NOTES

1. WIRING SHOWN WITHOUT CONTROL RELAY. WHEN CONTROL RELAY IS USED, WIRES SHOWN CONNECTED TO "A" AND "B" ON SWITCH ARE REMOVED, SPLICED TOGETHER AND TAPED. WIRE LOOPS AT SWITCH AND CONTROL RELAY COIL ARE CUT AND CONNECTED TO RESPECTIVE UNITS. WIRE LOOP AT CONTROL RELAY CONTACTS IS CUT, "G" IS CONNECTED TO "E" FOR "BREAK OPER." AND TO "C" FOR "MAKE OPER.". "F" IS CONNECTED TO "D" IN EITHER CASE.
FOR "BREAK OPER." INVERT POWER SWITCH TO MAKE "ON" AND "OFF" DESIGNATIONS ON COVER AGREE WITH OPERATION OF SWITCH.
SUFFICIENT RESIS. MUST BE PROVIDED IN THE LINE CIRCUIT TO REDUCE THE LINE CURRENT TO THE PROPER VALUE.

2. RECOMMENDED FUSETRON OR FUSTAT (AND ALTERNATE FUSE) PROTECTION.

MOTOR	FUSETRON OR FUSTAT	FUSE
110 V. A.C. 60 CYCLE SYN.	3.2 AMP.	6 AMP.
110 V. A.C. 60 CYCLE GOV.	1.6 AMP.	3 AMP.
(1.6 AND 3.2 AMP FUSETRONS ARE FURNISHED WITH NEW 15 PTR. BASES.)		

MOTOR	FUSETRON OR FUSTAT	FUSE
110 V. D.C. GOV.	.6 AMP.	3 AMP.
110 V. A.C. 25 CYCLE GOV.	1.4 AMP.	3 AMP.
110 V AC 25 CYCLE SYN.	1.6 AMP.	3 AMP.

3. TO DISABLE SEND-RECEIVE-BREAK MECHANISM:
   A. SPLICE AND TAPE WIRES MARKED "X"
   B. TAPE WIRE MARKED "Y"
   C. SPLICE AND TAPE WIRES MARKED "Z"

4. EQUIPMENT SHOWN DOTTED IS UNDERNEATH UNITS.

5. WHEN A.C. SERIES MOTOR IS TO BE DRIVEN FROM 25 CYCLE SUPPLY, A 25 OHM RESISTOR SHOULD BE CONNECTED IN ONE OF THE POWER LEADS.

6. CONTACTS SHOWN BETWEEN TERMINALS 9 AND 10 ARE PRESENT ON TYPING UNIT ONLY WHEN MOTOR CONTROL ON FIGURES "H" OR FIGURES "M" IS USED. WHEN MOTOR CONTROL IS USED REMOVE STRAP BETWEEN 9 AND 10 ON BASE.

7. RY30 RELAY (W.E. 255A)—136 OHMS PER WINDING (FOR .060 OR .020 AMPERE SIGNALING)

8. ASSOCIATED CABLES: (UNNUMBERED STRAPS ARE RM39522 WIRE)

———	74574 BASE (LINE)	———	74769 MOTOR CONTROL CONTACTS
- - - - -	74573 BASE (POWER)	——·——	92814 BASE
——·——	74575 LINE RELAY UNIT	———	99681 PERF. AND COUNTER (PERF. TRANS.)
———	74571 D.C. MOTOR UNIT	———	83895 RESISTOR (PERF. TRANS.)
——·——	104936 KEYBOARD & PERF TRANS.	———	91277 SELECTOR MAGNET (HOLDING)
———	74625 SELECTOR MAG. (PULLING)	———	FILTER WIRING

