

432-1 476-2 2-47 250-6 258-2 258-3 341-3 Hex Contar Screw Tip Spring Body Spring Heavy Test Lead Insulator Sleeve Phone Plug

70-1 438-3

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The assembler is urged to follow the instructions exact-ly as provided. The Heath Company assumes no respuns-ibility nor liability for any damages or injuries sustained in the assembly of the device or in the operation of the completed instrument.

HEATH COMPANY Benton Harbor, Michigan



		PARTS LIST
432-1	1	Connector
476-2	1	Probe body
2-47	1	1090 megohm resistor
250-6	1	Hex collar screw
260-1	1	Alligator clip
258-2	1	Tip spring
258-3	1	Body spring
70-1	1	Insulator sleeve
438-3	1	Phone plug
341-1	1	Length black test lead
341-2	1	Length red test lead
331-6		Solder
595-490	1	Instruction manual

CONNECTOR

BLACK TEST LEAD

TIP SPRING

(RED TEST LEAD

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PHONE PLUG

SOLDER

Some ALLIGATOR CLIP

- () Solder the alligator clip to the other end of the black test lead.
- () Insert the other end of the red test lead through the tip spring (through the wide end first) and solder it to the eyelet in the con-nector, as shown.
- () Push the tip spring down tightly into the end of the connector, and then tighten the setscrew in the connector.

Wherever possible, contact the high voltage by hooking the tip spring to the terminal un-der test, This should be done with the power turned off. Then without touching the probe, turn power on, take the reading, turn the power off, carefully discharge any high voltage capacitors which may be in the circuit, and remove the probe from the circuit.

While the conductors inside the handle and the test lead assembly never carry more than 300 volus when the probe is properly connected, THESE PARTS WILL BE EXPOSED TO THE FULL 30,000 VOLTS, IF NOT CONNECTED TO THE VITVM.

() Screw the test lead assembly to the probe body, thus compressing the body spring, and insuring the proper contact between the re-sistor and tip, and between the spring and test lead assembly.

This completes the assembly. Connect the prometo your VTVM in place of the regular DC test probe.

This probe the revealed in the input resistance of the VTVM to 1100 megohms. This permits measurements to be made in high resistance circuits with negligible loading. This high input resistance can even be used with lower voltages by using a 1.5 volt, 3 volt, or 5 volt range of the VTVM, the 1.5 volt range would become a 150 volt range, the 3 volt range would become a 300 volt range, and the 5 volt range would become a 300 volt range.



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