

BELL SYSTEM PRACTICES
Teletypewriter Stations

SECTION P36.466
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AT&TCo Standard

15 TELETYPEWRITER

INSTALLATION OF

TP90249 TABULATION INDICATOR

SCALE AND INDICATOR

1. GENERAL

1.01 This section describes the method of installing the TP90249 tabulation indicator scale and indicator parts on the 15 teletypewriter.

1.02 This section is reissued to remove references to old parts numbers, to list the new TP parts numbers and names where necessary, to transfer the requirements and adjusting procedures to Section P36.615, and to change the title of this practice accordingly. Because of the extensive changes made, marginal arrows have been omitted.

1.03 The TP90249 set of parts facilitates the transmission of tabular matter, from the 15 typing unit already equipped with tabulating mechanism, by providing a scale and indicator for the guidance of the operator. After installation, the scale should be located under the lower edge of the cover glass, and the indicator should be attached to the left-hand ribbon-spool bracket.

2. LIST OF PARTS

2.01 The following items are included in the TP90249 set of parts:

<u>Part No.</u>	<u>Description</u>	<u>Quantity</u>
TP2191	Lockwasher	2
TP7002	Flat washer	2
TP76275	Screw plate	1
TP80444	Screw (6-40 × 1/4 Hex.)	2
TP90250	Indicator bracket	1
TP90251	Indicator	1
TP90252	Scale	1
TP122208	Flat washer	1

3. METHOD OF INSTALLATION

A. Installation of the Etched Scale on the 15 Cover

3.01 Remove the lower clamping-screws from both the right-hand and left-hand glass rails and fastening strips. Turn each fastening strip outward slightly so that the scale can be placed directly against the inside of the front hinged section of the cover.

3.02 Place the etched scale against the inside of the front hinged section with the etched face toward the glass. Hold the two ends flat against the cover and check to see that the scale is flush against the cover throughout its entire length. If necessary, bend the scale carefully and evenly over its entire length to secure this condition. Locate the scale centrally between the clamping-screw holes with the bottom edge of the scale against the hinged strip.

3.03 Hold the scale in place as specified in 3.02, and move the fastening strips into place with the ends of the scale between the strips and the cover. Replace the clamping screws.

B. Installation of Indicator Bracket on the 15 Teletypewriter Type Basket Having the Nonyield-type Ribbon-reverse Arm

3.04 Remove the ribbon spool from the left-hand ribbon-spool container.

3.05 Disassemble the left-hand ribbon-spool container, gear, shaft, sleeve bearing (bushing), washer, and hexagonal nut. Discard the washer.

3.06 Reassemble the parts referred to in 3.05 in the reverse order of their removal and using the TP122208 washer and the indicator bracket furnished with the TP90249 set of parts. Assemble so that the washer is next to the ribbon-spool container, and the indicator bracket is on top of the spool bracket, with the vertical extension of the indicator bracket toward the front of the cover and extending upward. Tighten the hexagonal nut slightly. Final tightening is made after adjustment.

C. Installation of Indicator Bracket on the 15 Teletypewriter Type Basket Having the Yield-type Ribbon-reverse Arm

3.07 Remove the ribbon spool from the left-hand ribbon-spool container.

3.08 Disassemble the left-hand ribbon-spool container, gear, shaft, sleeve bearing (bushing), backstop, and hexagonal nut.

3.09 Reassemble the parts referred to in 3.08 in the reverse order of their removal and include the indicator bracket furnished with the TP90249 set of parts. Assemble so that the backstop is next to the ribbon-spool container, and the indicator bracket is between the backstop and the spool bracket, with the vertical extension of the indicator bracket toward the front of the carriage and extending upward. Tighten the hexagonal nut slightly. Final tightening is made after adjustment.

3.10 Discard the TP122208 washer furnished with the TP90249 set of parts.

D. Installation of Indicator on Indicator Bracket

3.11 Assemble the indicator (pointer) between the rear face of the vertical extension of the indicator bracket and the screw plate by means of the two mounting screws, lockwashers, and TP7002 flat washers. (One of the lockwashers should be placed between each mounting screw and flat washer, with the flat washer next to the front face of the indicator bracket.) Position the indicator so that it is **directly in line** with one of the graduations marked on the scale. Tighten the mounting screws slightly. Final tightening is made after adjustment.

3.12 Reinsert the ribbon spool in the left-hand ribbon-spool container.

4. BSP REFERENCES

4.01 The following Bell System Practices provide associated information which may be required in connection with this section.

<u>Subject</u>	<u>Section</u>
Cleaning	P30.010
General Requirements	P30.012
Lubrication	P36.601
Preparation of Apparatus for Installation	P33.014
Requirements and Procedures: Auxiliary Features	P36.615
Tools and Maintenance Supplies	P30.301