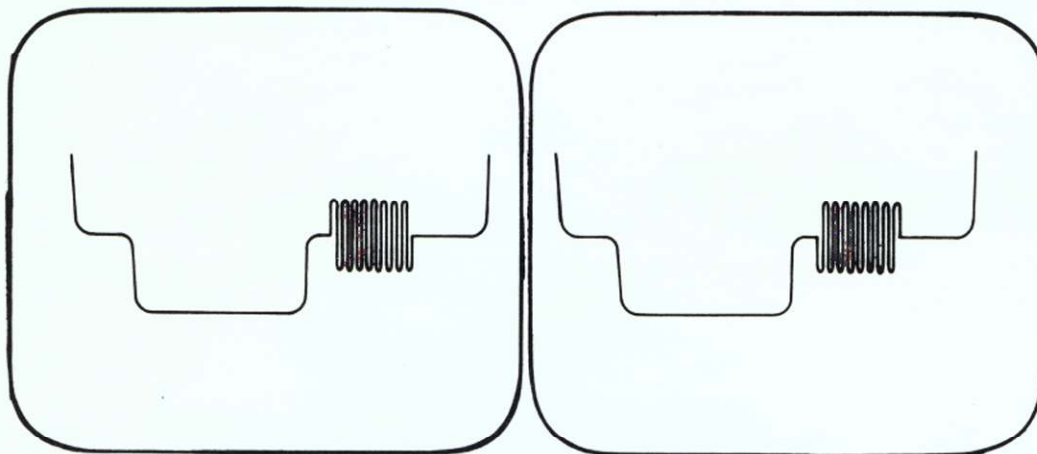


Times being what they are, prices and specifications are subject to change without notice.

Frame n, n+2,

Frame n+1, n+3,



Merlin ME-78 Color Framer Kit

The ME-78 Color Framer Kit can enhance the performance of your VTR—easily and economically.

In the NTSC color system, the 3.58 MHz. subcarrier phase at the beginning of each frame is related to the leading edge of horizontal sync. For any single system, the distance between the leading edge of sync. and the zero axis crossover of the first cycle of burst will be consistent. However the phase of the 3.58 MHz. subcarrier is shifted 180° every frame.

Recently designed quad VTR's are designed so that the subcarrier is correctly phased at all times. Some older quad VTR's such as the VR 1200 and VR 2000 do not have this feature and there is a 50/50 chance the reproduced video will contain burst information that is 180 degrees out of phase with the reference subcarrier. This becomes a significant problem on VTR's used for editing.

The Merlin ME-78 Color Framer Kit can easily be fitted to Ampex VR 1200's and VR 2000's and will ensure that the reproduced video is always correctly phased.

In operation the ME-78 monitors the Colortec error signal. If the reproduced video is incorrectly phased this error signal will be at maximum level. This is detected and a correction fed to the capstan servo which causes VTR to reframe.

ME-78 Color Framer Kit

CUSTOM SYSTEM SERVICES

Merlin Engineering Works has complete design, engineering and fabricating capabilities for custom systems. Call for information or quotations.

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