



TECHNICAL SERVICE BULLETIN

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merit industries, inc.

- Problem:** Stray magnetic fields causing purity problems with the monitor.
- Games affected:** All video games.
- Symptoms:** Parts of the screen have splotches of color.
- Cause:** Stray magnetic field affecting electron beam deflection.
- Solution:** Degauss the monitor to remove stray magnetic fields.

Degaussing Procedures for Video Monitors

If your monitor is displaying "purity problems," (a display with purity problems will have parts of an all-white screen affected by blotches of color) the monitor needs to be degaussed using a "degaussing coil." A degaussing coil is a circular, or wand-shaped, electromagnet, used to cancel out any stray magnetic fields that may build up on a metal object. You can purchase a degaussing coil from most electronics specialty houses and catalogs, in both 120V and 220V configurations.

All of our monitors have built-in degaussing coils that are automatically activated on power-up. If your game is experiencing minor purity problems, try powering down the game for 5 minutes and then reapplying power to activate the degaussing coil. (EYGO MONITORS ONLY: A degaussing button is located on the monitor controls panel. You can press this button, while the machine is running, to degauss the monitor using the built-in coil). If the problem is not corrected, you will have to use a manual degaussing coil.

Follow the instructions below for degaussing a monitor.

1. Plug in your degaussing coil.
2. Hold the coil about three feet from the monitor, press the trigger to activate the magnetic field (for circular-shaped coils, orient the coil so you see the monitor through the hole in the middle; for wand-shaped coils, point the wand towards the screen).
3. Move the coil in a circular motion around the face of the monitor and slowly approach the game.
4. Continuing to move the coil in a circular motion, slowly back away from the monitor.
- 5a. CIRCULAR-SHAPED COILS: When you are about three feet away, quickly turn the coil perpendicular to the monitor and release the trigger.
- 5b. WAND-SHAPED COILS: When you are about three feet away, point the wand away from the monitor and release the trigger.