## ZERO DOWNTIME

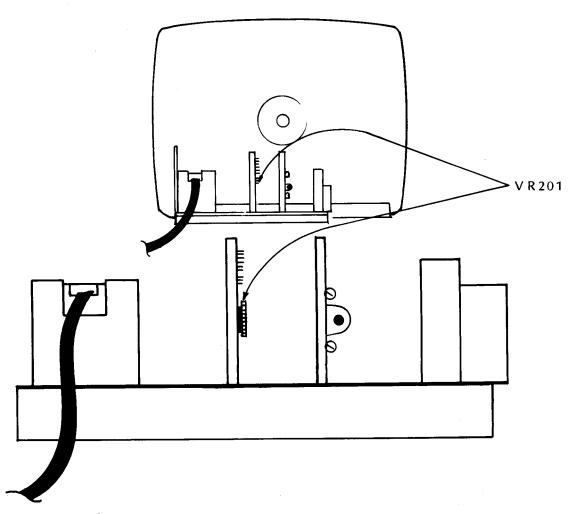
VOLUME 1 NUMBER 5 MAY © EXIDY INC. 1981

This month we discuss monitor adjustment and power supplies for our goal of zero downtime.

## Wells-Gardner "Black" Level Control

On Wells-Gardner monitors there is black level control which is like a brightness setting. Although not as visible as the other set-up controls, the black level control is used to adjust a screen which is too dark or too bright.

This control is set at the factory but a minor adjustment may be necessary. Black level control (VR201) is a 1.5 K pot located on the interface board. The voltage at this pot should be adjusted to approximately 8.91 volts D.C and, as this control is very sensitive, it doesn't take much movement for large black level changes.

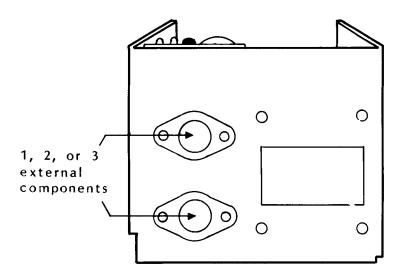


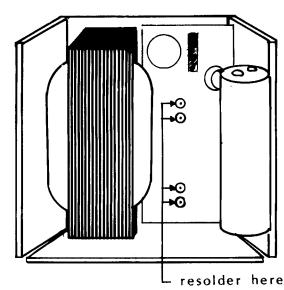


## Power Supplies

One of the first areas to check when troubleshooting a game is to make sure you have correct voltages. Proper voltages for the logic and audio PCB's are checked on the respective PCB board. The 5 volts should be checked near the microprocessor while being adjusted on the power supply with the voltage adjustment pot. The voltage is set when the power supply is under load (while it is connected to the logic board, for example).

It is possible to have the proper voltages but have an intermittent problem with a game because of the power supply. The only way to really verify this type of problem would be to substitute a known good power supply for the one in question. Intermittence in a power supply is usually caused by the externally mounted components (diodes and regulators) not making proper contact with the regulator board. (See illustration). Reheat and resolder these connections (especially power supplies with eyelets) to make sure a correct connection is made.





If you have any questions concerning this information, contact Exidy Customer Service at (800) 538-8402 or (408) 734-9410.