Teletype Corporation
Chicago, Ill., U.S.A.

Supplement No. 1
Specification S-5229
March 28, 1940

THE FOLLOWING CHANGES APPLY
ONLY TO BELL SYSTEM INSTALLATIONS

For connections of line and power in Bell System service refer to Bell System Practices.

PRINTED IN U.S.A.

154

INSTRUCTIONS FOR INSTALLING AND ADJUSTING THE 98070 UPPER CASE "H" MOTOR CONTROL SET OF PARTS ON MODEL 26 PRINTER OPERATING ON .060 AMPERE LINE CURRENT

This feature provides a means of remotely stopping the printer motor, when upper case "H" signal is received on the printer, and a means of starting the motor, when the signal line is momentarily opened at any point on the circuit.

The 98070 set of parts consists of the following:

98454 Upper Case "H" Contact Mechanism for Model 26 Typing Units includes the following parts:

2	1038	Screw
2	2191	Lock Washer
1	90431	Lock Washer
1	90561	Pawl
1	90611	Contact Operating Lever
2	90615	Return Spring
1	90772	Contact Bracket (Assembly)
1	90895	Cable (Complete)
1	91923	Motor Stop Function Arm No. 1
1	93766	Terminal Block (Assembly)

98455 Upper Case "H" Motor Control Parts for Model 26 Printer Keyboard includes the following parts:

2	1038	Screw
2	2191	Lock Washer
2	2669	Lock Washer
2	6810	Screw
2	74992	Bushing
1	74670	Strap
1	78011	Condenser
1	82514	Motor Control Unit (Assembly)
1	98071	Motor Control Unit Bracket
2	98072	Screw
1	98073	Cable (Complete)

For numbers referred to in the following text that are not included in the foregoing list, refer to Bulletin 1074.

INSTALLATION

A. If the typing unit is not equipped with the break lock mechanism or remote signal bell, proceed as follows:

1. Remove the typing unit from the base.
2. Remove the 90435 bushing (nut) at the lower end of the function pawl pivot.
3. Install the 90561 function pawl and replace the bushing.
4. Install the 90615 function pawl return spring between the function pawl and the spring post.
5. Remove the carriage return lever latch assembly with its mounting post and the spring post to the right of it (facing the rear of the printer).

6. Install the 90611 contact operating lever at the lower level of the function pawl latch pile-up and install the 90615 spring between the lever and the spring post.

7. Replace the spring post and carriage return lever latch post assembly and adjust the latch post.

8. Install the 90772 contact bracket assembly on the 90590 lever plate at the extreme right end (facing rear of the printer) using the two #1038 screws and #2191 lock washers furnished.

9. Remove the function arms assembly and install the 91923 motor stop function arm in position No. 1 (nearest the gear). Replace the 90431 lock washer with the new one furnished while reassembling the function arms.

10. Replace the function arms assembly and readjust the end play.

11. Install the 93766 terminal block furnished on the casting to the right of the other terminal block and connect the 90895 cable between the contacts and the terminal block in accordance with the wiring diagram attached.

ADJUSTMENTS

1. Adjust the contacts as follows:

   (a) With the shift plate in the shifted position (forward), set up the motor stop combination on the code discs and rotate the type wheel shaft until the stop arm is latched on the selected stop pin. With the function bail roller on the high part of its cam, there should be .010" to .020" clearance between the inner contact spring and the upper end of the spring stiffener.

   To adjust, bend the stiffener.

   (b) The following requirement should be checked with the contact bracket removed from the typing unit.

   Hook an 8 oz. scale to the inside contact spring, just above the stiffener. It should require 3 to 5 ozs. to start the contact spring moving away from the stiffener.

   To adjust, bend the inner contact spring. Replace the bracket. Recheck (a).

   (c) With the main shaft cam sleeve in its stopped position, there should be .015" to .025" clearance between the contact points.

