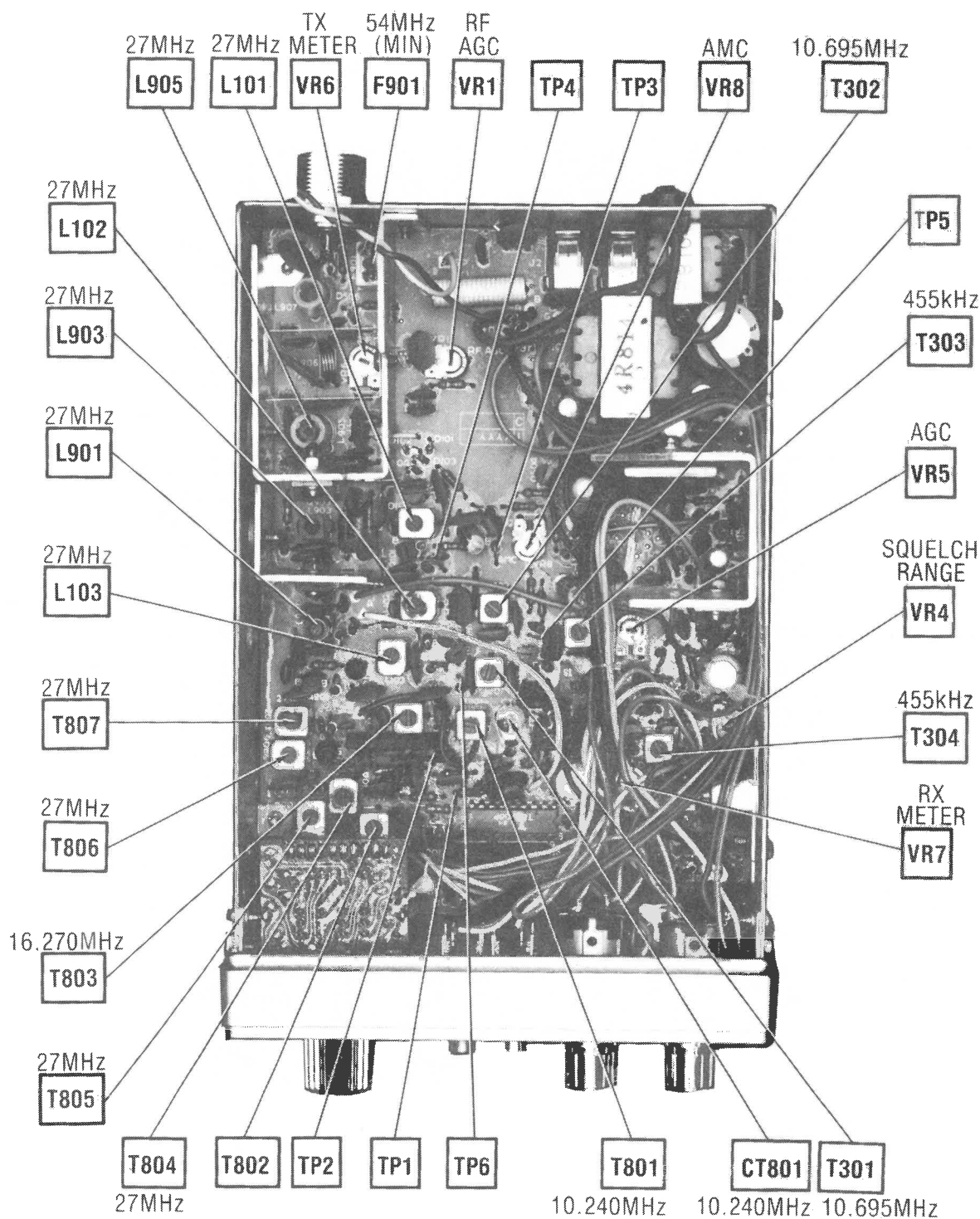
FIGURE 2



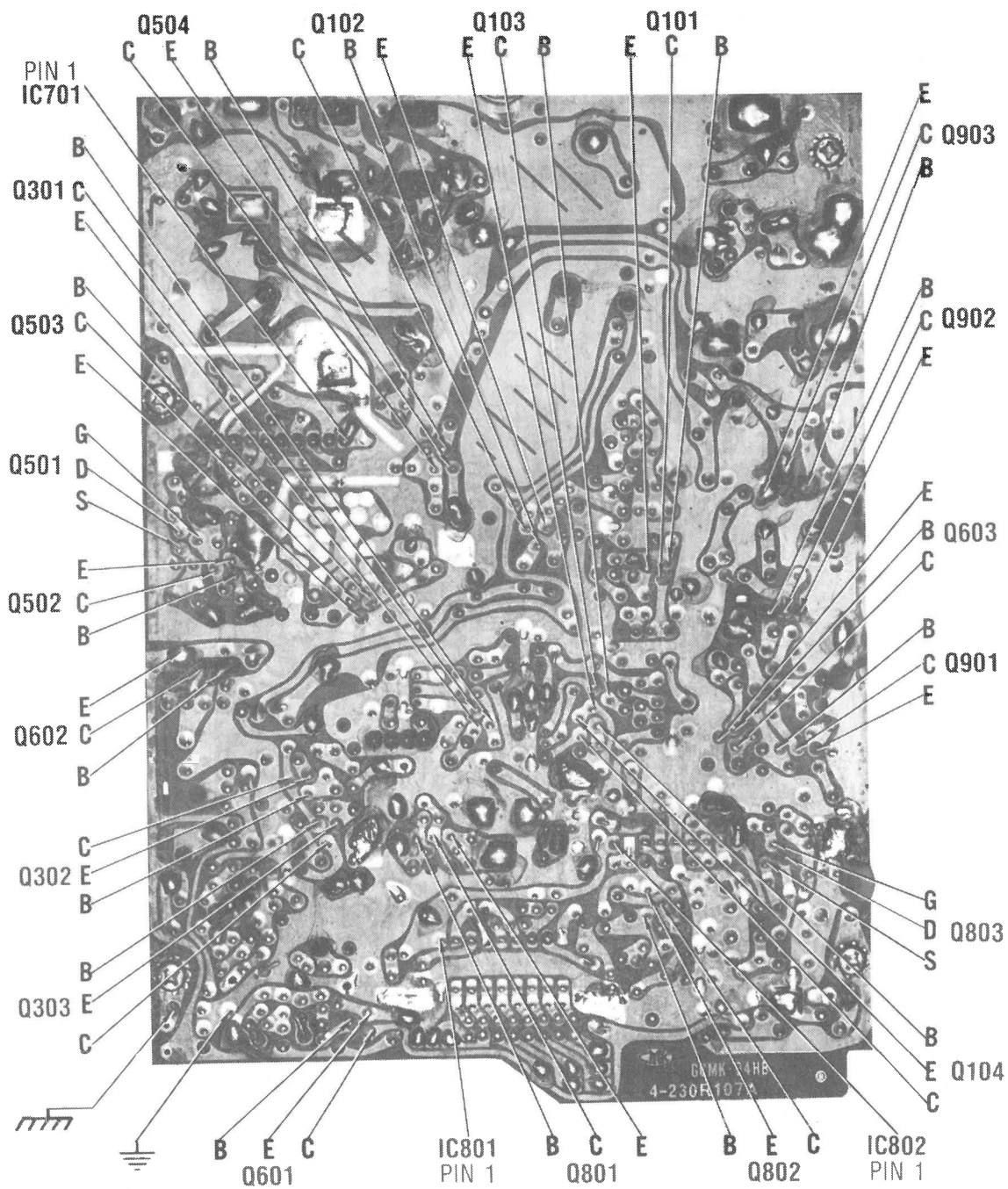
FIGURE 3

TRUTH CHART

C H A N N E L	1 = 7.43 Volts 0 = .42 Volts IC801 PROGRAM DIVIDER								REC VCO OUTPUT IN MHz AT TP2	XMT VCO OUTPUT IN MHz AT TP2	
	PINS										
	17	16	15	14	13	12	11	10			
1	1	1	1	1	1	1	1	1	16.270	16.725	
2	1	1	1	0	0	0	0	1	16.280	16.735	
3	1	1	1	0	1	0	0	1	16.290	16.745	
4	1	1	1	1	1	0	1	0	16.310	16.765	
5	1	1	1	0	1	0	0	0	16.320	16.775	
6	1	1	1	0	0	0	1	0	16.330	16.785	
7	1	1	1	1	1	1	0	1	16.340	16.795	
8	1	1	1	0	0	0	0	0	16.360	16.815	
9	1	1	1	1	1	0	0	0	16.370	16.825	
10	1	1	0	0	0	1	0	0	16.380	16.835	
11	1	1	0	1	1	1	1	1	16.390	16.845	
12	1	1	0	0	0	0	0	1	16.410	16.865	
13	1	1	0	0	1	0	0	1	16.420	16.875	
14	1	1	0	1	1	0	1	0	16.430	16.885	
15	1	1	0	0	1	0	0	0	16.440	16.895	
16	1	1	0	0	0	0	1	0	16.460	16.915	
17	1	1	0	1	1	1	0	1	16.470	16.925	
18	1	1	0	0	0	0	0	0	16.480	16.935	
19	1	1	0	1	1	0	0	0	16.490	16.945	
20	1	0	1	0	0	1	0	0	16.510	16.965	
21	1	0	1	1	1	1	1	1	16.520	16.975	
22	1	0	1	0	0	0	0	1	16.530	16.985	
23	1	0	1	0	1	0	0	1	16.560	17.015	
24	1	0	1	1	1	0	1	0	16.540	16.995	
25	1	0	1	0	1	0	0	0	16.550	17.005	
26	1	0	1	0	0	0	1	0	16.570	17.025	
27	1	0	1	1	1	1	0	1	16.580	17.035	
28	1	0	1	0	0	0	0	0	16.590	17.045	
29	1	0	1	1	1	0	0	0	16.600	17.055	
30	1	0	0	0	0	1	0	0	16.610	17.065	
31	1	0	0	1	1	1	1	1	16.620	17.075	
32	1	0	0	0	0	0	0	1	16.630	17.085	
33	1	0	0	0	1	0	0	1	16.640	17.095	
34	1	0	0	1	1	0	1	0	16.650	17.105	
35	1	0	0	0	1	0	0	0	16.660	17.115	
36	1	0	0	0	0	0	1	0	16.670	17.125	
37	1	0	0	1	1	1	0	1	16.680	17.135	
38	1	0	0	0	0	0	0	0	16.690	17.145	
39	1	0	0	1	1	0	0	0	16.700	17.155	
40	0	1	0	0	0	1	0	0	16.710	17.165	



