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Isolation Transformer: How It Protects You from Shock

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TOPIC -----

How does the isolation transformer protect a service technician from getting shocked?

DISCUSSION -----

The isolation transformer protects against a ground that's been reversed with a hot lead: for example, a normally grounded monitor frame that's been switched to hot. If you were to touch the frame and a true ground, you would be severely electrocuted.

The isolation transformer creates a floating source for the voltage that ties the voltage coming from the transformer to earth ground. This prevents you from getting between the power source and ground to complete a circuit.

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