

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

SECTION P39.620
Issue 2, March, 1951
AT&T Co Standard

TELETYPEWRITER—KEYBOARD

20 TYPE

REQUIREMENTS AND PROCEDURES

1. GENERAL

1.01 This section covers the apparatus requirements and adjusting procedures for the maintenance of teletypewriter keyboards of the 20 type.

1.02 Refer to the section on Teletypewriters—General Requirements and Procedures for additional information necessary for the proper application of the requirements and procedures listed herein.

2. REQUIREMENTS AND PROCEDURES

2.01 Keyboards of the 20 type shall be adjusted in accordance with Section P36.620 (Iss. 3) covering the requirements and procedures for adjusting 15 type keyboards except for the modifications given in the following paragraphs.

*3.05 Substitute "4" and "y" for "R" and "Y" respectively.

*3.05A **(Add) Selector Bar Assembly Bracket Shims Adjustment (Fig. 1):** Adjust the height of the selector bar assembly by means of shims, so that when the "Q" key lever is fully depressed, all the other key levers will have some play between the leather upstop and the selector bars, and so there is some clearance, not more than .030", between the high portion of the front selector bar (A-1) and the key levers in line with the high portions.

*3.05B **(Add) Selector Bar Assembly Bracket Position:** Position the selector bar assembly bracket so that the lower ends of the locking levers are fully engaged with the locking lever forks, and so that there is some clearance between the sides of the locking bars and the adjacent selector bars. The selector bar assembly bracket should be parallel to the rear key lever guide.

* (Numbers of par. refer to Section P36.620.)

*3.13 (Replaces) Trip off pawl stop plate shall be positioned so that the trip off pawl clears the intermediate pawl by Min. .070", Max. .080" as in Fig. 1 when the trip off pawl is resting on its stop plate, and when the intermediate pawl eccentric is positioned with the high part of the eccentric toward the front and its screwdriver slot is horizontal.

Note: Horizontal position of slot is a preliminary adjustment, to be modified as subsequently called for.

*3.13A (Add) Universal bar shall have end play not to exceed .008" when the trip off pawl extension is approximately midway between adjacent key levers and shall clear the bottom of the key levers by Min. .060", Max. .080" as in Fig. 1 when the levers are in their normal unoperated position.

(a) Adjust end play by shifting bearing brackets keeping the brackets in their rearmost position (toward the selector bars), parallel to the front edge of the selector bar assembly bracket.

(b) Adjust clearance by adding or removing shims under universal bar bearing brackets.

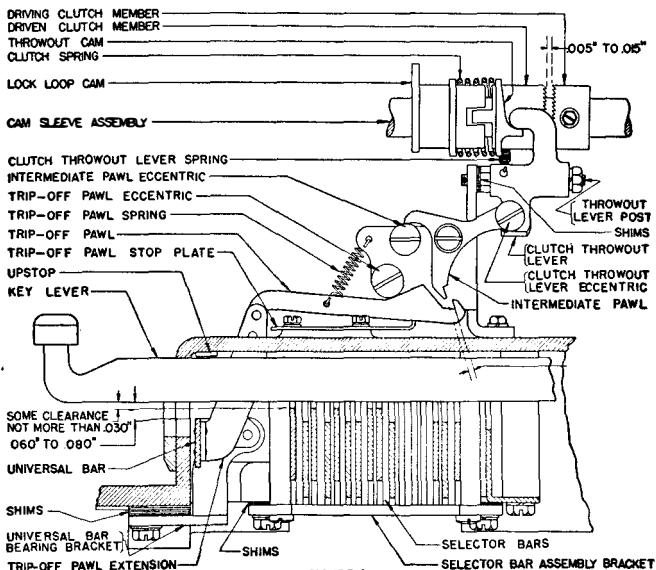


FIGURE 1