CHASSIS-BOTTOM

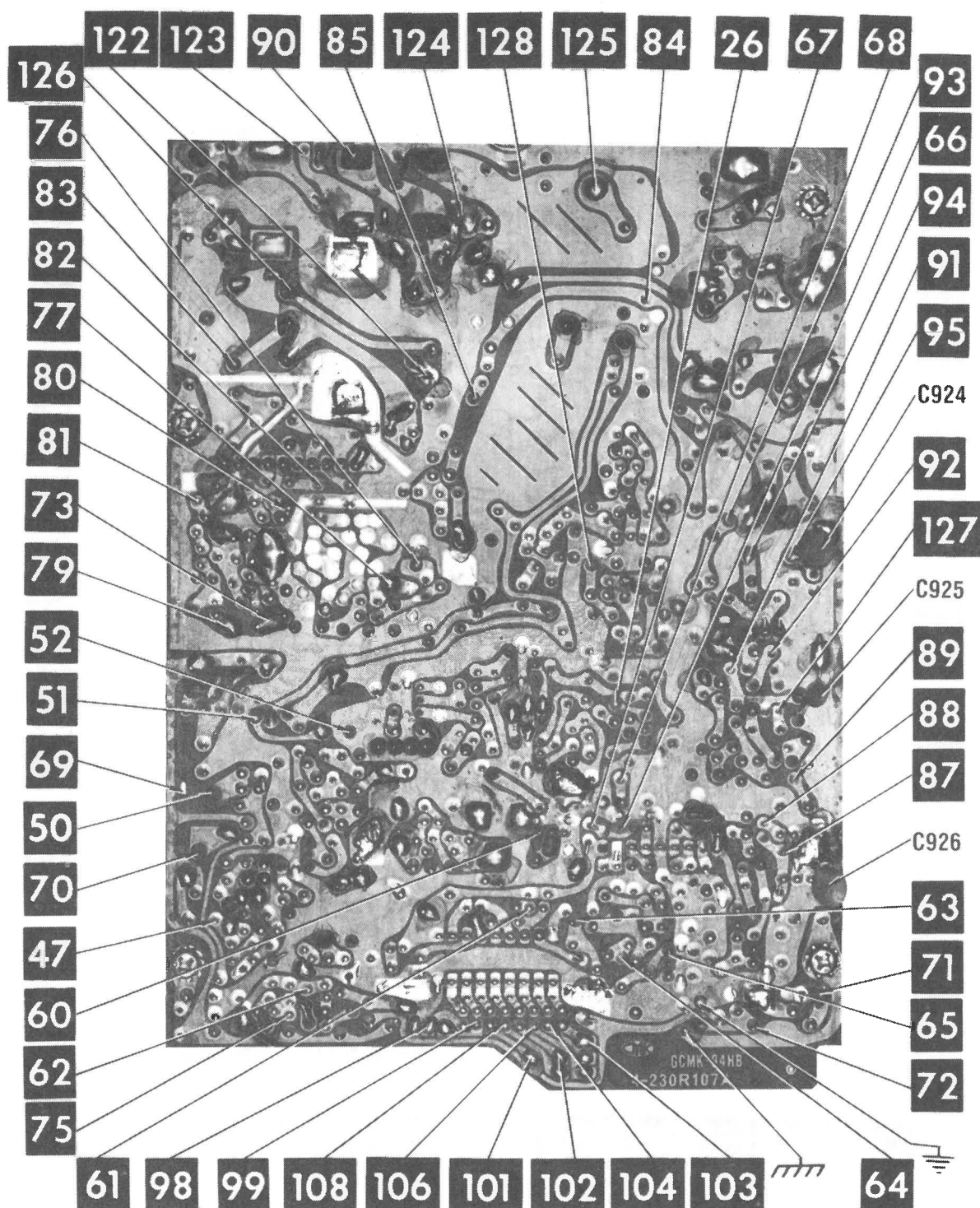


MAIN BOARD

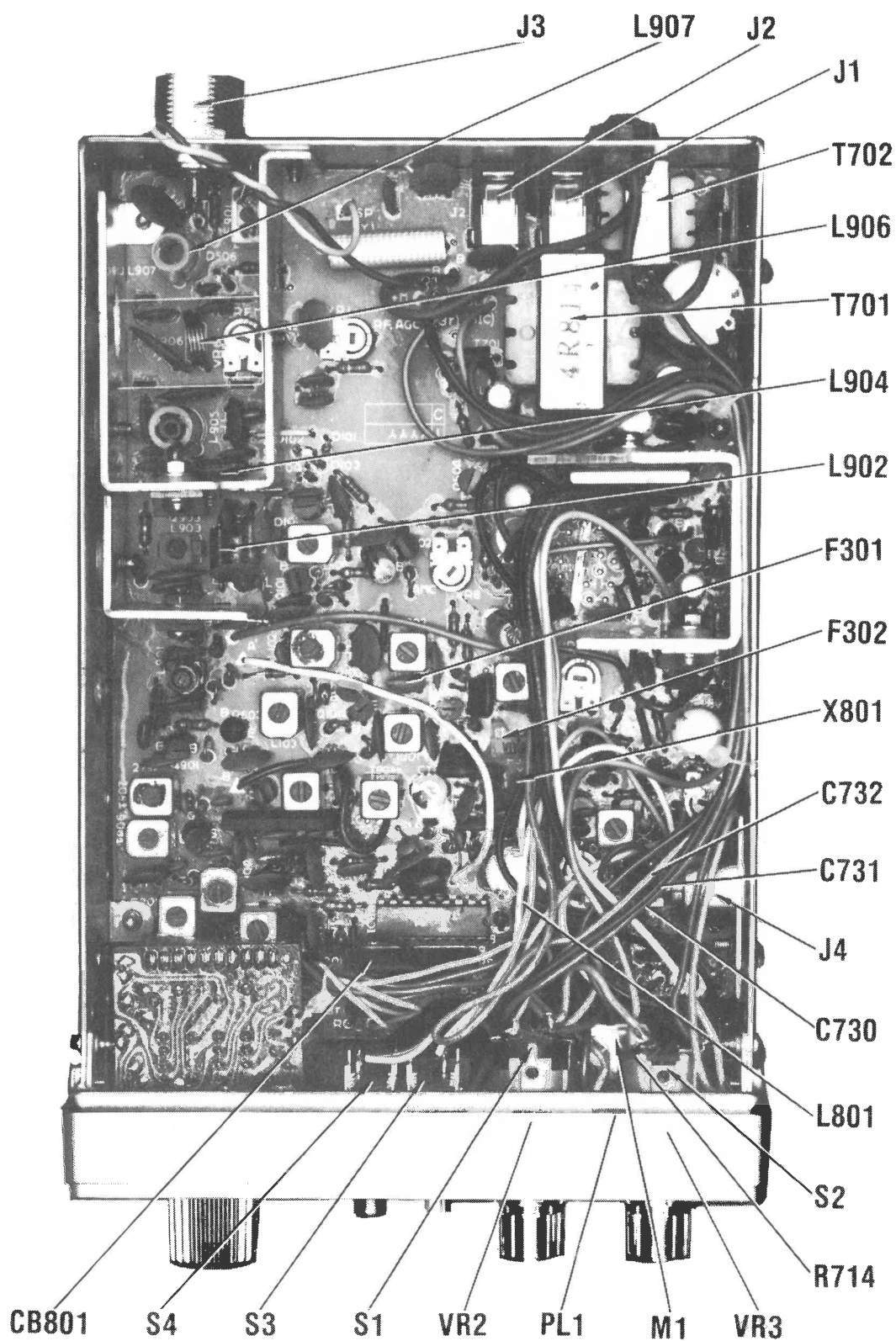


TEABERRY MODEL STALKER III

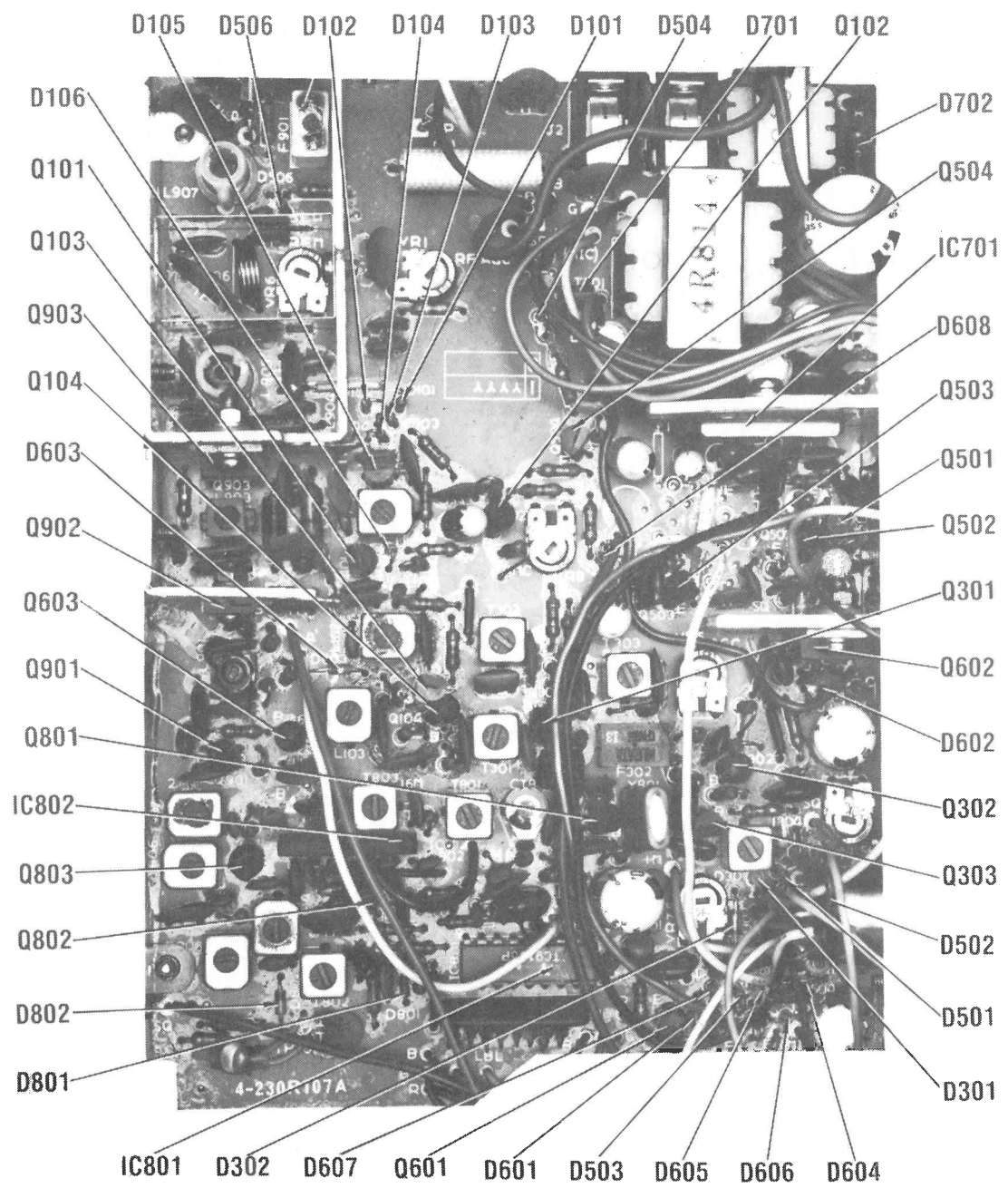
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