

**BELL SYSTEM PRACTICES**  
Teletypewriter and Manual  
Telegraph Station and P.B.X.  
Installation and Maintenance

**SECTION P35.632**  
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## **TRANSMITTER DISTRIBUTOR**

### **NO. 14 — STATION TYPE**

### **REQUIREMENTS AND PROCEDURES**

### **OPERATION AT 100 SPEED**

#### **1. GENERAL**

1.01 This section outlines special apparatus requirements and adjusting procedures for the maintenance of No. 14 station type transmitter distributors arranged for 100 wpm operation.

1.02 The information contained herein will be included in the standard P sections when it has been fully tested in the field.

1.03 For requirements and procedures not covered herein reference should be made to standard P sections covering No. 14 station type transmitter distributors.

#### **2. REQUIREMENTS AND PROCEDURES**

2.01 **Operating lever spring (74701M)** tension shall be min. 3-1/2 ozs., max. 6-1/2 ozs. when the operating lever is on the low part of its cam.

(a) To check, rest unit on its left side, unhook spring from the bracket and pull downward to position length.

(b) To adjust, reposition bracket.

2.02 **Bail spring (42661M)** tension shall be min. 2 ozs., max. 3 ozs.

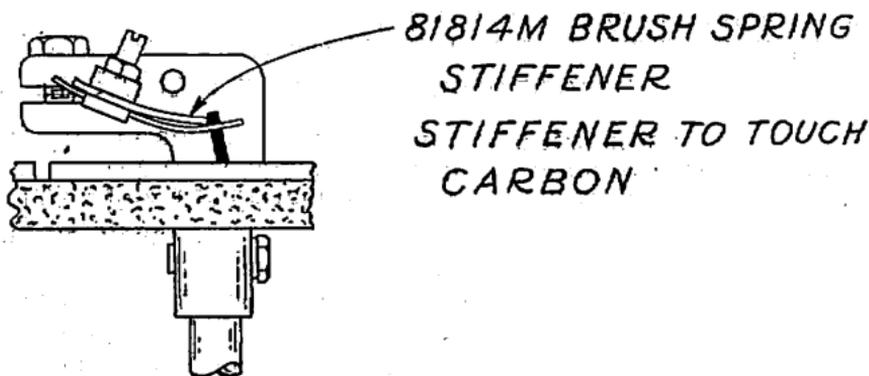
(a) To check, rest unit on its left side, unhook spring from the bail arm and pull upward to position length.

2.03 **Main shaft clutch torque:** A pull of 36 ozs. shall move the cam in a direction opposite to normal rotation and a pull of 32 ozs. shall not move the cam under conditions outlined in P36.631.

2.04 **Brush stiffeners:** The brush stiffeners shall be clamped in the brush holder directly on top of the carbon brushes with their ends against the carbon projections on the top of the brushes. The brush stiffeners shall be straight and flat before being clamped over the brushes. (See Fig. 1.)

The provision of the stiffeners will not change the other requirements covered in the P Section covering requirements and procedures for No. 14 station type transmitter-distributors.

Note: In some cases it may be necessary to scrape solder away from the carbon projections so that the stiffeners will properly butt against them.



**Fig. 1**