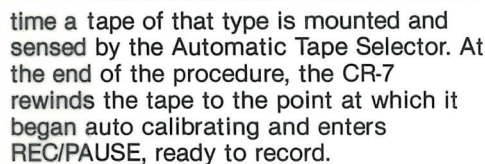


With the exception of Auto Calibration, Azimuth Alignment and a few special features found only on the CR-7, the CR-5 and CR-7 are virtually identical. Both use the special technologies that make a Nakamichi cassette deck unique in the industry.



As shown in Figure 4, the azimuth-alignment mechanism can take commands from three sources: the Auto-Calibration system, a front-panel Playback Azimuth control or via the RM-7C Wireless Remote Control Unit supplied with the CR-7.

When playing a tape of questionable azimuth, you need only adjust the play-head azimuth via the front-panel control or the remote for best treble response. Once you have, you're assured of hearing *everything* recorded on that tape! During correction, one channel of the recording indicator converts to a "relative-azimuth" display to show you how far you've adjusted the head.



Figure 8 shows the mounting arrangement used in the CR-7/CR-5. Each head has its own height, azimuth and zenith (tilt) adjustments which are separately aligned to sub-micron tolerances to ensure ideal performance.



With both cores in the same structure, there's little room for shielding. Bias and signal leak into the playback gap and upset Dolby tracking when monitoring. If an auto-calibration system is used with such a head, this "crossfeed" *by itself* causes miscalignment!



The record and play heads use the famous Nakamichi laminated-Crystalloy core—fabricated by an exclusive process that eliminates physical stress. Thus, the magnetic properties of the material are fully preserved, a fact proven in performance. As Figure 9 indicates, CR-7 response is within ± 3 dB from 18 Hz to 21,000 Hz at -20 dB and almost equally good at 0 dB with Dolby-C NR. Thanks to our special “relieved-surface” architecture and special poletip geometry, head life is over 10,000 hours and bass response is exceptionally smooth.

CR-7

Discrete Head Cassette Deck