

INSTRUCTIONS FOR INSTALLING THE 102896 SET OF PARTS ON A  
MODEL 15 PERFORATOR TRANSMITTER TO PROVIDE POSITIVE  
ACTION PERFORATING FEATURE

1. GENERAL

a. The 102896 set of parts should be installed only on Model 15 perforator transmitter which are equipped with tape perforating and feeding mechanism of improved design in which the feed pawl is mounted on an intermediate lever (rather than directly on the magnet armature lever) such as is provided by the 99037 set of parts. It should also be equipped with the improved (frictionless) repeat space-cut-out mechanism such as is provided by the 94494 set of parts.

b. The purpose of 102896 set of parts is to provide a punch contact operating structure which will prevent a partial perforation of the code combination in the tape when a key lever is struck a staccato below.

c. When the 102896 set of parts is installed on a 15D or 15E perforator transmitter (no Teletype code number), the unit becomes a 15J35 or 15K35 perforator transmitter, respectively. When these parts are installed on a 15F perforator transmitter (Teletype PEX19), the unit becomes a 15L35 perforator transmitter (Teletype PEX203CA).

d. The 102896 set of parts consists of the following:

2 ✓	125215	Screw
1 ✓	110437	Spring
2 ✓	2191	Lock Washer
2 ✓	3606	Nut
1 ✓	4810	Wick
2 ✓	55005-C	Washer
2 ✓	90951	Lock Washer
1 ✓	91096	Spring
1 ✓	99988	Connecting Link Ext. (Assem.)
1 ✓	99989	Connecting Link Ext. (Assem.)*
1 ✓	102883	Contact and Latch Assembly
1 ✓	102890	Armature
2 ✓	102892	Adjusting Screw
1 ✓	102893	Spring Plate
1 ✓	102894	Spring Bracket
1 ✓	102895	Contact Operating Lever
1 ✓	118905	Spring
*1 ✓	120451	Code Plate - Unstamped

e. For the part numbers referred to in the following text which are not included in the foregoing list refer to Teletype Model 15 Perforator Transmitter Parts Bulletin.

2. INSTALLATION

a. To install the 102896 set of parts, proceed as follows:

✓ (1) Remove and discard the 91570 punch contact assembly. Retain the two 1026 mounting screws and 2191 lock washer. Discard the 7002 washers if present.

- ✓ (2) Remove and discard the 97641 armature. Retain the two 84082 screws and 2191 lock washers.
- ✓ (3) Remove and discard the 91550 contact operating lever with its associated 83361 link extension and 91577 spring.
- ✓ (4) Remove the two 1169 mounting screws for the 91543 adjustable key pressure mechanism bracket, discard the two 2191 lock washers and install in their place the 102894 spring bracket. The arm to which the spring is attached should extend toward the front along the left side of the bracket.
- ✓ (5) Assemble the two 102892 adjusting screws and the 102893 spring plate to the 102890 armature as follows:
  - ✓ (a) Place the 102893 spring plate on top of the armature top plate with the large body coinciding with the two tapped holes and the small spring mounting hole extending over the end of the armature assembly.
  - ✓ (b) Place a 3606 nut and a 2191 lock washer on one of the 102892 screws (in the order named) and insert the screw through the center hole in the 102893 spring plate into the end (rear) tapped hole in the armature top plate. The small spring hole in the 102893 plate should extend over the rear end of the armature assembly.
  - ✓ (c) Insert the second 102892 screw in the remaining tapped hole from the bottom of the armature assembly, that is, with the head of the screw adjacent to the laminated portion of the assembly. Assemble to this screw, on top of the spring plate a 2191 lock washer and a 3606 nut.
- ✓ (6) Install the armature assembly just completed in par. (5) in place of the 97641 armature removed in (2) above using the 84082 screws and 2191 lock washers previously used to mount the 97641 armature.
- ✓ (7) Mount the 102882 punch contact and latch assembly in place of the assembly removed in (1) above. Use the 1026 screws and 2191 lock washers used to mount the previous assembly.
- ✓ (8) Install the new 102895 contact operating lever in the place of the parts removed in (3) above.
- ✓ (9) Assemble the 99988 and 99989 extension links together so that the straight 99988 link is in front and extending toward the left and the angle 99989 link is in the rear and extending toward the right with the adjusting prong of both links downward. Clamp together using two each of 55005-C washers, 90951 lock washers and 125215 screws.
- ✓ (10) Install the 91096 spring and the link assembly just made in (9) in the place of 83361 link and 91577 spring removed in (3) above.
- ✓ (11) Attach the 110437 spring between the latch on the punch contact and latch assembly and the spring plate installed in (4) above.
- ✓ (12) Insert the 4810 wick into the 118905 spring. Attach the 118905 spring between the anti-chatter lever and the 102893 spring plate on the armature assembly. Saturate the wick with oil.

\* (13) Remove and discard the Bell System apparatus code name plate and install the 120451 unstamped code plate furnished with the set of parts. The proper code to be stamped on the plate may be determined from the following tabulation:

<u>Code on Plate Removed</u>	<u>Code to be Stamped</u>
15D	15J35
15E	15K35
15F	15L35

\*Indicates change

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