

ADJUSTMENT OF THE AUTOMATIC CARRIAGE RETURN  
AND LINE FEED MECHANISM ON MODEL 15 PRINTER

To be used in conjunction with Teletype Model 15 Printer Adjustment Bulletin 138.

For printers equipped with the automatic carriage return and line feed mechanism, add the following adjustments after the carriage return adjustments sequence, and directly following the paragraph CARRIAGE RETURN CLUTCH SPRING COMPRESSION.

OPERATING BAIL LINE FEED EXTENSION ADJUSTMENT

With the printing bail in its extreme rear position and the automatic carriage return trigger held in its operated position, rotate the main shaft until the automatic carriage return and line feed function lever just touches the number one vane. There should be some clearance, not more than .010" between the line feed push bar and the bottom of the function bail blade. To adjust, position the line feed extension by means of its enlarged mounting holes. Reposition the function bail blade if necessary.

To check the function bail blade adjustment, select the combination for the letter "O" when the printing bail is in its rearmost position, then rotate the main shaft until the printing bail is in its extreme forward position. There should be some clearance between the upper edge of the line feed extension projection of the bail and the lower edge of the line feed push bar.

AUTOMATIC CARRIAGE RETURN AND LINE FEED FUNCTION LEVER ECCENTRIC SCREW ADJUSTMENT

There should be an equal amount of clearance (within .010") between the bottom edge of the carriage return latch bar and the latch bar latch when, first the carriage return function lever is fully selected and then the automatic carriage return and line feed function lever is fully operated. To adjust, position the automatic carriage return and line feed function lever eccentric screw.

\*MOUNTING BRACKET ADJUSTMENT

NOTE

If the shift-blank-stop motor control mechanism is not used on the typing unit on which the automatic carriage return and line feed mechanism is installed, subsequent references to the motor stop function lever blocking lever may be ignored.

With the trigger guide positioned in approximately the middle of its adjustable range, adjust the mounting bracket (a) approximately parallel to the 74019 spring plate, and (b) so that there is some, but not more than .002" clearance between the front edge of the motor stop function lever and the blocking end of the blocking lever when the space combination is selected and the main shaft is rotated until the function lever rests against the vanes.

With the "Figures H" combination selected and the motor stop function lever blocked by its blocking lever, the motor stop function lever should not block the travel of the printing bail.

#### TRIGGER GUIDE ADJUSTMENT

With the letter "O" combination selected and the main shaft rotated until the printing bail is in its extreme forward position, there should be some clearance, not more than .010" between the carriage return latch bar and the lobe on the carriage return extension of the bail assembly. To adjust, position the trigger guide by means of its elongated mounting holes.

Check: With the main shaft in the stop position, there should be at least .005" clearance between the blocking edge of the trigger extension and the front edge of the automatic carriage return and line feed function lever, when the play is taken up to make this clearance a minimum.

#### TRIGGER ADJUSTABLE SCREW ADJUSTMENT

The automatic carriage return and line feed mechanism is designed to operate on a 72 to 76 character range. The following procedure assumes a 76-character line range. The procedure for the 72-character line range is substituted wherever 76 appears.

To check this adjustment, space the carriage one less than the desired number of characters on the line. There should be a clearance of .015" to .020" between the left-hand edge of the trigger extension and the right-hand edge of the blocking extension on the automatic carriage return and line feed function lever when the play in the function lever is taken up to the left. To adjust for this clearance, loosen the lock nut of the trigger adjustable screw and position the screw. Tighten the lock nut.

#### CARRIAGE RETURN AND AUTOMATIC CARRIAGE RETURN AND LINE FEED FUNCTION LEVER SPRING TENSIONS

With the carriage return combination fully selected and with the carriage return function lever resting against the vanes, unhook the carriage return function lever spring from the spring plate. Insert the hook end of a 12 lb. scale into the free end of the spring. It should require 9 to 11 lbs. to stretch the spring to its position length. Rehook the spring.

Measure the tension of the automatic carriage return and line feed function lever spring in a similar manner, with the function lever unblocked and resting against the vanes.

#### TRIGGER SPRING TENSION

Hook an 8 oz. scale over the trigger at the spring hole and pull horizontally in line with the spring. It should require a pull of 3-1/2 to 5 ozs. to just start the trigger moving.

#### BELL CRANK RETAINER YIELD LEVER SPRING TENSION

Hook a 32 oz. scale over the end of the yield lever and pull horizontally in line with the spring. It should require 24 to 32 ozs. to start the arm moving.

The adjusting procedure for the following adjustment must be changed as indicated below:

LINE FEED TURNBUCKLE ADJUSTMENT

Substitute the following for the first sentence: With the single-double line feed lever in the "single" line feed position, select the "line feed" combination and rotate the main shaft until the function bail is in its extreme rear position. Then manually move the line feed push bar to a position where it is just about to be disengaged from the function bail."

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