

SERVICE LETTER

DATE: June 11, 1974

NUMBER: DK3008A

SUBJECT: UPPER SECTOR TRANSDUCER ADJUSTMENT

EFFECTIVITY: ALL MECHANICALLY SECTORED TOP LOAD UNITS

NOTE

SERVICE LETTER DK3008A
REPLACES SERVICE LETTER
DK3008 IN ITS ENTIRETY.
REMOVE AND DESTROY SERVICE
LETTER DK3008.

PURPOSE: Latest reports indicate that some disk pack vendors are utilizing 20 mil sector notches in their pack sector rings. Should the D3000 be adjusted for a standard 80 mil notch, low amplitude at LTPE2 (Figure 1) could result.

Symptoms of low amplitude:

- Missing sector pulses
- Wrong Sector Counts
- Unexplainable controller time-outs.

To date there is no known standard for notch widths on mechanically sectored packs, however, compensation for the 20 mil notches may be made using the following procedure:

- 1.0 LTPE2 (Figure 1) - Monitor upper sector transducer output.
- 1.1 LTPE2 - Should have an analog swing of $\geq +450$ mv/ ≤ -100 mv in amplitude. Any less is unacceptable.
- 1.2 If LTPE2 amplitude is not sufficient, the upper sector transducer MUST be moved closer to the upper platter sector ring.

CAUTION

CARE MUST BE UTILIZED WHEN
ADJUSTING UPPER SECTOR
TRANSDUCER, ECCENTRICITY OF
THE SECTOR RING COULD CAUSE
DAMAGE TO TRANSDUCER TIP IF
MOVED TOO CLOSE.

Page 1 of 2

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- 1.3 Upper sector transducer may be adjusted by utilizing D3000 manual Rev. C., Pages 6-128, 6-130 Section 6-18 (Magnetic Transducer Gap).

HINT

A DISK PACK MAY BE DISASSEMBLED AND THE SECTOR RING USED FOR ADJUSTMENT IF NO ADAPTER BOWL SETUP TOOL (103619-01) IS AVAILABLE.