   To adjust, bend the outer contact spring stiffener.

(d) Apply the push end of an 8 oz. scale to the outer contact spring just above the stiffener. It should require 1 to 3 ozs. to start moving the contact spring away from its stiffener.

To adjust, bend the outer contact spring and recheck (c).

2. Mount the 98071 motor control unit bracket at the rear left corner of the base using the two #10-32 tapped holes already in the casting, and the 6810 screws and 2669 lock washers furnished.

3. Using the 74670 strap, 98072 screws and 74992 bakelite bushings furnished, mount the 78011 condenser on the right side of the motor control unit bracket, with the condenser terminals uppermost.

4. Mount the 82514 motor control unit on the left side of the bracket using the 1038 screws and 2191 lock washers furnished.

5. Install the 98073 cable as shown on the wiring diagram.

When the added line resistor is not used, remove the blue wire from terminal 26, connect it to terminal 24.

When the added line resistor is used, open the "loop" and connect to terminal 24, that side of the loop which runs to the keyboard transmitting contacts. Connect the other side of the loop and the green wire from terminal No. 51 on the motor stop unit to the resistor as required.

It should be noted that the cable includes a pair of wires to replace the red and white wires which connect terminals 22 and 23 to the motor connector. These have been provided to avoid splicing. Care should be taken to position the cable so as to reduce the possibility of damaging it when the typing unit is being placed on or removed from the base.

Note: For motor control unit adjustments, refer to Model 14 Printer Adjustment Specifications.

B. If the typing unit is equipped with remote bell contacts, follow the foregoing procedure except substitute the following for paragraph 8-A:

8-B. Remove the contact spring pile-up from the 90772 contact bracket assembly furnished and mount the pile-up in the corresponding holes of the contact bracket already installed on the typing unit.

C. If the typing unit is equipped with the break lock mechanism, make the following changes in the procedure outlined under A:

