

## TP195016 FUNCTION PAWL

*APPARATUS AFFECTED:* 28AB, 28AC Typing Units; TP178343 Modification Kit.

*OBJECT:* To provide a function pawl with an adjustable stud to operate the answerback contact in order to meet critical timing requirements.

*CHANGE:* The design of the one-piece pawl is changed to include a TP305687 stud mounted in a slot with a TP90791 washer and TP112627 nut.

The adjustment of the TP195016 function pawl stud used with the "figures" stuntbox contact associated with the answerback mechanism is as follows:

*Requirement:* Clearance between contact insulator and function lever stud should be Min. some — Max. 0.010 inch.

*To Check:* With stuntbox on typing unit and "letters" combination manually set up on typing unit selector, rotate typing unit main shaft until function lever is in extreme forward position toward the contact insulator ("letters" function bar *not* in selected condition).

*To Adjust:* Loosen adjusting stud mounting nut and move adjusting stud to meet requirement. Retighten mounting nut.

See Section 573-115-700, issue 5, par. 2.76, and Bulletin 217B, page 2-61, change 5, for old adjustment.

For location of parts, see Specifications 50,060S and 50,065S.

*IDENTIFICATION:* The old style pawl is one piece. The new style pawl has an adjustable contact operating stud.

*INTERCHANGEABILITY:* New and old style pawls are interchangeable.

*CLASSIFICATION FOR APPARATUS FURNISHED BY TELETYPE:* This change is now in effect.

*W.E.CO. STOCK OF OLD STYLE PARTS:* Shall not be used after new style pawls are available.

*APPLICATION TO APPARATUS IN THE FIELD:* Old style pawls giving satisfactory service need not be replaced.

*APPLICATION AT W.E.CO. DIST. HOUSE REPAIR SHOPS:* All units shall be equipped with new style pawls.

## TP33828 SPRING

*APPARATUS AFFECTED:* All 28-Type Typing Units.

*OBJECT:* To utilize the same vertical positioning lock lever springs on 28-type typing units that are used on 35-type units.

*CHANGE:* The TP76379 vertical positioning lock lever springs are changed to TP33828 springs. The *Vertical Positioning Lock Lever Spring Tension* requirement as shown in Bulletin 217B, page 1-42, change 4, and Section 573-115-700, par. 2.18, is changed from Min 2 oz, Max 4 oz to Min 5 oz, Max 8 oz.

For location of parts, see Bulletin 1149B, pages 3-15 and 3-17, change 9.

*IDENTIFICATION:*

The TP76379 spring has 40 turns of 0.016 inch wire. It is 0.946 inch long and the OD is 0.153 inch.

The TP33828 spring has 42 turns of 0.020 inch wire. It is 1.188 inch long and the OD is 0.180 inch.

*INTERCHANGEABILITY:* Old and new style springs are not individually interchangeable but are interchangeable in sets of two for the right and left side linkage mechanisms. New style springs should not be replaced by old style springs.

*CLASSIFICATION FOR APPARATUS FURNISHED BY TELETYPE:* This change is now in effect.

*W.E.CO. STOCK OF OLD STYLE PARTS:* May be used for other applications.

*APPLICATION TO APPARATUS IN THE FIELD:* Where desired, the new style springs may be incorporated.

*APPLICATION AT W.E.CO. DIST. HOUSE REPAIR SHOPS:* All units shall be equipped with new style springs and the new adjustment applied.

## TP192566 AND TP192567 SHIFT SLIDE DRIVE LINKS

*APPARATUS AFFECTED:* All 28 Typing Units, TP173881 Modification Kit.

*OBJECT:* To prevent bounce of the No. 3 codebar when shifting from "Letters" to "Figures" or "Figures" to "Letters" and reduce the possibility of an error being transferred to the code reading contacts where the TP173881 modification kit (50.069S) is used.

*CHANGE:* The old style TP153331 and TP153332 shift slide drive links are to be replaced by new style TP192566 and TP192567 links now used on the 35 typing unit. The new style links will be included in the TP173881 modification kit.

When the new style parts are used the *Horizontal Positioning Drive Linkage Adjustment* as shown in Bulletin 217B, page 1-48, change 5, and 573-115-700, paragraph 2.24 is changed from Min 0.015 Max 0.040 inch to Min 0.090 Max 0.110 inch (which is shown in Section 574-220-700, Issue 5, paragraph 2.33 for 35 typing units).

For location of parts see Bulletin 1149B, page 3-29, change 9 and Bulletin 1187B, page 4-21, change 1.

