

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

SECTION P35.802
Issue 1, January, 1937
AT&T Co. Standard

14-TYPE APPARATUS

IMPROVEMENTS AND CHANGES

1. GENERAL

1.01 This section lists improvements and changes in 14-type apparatus which have recently become available. The points involved are listed below and are also discussed individually.

1.02 **For 14-Type Teletypewriters:**

Tape illuminator for operators' teletypewriters.

Push tape feed for operators' teletypewriters.

New tape chute for operators' teletypewriters.

Tape guide tube with flared end.

Device to reduce peak distortion of keyboards. (See B.S.P. Section P36.802.)

Change in synchronous motors. (See B.S.P. Section P36.802.)

Loose fit of 18-type resistances in friction type mountings. (See B.S.P. Section P36.802.)

Steel springs for 18-type connecting blocks. (See B.S.P. Section P36.802.)

1.03 **For 14-Type Transmitter Distributors:**

Improved tape stop arm.

2. 14-TYPE TELETYPEWRITERS

2.01 **Tape Illuminator for Operators' Teletypewriters.** On all 82697 tape illuminator assemblies manufactured in the future the 82694 Housing Guard on the left of the tape illuminator will be replaced by a new guard having the vertical portion 1-1/4" high instead of 5/16". This change is made to prevent light issuing to the left of the illuminator. The new guard, which has been assigned the catalog No. 87854 Housing Guard, is readily interchangeable with the old guard.

2.02 Push Tape Feed for Operators' Teletypewriters. A tape feeding mechanism is now available which consists of a push feed arrangement in which the feed wheel which bears against the platen is located on the right side of the platen rather than on the left side so that the message may be read practically up to the printing point. The push feed mechanism will be supplied on all operators' teletypewriters manufactured in the future. The parts required to convert from the pull tape feed mechanism have been assigned the designation 87374 Parts for Push Feed Mechanism for 14-Type Teletypewriters.

2.03 New Tape Chute for Operators' Teletypewriters. A new tape chute is now available for use on operators' teletypewriters which differs from the old chute in that the left end is curved downward so as to guide the tape obliquely toward the teletypewriter shelf. The new curved tape chute mounts in exactly the same way as the straight tape chute heretofore furnished and is readily interchangeable with it. The new tape chute may be installed on an existing teletypewriter by calling for—

87005 Curved Tape Chute.

87007 Celluloid Cover.

2.04 New Tape Guide Tube. In order to facilitate threading of the teletypewriter tape in 14-type teletypewriters a new tape guide tube having a flared end at the entrance to the tube has been designed. The new tube will be incorporated in all 14-type teletypewriters manufactured in the future when the present stock of tape guide tubes has been exhausted. The catalog No. 90139 Tape Guide Tube has been assigned to the new part. It may be installed on an existing machine without disassembling the contact mechanism.

3. 14-TYPE TRANSMITTER DISTRIBUTORS

3.01 Improved Tape Stop Arm. In order to eliminate difficulty from breakage of the tape stop arm, especially in connection with services for the press, the arm has been redesigned and is now made of much heavier material and so arranged that its maximum movement in an upward direction permits it to be raised approximately to an angle of 45° with the horizontal.

The improved tape stop mechanism will be provided on all 14A, B, C, D, H, J, K, and L transmitter distributors manufactured in so far as can be done without delaying deliveries. Unless otherwise specified by the Telephone Company it will be applied only to machines repaired in the future by the Western Electric Company Distributing House shops when the assembly unit affected is dismantled for other reasons.

A set of parts to convert the old style mechanism to the new style has been assigned the catalog designation 89485 Set of Parts.