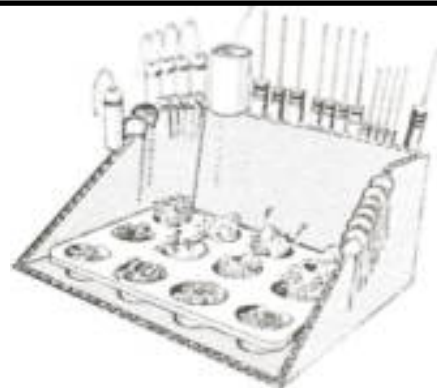


Most kit builders find it helpful to separate the various parts into convenient categories. Muffin tins or molded egg cartons make convenient trays for small parts. Resistors and capacitors may be placed with their lead ends inserted in the edge of a piece of corrugated cardboard until they are needed. Values can be written on the cardboard next to each component. The illustration shows one method that may be used.



## PARTS LIST

IM-32

From manual 595-564

<u>PART No.</u>	<u>PARTS Per Kit</u>	<u>DESCRIPTION</u>	<u>PART No.</u>	<u>PARTS Per Kit</u>	<u>DESCRIPTION</u>
<u>Resistors</u>			<u>Resistors (cont'd.)</u>		
1-3	1	100 $\Omega$ 1/2 watt (brown-black-brown)	2-146	1	2.162 megohm 1/2 watt precision
1-20	1	10 K $\Omega$ 1/2 watt (brown-black-orange)	2-147	1	6.838 megohm 1/2 watt precision
1-23	1	27 K $\Omega$ 1/2 watt (red-violet-orange)	<u>Capacitors</u>		
1-27	2	150 K $\Omega$ 1/2 watt (brown-green-yellow)	21-27	2	005 $\mu$ fd disc ceramic
1-35	1	1 megohm 1/2 watt (brown-black-green)	23-61	2	.05 $\mu$ fd 400 V tubular
1-38	1	3.3 megohm 1/2 watt (orange-orange-green)	23-91	1	.047 $\mu$ fd 1600 V tubular
1-40	1	10 megohm 1/2 watt (brown-black-blue)	25-19	1	20 $\mu$ fd 150 V electrolytic
1-70	6	22 megohm 1/2 watt (red-red-blue)	<u>Controls and Switches</u>		
1-126	1	180 K $\Omega$ 1/2 watt (brown-gray-yellow)	10-57	3	10 K $\Omega$ tab-mounting control
2-24	1	90 $\Omega$ 1/2 watt precision	10-113	2	10 K $\Omega$ miniature control
2-29	1	900 $\Omega$ 1/2 watt precision	63-79	1	Range switch
2-35	1	9 K $\Omega$ 1/2 watt precision	63-80	1	Selector switch
2-39	1	21.62 K $\Omega$ 1/2 watt precision	<u>Tubes-Lamps</u>		
2-40	1	68.38 K $\Omega$ 1/2 watt precision	411-25	1	12AU7 tube
2-41	1	90 K $\Omega$ 1/2 watt precision	411-40	1	6AL5 tube
2-42	1	216.2 K $\Omega$ 1/2 watt precision	412-1	1	#47 pilot light
2-45	1	683.8 K $\Omega$ 1/2 watt precision	<u>Sockets-Knobs</u>		
2-48	1	9.1 $\Omega$ 1/2 watt 5% wirewound (white-brown-gold)	434-15	1	7-pin tube socket
2-50	1	10 K $\Omega$ 1/2 watt precision	434-16	1	9-pin tube socket
2-51	1	900 K $\Omega$ 1/2 watt precision	434-87	1	Pilot light socket
2-52	1	9 megohm 1/2 watt precision	462-91	2	Thumb knob
2-86	1	150 K $\Omega$ 1/2 watt precision	462-140	2	Large knob
2-123	1	800 K $\Omega$ precision	463-27	2	Knob pointer
2-138	1	400 K $\Omega$ precision	<u>Wire-Grommets</u>		
			73-1	4	3/8" rubber grommets
			89-1	1	Line cord
			134-26	1	8 wire harness
			134-28	1	4 wire harness
			340-2	1	Length bare wire
			341-1	1	Length black test lead
			341-2	1	Length red test lead

