

## PERIPHERAL EQUIPMENT DIVISION

<b>TITLE</b> IMPROVED CONTROL OF POSITIONER MECHANICAL RESONANCE			PIB NO. DK-3046		
PRODUCT LINE:	TAPE DISK FORMATTER	EQUIPMENT CHANGED Servo PCBA 102811-02	MODEL SERIES AFFECTED D3000	EFFECTIVE DATE October 15, 1975	

<b>CLASS OF BULLETIN:</b>  <input type="checkbox"/> IMPROVEMENT <input checked="" type="checkbox"/> RETROFIT ON FAILURE <input type="checkbox"/> RETROFIT RECOMMENDED <input type="checkbox"/> SERVICE INFORMATION ONLY	<b>ORDER PART KIT NO.:</b>  N/A	<b>EFFECTIVITY</b>  Disk units using servo PCBA 102811-02S and prior.
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**PURPOSE:**

To reduce the possibility of positioner oscillating or skipping tracks due to its mechanical resonance.

**SYMPTOMS:**

Problems with track positioning (typically exhibited as being one track off), or positioner oscillating over the track addressed.

**PARTS REQUIRED:**

<u>PERTEC P/N</u>	<u>DESCRIPTION</u>	<u>QTY</u>
104-1504	Resistor, 1500K ohms, ± 1%, 1/4W (R35)	1
104-1003	Resistor, 100K ohms, ± 1%, 1/4W (R46)	1
100-3315	Resistor, 330 ohms, ± 5%, 1/4W (R51)	1
104-5623	Resistor, 562K ohms, ± 1%, 1/4W (R62)	1
104-6191	Resistor, 6.19K ohms, ± 1%, 1/4W (R15 & R59)	2
100-2245	Resistor, 220K ohms, ± 5%, 1/4W (R224)	1

**SPECIAL TOOLS REQUIRED:**

None

**INSTALLATION PROCEDURE:**

Refer to PCBA Drawing (102811) for component locations.

1.0 Remove existing resistors R35, R46, R51, R62, R15, R59, and R224 and replace with the values called for under Parts Required above.

2.0 After rework reidentify as follows:

2.1 FROM: 102811-02S TO: 102811-02T

2.2 For all revision previous to "S" add "+ECN 7650A".

Additional Information Be Required — Contact

**PERTEC**

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ATTENTION: PRODUCT SUPPORT MANAGER

PERTEC 20 K0120 (1)

Distribution Code 6318

TITLE IMPROVED CONTROL OF POSITIONER MECHANICAL RESONANCE

PIB NO.  
DK-3046

ADJUSTMENTS:

Following rework perform the STATIC AND DYNAMIC POSITIONER ADJUSTMENTS (Paragraphs 6.8 and 6.9 respectively) found in Section VI of the maintenance manual.

NOTE: Only the electrical adjustments which are accomplished by adjusting a potentiometer need be checked and adjusted.

DOCUMENTATION:

Change the schematic drawing (102810) as necessary to reflect the new values of R35, R46, R51, R62, R15, R59, and R224.

TIME REQUIRED:

1.5 hours