

SERVICE LETTER

DATE: May 2, 1974

NUMBER: DK3022

SUBJECT: X+90 ADJUSTMENT ON 200 TPI UNITS

PURPOSE: Presently there are no differences outlined in the D3000 Manual (102780) on the X+90 adjustment for 100 TPI and 200 TPI Disk Drives. D3000 Manual (102780) outlines 100 TPI, X+90 adjustment only. This adjustment is not adequate for use on 200 TPI Disk Drives. The following procedure must be utilized when making the X+90 adjustment on 200 TPI Disk Drives.

6.9.7.4 ADJUSTMENT PROCEDURE - 200 TPI ONLY

- (1) Select Channel 2. Adjust potentiometer R79 (X+90). Balance until the X+90 waveform at TP2 is balanced at ground.
- (2) Select Channel 1. Observe settling response of the X+0 waveform at TP20. If the response overshoots greater than + 2.0v about ground, readjustment of the reticule is required (6.9.6.4).
- (3) Select Channel 2. Establish that the X+90 waveform at TP2 has transistions balanced about ground reference as shown in Figure 6-15(b), adjust R79, if necessary.
- (4) Connect Channel 2 test probe to TP13. Change Channel 2 sensitivity to 2v per division. Set Channel Select switch to ADD. Observe that SPQCG signal added to X+0 waveform occurs at greater than +4v on the positive peak and more negative than -4v on the negative peak when balanced about ground as shown in Figure 6-14(b). (Sweep rate of 0.5 msec per division may be desirable.)

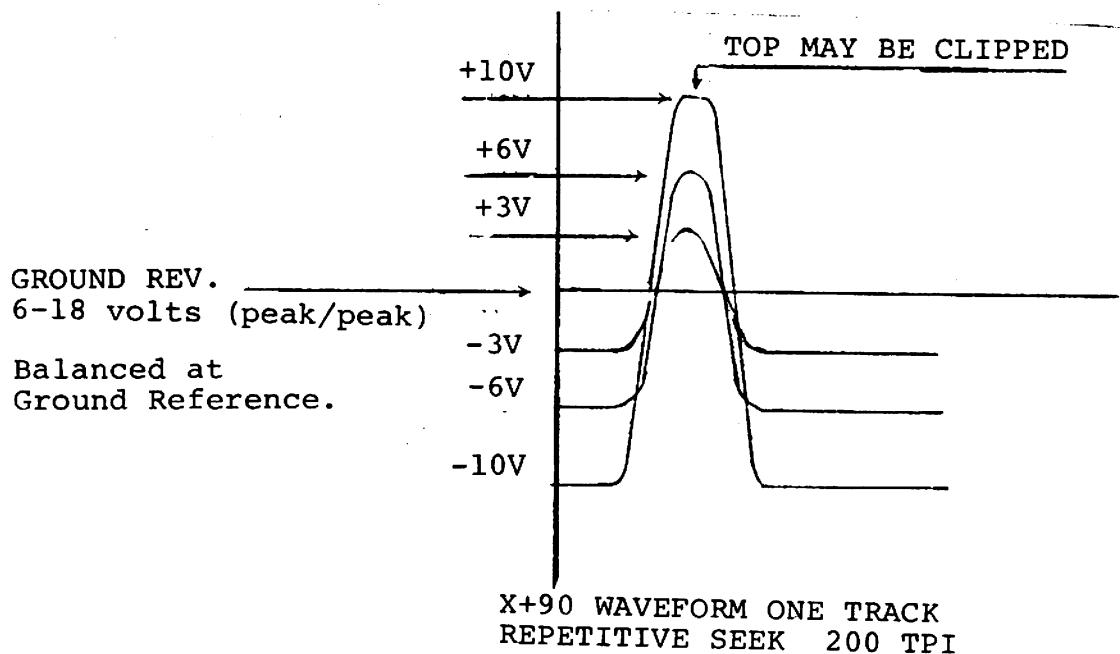


FIGURE 6-15 (b)

PERTEC

CUSTOMER SERVICE

PRODUCT SUPPORT