9. THE LINE JACK IS OPEN WHEN THE PRINTER IS IN POSTION.

10. X — INDICATES WIRES TAPED OR SPLICED AND TAPED.

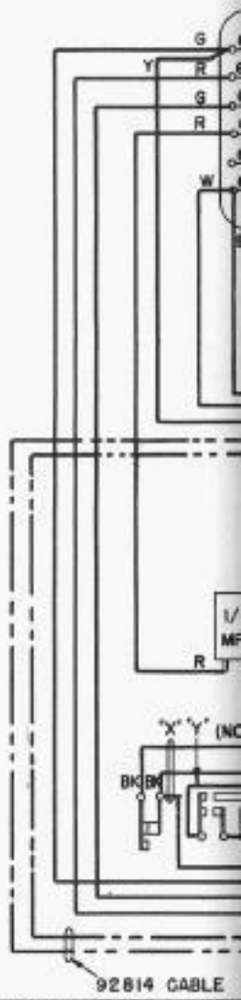
11. WIRE COLOR CODE

CODE	SOLID COLOR OR TRACERS IN WHITE WIRE	CODE	SOLID COLOR OR TRACERS IN WHITE WIRE
Y	YELLOW	O	ORANGE
G	GREEN	S	SLATE
BR	BROWN	R	RED
P	PURPLE (RED AND BLUE TRACER)	BK	BLACK
W	WHITE	BL	BLUE

12. WIRING REQUIREMENTS

LINE CURRENT	BASE	TYPING UNITS: PULLING MAG. SEL.	TYPING UNITS: HOLDING MAG. SEL.
.060 AMP	WIRING AS SHOWN IS WITH LINE RELAY INOPERABLE (STRAPPED OUT)	WIRING AS SHOWN	WIRING AS SHOWN. 20-60 MIL. SWITCH MUST BE IN PARALLEL POSITION.
	FOR OPERATION WITH LINE RELAY RY30 (W.E. 255A), WITHOUT 8000 OHM RESISTOR IN BIAS CIRCUIT; MOVE YELLOW WIRE FROM TERMINAL 61 TO 62 AND WHITE WIRE FROM TERMINAL 66 TO 65. MOVE BROWN WIRE FROM 61 TO 66 AND GREEN WIRE FROM 62 TO 63.	WIRING AS SHOWN	WIRING AS SHOWN. 20-60 MIL. SWITCH. MUST BE IN PARALLEL POSITION.
.020 AMP	WIRING AS SHOWN IS WITH LINE RELAY INOPERABLE (STRAPPED OUT)	CANNOT BE USED	WIRING AS SHOWN. 20-60 MIL. SWITCH MUST BE IN SERIES POSITION.
	FOR OPERATION WITH LINE RELAY RY30 (W.E. 255A), CONNECT 8000 OHM RESISTOR IN BIAS CIRCUIT BY MOVING YELLOW WIRE FROM END TERMINAL SHOWN TO OPPOSITE END TERMINAL AND MOVING YELLOW WIRE FROM TERMINAL 61 TO 62 AND WHITE WIRE FROM TERMINAL 66 TO 65. MOVE BROWN WIRE FROM 61 TO 66 AND GREEN WIRE FROM 62 TO 63.	WIRING AS SHOWN	WIRING AS SHOWN 20-60 MIL. SWITCH MUST BE IN PARALLEL POSITION.

13. N— DENOTES WIRING TO BE USED WHEN FILTER OR POLAR NEUTRAL SWITCH IS NOT SUPPLIED.
F— DENOTES WIRING TO BE USED WHEN FILTER OR POLAR NEUTRAL SWITCH IS SUPPLIED.



14. CONNECT ONE OF THE SISTOR LEADS TO TE IT IS NECESSARY TO NEGATIVE INTERNAL B MAGNET TYPE PRINTE SELECTOR COILS C PARALLEL.

15. COVER LEADS AT LINE F TERMINALS WITH HIGH TUBING - 60279 RM.

NOTES

THOUT CONTROL RELAY, WHEN CONTROL RELAY IS USED, WIRES SHOWN CONNECTED TO "A" AND "B" ON SWITCH
LICED TOGETHER AND TAPED. WIRE LOOPS AT SWITCH AND CONTROL RELAY COIL ARE CUT AND CONNECTED TO
S. WIRE LOOP AT CONTROL RELAY CONTACTS IS CUT, "G" IS CONNECTED TO "E" FOR "BREAK OPER." AND TO
PER.". "F" IS CONNECTED TO "D" IN EITHER CASE.
." INVERT POWER SWITCH TO MAKE "ON" AND "OFF" DESIGNATIONS ON COVER AGREE WITH OPERATION OF SWITCH.
" RESIS. MUST BE PROVIDED IN THE LINE CIRCUIT TO REDUCE THE LINE CURRENT TO THE PROPER VALUE.

