For VTVM'S with 1.5v Full Scale Range

ASSEMBLING THE HEATHKIT NO. 336 HIGH VOLTAGE PROBE KIT

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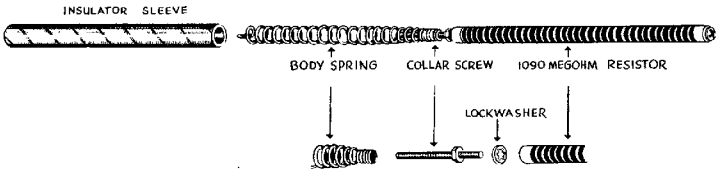

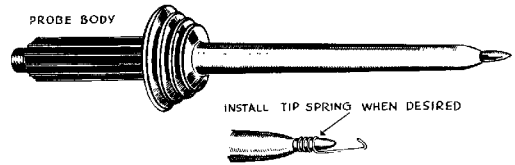

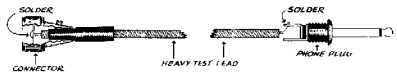

HANDLE THE 1090 MEGOHM RESISTOR WITH CARE AS OUTLINED IN THE NOTE PACKED WITH THIS PART.

Remove the screw from one end, and replace with the collar screw. Screw the body spring onto the long part of the collar screw. Slip the insulator sleeve over the body spring, and slip this assembly into the probe body with the resistor towards the tip.

Assemble the cable as shown, by soldering the test lead to the proper lug on the phone plug. Then replace the bakelite cap on the phone plug. Now solder the test lead to the eyelet in the connector.

Screw the test lead assembly to the probe body, thus compressing the body spring, and insuring proper contact between resistor and tip, and between spring and test lead assembly.

This test probe, when used with a standard 11 megohm input resistance VTVM, will increase the voltage ranges by a factor of 100.

Connect the probe to the VTVM in place of the regular DC test probe.

PARTS LIST

432-1	1	Connector
476-2	1	Probe Body
2-47	1	1090 Megohm Resistor
250-6	1	Hex Collar Screw
258-2	1	Tip Spring
258-3	1	Body Spring
341-3	1	Heavy Test Lead
70-1	1	Insulator Sleeve
438-3	1	Phone Plug

CAUTION: HIGH VOLTAGES ARE EXTREMELY DANGEROUS. NEVER MEASURE DC VOLTAGES IN EXCESS OF 30,000 VOLTS.

This probe is designed to permit high voltage measurements to be made as safely as possible.

ALWAYS MAKE SURE THAT THE GROUND CLIP IS CONNECTED BETWEEN THE CHASSIS OF THE UNIT UNDER TEST AND THE VTVM, AND THAT THE PROBE IS CONNECTED TO THE VTVM.

Wherever possible, contact the high-voltsge by hooking the tip spring to the terminal under 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 condensers 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 volts when the probe is properly connected, THESE PARTS WILL BE EXPOSED TO THE FULL 30,000 VOLTS, IF NOT CONNECTED TO THE VTVM.

All DC ranges on the VTVM are now multiplied by 100, thus the 150 volt range becomes the 15,000 volt range. ALTHOUGH MULTIPLYING THE 500V RANGE BY 100 GIVES 50,000V, NEVER USE THE PROBE ON DC VOLTAGES ABOVE 30,000 VOLTS.

High voltages up to 30,000 Volts DC, as encountered in television receivers, may be applied to this test probe.

This probe increases the input resistance of the meter to 1100 megohms. On the 5 Volt position of the range switch a full scale reading of 500 Volts is obtsined. This permits measurements to be made in high resistance circuits with negligible loading.

WARRANTY

The Heath Company limits its warranty on any part supplied with any Heathkit (except tubes, meters, and rectifiers, where the original manufacturer's guarantee only applies) to the replacement within three (3) months of said part which, when returned with prior permission, postpaid, was in the judgment of the Heath Company, defective at the time of sale.

The assembler is urged to follow the instructions exactly as provided. The Heath Company assumes no respunsibility 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

For VTVM'S with 3v Full Scale Range

ASSEMBLING THE HEATHKIT NO. 336 HIGH VOLTAGE PROBE KIT

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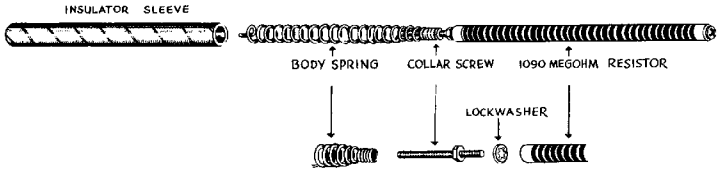

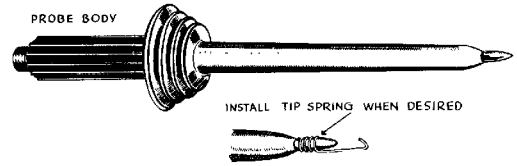

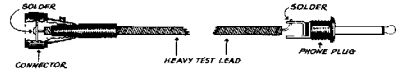

HANDLE THE 1090 MEGOHM RESISTOR WITH CARE AS OUTLINED IN THE NOTE PACKED WITH THIS PART.

Remove the screw from one end, and replace with the collar screw. Screw the body spring onto the long part of the collar screw. Slip the insulator sleeve over the body spring, and slip this assembly into the probe body with the resistor towards the tip.

Assemble the cable as shown, by soldering the test lead to the proper lug on the phone plug. Then replace the bakelite cap on the phone plug. Now solder the test lead to the eyelet in the connector.

Screw the test lead assembly to the probe body, thus compressing the body spring, and insuring proper contact between resistor and tip, and between spring and test lead assembly.

This test probe, when used with a standard 11 megohm input resistance VTVM, will increase the voltage ranges by a factor of 100

Connect the probe to the VTVM in place of the regular DC test probe.

PARTS LIST

432-1	1	Connector
476-2	1	Probe Body
2-47	1	1090 Megohm Resistor
250-6	1	Hex Collar Screw
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This probe is designed to permit high voltage measurements to be made as safely as possible.

ALWAYS MAKE SURE THAT THE GROUND CLIP IS CONNECTED BETWEEN THE CHASSIS OF THE UNIT UNDER TEST AND THE VTVM, AND THAT THE PROBE IS CONNECTED TO THE VTVM.

Wherever possible, contact the high-voltage by hooking the tip spring to the terminal under 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 condensers 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 volts when the probe is properly connected, THESE PARTS WILL BE EXPOSED TO THE FULL 30,000 VOLTS, IF NOT CONNECTED TO THE VTVM.

All DC ranges on the VTVM are now multiplied by 100, thus the 300 volt range becomes the 30,000 volt range, and the 100 Volt range becomes the 10,000 Volt range.

—NEVER USE THE PROBE ON DC VOLTAGES ABOVE 30,000 VOLTS.

High voltages up to 30,000 Volts DC, as encountered in television receivers, may be applied to this test probe.

This probe increases the input resistance of the meter to 1100 megohms. On the 3 Volt position of the range switch a full scale reading of 300 Volts is obtained. This permits measurements to be made in high resistance circuits with negligible loading.

WARRANTY

The Heath Company limits its warranty on any part supplied with any Heathkit (except tubes, meters, and rectifiers, where the original manufacturer's guarantee only applies) to the replacement within three (3) months of said part which, when returned with prior permission, postpaid, was in the judgment of the Heath Company, defective at the time of sale.

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