

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

**SECTION P31.120**  
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**TABLES USED WITH**  
**81C1 TELETYPEWRITER**  
**SWITCHING SYSTEM**  
**INSTALLATION AND ADJUSTMENT OF**  
**CERTAIN PARTS**  
**115B, C, AND H DOORS (PAPER SUPPLY**  
**COVER)**  
**119B DOOR (LEFT AND RIGHT REAR PANEL)**  
**115D DOOR (REAR PANEL)**

**1. GENERAL**

1.01 This section gives the installation and adjustment of certain covers and rear panels for tables used with the 81C1 teletypewriter switching system.

**Instructions for Installing and Adjusting the 115720\*\*M Paper Supply Cover on Model 15 Receiving Only Table**

1.02 The 115720\*\*M paper supply cover is also designated the 115B, 115C and 115H door. It is designed for use with the Model 15 receiving only tables, coded 115A, 115C, and 115D tables used with the No. 15 sprocket feed teletypewriter. The paper supply cover closes the opening at the rear of the table and shields the form paper in its travel between the paper shelf in the table and the teletypewriter cover.

1.03 The double asterisk (\*\*) represents a two-letter suffix which designates the paint finish. The following standard wrinkle finishes are now available:

- AA—Black
- AB—Gray-Green
- AC—Light-Brown
- AD—Dark-Brown

Corresponding designations apply to the finished components of the 115720\*\*M paper supply cover.

1.04 The following have been renumbered to fit into the new finish designating system:

<u>Old Number</u>	<u>New Number</u>
102097	115720AD
102524	102523AD
102527	118102AD
102525	118103AD

1.05 The 115720\*\*M paper supply cover consists of the following parts:

1	102523**M	Cover Finished
1	118102**M	Hinge (Assembled)
1	102536M	Strip
5	123-244	Washer
5	2191M	Lock Washer
5	6345M	Nut
2	2663M	Rubber Buffer
2	89535M	Felt Buffer
2	34-48	Nut 6-32
1	102534M	Bracket
2	7002M	Washer
2	2191M	Lock Washer
2	6345M	Nut
1	102539M	Spring Catch and Strike Plate
2	93191M	Screw 4-40
2	200-1348	Washer
2	3640M	Lock Washer
2	3599M	Nut
1	118103**M	Shelf
1	101884M	Name Plate
4	102127M	Screw
4	34-11	Nut

1.06 The following parts are contained in the muslin bag which is attached to the cover:

1	102539M	Strike Plate
2	94221	Screw
2	200-1348	Washer
2	34-56	Nut

1.07 Remove the 102528 strip from the inside left rear of the table (viewed from rear) by removing the five mounting screw nuts and washers.

1.08 Mount the parts of the cover in the following order:

- (1) The 102536 Strip
- (2) The 102528 Strip (Narrow side under hinge)
- (3) The 118102\*\* Hinge Assembly with Cover
- (4) The 123-244 Washer
- (5) The 6345 Nut

1.09 Adjust the 118102\*\* hinge assembly with the cover upward by loosening the mounting screw nuts on the table and positioning the hinge vertically until the cover clears the 80420 cover paper guide on the cover of the 15 printer and so that there is approximately 3/16-inch clearance between the 80420 cover plate guide and the top of the cover.

1.10 Adjust the cover with relation to the hinge until there is equal clearance (approximately 1/32 inch) between the left edge of the cover and the rear wall of the table. Adjust by loosening the nuts of the five mounting screws on the cover and retighten the nuts.

1.11 Adjust the 89535 felt buffers until there is approximately 1/32-inch clearance between the right edge of the cover when closed and the rear wall of the table.

1.12 With the 102529 strip mounted on the table with strike plate opening toward top, install the 102539 strike plate on the inside surface of the 102529 strip using the 94221 screws, 200-1348 washers, and 34-56 nuts provided.

1.13 Adjust the 102529 strip horizontally by loosening the three mounting screw nuts on the right rear inside wall of the table and positioning the strip until there is approximately 1/32-inch clearance between the strike plate and the catch plate mounted on the cover. Retighten the nuts.

1.14 Adjust the 102539 spring catch vertically for alignment with the hole in the strike plate by loosening the mounting screw nuts of the 102534 bracket located on the inside of the cover and positioning the bracket vertically. Retighten the nuts.