SETRON OR FUSTAT (AND ALTERNATE FUSE) PROTECTION.

	FUSETRON OR FUSTAT	FUSE	MOTOR	FUSETRON OR FUSTAT	FUSE
OR					
60 CYCLE SYN.	3.2 AMP.	6 AMP.	110 V. D.C. GOV.	.6 AMP.	3 AMP.
60 CYCLE GOV.	1.6 AMP.	3 AMP.	110 V. A.C. 25 CYCLE GOV.	1.4 AMP.	3 AMP.

AMP. FUSETRONS ARE FURNISHED WITH NEW 15 PTR. BASES.) 110 V AC 25 CYCLE SYN. 1.6 AMP. 3 AMP.

D-RECEIVE-BREAK MECHANISM:
ND TAPE WIRES MARKED "X"
MARKED "Y"
ND TAPE WIRES MARKED "Z"

N DOTTED IS UNDERNEATH UNITS.

S MOTOR IS TO BE DRIVEN FROM 25 CYCLE SUPPLY, A 25 OHM RESISTOR SHOULD BE CONNECTED IN ONE OF THE

BETWEEN TERMINALS 9 AND 10 ARE PRESENT ON TYPING UNIT ONLY WHEN MOTOR CONTROL ON FIGURES "H" OR
SED. WHEN MOTOR CONTROL IS USED REMOVE STRAP BETWEEN 9 AND 10 ON BASE.

255A)—136 OHMS PER WINDING (FOR .060 OR .020 AMPERE SIGNALING)

ES: (UNNUMBERED STRAPS ARE RM39522 WIRE)

74574 BASE (LINE)	———	74789 MOTOR CONTROL CONTACTS
74573 BASE (POWER)	——·——	92814 BASE
74575 LINE RELAY UNIT	———	99881 PERF. AND COUNTER (PERF. TRANS.)
74571 D.C. MOTOR UNIT	———	83895 RESISTOR (PERF. TRANS.)
104936 KEYBOARD & PERF. TRANS.	———	91277 SELECTOR MAGNET (HOLDING)
74625 SELECTOR MAG. (PULLING)	———	FILTER WIRING

PEN WHEN THE PRINTER IS IN POSTION.

IRES TAPED OR SPLICED AND TAPED.

