

COOLING SYSTEM VOLTAGE SPONGE

The Voltage Sponge is a multifunctional product. Please note the installation instruction for your particular application.

ELECTRONIC COOLING SYSTEM VOLTAGE REMOVER:

1.) When using the Voltage Sponge as an Electronic Cooling System Voltage Remover, it will be necessary to have basic knowledge of a voltmeter (**fig. 1**). Setting your voltmeter on millivolts, ground the black lead from the voltmeter to the battery ground, checking the voltage of the exterior of the radiator core, transmission cooler lines (if so equipped), heater core and engine to see what components show either a positive or negative voltage. If, for example, the radiator carries negative voltage, your connection at this time would be connecting the Black wire from the Voltage Sponge to the radiator and the Red wire from the Voltage Sponge to a positive component. Often when the radiator carries negative voltage, if your vehicle is equipped with an external transmission cooler, generally the external fittings will be positive voltage (**fig. 2**). If so, connect the Red wire from the Voltage Sponge to the transmission cooler lines. If your radiator is carrying a positive voltage, connect the Red wire from the Voltage Sponge to the Radiator and the Black wire from the Voltage Sponge to the negative side of the battery. If you have problems finding a positive component, start the vehicle's engine and re-check the components' voltage. In some cases, a negative component will show positive voltage when the engine is running.



fig. 1



fig. 2

ELECTRONIC COMPUTER AND SENSOR STABILIZER:

2.) When using the Voltage Sponge as a computer and Sensor Stabilizer (**fig. 3**), it will eliminate static, stray voltage, or voltage spiking, and allows the vehicle's overall performance. The basic knowledge of a voltmeter is required. Test the engine block, cylinder head or intake manifold for positive voltage. Once one of the components tests positive, connect the Red wire from the Voltage Sponge to the source. Connect the Black wire from the Voltage Sponge to the negative side of the battery. If a positive source cannot be located, start the vehicle's engine and re-test all components. In some cases, a negative component will show positive voltage when the engine is running.



fig. 3

ELECTRONIC STATIC VOLTAGE ABSORBER AND GROUNDING DEVICE:

3.) When using the Voltage Sponge as a static or stray voltage remover (**fig. 4**), in this application it does not require the use of a voltmeter. This type of application helps to eliminate electric body shock and will also enhance your vehicle's electrical system. Simply connect the Black wire from the Voltage Sponge to the negative side of the battery and connect the Red wire from the Voltage Sponge to your vehicle's chassis or body with the supplied clips.



fig. 4