<u>PART No.</u>	<u>PARTS Per Kit</u>	<u>DESCRIPTION</u>	<u>PART No.</u>	<u>PARTS Per Kit</u>	<u>DESCRIPTION</u>
<u>Wire-Grommets (Cont'd)</u>			<u>Hardware (cont'd)</u>		
343-3	1	Length shielded test lead	254-14	2	1/4" lockwasher
344-1	1	Length hookup wire	258-7	1	Battery spring
346-6	1	Length 3/8" sleeving	259-1	3	#6 solder lug
<u>Sheet Metal Parts</u>			260-1	1	Alligator clip
90-238	1	Cabinet	<u>Miscellaneous</u>		
200-M278F410	1	Chassis	54-2	1	Power transformer
203-215F761, 762, 763	1	Front panel	57-22	1	Selenium rectifier
204-M254	1	Battery bracket	70-5	1	Banana plug insulator, black
204-M352	1	Control mounting bracket	70-6	1	Banana plug insulator, red
214-2	1	Battery housing cup	75-24	1	Line cord strain relief
<u>Hardware</u>			211-15	1	Handle
250-49	5	3-48 x 1/4" screw	261-9	4	Rubber feet
250-83	2	#10 x 1/2" sheet metal screw	407-75	1	200 microampere meter
250-48	4	6-32 x 1/2 round head screw	413-4	1	Pilot lamp jewel, red
250-89	16	6-32 x 3/8" screw	421-26	1	1/8 ampere slow blow fuse
252-1	5	3-48 nut	422-1	1	Fuse holder
252-3	18	6-32 nut	431-10	1	3-lug terminal strip
252-7	3	Control nut	431-11	2	5-lug terminal strip
252-9	2	Large speednut	431-14	2	2-lug terminal strip
252-22	2	#6 speednut	436-1	1	Phone jack (DC)
252-37	1	9/32" nut (for lamp jewel)	436-2	1	Banana jack, black
252-39	2	1/4" nut (control)	436-3	1	Banana jack, red
253-2	3	#6 fiber shoulder washer	437-1	2	Banana jack insert
253-9	4	#8 flat washer	438-3	1	Phone plug
253-10	3	3/8" flat washer	438-13	2	Banana plug
254-1	20	#6 lockwasher	439-1	1	Test probe, red
254-4	2	3/8" control lockwasher	439-2	1	Test probe, black
254-5	1	3/8" lockwasher, thin	490-23	1	Allen wrench
			331-6		Solder
			595-564	1	Manual

A standard size "C" flashlight battery should be purchased at this time for use in the completed kit

## IM-10 to IM-32 Parts Changes

<u>IM-10 Parts Changed</u>			<u>New and Changed Parts in IM-32</u>		
Part #	#	Description	Part #	#	Description
462-67	2	Skirted Knob	462-140	2	Large knob
			463-27	2	Knob pointer
90-110	1	Cabinet	90-238	1	Cabinet
200-215F395			203-215F761, 762, 763		
	1	Front Panel		1	Front Panel
		(Not used on IM-10)	250-48	4	6-32 x 1/2" round head screw
252-3	14	6-32 nut	252-3	18	(Quantity Change)
		(Not used on IM-10)	253-9	4	#8 flat washer
254-1	16	#6 Lockwasher	254-1	20	(Quantity Change)
211-4	1	Handle	211-15	1	Handle
		(Not used on IM-10)	261-9	4	Rubber feet
421-19	1	1/4 ampere fuse	421-26	1	1/8 ampere slow blow fuse
418-1	1	size "C" flashlight cell			(Not supplied with IM-32)
		(Not supplied with IM-10)	331-6	–	Solder
595-362	1	Manual	595-564	1	Manual

The IM-10 had metal feet embossed into the bottom of the cabinet. In the IM-32 four rubber feet replaced the embossed metal feet. Each was held by a 1/2" round head screw, a #8 flat washer, a #6 lockwasher, and a #6 nut.