

ABSTRACT

This invention provides conductive devices and tools to provide electrical conduction with a generally planar conductor which is covered with an insulation substance such as paint, rust or dust, by scraping a portion of the conductor and removing the insulation substance. A conductive device includes a conductive metal serration means, and a tool utilizes such a serration device. Such a serration device can be a bolt device, nut device or washer device, or washer-incorporated thread device. A connector device is also disclosed to provide electrical conduction between a conductor and a conductor plate covered with an insulation substance.