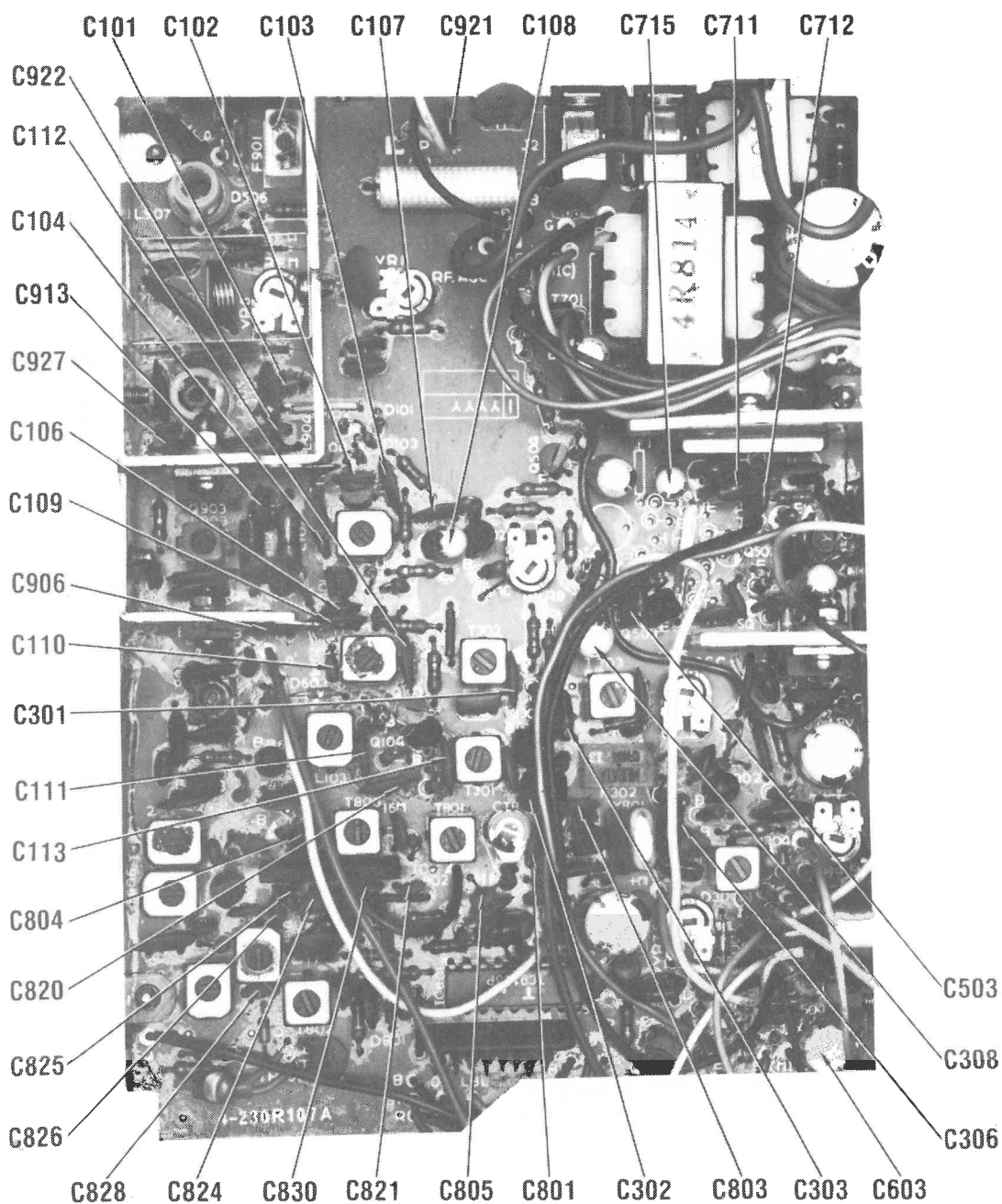
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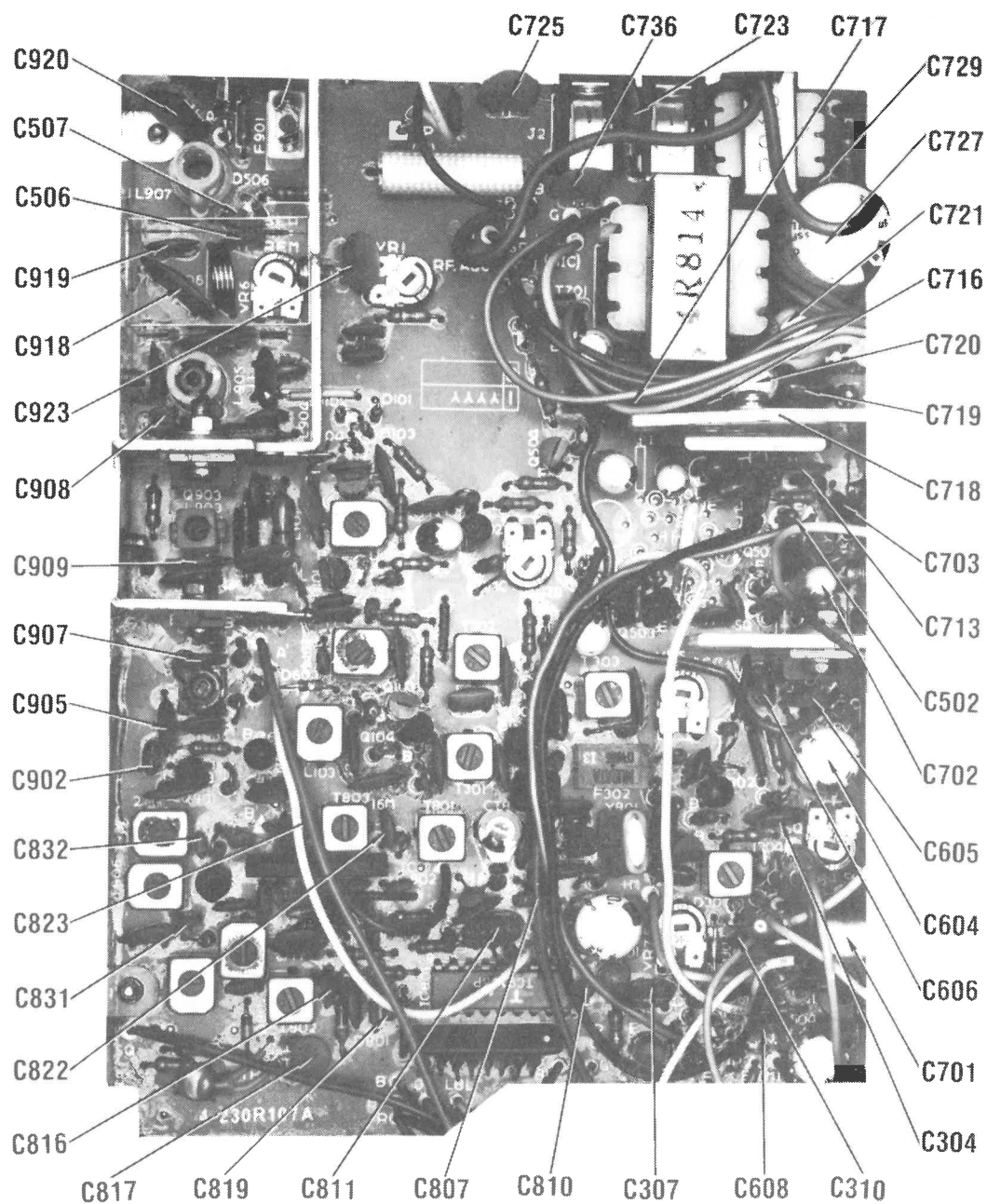
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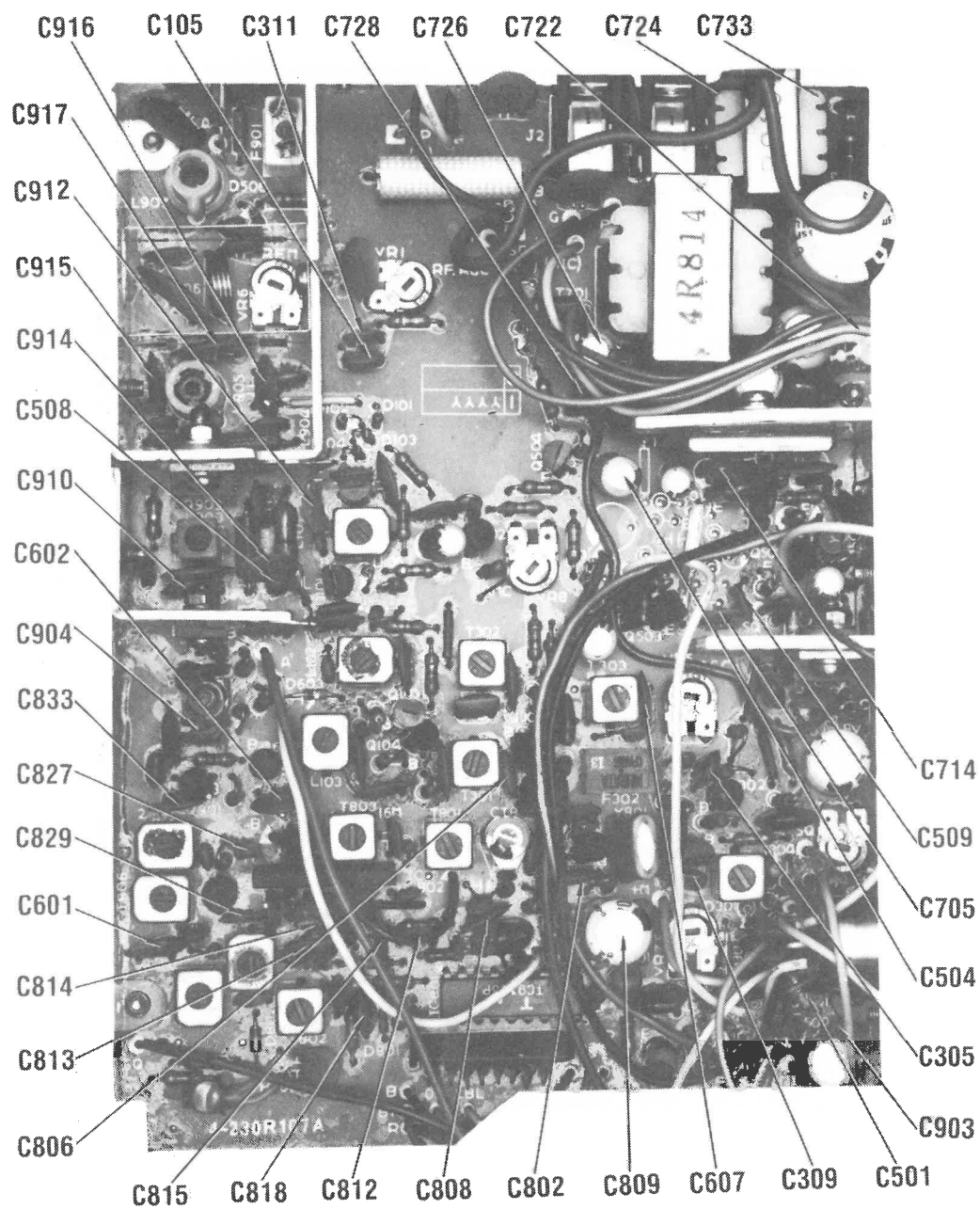