1.15 Adjust the 102539 spring catch horizontally on the 102534 bracket by loosening the 93191 mounting screw and positioning the catch until the cover is held firmly against the felt stops when it is closed.

1.16 The 118103\*\* paper box shelf is placed in position by hooking the flange end in the bracket provided on the inside of the table and resting the other end of the bottom of the opening in the back side of the table.

**INSTRUCTIONS FOR INSTALLING AND ADJUSTING  
THE 115718\*\*M LEFT REAR PANEL AND THE  
115717\*\*M RIGHT REAR PANEL ON THE MODEL 19  
TABLE WHEN USED WITH SPROCKET FEED  
TELETYPEWRITER**

1.17 The 115717\*\*M right rear panel and the 115718\*\*M left rear panel are coded the 119B door right and left portion—viewed from the rear. They are required on the Model 19 table when used with sprocket feed teletypewriter. The double asterisk (\*\*) represents a two-letter suffix which designates the paint finish. The following four standard wrinkle finishes are now available.

AA — Black	AC — Light-Brown
AB — Gray-Green	AD — Dark-Brown

Corresponding designations apply to the finished components of the 115720\*\*M paper supply cover.

1.18 The following have been renumbered to fit into the new finish designating system:

<u>Old Number</u>	<u>New Number</u>
103069	115718AD
103046	103044AD
103067	103066AD
103065	115717AD
103047	103045AD

1.19 The 115718\*\*M left rear panel consists of the following parts:

1	103044**M	Rear Panel—Left
2	90935M	Stud
4	3438M	Washer
2	2382M	Lock Washer
2	34-58	Nut
2	103064M	Ring Catch
4	102755M	Screw
4	7002M	Washer
4	2191M	Lock Washer
4	3598M	Nut
1	103066**M	Form Cover
1	118102M	Hinge (Assem.)
10	7002M	Washer
10	2191M	Lock Washer
10	6345M	Nut
1	103068M	Strip
3	7002M	Washer

3	2191M	Lock Washer
3	6345M	Nut
1	102534M	Bracket
2	7002M	Washer
2	2191M	Lock Washer
2	6345M	Nut
1	102539M	Spring Catch with Strike Plate
2	93191M	Screw
2	94221M	Screw
4	200-1348	Washer
2	3640M	Lock Washer
2	3599M	Nut
2	34-56	Nut
2	2663M	Rubber Buffer
2	89535M	Felt Buffer
2	34-38	Nut

1.20 The following parts are contained in the muslin bag which is attached to the ring catch:

2	101862	Guide Rail
4	6746	Screw
4	2191	Lock Washer
4	3598	Nut
2	103450	Stud
2	7002	Washer
2	2191	Lock Washer
2	3598	Nut

1.21 The 115717\*\*M right rear panel consists of the following parts:

1	103045**	Rear Panel—Right
2	90935	Stud
4	3438	Washer
2	2382	Lock Washer
2	34-58	Nut
2	103064	Ring Catch
4	102755	Screw
4	7002	Washer
4	2191	Lock Washer
4	3598	Nut

1.22 The following parts are contained in the muslin bag, which is attached to the ring catch:

2	103450	Stud
2	7002	Washer
2	2191	Lock Washer
2	3598	Nut

1.23 Insert the 103450 studs in the slots of the formed edge at the top of the table just above the rear opening. Mount them so that the heads of the studs project downward, and use the 7002 washers, 2191 lock washers, and 3598 nuts to fasten them in place.

1.24 When the ring of the 103064 ring catch is in the operated position, away from the panel, the strike should be flush with the top edge of the panel. Loosen the two 102755 catch mounting screws and adjust by means of the elongated mounting holes. Retighten the mounting screws.

1.25 Loosen the 34-58 nut on the 90935 stud on the bottom rail of the 103044\*\* panel, and position the studs in the mounting holes, away from the panel, until the studs align with the holes in the rear shelf of the table.

1.26 Adjust for a minimum gap between the top of the panel and the top of the opening in the table, that will permit easy insertion and removal of the panel from the table, by removing the 34-58 nuts from the 90935 stud, and changing the number 3438 washers between the stud and the lower side of the bottom rail of the panel. Replace the extra 3438 washers on top of the rail, and replace the 2382 lock washer and the 34-58 nut. Recheck adjustment b.

1.27 In case the strikes, of the 103064 ring catches, do not align with the holes provided in the table, adjust the 90935 sideways until the strikes are in alignment with their holes.