1. Remove and discard the 90629 gong hammer and discard the hammer, lock washer, and nut.

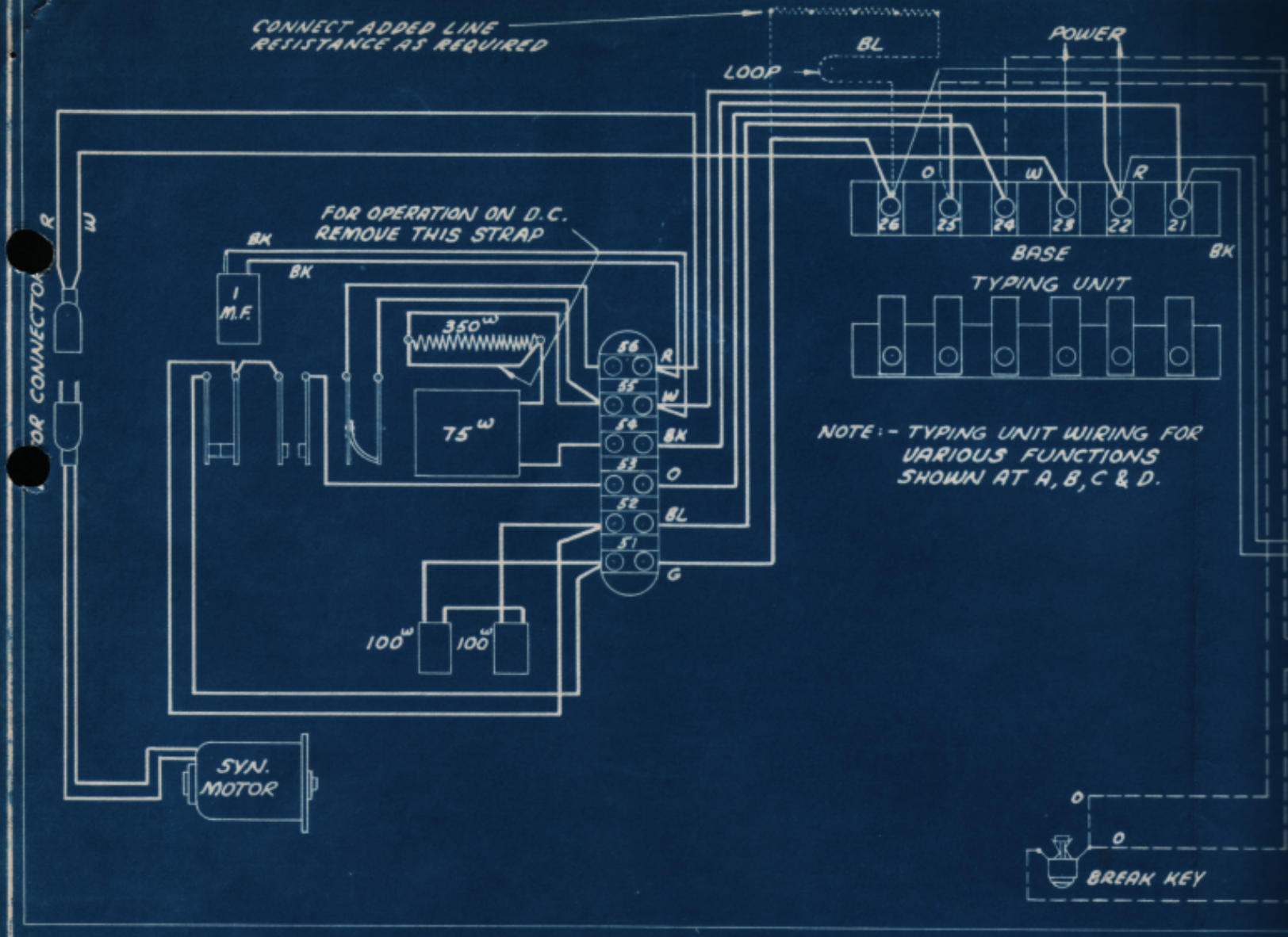
Note: It is not possible to retain the signal bell function when the break lock function and upper case "H" motor control features are used.

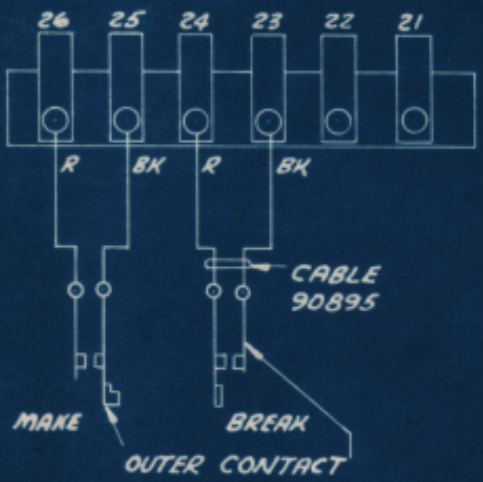
2. Substitute the following for Item 8-A:

   8-C. Remove the contact pile-up from the 90772 assembly and install the pile-up on the contact bracket in the typing unit using the two holes at the extreme left, looking at the printer from the rear.

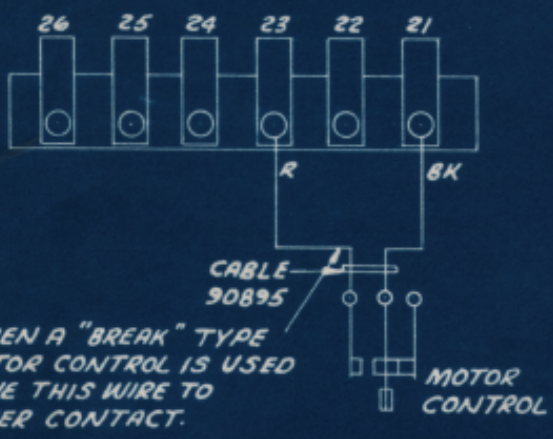
3. Substitute the following for Item 9-A:

   9-C. Install the 91923 motor stop function arm in position #2 (second from the gear). Replace the 90431 lock washer with the new one furnished while reassembling the function arms.