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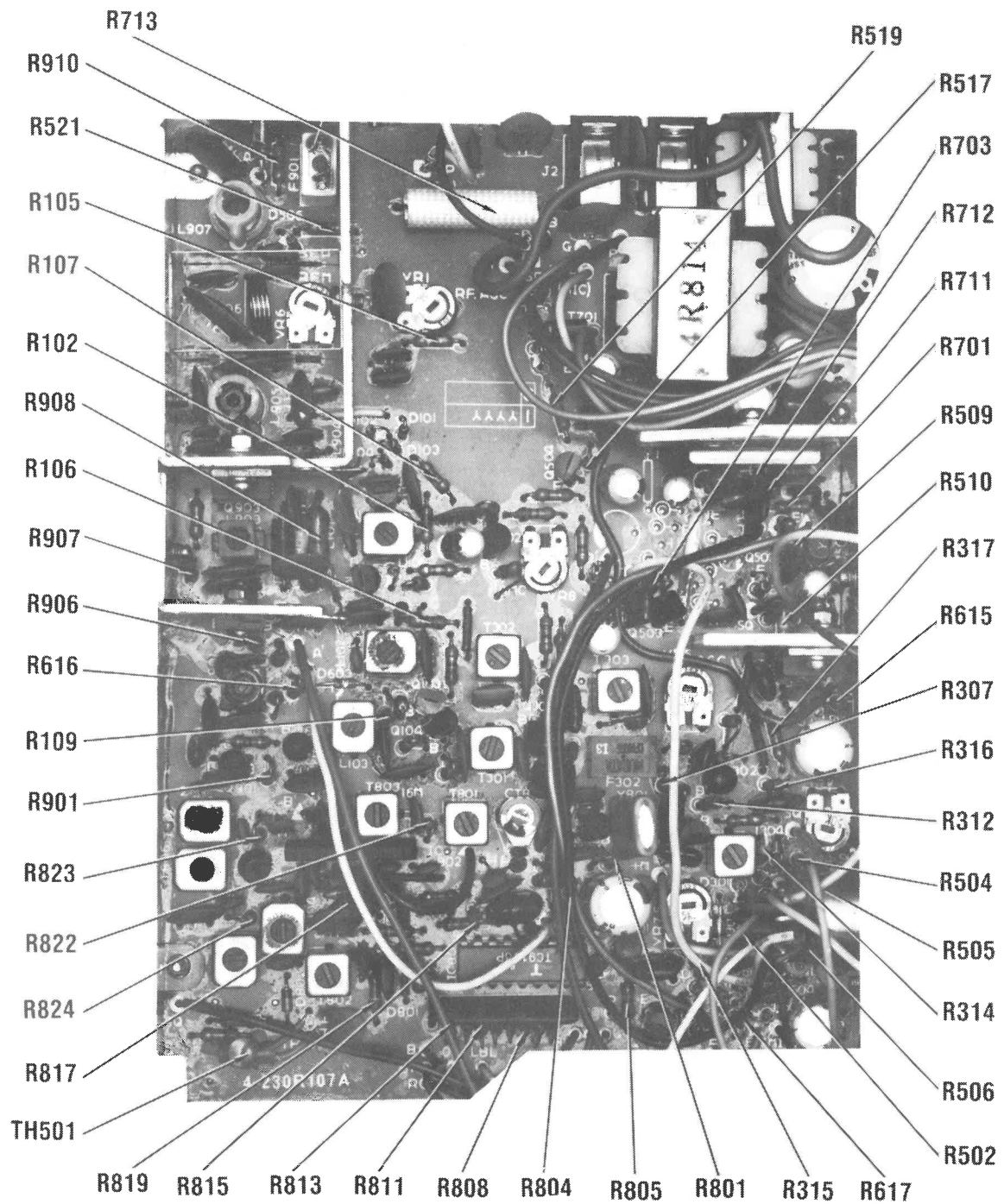
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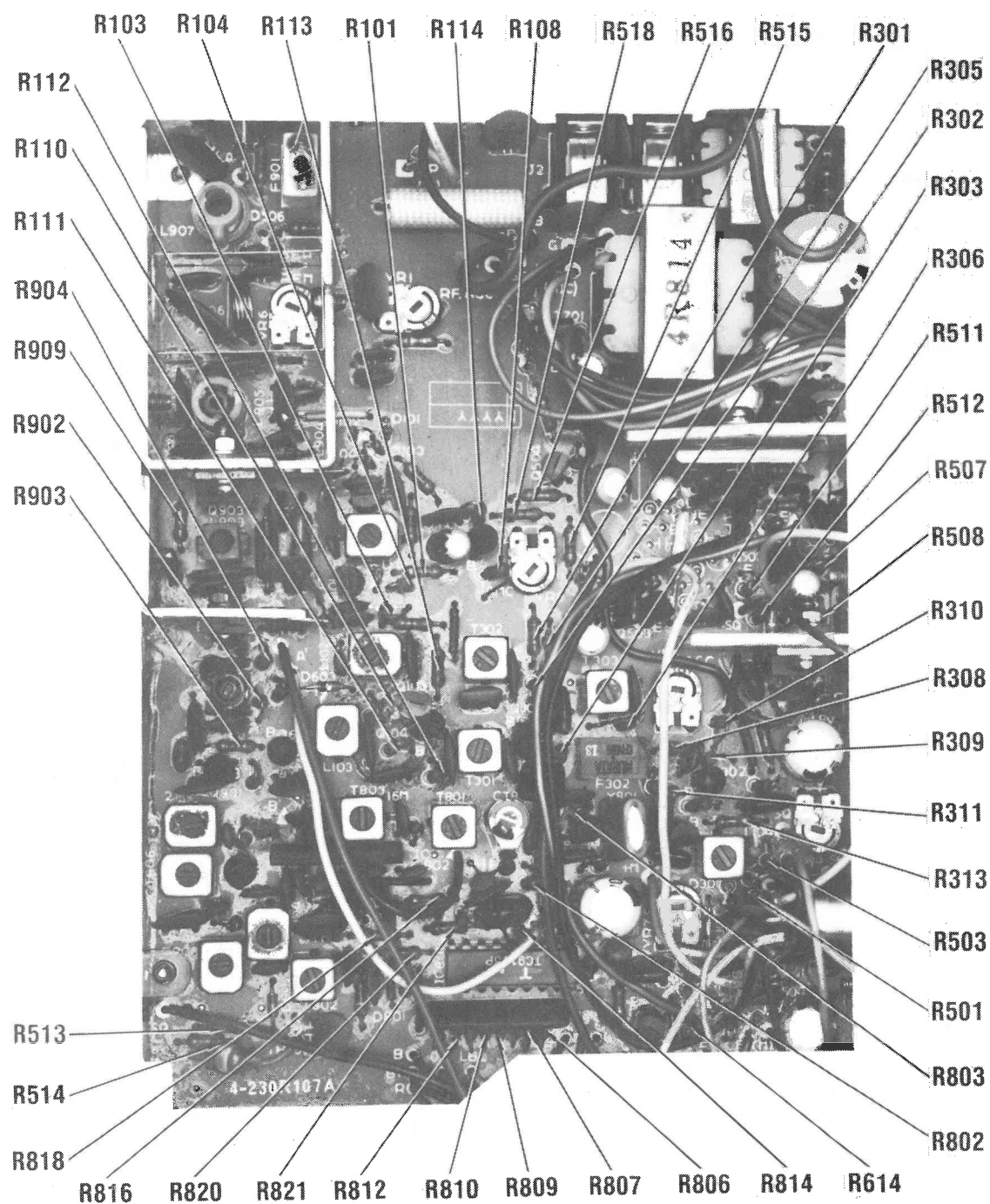
MAIN BOARD



