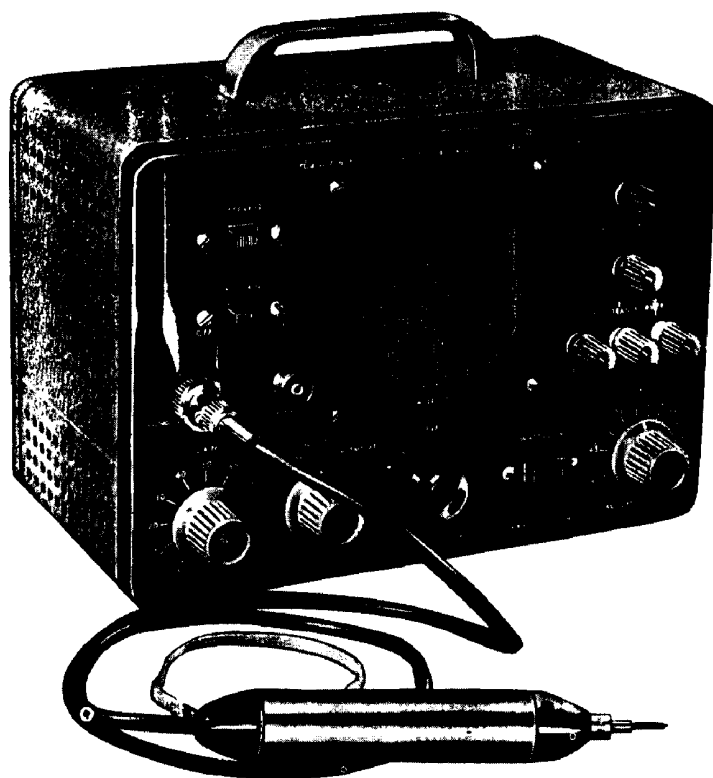


HEATHKIT VISUAL-AURAL SIGNAL TRACER

MODEL T-3



FEATURES AND APPLICATIONS

High gain RF channel for direct observation of actual transmitted signal. Can be used for AM, FM and TV circuit investigation.
Low gain channel for audio circuit exploration.
Visual signal indicator.
Convenient wattmeter circuit.
Noise locator circuit.
Utility amplifier for checking record changers, tuners, etc.
Useful for checking microphones, musical instrument pickups and speakers.
Substitution test speaker and output transformer.
Oscilloscope preamplifier.
VTVM panel terminals.
Output meter.

TUBE COMPLEMENT

12C8 amplifier and wattmeter rectifier.
12SH7 high gain pentode amplifier.
12A6 beam power output.
1629 electron beam visual indicator.
6X5 full-wave rectifier.

PROBES AND TEST LEADS

Shielded RF probe and lead.
Audio probe and lead.
Two flexible panel test leads with alligator clips.

SPECIFICATIONS

Cabinet size $9\frac{1}{2}$ " wide $6\frac{1}{2}$ " high 5" deep.
Shipping weight 8 pounds.
Power requirements 110 to 120 volts AC at 50-60 cycles.

PARTS LIST

MODEL T-3

PART No.	PARTS Per Kit	DESCRIPTION
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Resistors

1-1	1	47 Ω
1-6	1	470 Ω
1-15B	1	1000 Ω 2 watt
1-20	1	10 K Ω
1-24	1	33 K Ω
1-25	1	47 K Ω
1-26	1	100 K Ω
1-32	1	390 K Ω
1-33	2	470 K Ω
1-35	6	1 megohm
1-37	4	2.2 megohm

Condensers

23-2	5	.005 600 volts
23-6	1	.02 600 volts
23-10	4	.05 600 volts
25-4	1	10 μ fd at 25 volts
25-21	1	20-20-20-20 at 450 volts

Controls-Switches

10-32	1	1 megohm
19-12	1	50 K with switch
60-1	2	SPST slide switch
63-40	1	2 pole 3 position

Tubes

411-17	1	6X5GT
411-21	1	12A6
411-22	1	12C8
411-27	1	12SH7
411-30	1	1629

Transformers

51-10	1	Output Transformer
54-15	1	Power transformer
54-16	1	Watt meter transformer

Knobs-Grommets-Feet

73-1	6	3/8" grommet
261-1	4	Rubber feet
462-19	3	Skirted knob

Wire-Spaghetti

89-1	1	Line cord
340-2	1	#20 bare wire
341-1	1	Black test lead
341-2	1	Red test lead
342-1	1	Shielded wire
343-2	2	Black shielded test
344-1	1	roll Hookup wire
345-1	2	length Flat braid
346-1	2	length Spaghetti

PART No.	PARTS Per Kit	DESCRIPTION
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Sockets-Terminals-Plugs

260-1	4	Alligator clip
260-2	1	Grid clip
431-1	2	1 lug terminal
431-2	2	2 lug terminal
431-3	1	3 lug terminal
432-1	1	Connector
432-3	1	Connector
434-2	4	Octal socket
434-4	1	Octal socket
434-20	1	110 volt socket
436-1	1	Phone jack
70-2	1	Insulator sleeve, black
70-3	1	Insulator sleeve, red
70-4	1	Insulator sleeve, acetate
75-10	1	Insulator insert board
438-3	1	Phone plug
438-M8	2	Banana plug-sleeve assembly
439-M5	1	Black test probe
459-M2	1	Red probe tip end (tapped)
459-M3	1	Black probe tip end
476-M8	1	Probe body-drilled
477-3	1	Solderless phone tip

