

CORONA DISCHARGE WAND MODEL N-148

WARNING

This device will not perform its intended function unless it is properly grounded. The ground wire should be connected to the black binding post on top of the base of the N-100 Van de Graaff generator. In addition, be sure the three prong plug on the line cord of the generator is connected to a grounded wall socket. Inspect the grounding wire frequently to be sure there are no broken connections.

OPERATION

This wand is a very simple device, consisting essentially of a needle point connected to a wire that ends with a banana plug. The grounding wire must be connected to the binding post on the cabinet base of the generator.

When held close to the Van de Graaff dome after the machine has been turned off, it will quickly drain the dome and a student who might have been participating in a "hair stand up" demonstration. This means you have a fast easy method of discharging a volunteer without the chance of a shock that might occur when using the N-122 Discharge Electrode.

MAINTENANCE

The primary point of vulnerability is the wire connection at the banana plug. After extensive flexing, the wires at this connection may break even though the heavy rubber insulation is intact. You can easily check continuity from the needle point to the tip of the banana plug with an ohmmeter.