MAIN BOARD



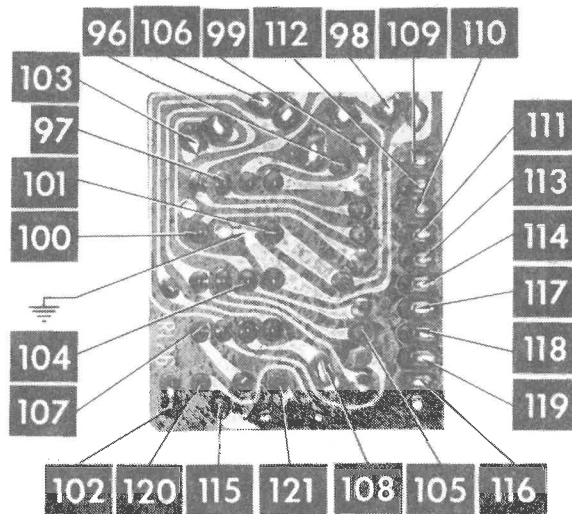
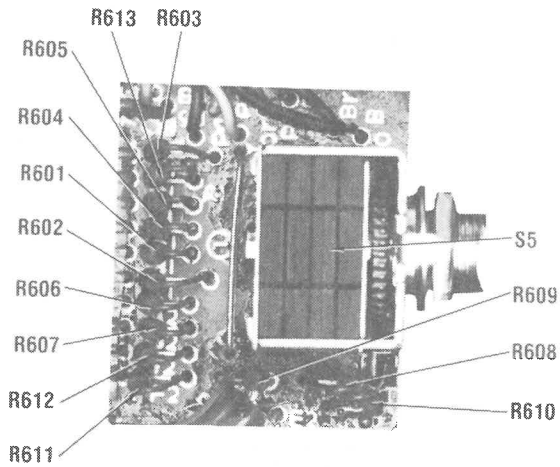
MAIN BOARD



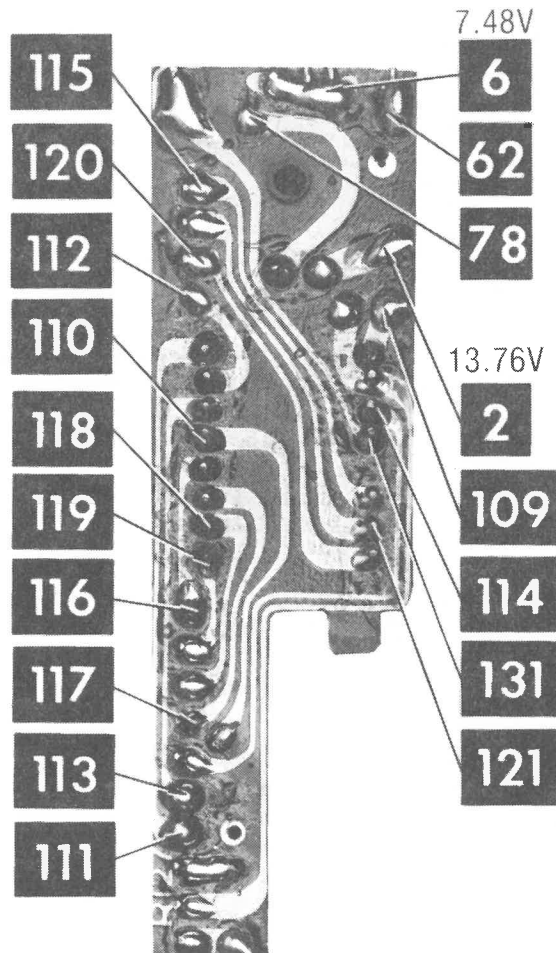
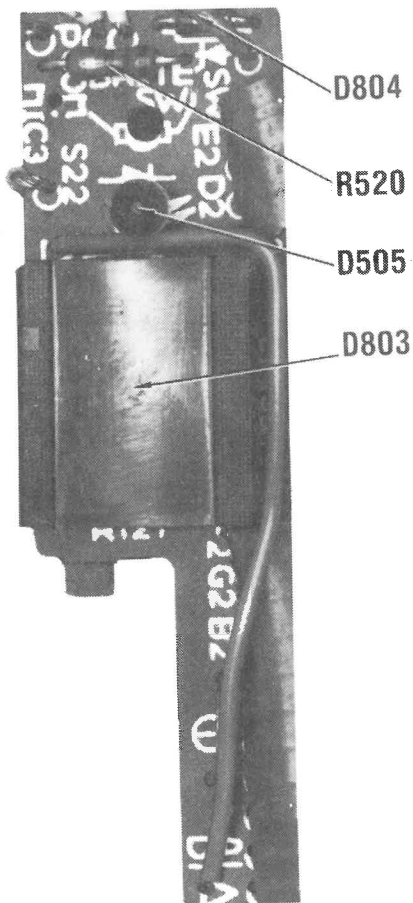
MAIN BOARD