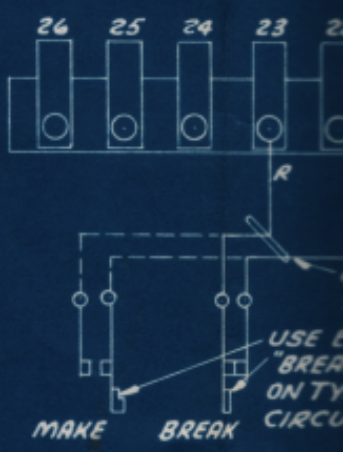




(A) BREAK-LOCK CONTACTS ONLY

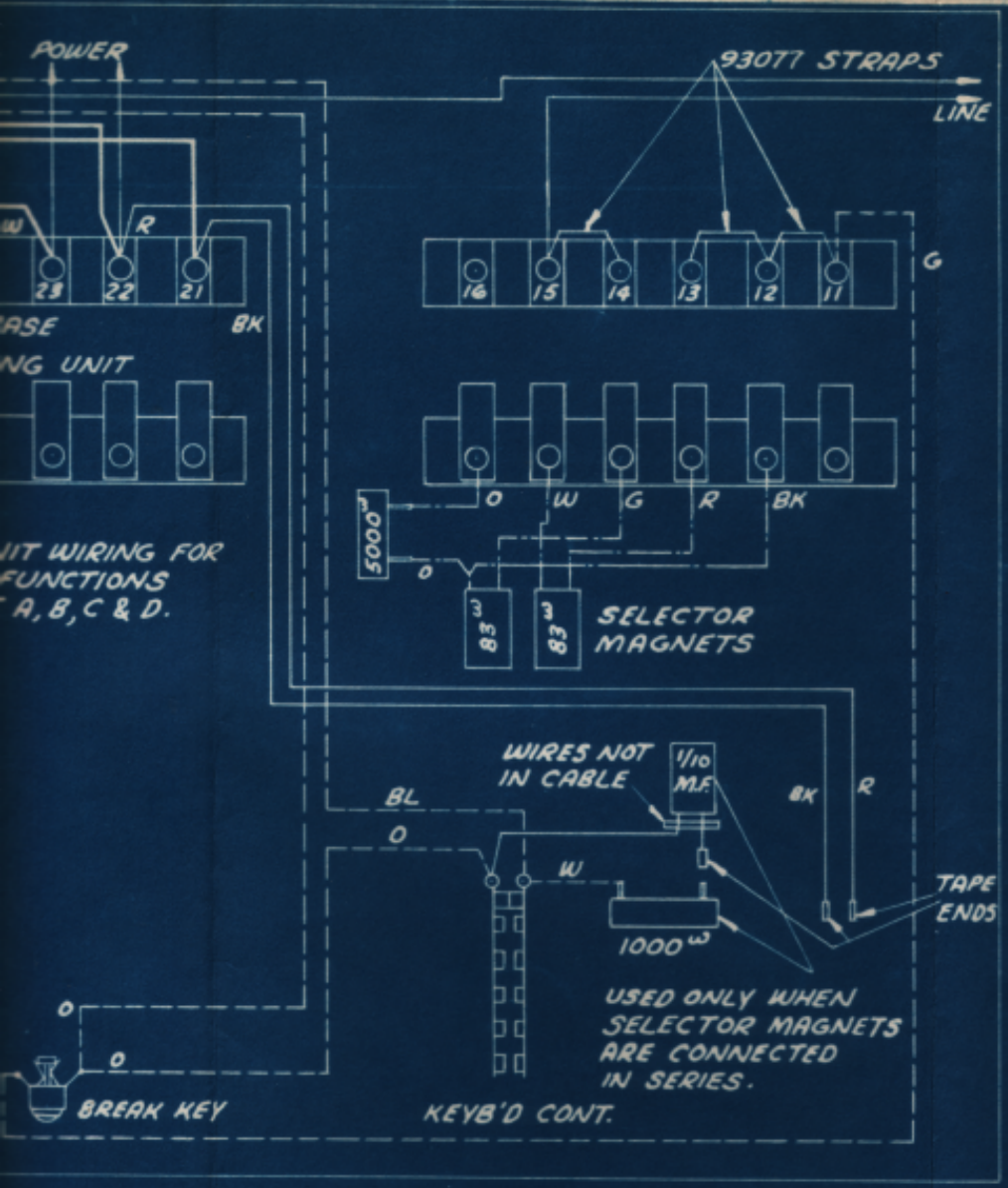


(B) MOTOR CONTROL ONLY



(C) MOTOR CONTROL WHEN

COLOR CODE			
BK	BLACK	G	GREEN
W	WHITE	O	ORANGE
R	RED	BL	BLUE

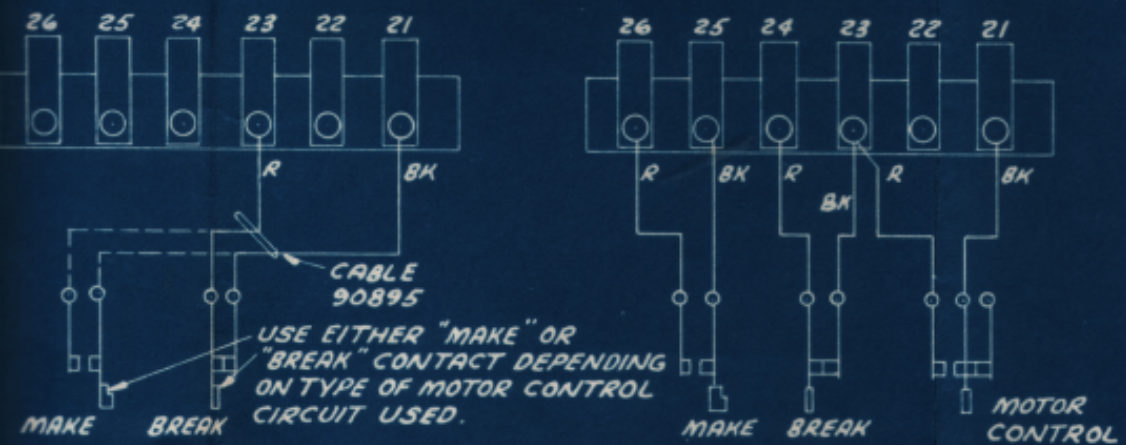


NOTE :-
WIRING AS SHOWN FOR PARALLEL OPERATION OF SELECTOR MAGNETS.
(SEE WD-1858 FOR WIRING WITH MAGNETS IN SERIES.)

REVISIONS

(A) ADDED LINE RESISTANCE WIRING CHANGED. 3-29-40 J.J.F.

IT WIRING FOR FUNCTIONS A, B, C & D.



MOTOR CONTROL WHEN BELL IS USED

(O) BREAK-LOCK AND MOTOR CONTROL

CABLES

90797	POWER CABLE
93087	LINE CABLE
93086	SELECTOR CABLE
90895	CONTACT CABLE
82704	MOTOR CONTROL UNIT CABLE - INTERNAL
98073	MOTOR CONTROL UNIT CABLE - EXTERNAL

TELETYPE CORPORATION

WD-1836 2-19-40

WD-1836-A

26 TYPE PRINTER WITH MOTOR CONTROL UNIT FOR .060 AMP. LINE CURRENT

DRAWN N.J.W.
TRACED
CHECKED
ENG'R'D.
APPROVED