Hardware

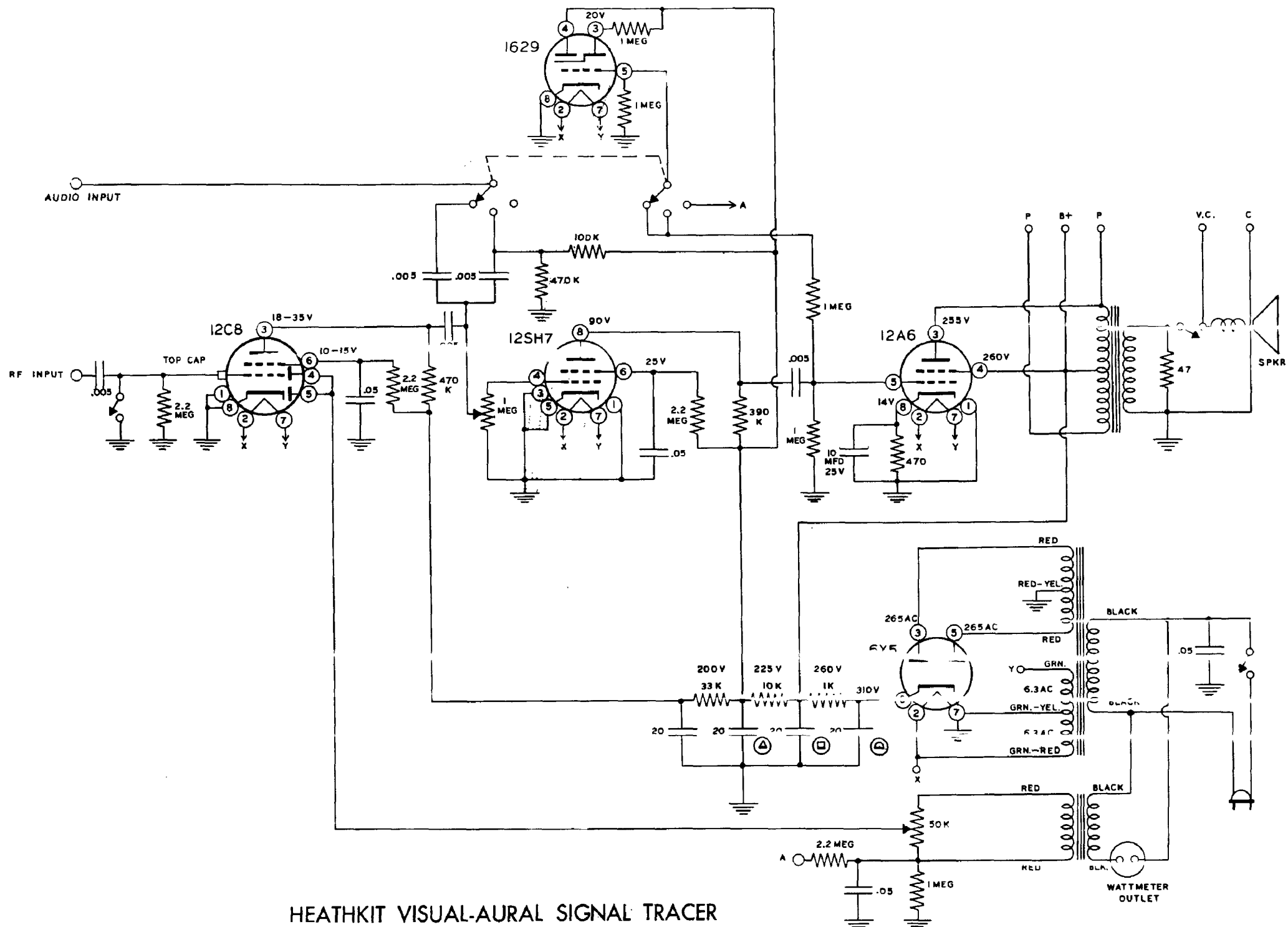
100-M16	5	Thumbscrew
250-1	4	Self tapping screw
250-8	2	#6 sheet metal screw
250-9	28	6-32 x 3/8" screw
250-18	2	8-32 screw
250-19	2	10-24 handle screw
250-43	3	8-32 set screw
250-25	2	Screw
252-3	34	6-32 nut
252-4	2	8-32 nut
252-7	5	Control nut
253-1	4	Flat fiber washer
253-2	5	Shoulder fiber washer
253-10	4	Control nickel washer
254-1	28	#6 lockwasher
254-2	2	#8 lockwasher
254-4	5	Control lockwasher
259-1	6	#6 solder lug
208-2	1	Spring clip
427-2	5	Binding post base
481-1	1	Condenser mounting wafer

Chassis-Cabinet-Panel

90-14	1	Cabinet
200-M31	1	Chassis
203-36	1	Panel

Miscellaneous

56-1	1	Germanium diode
209-M1	1	Speaker grill
211-1	1	Cabinet handle
401-2	1	4" sneaker



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