SHIELD LOCATION

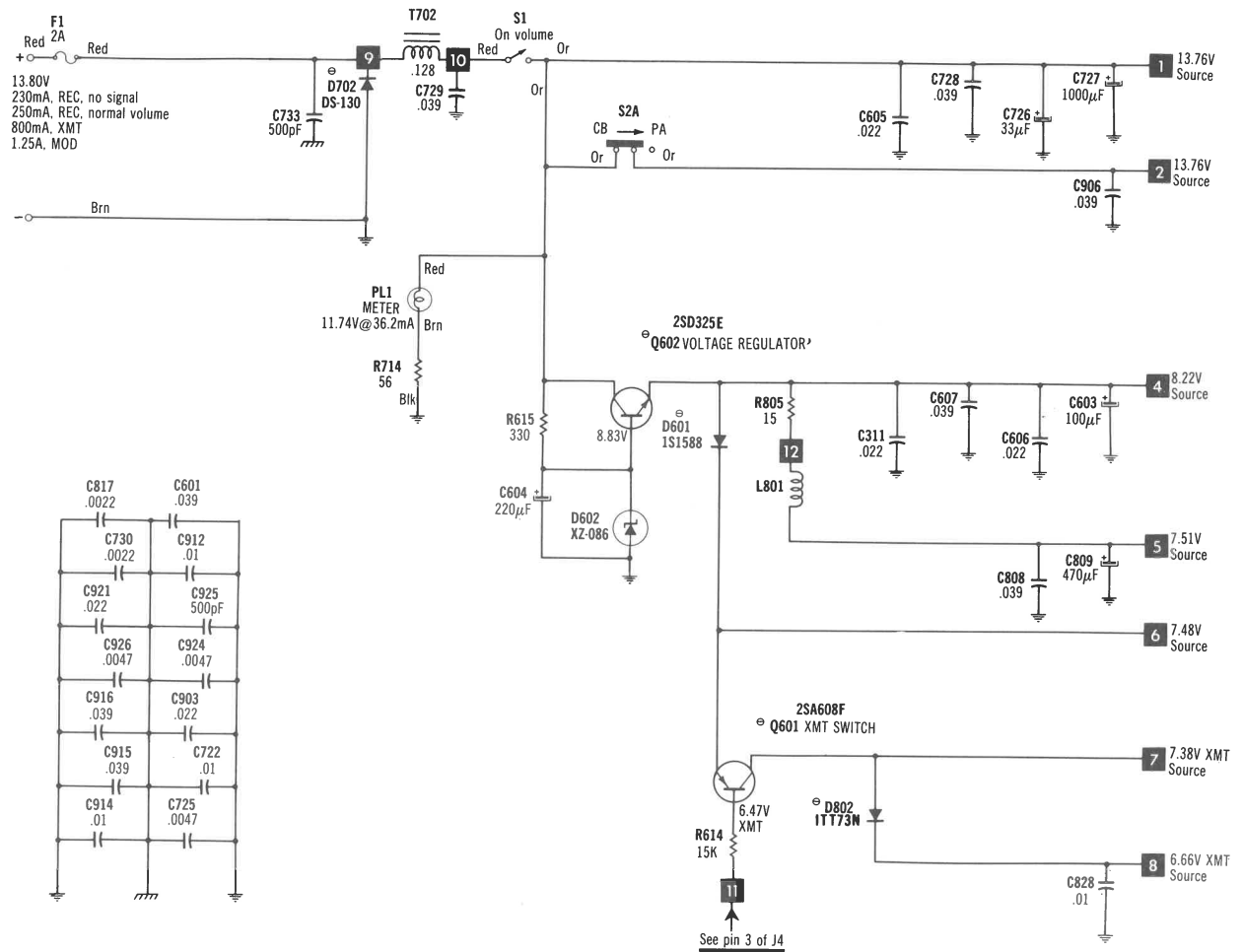


CHANNEL SELECTOR BOARD



CHANNEL DISPLAY BOARD

TEABERRY MODEL STALKER III

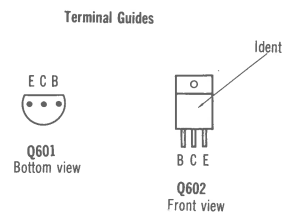


- X— Circuitry not used in some versions.
 - Circuitry used in some versions.
 - ⊗ Nominal value ∇ Common tie point
 - ⊥ Ground
 - ⏏ Chassis
 - ⊙ See parts list
- Waveforms and Voltages taken in Channel 19 with switching in receive unless noted.
Item numbers in rectangles appear in the alignment/adjustment instructions.
Supply voltage maintained as shown at input.
Voltages measured with digital meter, no signal.
Controls adjusted for normal operation.
Terminal identification may not be found on unit.
Resistors are 1/2W or less, 5% unless noted.
Value in () used in some versions.
Arrow head(s) at coils and transformers indicates accessibility of tuning slug(s).

