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Apple Color Monitors: Troubleshooting Excessive Power-Up Noise

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TOPIC ---

When I turn on my AppleColor High-Resolution RGB Monitor, it makes an
abnormally loud buzzing sound for the first 1 to 2 seconds.

DISCUSSION --

The sound that you hear is the degaussing coil being activated on power-up.
Color monitors are subject to impurities from other magnetic fields. This
is countered by putting a neutralizing field around the front of the CRT on
power-up or by pressing the degaussing coil button on the back of the
monitor. Monitors with degaussing coils may make some noise when
activated. However, if the noise is excessive, it may indicate that the
coil is loose and is vibrating against the monitor case. The noise may be
annoying, but it doesn't indicate a problem.

To minimize excessive noise, follow the take-apart procedures for the
Cathode-Ray Tube (CRT) in the Technical Procedures manual or on the Service
Source CD. The AppleColor High-Resolution RGB Monitor contains two
degaussing coils: one on the top and one on the bottom of the CRT. A
visual inspection of the two coils may indicate where the problem is.

The degaussing coils should be mounted solidly in place to minimize the
vibration against the plastic case or chassis. If a coil is loose,
electrical tape can be used to secure it. If a coil is bent out of shape,
it can be gently straightened and reinstalled.

This procedure should be performed by trained service personnel only.
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