

SERVICE BULLETIN

NUMBER 512

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CPU-95 Voltage Regulator Insulator

The voltage regulator on the CPU-95 Power Board is “heat sunk” to the enclosure by the use of a thermally conductive insulator which allows firm contact to the enclosure. This is shown as “item 25” in the Service Instructions. These “insulators” electrically insulate, but allow thermal conductivity so that the components do not overheat and can then operate within design parameters. The original 610530 insulator is fairly thin and in some cases did not adequately press against the case due to tolerance stackup of mounting and component tolerances. The Insulator for this voltage regulator has been changed from the 610530 to the 615223 which is Blue in color, and is thicker to allow for mounting variations. Every time that the Power Board is removed from the enclosure a new insulator should be installed before re-assembly!

Please note that the insulators for the T-MOS's, item 24 (610636), have not changed and are bonded using a through mount screw.

All new and exchange boards have these “insulators” attached to the T-MOS's or voltage regulators and are ready for installation. Only when removing and re-installing a Power Board should these insulators be replaced.

Please also note that the Power Board should not be operated outside of an enclosure as this voltage regulator will overheat!

The CPU-95 Service Instructions have been updated on the www.altronic-llc.com website.