*IDENTIFICATION:* The vertical links (TP192574) of new style drive link assemblies (lower end fastens to TP150263 bail) are symmetrical and the edges between the rivet holes are parallel. On old style assemblies the edges are not parallel and one edge has a projection adjacent to the drive link hub when the Typing Unit is in the stop condition.

*INTERCHANGEABILITY:* New and old style links are interchangeable but the appropriate adjustments must be used.

*CLASSIFICATION FOR APPARATUS FURNISHED BY TELETYPE:* This change shall be made as soon as manufacturing conditions permit. The changes in the modification kit are now in effect. The changes in the typing unit are expected to be made about 1/65.

*W.E.CO. STOCK OF OLD STYLE PARTS:* May be used for units not equipped with code reading contacts.

*APPLICATION TO APPARATUS IN THE FIELD:* Units equipped with the TP173881 modification kit should have the new style links installed.

*APPLICATION AT W.E.CO. DIST. HOUSE REPAIR SHOPS:* All units equipped with the TP173881 modification kit shall be equipped with the new style links as soon as the parts can be obtained from Teletype. Units not equipped with code reading contacts may be equipped with new or old style links.

## CARRIAGE RETURN SPRING ADJUSTMENT

*APPARATUS AFFECTED:* All 28- and 35-Type Typing Units.

*OBJECT:* To standardize the "Carriage Return Spring Tension" requirement for both 28- and 35-type typing units.

*CHANGE:* The *Carriage Return Spring Tension* requirement as shown in Section 573-115-700, issue 5, page 40, and Section 574-220-700, issue 5, page 46, is changed to read:

With the spacing drum in its returned position and the printing bail in its extreme lower position, hold the spacing pawls, the buffer slide and the carriage return latch so that they do not interfere with the spacing drum. Remove the lower cable tension spring. Apply the pull end of a 4 lb. scale to the ratchet drum teeth and pull tangent to the drum. It shall require min. 3-1/2 lbs., max. 4 lbs. to start the spring drum moving.

*INTERCHANGEABILITY:* Not affected.

*CLASSIFICATION FOR APPARATUS FURNISHED BY TELETYPE:* This change is now in effect.

*APPLICATION TO APPARATUS IN THE FIELD:* The new adjustment may be used.

*APPLICATION AT W.E.CO. DIST. HOUSE REPAIR SHOPS:* The new adjustment shall be used.

**TP155939 SLIDE**

*APPARATUS AFFECTED:* All 28-Type Typing Units with shift mechanisms.

*OBJECT:* To reduce breakage of shift slides in service.

*CHANGE:* 1. The following information is to be added in Section 573-115-700, issue 5, par. 2.20A.

NOTE 1: If the function reset bail blade is repositioned, check the adjustment of the shift slide operating mechanism given in the following paragraph.

2. The following information is to be added in Section 573-115-700, issue 5, par. 2.21.

NOTE 1: There shall be some clearance between the unoperated shift slide and its guide plate when the operated shift slide has reached its position of maximum travel.

3. The TP155939 slide is changed from a nickel-plated finish to a black oxide finish. For location of part, see Bulletin 1149B, page 3-48, change 9.

*IDENTIFICATION:* See "CHANGE."

*INTERCHANGEABILITY:* Not affected by change in adjustment information. New and old style TP155939 slides are interchangeable.

*CLASSIFICATION FOR APPARATUS FURNISHED BY TELETYPE:* This change is now in effect.

*W.E.CO. STOCK OF OLD STYLE PARTS:* May be used.

*APPLICATION TO APPARATUS IN THE FIELD:* The adjustment changes should be applied. Old style slides giving satisfactory service need not be replaced.

*APPLICATION AT W.E.CO. DIST. HOUSE REPAIR SHOPS:* The adjustment changes shall be applied. Units may be equipped with new or old style slides.

## FUNCTION CONTACT ADJUSTMENT

*APPARATUS AFFECTED:* All 28-Type Typing Units and Sequence Selectors and all 35-Type Typing Units.

*OBJECT:* To assure proper operation of the front stuntbox contact when the function lever operates the contact arm.

*CHANGE:* The function contact requirement (2) as shown in Section 573-115-700, issue 5, page 68; Section 573-132-700, issue 3, page 24; and Section 574-220-700, issue 4, page 64 is changed from "not less than 0.008 inch" to min. 0.008 inch, max. 0.028 inch clearance between the formed-over end of the front contact clip and the bottom of the contact arm when the rear contact is closed.

*CLASSIFICATION FOR APPARATUS FURNISHED BY TELETYPE:* This change is now in effect.

*APPLICATION TO APPARATUS IN THE FIELD:* The new requirement should be used.

*APPLICATION AT W.E.CO. DIST. HOUSE REPAIR SHOPS:* The new requirement shall be used.