

## INSTRUCTIONS FOR INSTALLING THE 199886 MODIFICATION KIT TO PROVIDE A TRANSMITTER DISTRIBUTOR CONTROL FOR MODEL 35 ASR STATIONS

### 1. GENERAL

- a. The 199886 Modification Kit equips a Model 35 ASR Stunt Box with an (X on) (1 to 4 character) (X off) sequence for Transmitter Distributor control.
- b. The necessary wiring for this kit exists as spare leads in the cabling of the Model 35 Stunt Box.
- c. The 199886 Modification Kit provides stunt box control of the transmitter distributor of an unattended 35 ASR Set. The control consists of a six character sequence always starting with "X ON" and ending with "X OFF". The middle four characters are variable and constitute the station call letters. The number of call letters for a station may vary from one to a maximum of four. The modification kit is applied to the unattended station only.
- d. When a calling station wishes to receive messages which are awaiting transmission from an unattended 35 ASR station, the calling station transmits an (X ON) 1 to 4 character (X OFF) (rubout) sequence. The "X ON" character forms the beginning of the stunt box sequence which is then followed by the 1 to 4 character station call letters. The stunt box of the unattended station responds to its station call letters and permits the "X OFF" character in the sequence to operate two stunt box contacts. One of the contacts is a momentary open contact which closes within the same cycle of operation and the other is a latching close contact which remains closed until the rubout character is received by the unattended station.
- e. The function of the two contacts operated by the "X OFF" function bar is to delay the operation of the unattended station transmitter distributor clutch magnet through relay logic of the unattended station until the calling station transmitter distributor has come to its stop position. The calling station responds only to the "X OFF" character of this sequence to stop its transmitter distributor.
- f. The unattended station transmitter distributor continues to operate until "EOT", end of transmission, is transmitted. The "EOT" character causes a disconnect through the stunt box and relay logic of both the calling and unattended stations. The disconnect through the relay logic of the unattended set stops its transmitter distributor. The calling station transmitter distributor can be restarted after operation of the touch or card dialer by operating the TD ON switch.

g. The 199886 Kit consists of:

6	4703	Spring	4	153440	Bar
.08 ft.	39522RM	Wire, Strap	1	153598	Pawl
7	72522	Wick	1	153604	Pawl
7	90517	Spring	6	154613	Latch
5	152121	Lever	7	157240	Spring
1	152298	Lever	1	172527	Switch
1	152642	Lever	1	172529	Switch
5	152653	Pawl	1	192467	Bar
1	152660	Plate	1	192469	Bar

h. For parts ordering information see Teletype Parts Bulletin 1187B.

## 2. INSTALLATION

a. Remove the stunt box from the printer in accordance with standard practice.

### NOTE

The following procedure is for the installation of a four character sequence.

b. Install the following parts in Slot 12: 153598 Pawl, 157240 Spring, 72522 Wick, 152298 Function Lever, 90517 Spring and the 154613 Latch.

c. Install the following parts in Slot 11: 153604 Pawl, 157240 Spring, 72522 Wick, 152642 Function Lever, 90517 Spring, 152660 Spring Plate, 192467 Function Bar "X OFF" and 4703 Spring.

d. Install the following parts in Slot 10: 152653 Pawl, 157240 Spring, 72522 Wick, 152121 Function Lever, 90517 Spring and 154613 Latch.

e. Install the following parts in Slot 9: 152653 Pawl, 157240 Spring, 72522 Wick, 152121 Function Lever, 90517 Spring and 154613 Latch.

f. Install the following parts in Slot 8: 152653 Pawl, 157240 Spring, 72522 Wick, 152121 Function Lever, 90517 Spring and 154613 Latch.

g. Place the following parts in Slot 7: 152653 Pawl, 157240 Spring, 72522 Wick, 152121 Function Lever, 90517 Spring and 154613 Latch.

h. Install the following parts in Slot 6: 152653 Pawl, 157240 Spring, 72522 Wick, 152121 Function Lever, 90517 Spring, 154613 Latch, 192469 Function Bar "X ON" and the 4703 Spring.

NOTE

See Teletype Bulletin 1187B or Specification 5831S for coding of the 153440 Bar. Bell System see standard information.

i. Before installing the 153440 Universal Function Bars, the bars must be coded by removing either spacing tines or marking tines depending upon a particular character required. After coding of the function bars they should be installed in Slots 10, 9, 8, and 7. Install a 4703 Spring with each function bar. The first function bar of a sequence must be in the lowest numbered slot, i.e., coded Function Bar "A" - Slot 7, Function Bar "B" - Slot 8, etc.

NOTE

The following is required when a one, two, or three character sequence is needed. The last character function bar of the sequence and its associated parts must be installed in the lower number slot (10) adjacent to X OFF. The remaining function bars and associated parts depending upon the number of characters in the sequence must also be installed in descending order, i.e., Slots 10, 9, 8, X ON; 10, 9, X ON or 10, X ON.

j. Install the 172529 Switch Assembly over Slots 9, 10, 11 and 12.

k. Untape the white-orange lead and red lead tied in the stunt box cable and wire to the switch assembly as shown in Figure 1.