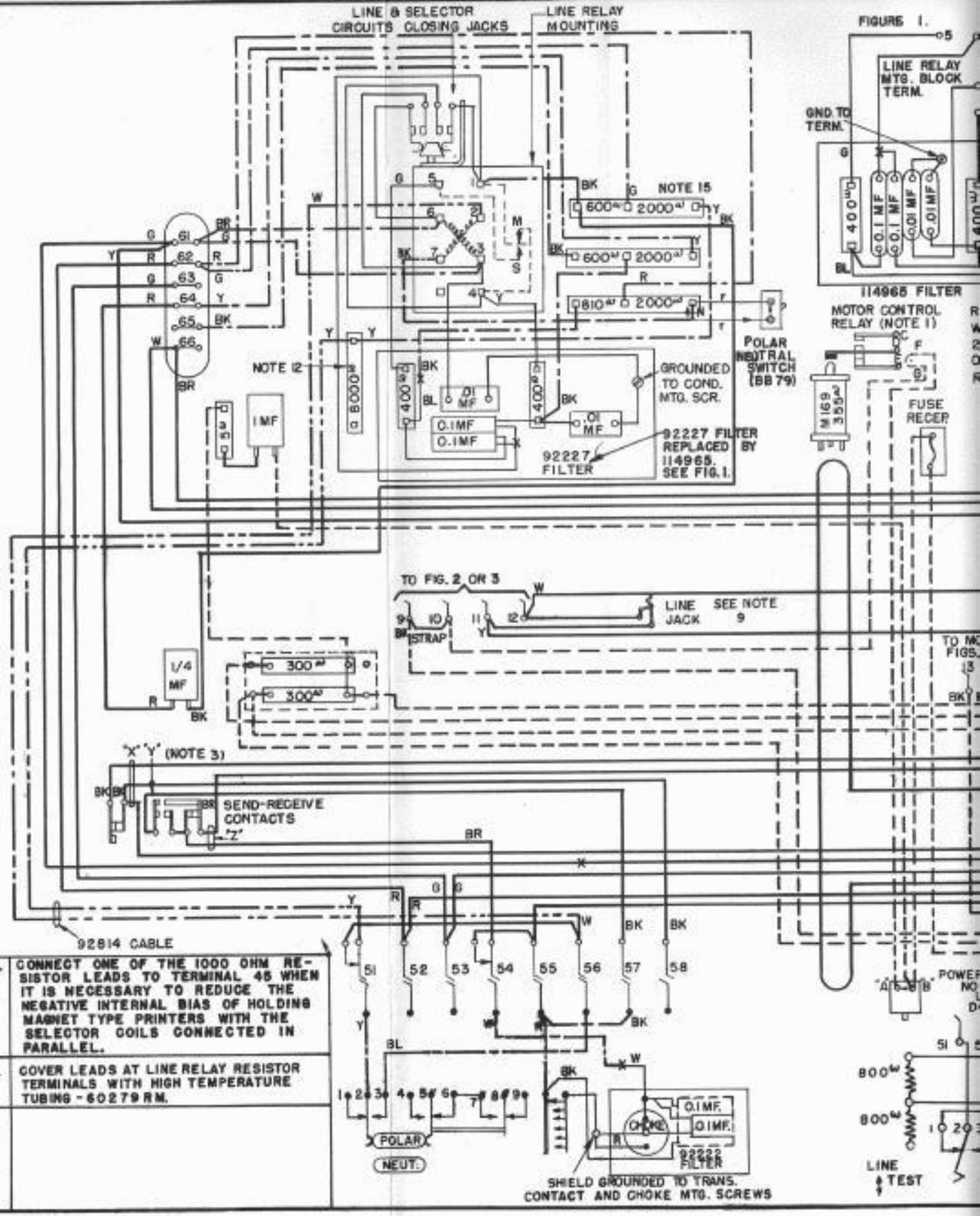
WIRE COLOR CODE

COLOR OR TRACERS IN WHITE WIRE	CODE	SOLID COLOR OR TRACERS IN WHITE WIRE
	O	ORANGE
	S	SLATE
	R	RED
(RED AND BLUE TRACER)	BK	BLACK
	BL	BLUE

WIRING REQUIREMENTS

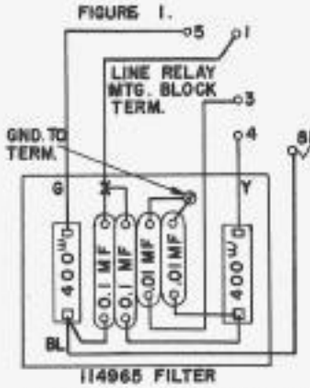
BASE	TYPING UNITS: PULLING MAG. SEL.	TYPING UNITS: HOLDING MAG. SEL.
WIRING AS SHOWN IS WITH LINE RELAY INOPERABLE (STRAPPED OUT)	WIRING AS SHOWN.	WIRING AS SHOWN. 20-60 MIL. SWITCH MUST BE IN PARALLEL POSITION.
FOR OPERATION WITH LINE RELAY RY30 (W.E. 255A), WITHOUT 8000 OHM RESISTOR IN BIAS CIRCUIT; MOVE YELLOW WIRE FROM TERMINAL 61 TO 62 AND WHITE WIRE FROM TERMINAL 66 TO 65. MOVE BROWN WIRE FROM 61 TO 66 AND GREEN WIRE FROM 62 TO 63.	WIRING AS SHOWN	WIRING AS SHOWN. 20-60 MIL. SWITCH MUST BE IN PARALLEL POSITION.
WIRING AS SHOWN IS WITH LINE RELAY INOPERABLE (STRAPPED OUT)	CANNOT BE USED	WIRING AS SHOWN. 20-60 MIL. SWITCH MUST BE IN SERIES POSITION.
FOR OPERATION WITH LINE RELAY RY30 (W.E. 255A), CONNECT 8000 OHM RESISTOR IN BIAS CIRCUIT BY MOVING YELLOW WIRE FROM END TERMINAL SHOWN TO OPPOSITE END TERMINAL AND MOVING YELLOW WIRE FROM TERMINAL 61 TO 62 AND WHITE WIRE FROM TERMINAL 66 TO 65. MOVE BROWN WIRE FROM 61 TO 66 AND GREEN WIRE FROM 62 TO 63.	WIRING AS SHOWN	WIRING AS SHOWN 20-60 MIL. SWITCH MUST BE IN PARALLEL POSITION.

