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The Pacific Telephone and Telegraph Company

BELL SYSTEM PRACTICES

SECTION P65.924.03

Teletypewriter and Data

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Stations

TPT&TCO

## ADOSO SYSTEM

### (Automatic Distribution of Service Orders)

#### Message Registers (Veeder Root-Counters) Maintenance Adjustment

### 1. GENERAL

1.01 This subsection, P65.924.03 is issued to provide adjusting information for the Veeder Root-Counters used for message registers in the ADOSO I and ADOSO II Systems. Some counters in service have developed a case of trouble, undercounting messages.

1.02 Investigation has shown that this is caused by the armature failing to release far enough for the feed pawl to engage the wheel to advance the count. This condition is due in part to the position in which the counters are mounted in the ADOSO systems.

1.03 Mounted horizontally, or partially so, the weight of the armature tends to overcome the force of the armature return spring. To correct this condition, it is necessary to apply more pressure to the armature return spring, ensuring the armature's positive return.

### 2. METHOD

2.01 Remove the counter from its mounting, break the wax seal located on the cover opposite the manufacturer's name plate. Remove cover, and place assembly in position shown in sketch: vertical with feed pawl down. Loosen locknut on adjusting screw. Do not remove the number wheel. It is omitted from the sketch in order to more clearly show the portion on the assembly being affected by the adjusting process.

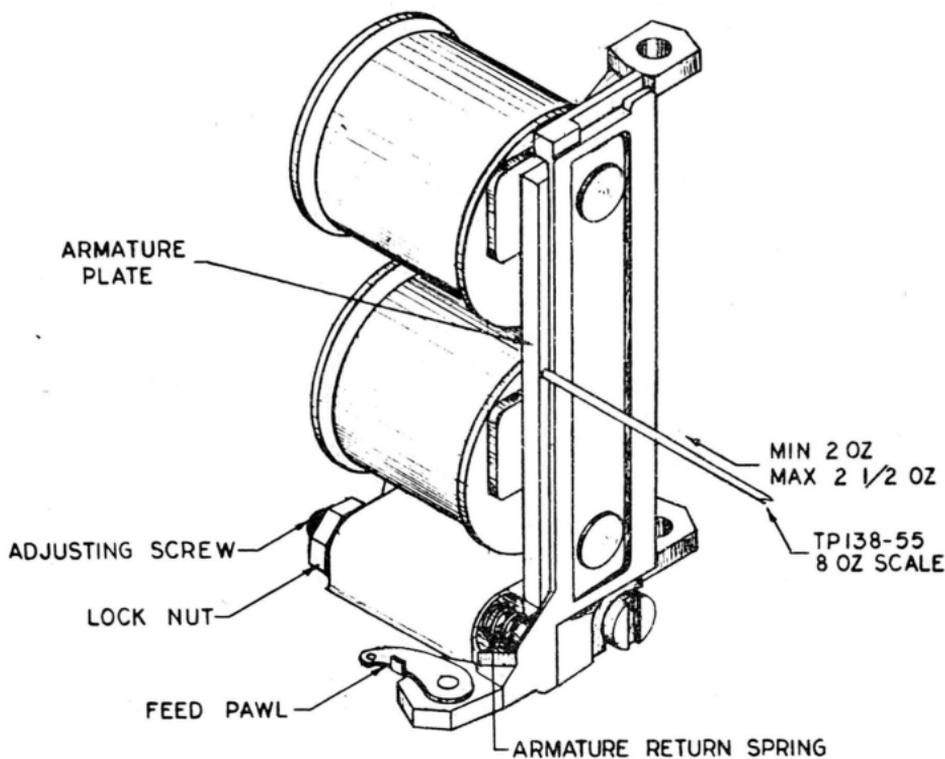


FIG 1

2.02 Using a TP 138-55 8 oz. scale applied to the midpoint of the armature's leading edge as shown in Fig. 1, the adjusting screw shall be tightened until it requires a min. of 2 oz. to max. of 2 1/2 oz. to just move the armature. Do not apply enough pressure to move the numbers wheel. This will be adequate to ensure positive action.

2.03 Upon completing the adjustment, tighten the locknut on the adjusting screw, replace cover and remount the counter.