NOTE

The following changes are required in the electrical service unit when a controller unit is not used.

l. Remove the W-BK and W-BL-BR Wires from Terminals E1. Place them on Terminals E5.

m. Remove the W-G and BK-BL Wires from Terminals B6 and place them on Terminals E5.

NOTE

For stunt boxes used in sprocket feed printers, additional changes are required and should be made as follows: (See Figure 2.)

n. Remove the contact arm located over Slot 13 and discard. Install the 172527 Switch Assembly over Slots 17, 18, 19 and 20. Unsolder the blue lead and the white-green lead of the 172542 Switch Assembly. Resolder the blue lead to the rear terminal of the 172527 Switch Assembly located over Slot 19. (See Figure 2.) Resolder the white-green lead on the center terminal of the switch assembly. (See Figure 2.)

o. Remove the parts located in Slot 12 and relocate them in Slot 18. Remove the parts located in Slot 13 and re-install them in Slot 19.

p. Re-install the stunt box by reversing the procedure in which it was previously removed.

### 3. ADJUSTMENTS AND LUBRICATION

For standard adjustments and lubrication procedure refer to standardized information.

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FOR STUNT BOXES USED WITH FRICTION AND SPROCKET FEED TYPING UNITS

PRINTER CONNECTOR

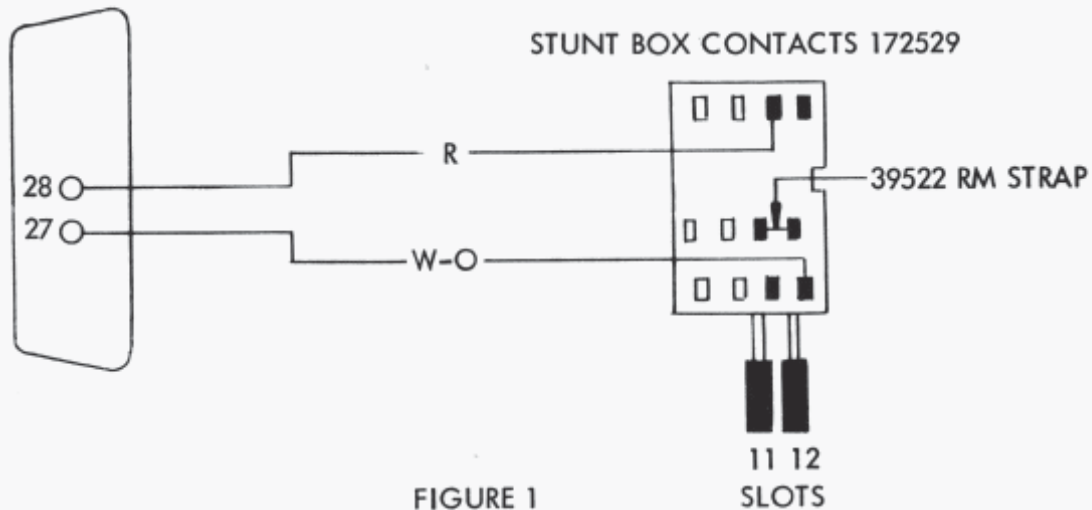


FIGURE 1

STUNT BOXES USED IN SPROCKET FEED UNITS REQUIRE THE ADDITIONAL WIRING SHOWN BELOW IN FIGURE 2

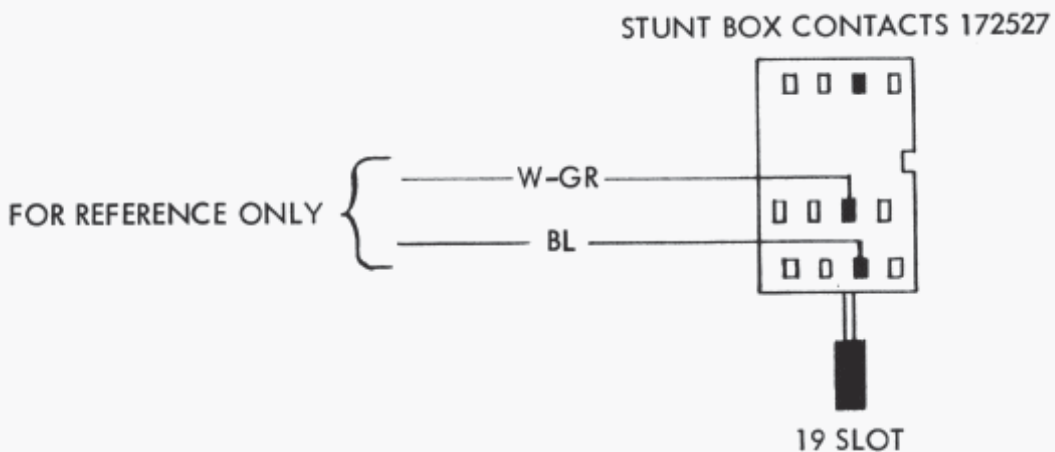


FIGURE 2