

INSTRUCTIONS FOR INSTALLING THE 154782 MODIFICATION  
KIT ON A MODEL 28 TYPING UNIT LP6, LP9 AND UP TO PRE-  
VENT ASSOCIATED TRANSMITTER DISTRIBUTOR FROM LOCKING-  
OUT TYPING UNIT WHEN NONSPACING FUNCTIONS OCCUR

1. GENERAL

a. The 154782 Modification Kit when installed on the Model 28 Typing Unit LP6, LP9 and up, provides a means for pulsing the transmitter distributor clutch magnet on all non-spacing signals. This is accomplished by installing the parts supplied and wiring the stunt box contact assembly in parallel with the margin indicator switch. The result is that the stunt box contact will key the T-D until a spacing character is received for activating the ACRLF mechanism. If a nonspacing function occurs as the margin indicator switch opens the transmitter distributor clutch circuit, the T-D would be stopped prior to the ACRLF action. The end effect is locking out the typing unit by stopping the T-D before the ACRLF takes place, which is required to close the margin indicator switch and T-D clutch circuit.

b. The 154782 Modification Kit consists of:

1	90517	Spring	1	155713	Clip
1	152641	Lever, Function	2	155751	Sleeve, Insulating
1	152660	Plate, Spring	*1	172501	Switch Assembly

c. For part numbers referred to and for parts ordering information see Teletype Model 28 Printer Parts Bulletin 1149B.

2. INSTALLATION

NOTE

References made to left or right, front or rear, etc. apply to the unit in its normal position as viewed from the operator's position in front of the unit.

a. Remove the stunt box from the unit retaining its mounting screws.

b. With the aid of a spring hook install the 155713 Space Suppression Bail Clip on the bail so that the extension on the clip is up and toward the rear of the unit.

\*c. Install the 152641 Function Lever, 152660 Spring Plate and 90517 Spring in Slot 23 of the stunt box.

\*d. Discard the two nuts of the 172501 Switch Assembly which are for handling purposes only. Place the 172501 Switch Assembly in position on top of the stunt box and secure in position with the 151689 Screws and 110743 Lock Washers which are included with the 172501 Switch Assembly.

\*Indicates change

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NOTE

Make certain that the contact arm insulator is in alignment with the function lever in Slot 23. If necessary, loosen the screws and position the switch to meet the requirement. Check to see that there is some clearance between the contact arm and vertical face of the clip when the play in the arm is taken up to make the clearance minimum.

\*e. Solder the lead ends of the 155066 Cable to the 172501 Switch Assembly. Slip the 155751 Insulating Sleeves over the leads of the cable which are to be soldered to the typing unit connector. Solder the red wire to terminal 12 and the black wire to terminal 13 of the typing unit connector. Slide the insulating sleeves over the terminals after soldering.

NOTE

Care should be exercised when soldering, lacing, or routing the cables so as not to tug or pull unnecessarily on the contact spring to prevent damage to the spring.

- f. Reinstall the stunt box.
- g. Line up the slot in the space suppression bail clip with the toe of the function lever.
- h. With the forefinger of the left hand, push the space suppression bail toward the front, at the same time with a spring hook push forward and up on the heel of the function lever, when the function lever is released the toe of the function lever will drop into the slot of the space suppression clip.

NOTE

The space suppression bail clip must be disengaged before the stunt box can be removed from the Typing Unit. Disengage the clip as follows:

With a spring hook, push upward on the function lever and push forward on the bail, the toe of the function lever will clear the slot in the clip.

3. ADJUSTMENTS. - For adjustment procedure refer to standardized adjustment information, Teletype Bulletin 217B. Check the following:

Function Lever Spring Tension  
Function Contact Spring

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(f) Remove the following parts from slot 28 and install in slot 10 with a 152666 Function Bar, 152653 Function Pawl and 157240 Spring with 72522 Wick:

90517	Spring	4703	Spring
154613	Latch	152693	Function Bar (Discard)
152121	Function Lever		

(g) Remove the following parts from slot 22 and install in slot 15:

90517	Spring	152669	Function Bar
152660	Spring Plate	157240	Spring
152641	Function Lever	72522	Wick
4703	Spring	152653	Function Pawl

(h) Remove the following parts from slot 30 and install in slot 25 with a 152653 Function Pawl and a 157240 Spring with 72522 Wick:

153437	Function Bar	152641	Function Lever
90517	Spring	4703	Spring
152660	Spring Plate		

(i) Remove the following parts from slot 38 and install in slot 16:

90517	Spring	152668	Function Bar
152660	Spring Plate	157240	Spring
152641	Function Lever	72522	Wick
4703	Spring	152653	Function Pawl

(j) Remove the following parts from slot 29 and install in slot 31 with a 154647 Function Lever:

90517	Spring	157240	Spring
152660	Spring Plate	72522	Wick
4703	Spring	152653	Function Pawl
152673	Function Bar	152641	Function Lever (Discard)

(k) Install the following parts in slot indicated; numbers refer to sequence of installation:

		SLOT									
		27	30	26	13	6	11	14	28	37	
152653	Function Pawl	1		1	1	1	1	1		1	
72522	Wick	2		2	2	2	2	2		2	
157240	Spring	3		3	3	3	3	3		3	
155129	Function Bar	4									
4703	Spring	2	2	5	5	5	5	5	2	5	
152642	Function Lever	6									
152660	Spring Plate	7					7			7	
90517	Spring	8	5	8	8	8	8	8	5	8	
152666	Function Bar		1								
152121	Function Lever		3		6						
154613	Latch		4	7	7						
152665	Function Bar			4							
154646	Function Lever			6							
152667	Function Bar				4						