A PHOTOFACIT STANDARD NOTATION SCHEMATIC

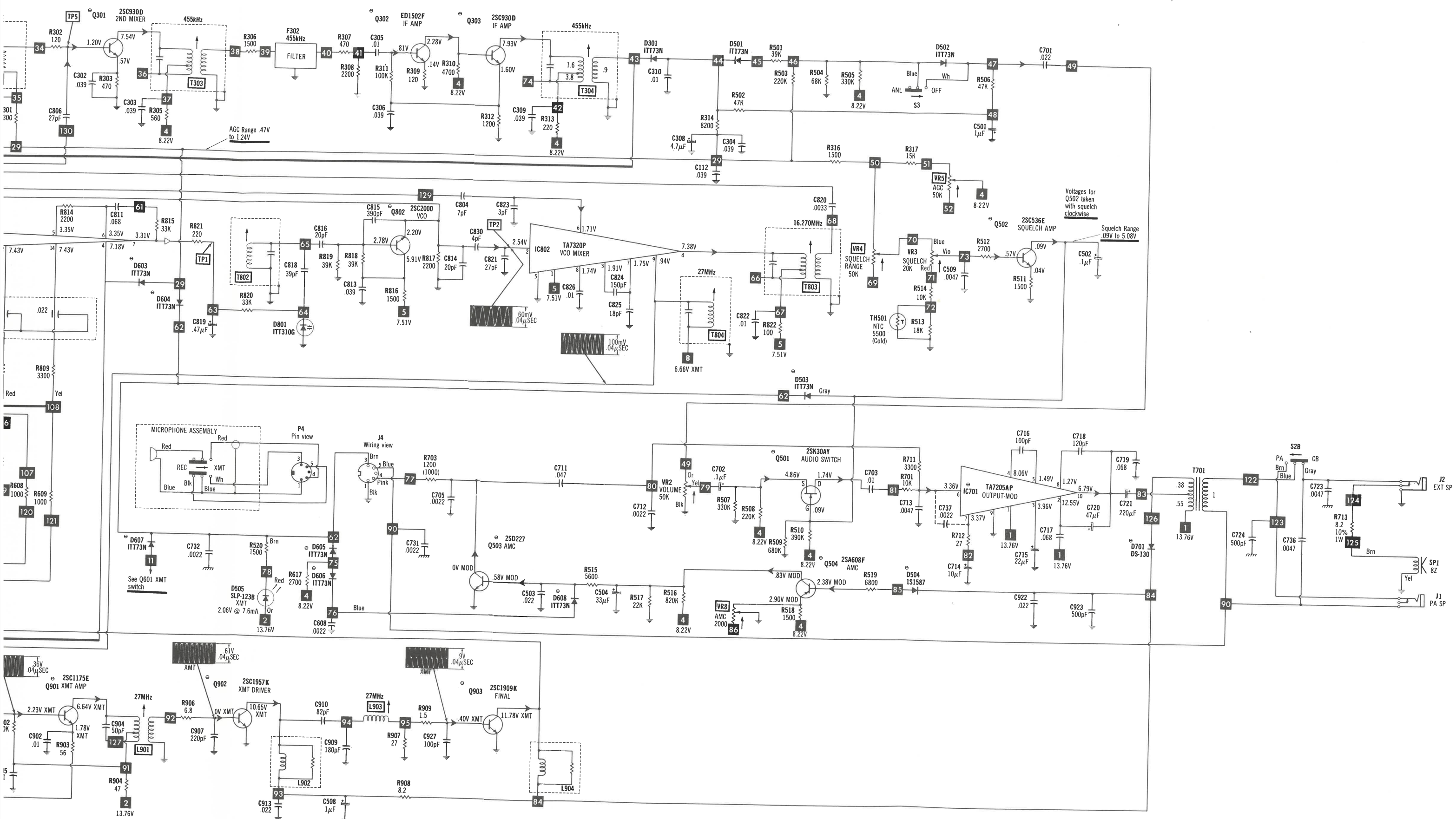
WITH CIRCUITRACE®

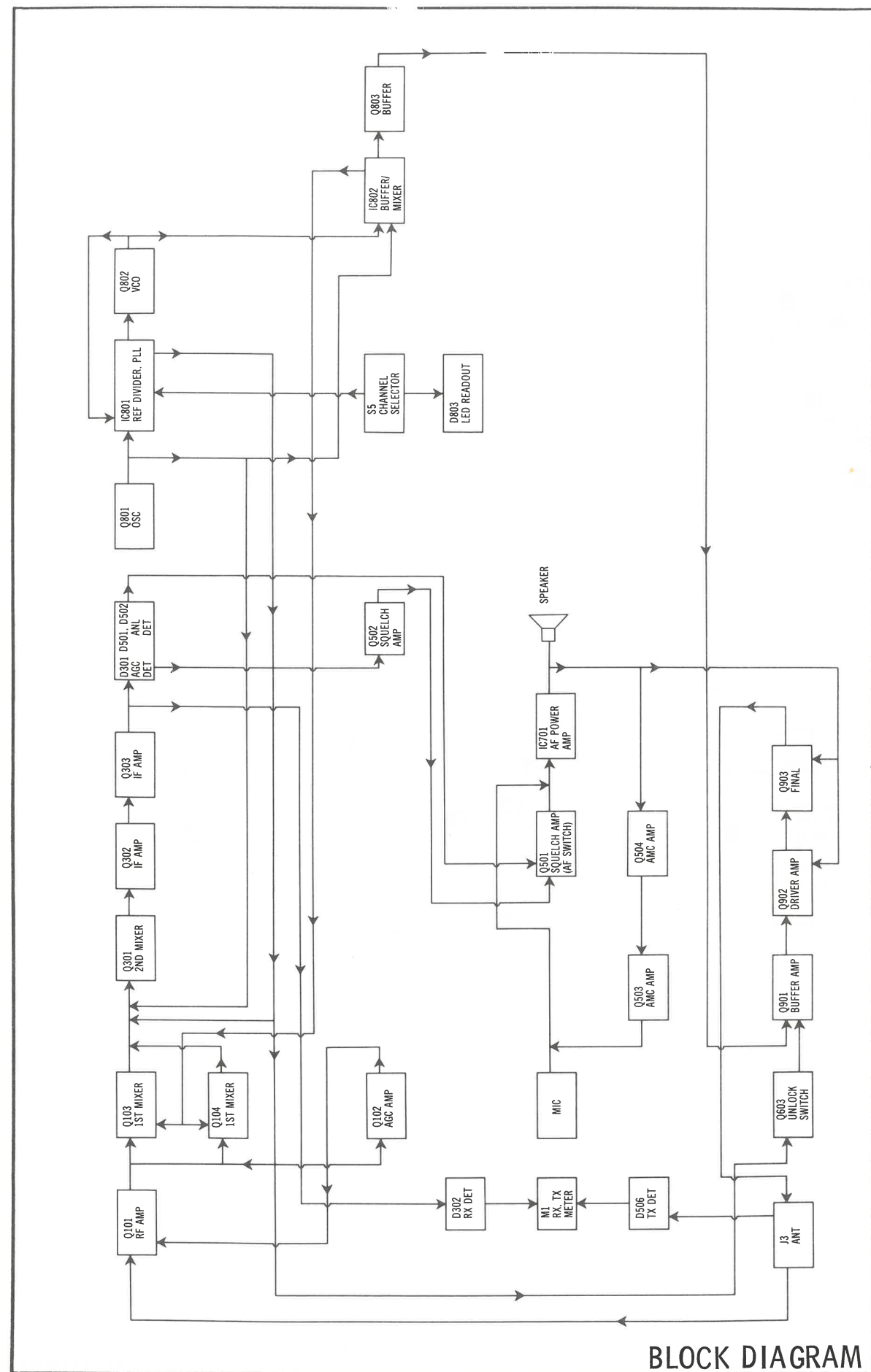
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POWER SUPPLY SCHEMATIC TEABERRY MODEL STALKER III

MAIN SCHEMATIC





PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS (Select replacement transistor for best results)

			REPLACEMENT DATA							
ITEM No.	TYPE No.	MFRG. PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	RAYTHEON PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
D101	1S1588	E1007	GE-514.	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	ITT73N		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
D102	1S1588	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	ITT73N		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
D103	1S1588	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	ITT73N		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
D104	1S1588	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	ITT73N		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
D105	1SV77	D1628 E1007		PTC311			ECG611	TM611		103-146
D106	ITT73N		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
1SS53	GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131		
D301	ITT73N	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
D302	1S188 1N60	C1050	1N34AS 1N60	PTC207 PTC206	REN 109 REN 109	SK3087 SK3088	ECG109 ECG109	TM109/** TM109/**	WEP134/109 WEP134/109	103-Z9001 103-Z9001
D501	ITT73N	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
D502	ITT73N	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
D503	ITT73N	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
D504	1S1587	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	ITT73N		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
D506	ITT73N	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
D601	1S1588	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	ITT73N		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
D602	RD8.6EB XZ-086	D1577	GEZD-8.7 GEZD-8.7		REN 5073 REN 5073	SK3749/5073A SK3749/5073A	ECG5073A ECG5073A	TM5073 TM5073	WEP1155/5073 WEP1155/5073	
D603	ITT73N	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
D604	ITT73N	E1007	GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	ITT73C		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1588		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1587		GE-514	PTC214	REN 177	SK3100/519	ECG519	TM519	WEP925/519	103-131
	1S1555		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131
	1SS53		GE-300	PTC214	REN 177	SK3175/177	ECG177	TM177	WEP1062/177	103-131

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Num

SEMICONDUCTORS (Select rep

ITEM No.	TYPE No.	MFR. PART No.	GENERAL ELECTRIC
			PART No.
D605	ITT73N	E1007	GE-514
	ITT73C		GE-514
	1S1588		GE-514
	1S1587		GE-514
	1S1555		GE-300
D606	1S553	E1007	GE-300
	ITT73N		GE-514
	ITT73C		GE-514
	1S1588		GE-514
	1S1587		GE-514
D607	1S1555	E1007	GE-300
	1S553		GE-300
	ITT73N		GE-514
	ITT73C		GE-514
	1S1588		GE-514
D608	1S1587	E1007	GE-514
	1S1555		GE-514
	1S553		GE-300
	ITT73N		GE-300
	ITT73C		GE-300
D701	DS130	E1017	GE-504A
F14A	GE-504A		
D702	100-1	E1017	GE-504A
	DS130		GE-504A
D801	F14A	D1629	GE-504A
	1001		GE-504A
	ITT310G		GE-90
	SVC201		GE-90
	SVC101		GE-90
D802	1S1588	E1007	GE-514
	1S1587		GE-514
	1S1555		GE-300
	1S553		GE-300
	ITT73N		GE-514
D804	ITT73C		GE-514
IC701	XZ040	B1256	GEZD-3.5
	TA7205AP		GE1C-175
IC801	TA7205P	D1626	
	TC9106P		
IC802	TA7320P	D1627	
Q101	25C1393K	B1053	GE-62*
	25C1393		GE-62*
	25C930		GE-60*
	25C1674		GE-61*
	25C1730		GE-17*
Q102	25C536E	B1029	GE-212
	25C536		GE-212
	BC408		GE-20
	25C945		GE-212
	25C372		GE-61*
	25C828		GE-61*
	25C1815		GE-62
	JE9014		GE-62*
ED1402		GE-20	
Q103	25C930D	B1053	GE-60*
	25C930		GE-60*
	25C2000		GE-20
	25C1695		GE-61*
	25C1674		GE-61*
	25C1675		GE-213
	25C829		GE-20*
ED1502	GE-61*		
Q104	25C930D	B1068	GE-60*
	25C930		GE-60*
	25C1695		GE-61*
	25C1674		GE-61*
	25C1675		GE-213
	25C829		GE-20*
	25C2000		GE-20*
ED1502	GE-61*		
Q301	25C930D	B1068	GE-60*
	25C930		GE-60*
	25C1695		GE-61*
	25C1674		GE-61*
	25C1675		GE-213
	25C829		GE-20*
	25C2000		GE-20*
ED1502	GE-61		

(When ordering parts, state Model, Part Number, and Description.)

TEABERRY MODEL STALKER III

(When ordering parts, state Model, Part Number, and Description.)

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS (Select replacement transistor for best results) (cont)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	MALLORY PART No.	RAYTHEON PART No.	RCA PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
Q903	2SC1909	B1071	GE-215	PTC186	REN 235	SK3197/235	ECG235	TM235	WEP785/235	121-29039
	2SC2078		GE-215	PTC186	REN 235	SK3197/235	ECG235	TM235	WEP785/235	121-29039
	2SC2166		GE-215	PTC186	REN 235	SK3197/235	ECG235	TM235	WEP785/235	121-29039

* Lead configuration may vary from original.
/** Also available as exact type replacement.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C108	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C308	4.7 25V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C501	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C502	.1 50V			TDC104M050EL	QDT1-2	SD50-R109
C504	.1 50V		PC30-25	VTT33025	QV1-63	EV-1325
C508	33 16V		PC1-50	VTT1A50	QV1-11	EV-1615
C603	1 50V		PC100-10	VTT100D10	QV1-93	EV-1131
C604	100 10V		PC250-10	VTT220F10	QV1-115	EV-1140
C702	220 10V			VTT220F10	QDT1-2	SD50-R109
C710	.1 50V			TDC104M050EL	QDT1-2	SD50-R109
C714	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C715	4.7 25V		PC5-50	VTT4R7B50	QV1-31	EV-1619.1
C720	22 10V		PC25-25	VTT22B16	QV1-55	EV-1224
C721	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C726	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C727	33 16V		PC30-25	VTT33025	QV1-63	EV-1325
C809	1000 16V		PC1000-16	VTT1000M16	QV1-183	EV-1261
C810	470 10V		PC500-16	VTT470K16	QV1-151	EV-1251
C819	.1 50V			TDC104M050EL	QDT1-2	SD50-R109
	.47 35V			TDC474M050EL	QDT1-19	SD50-R479

