CHANGES AND ADDITIONS TO BULLETIN 141 (ISSUE 3) DESCRIPTION AND ADJUSTMENTS TRANSMITTER DISTRIBUTOR

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A. CARBON BRUSH ADJUSTMENT (Figure 27)

Replace the last three sentences of Paragraph (a) with the following:

"The brushes should also remain within the edges of the rings throughout a complete revolution of the main shaft. To meet the first requirement, loosen the brush spring clamp screw and position the brushes. Tighten the clamp screw so that the brush springs are friction tight. To meet the second requirement, loosen the brush holder clamp screw and position the brush holder, or utilize the play of the brush springs in their slots, to position the springs sideways. Tighten both clamp screws."

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ADJUSTMENTS OF BELL-ON-BLANK SIGNAL MECHANISM

The following adjustments apply to XD97 and XD98 and should be substituted for the CONTACT ADJUSTMENTS (Figure 32) - Page 15 in Bulletin 141 when these units are involved:

The bell on blank mechanism used on XD97 and 98 differs from that used on XD72, 84 and 96 by having a separate pair of contacts for the release magnet circuit which permits the release magnet to be used on either A.C. or D.C.

All adjustments for the bell-on-blank mechanism of XD72, 84 and 96 apply to XD97 and 98 except the bell-on-blank contact adjustments which should be made in accordance with the following:

BELL-ON-BLANK CONTACT ADJUSTMENTS (Figure 32A)

(a) With #2 contact spring held away from the #4 contact spring, the insulator on #4 contact spring should rest against the finger on the contact operating lever with a very slight amount of tension. To adjust, bend the #4 contact spring.

(b) There should be a contact gap of .010" to .015" between the contact points of #3 and #4 contact springs. To adjust, bend the contact stiffener associated with #3 contact spring.

(c) Apply the push end of an 8 oz. scale to #3 contact spring near the contact point. It should require 2 to 4 ozs. to start the contact spring moving away from its stiffener. To adjust, bend the #3 contact spring.

(d) The insulator of #2 contact spring should rest against the insulator of #4 contact spring with a very slight amount of pressure. To adjust, bend the #2 contact spring.

(e) There should be a gap of .010" to .015" between the contact points of #1 and #2 contact springs. To adjust, bend the #1 contact spring stiffener.

(f) Apply the push end of an 8 oz. scale to the #1 contact spring near the contact point. It should require 2 to 4 ozs. to start the contact spring moving away from its stiffener. To adjust, bend the #1 contact spring.

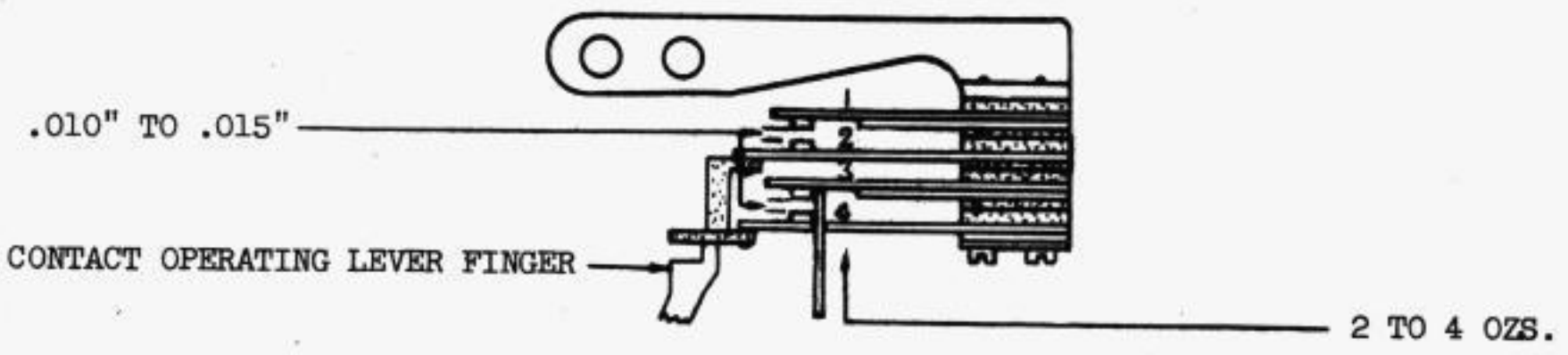

FIGURE 32A