**Note: Paragraphs 1.28 to 1.34 apply only to the installation of the left rear panel (115718\*\*M).**

1.28 Adjust the 103066\*\* cover upward until it clears the 80420 cover paper guide on the cover of the 15 printer by loosening the mounting screw nuts on the panel and positioning the hinge vertically until there is approximately 3/16-inch clearance between the 80420 cover plate guide and the top of the 103066\*\* cover.

1.29 Adjust the 103066\*\* cover until there is equal clearance approximately 1/32 inch between the left edge of the cover and the rear wall of the table. Adjust by loosening the nuts of the five mounting screws on the cover. Position the hinge, and retighten the nuts.

1.30 Adjust the 89535 felt buffers until there is approximately 1/32-inch clearance between the right edge of the 103066\*\* cover when closed and the rear panel.

1.31 Adjust the 103068 strip horizontally by loosening the three mounting screw nuts on the right rear inside panel of the table and positioning the strip until there is

approximately 1/32-inch clearance between the strike plate and the catch plate mounted on the cover. Retighten the nuts.

1.32 Adjust the 102539 spring catch vertically for alignment with the hole in the strike plate by loosening the mounting screw nuts of the 102534 bracket located on the inside of the cover, and positioning the bracket vertically. Retighten the nuts.

1.33 Adjust the 102539 spring catch horizontally, on the 102534 bracket, by loosening the 93191 mounting screw, and positioning the catch until the cover is held firmly against the felt stops when it is closed.

1.34 Install the two 101862 guide rails on the shelf of the table using the 6746 screws, 2191 lock washers and 3598 nuts provided. The right guide rail, when viewed from the rear, mounts in the left front and rear mounting holes, for the two right shock mounts, on the Model 19 tables. The two guide rails mount with the horizontal portion away from the paper box.

1.35 Position the studs (which are installed in Paragraph 1.23) in the slots at the top of the table opening so that the latches hold the panel firmly against the studs.

#### **INSTRUCTIONS FOR INSTALLING AND ADJUSTING THE 115734\*\*M REAR PANEL ASSEMBLY ON ALL METAL 115B TABLE**

1.36 The 115736\*\*M rear panel is coded the 115D door. This door is designed to cover the opening at the rear of the all metal 115B table when a friction feed Model 15 teletypewriter is used with the table.

1.37 The double asterisk (\*\*) in the above code designates a two-letter suffix which indicates the paint finish. The following four standard wrinkle finishes are now available:

AA — Black	AC — Light-Brown
AB — Gray-Green	AD — Dark-Brown

Corresponding designations apply to the finished components of the rear panel assembly.

1.38 The following have been renumbered to fit into the new finish designating system:

<u>Old Number</u>	<u>New Number</u>
103449	115734AD
103448	103447AD

1.39 The 115734\*\* rear panel assembly consists of the following:

1	103447**	Rear Panel including:
2	90935	Stud
4	3438	Washer
2	2382	Lock Washer
2	34-58	Nut
2	103064	Ring Catch
4	102755	Screw
4	7002	Washer
4	2191	Lock Washer
4	3598	Nut

1.40 The following parts are contained in the muslin bag which is attached to the panel:

2	103450	Stud
2	7002	Washer
2	2191	Lock Washer
2	3598	Nut

1.41 Insert the 103450 studs in the slots of the formed edge at the top of the table just above the rear opening. Mount them so that the heads of the studs project downward, and use the 7002 washers, 2191 lock washers, and 3598 nuts to fasten them in place.

1.42 When the ring of the 103064 latch is in the operated position (away from the panel), the top of the latch bar should be flush with the top edge of the panel. Loosen the two latch mounting screws and adjust the position of the latch by means of the elongated mounting holes. Retighten the mounting screws.

1.43 Position the locating studs in the bottom of the panel so that they line up with the holes in the rear shelf of the table.

1.44 Adjust for minimum gap between the top of the panel and the top of the opening in the table by using the proper number of washers between the locating studs and the lower surface of the bottom rail on the panel. Store the extra washers (if any) on the top side of the rail under the lock washer and nut. Recheck adjustment c.

1.45 In case the latch bars do not align with the slots provided in the table, adjust the locating studs in the bottom of the panel sideways until the latch bars are in alignment with their slots.

1.46 Position the studs which were previously installed in the slots at the top of the table opening so that the latches hold the panel firmly against the studs.