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C101	27 N220 50V			*		10TCR-Q27
C102	.01 25V			MAG2511	QC1-139	HY-520
C103	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C104	15 N220 50V			*		10TCR-Q15
C105	.022 25V		DPMS2S22	M192P2239R8	QFT2-127	1FT-S22
C106	.022 25V		DPMS2S22	M192P2239R8	QFT2-127	1FT-S22
C107	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C109	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C110	2 50V		WMFO5W2	EWFO520		431P2059R5
C111	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C112	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C113	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C301	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C302	.039 50V			M192P3939R8		192P3939R8
C303	.039 50V			M192P3939R8		192P3939R8
C304	.039 50V			M192P3939R8		192P3939R8
C305	.01 50V		WMF1S1	EWFA110	QF1-91	1PB-S10
C306	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C307	.039 50V			M192P3939R8		192P3939R8
C309	.039 50V			M192P3939R8		192P3939R8
C310	.01 50V		WMF1S1	EWFA110	QF1-91	1PB-S10
C311	.022 25V				QC1-173	HY-725
C503	.022 50V			M192P2239R8		192P2239R8
C506	.022 50V				QC1-173	HY-725
C507	5 50V		NP04P7	CN0547		10TCC-V47
C509	.0047 25V		WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C601	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C602	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C605	.022 25V				QC1-173	HY-725
C606	.022 50V			M192P2239R8		192P2239R8
C607	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C608	.0022 50V			M192P2239R8		192P2239R8
C701	.022 50V			M192P2239R8		192P2239R8
C703	.01 50V			M192P3339R8		192P3339R8
C705	.0022 50V		DPMS6022	M192P2229R8	QFT2-27	1FT-S22
C711	.047 50V		DPMS2S47	M192P4739R8	QFT2-171	1FT-S47
C712	.0022 50V		DPMS6S22	M192P2229R8	QFT2-171	1FT-S22
C713	.0047 25V		WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C716	100 50V		NP0100	CN0310		10TCC-T10
C717	.068 50V		WMF1S68	EWFA1A168	QF1-195	1PB-S68
C718	120 50V			CN0312		10TCC-T12
C719	.068 50V		WMF1S68	EWFA1A168	QF1-195	1PB-S68
C722	.01 25V			MAG2511	QC1-139	HY-520
C723	.0047 50V			M192P4729R8		192P4729R8
C724	500 50V		GP500	GP350	QCT2-36	10TS-T50
C725	.0047 25V			M192P4729R8		192P4729R8
C728	.039 50V			M192P3939R8		192P3939R8
C729	.039 25V			M192P3939R8		192P3939R8
C730	.0022 50V			M192P2229R8		192P2229R8
C731	.0022 50V			M192P2229R8		192P2229R8
C732	.0022 50V			M192P2229R8		192P2229R8
C733	500 50V		GP500	GP350	QCT2-36	10TS-T50
C734	.0047 25V			M192P4729R8		192P4729R8
C735	.0047 25V			M192P4729R8		192P4729R8
C736	.0047 25V			M192P4729R8		192P4729R8

TEABERRY MODEL STALKER III

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CAPACITORS (cont)

ITEM No.	RATING	MFG. PART No.	REPLACEMENT DATA			
			CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C801	70 H220 5%		GP390	GP339	QCT2-34	10TS-T39
C802	390 50V				QC1-173	HY-725
C803	.022 25V					10TCC-V68
C804	7 50V		NP06P8	CN0568		10TCC-V47
C805	5 50V		NP04P7	CN0547		10TCC-Q27
C806	27 50V			CN0427		10TCC-Q22
C807	22 50V		NP022	CN0422		10TCC-Q27
	27 50V			CN0427		10TCC-Q27
C808	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C811	.068 50V		WMF1S68	EWFA1A168	QF1-195	1PB-S68
C812	35 50V		NP033	CN0433	QCC2-22	10TCC-Q33
C813	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C814	20 H220 50V			*		10TCR-Q20
C815	390 5% 50V					
C816	20 H220 50V			*		10TCR-Q20
C817	.0022 50V			M192P2229R8		192P2229R8
C818	39 50V			CN0439		10TCC-Q39
C820	.0033 50V			M192P3329R8		192P3329R8
C821	47 5%		NP047	CN0447	QCC2-26	10TCC-Q47
	27 50V			CN0427		10TCC-Q27
C822	.01 25V			MAG2511	QC1-139	HY-520
C823	3 50V		NP03P3	CN0533		10TCC-V33
C824	150 5% 50V			CN0315		10TCC-T15
C825	18 50V			CN0418		10TCC-Q18
C826	.01 25V			MAG2511	QC1-139	HY-520
C827	39 50V			CN0439		10TCC-Q39
C828	.01 25V			MAG2511	QC1-139	HY-520
C289	.0022 50V			M192P2229R8		192P2229R8
C830	4 50V					
C831	5 50V		NP04P7	CN0547		10TCC-V47
C832	3 50V		NP03P3	CN0533		10TCC-V33
C833	500 5% 50V		GP500	GP350	QCT2-36	10TS-T50
C902	.01 50V		WMF1S1	EWFA1A110	QF1-91	1PB-S10
C903	.022 25V				QC1-173	HY-725
C904	50 50V		NP050	CN0450		10TCC-Q50
C905	.01 50V		WMF1S1	EWFA1A110	QF1-91	1PB-S10
C906	.039 25V					
C907	220 5% 50V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C908	27 50V			CN0427		10TCC-Q27
C909	180 50V					10TCC-T18
C910	82 50V		NP082	CN0482		10TCC-Q82
C912	.01 25V			MAG2511	QC1-139	HY-520
C913	.022 25V				QC1-173	HY-725
C914	.01 25V			MAG2511	QC1-139	HY-520
C915	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C916	.039 25V		DPMS6S39	M192P3939R8	QFT2-159	1FT-S39
C917	220 5% 50V					10TCC-T22
C918	390 H220 5%			*		10TCC-T27
C919	270 5% 50V					10TCR-T15
C920	150 H220 5%					HY-725
C921	.022 25V				QC1-173	HY-725
C922	.022 25V				QC1-173	HY-725
C923	500 5% 50V		GP500	GP350	QCT2-36	10TS-T50
C924	.0047 25V		WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C925	500 5%		GP500	GP350	QCT2-36	10TS-T50
C926	.0047 25V		WMF1D47	M192P4729R8	QFT2-63	1FT-D47
C927	100 5% 50V		NP0100	CN0310		10TCC-T10
CB801	.022					
CT801	Trimmer	(1)				

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

(1) Consists of eight .022MFD feedthru capacitors.

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA		
			MFG. PART No.	MALLORY PART No.	TRW PART No.
VR1	RF AGC	5000	4-222R-79574	RVA0911H502	X260R5028
VR2	Volume/Power Switch	50K	4-222R-57900		
VR3	Squelch/PA Switch	20K	4-222R-58600		
VR4	Squelch Range	50K		RVA0911H503	U260R5038
VR5	AGC	50K		RVA0911H503	U260R5038
VR6	TX Meter	50K		RVA0911H503	U260R5038
VR7	RX Meter	5000	4-222R-79574	RVA0911H502	U260R5028
VR8	AMC	2000	4-222R-79573	RVA0911H252	U260R2528

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		MFG. PART No.	WORKMAN PART No.			MFG. PART No.	WORKMAN PART No.
TH501	5500 Cold NTC						

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
F901	TVI Trap (54MHz)	D1632			
L101	Rec Antenna (27MHz)	D1633			
L102	RF Amp	D1634	R92487		
L103	RF Amp	D1635			
L801	RF Choke	D1642			
L901	XMT Amp (27MHz)	H1050			
L902	RF Choke	D1636			
L903	XMT Drive (27MHz)	D1637			
L904	RF Choke	D1638			
L905	Final Loading (27MHz)	D1639			
L906	RF Choke	D1640			
L907	RF Choke	D1641			
T301	1st Mixer (10.695MHz)	D1643			
T302	1st Mixer (10.695MHz)	D1644	6R769		
T303	2nd Mixer (455kHz)	D1645			
T304	IF (455kHz)	D1646			
T801	Ref Oscillator (10.240MHz)	D1669	9R926861		
T802	VCO	D1648			
T803	VCO Mixer (16.270MHz)	D1649	9R927111		
T804	VCO Mixer (27MHz)	D1650			
T805	Bandpass Filter (27MHz)	D1670			
T806	Bandpass Filter (27MHz)	D1670			
T807	Bandpass Filter (27MHz)	D1671			

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T702	1.25A	.128	1.3mH		TR574		

TRANSFORMER (Audio Output)

TRANSFORMER (Audio Output)						
ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
			MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
	PRI.	SEC. 1				
T701	4	8	D1647			
		SEC. 2				
		23				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	3" PM 8 Ohms	D1663	30A0528R	

TEABERRY MODEL STALKER III

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	2A Quick Acting			AGC2	HRK	312002	150145	F62-2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
D505	LED	B1204	XMT (2.06V @ 7.6mA)
D803	LED	D1604	Channel Readout (1.81V @ 5.6mA)
F301	Filter	D1631	10.695MHz
F302	Filter		455kHz
J1	Jack		PA
J2	Jack		EXT-SP
J5	Jack		Power DC
M1	Meter	D1658	TX/RX
P1	Lamp		Meter (11.74V @ 36.2mA)
S4	Switch	D1660	Brite/Dim
S5	Switch	D1655	Channel Selector
X801	Crystal		10.240MHz

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
Cabinet Assembly	D1651	Knob, Channel Selector	D1655
Knob, Volume, Squelch	D1656	Panel, Front	D1673

WIRING DATA

Cable (Speaker)(Unshielded).....	Use BELDEN No. 8782 (AWG24)(4 colors)
Shielding Strap.....	Use BELDEN No. 8660 (3/16" width)
Hook-up Wire (General Use).....	Use BELDEN No. 8524 (AWG22)(13 colors)
Hook-up Wire (Shielded).....	Use BELDEN No. 8401 (Braided Shield)(1 conductor)(AWG25)
	Use BELDEN No. 8421 (Spiral Shield)(1 conductor)(AWG25)
	Use BELDEN No. 8737 (Spiral Shield)(2 conductor)(AWG22)
Microphone Cable (Coiled).....	Use BELDEN No. 9466 (3 conductor-1 shielded)(6 ft.)(AWG28)