

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

**ADDENDUM P40.610**  
**Issue 1, November, 1944**  
**AT&T Co Standard**

## **TELETYPEWRITER — TYPING UNIT**

### **26 TYPE**

### **REQUIREMENTS AND PROCEDURES**

#### **1. GENERAL**

1.01 This addendum supplements Section P40.610, Issue 4 outlining requirements and procedures for the maintenance of the 26 type typing unit.

1.02 This addendum is issued to:

- (1) Provide information and procedures regarding the use of 105186M spring tool in checking the platen pressure springs.
- (2) Provide procedures for changing type pallets.

1.03 Paragraph 4.79 of Section P40.610, Issue 4 is replaced by Paragraph 4.79 of Addendum P40.610, Issue 1. Paragraph 5 is added.

#### **4. REQUIREMENTS AND PROCEDURES**

4.79 (a) **Platen pressure roller springs** of the platen assemblies shall be checked for tension with the 105186M spring tool when there is reason to believe that the springs are not exerting sufficient pressure to hold the paper.

(b) **To check pressure of platen roller springs with 105186M tool** position the carriage so that one of the 7599M pressure springs lines up with the printing bail pivot screw. Insert the cut-out end of the 105186M spring tool with the sides of the channel pointing upward, under the spring and the opposite end on the printing bail pivot screw. Apply a 12-pound scale at the small hole with the hook under the entire width of the channel so that tilting of the channel is avoided and pull vertically upward, holding the tool in contact with the

pivot screw by a finger applied directly over the pivot screw, exerting only sufficient pressure to insure holding the tool lightly in contact with the screw. Under these conditions it shall require a tension of 3-1/2 to 4-1/2 pounds to start the tool moving. Check each spring.

## 5. CHANGING TYPE PALLETS

### 5.01 To Replace Individual Type Pallets

(a) Rotate the typewheel to position the type pallet to be removed toward the front of the teletypewriter. Carefully pull out the type pallet to be changed, slowly stretching the garter spring only enough to allow the pallet to be disengaged from the spring. (It is important not to stretch the spring more than is absolutely necessary.) By means of the 138-22M screw-driver inserted beside the type pallet as it is being removed, keep the spring in its stretched position so that the replacing pallet may be hooked over the spring more easily. Then allow the spring to return to its normal position, and arrange the pallets so that they are properly seated.

(b) For pallets located within four or five positions of the ends of the spring, the above procedure may stretch the spring too much. For these cases it may be easier to remove the typewheel from the machine to do the work. The garter spring should then be unhooked from the post and held by a light cord or thread and allowed to recede sufficiently to take out all pallets up to and including the one desired. Then replace the pallets in the proper order, placing each pallet over the spring or thread as it is put into its slot. Then hook the spring in place.

5.02 **To Change a Considerable Number of Upper-Case Type Pallets**—remove the typewheel and, by removing the small screws, take off the retaining plate on the under side of the typewheel. The typewheel should be turned upside down for doing this. Then take out those upper-case pallets, which it is desired to replace, by just lifting them upward out of their slots. The new pallets may be put in place easily one by one in their respective slots. This requires no stretching of the spring. Replace the retaining cover.

### 5.03 To Replace the Type Pallet Retaining Garter Springs

(a) Remove the retaining plate as previously described and all the upper-case type pallets, keeping them in order. If the spring to be replaced is that for the upper-case characters, the older spring may be removed and the new spring hooked in place. The type pallets may then be returned to their slots.

(b) If the garter spring for the lower-case characters is to be replaced, it will be necessary to remove the upper-case pallets, both garter springs, and the lower-case pallets, keeping the pallets in proper order. One new garter spring should then be hooked in place in the groove for the upper-case characters. The lower-case pallets should then be put in place, and a narrow strip of Scotch tape or friction tape wound around the pallets to hold them in place. The pallets should be covered by the tape only to the middle of the typewheel, so that the garter spring just installed is not covered. This spring then should be pushed over into the groove for the lower-case characters where it will hold these characters properly. The tape may then be removed. Install the other garter spring in the same manner as the first one was installed and place the upper-case pallets in their proper slots. Replace the retainer plate with its mounting screws.