IRING TO BE USED WHEN FILTER OR POLAR NEUTRAL SWITCH IS NOT SUPPLIED.
IRING TO BE USED WHEN FILTER OR POLAR NEUTRAL SWITCH IS SUPPLIED.



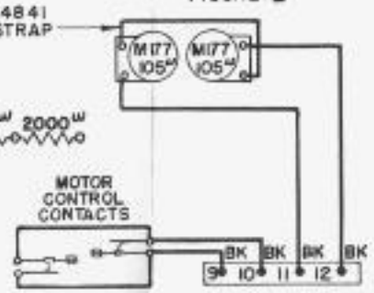
14.	CONNECT ONE OF THE 1000 OHM RESISTOR LEADS TO TERMINAL 45 WHEN IT IS NECESSARY TO REDUCE THE NEGATIVE INTERNAL BIAS OF HOLDING MAGNET TYPE PRINTERS WITH THE SELECTOR COILS CONNECTED IN PARALLEL.
15.	COVER LEADS AT LINE RELAY RESISTOR TERMINALS WITH HIGH TEMPERATURE TUBING - 60279 RM.

FIGURE 1.



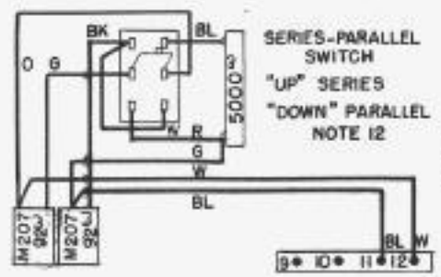
114965 FILTER

FIGURE 2



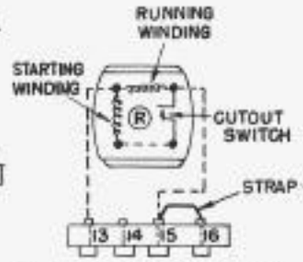
TYPING UNIT WITH PULLING SELECTOR MAGNETS BP 22, 117.

FIGURE 3



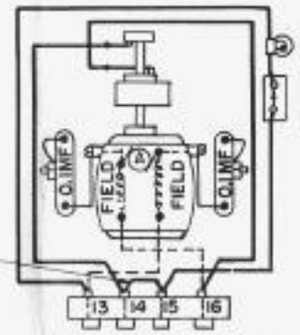
TYPING UNIT WITH HOLDING SELECTOR MAGNETS BP 128, 134

FIGURE 4



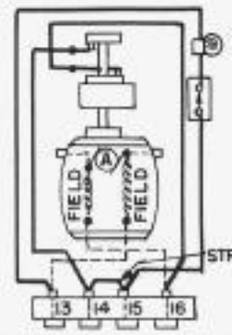
SYNCHRONOUS MOTOR UNIT MU 4, 7, 8, 15

FIGURE 5



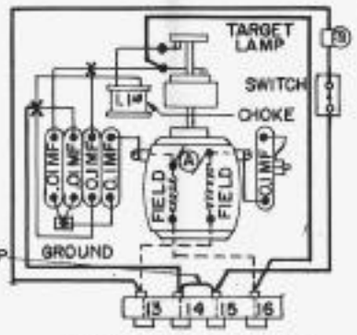
A. C. SERIES MOTOR UNIT MU 32

FIGURE 6



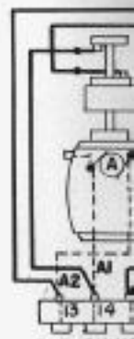
A. C. SERIES MOTOR UNIT MU 1

FIGURE 7



A. C. SERIES MOTOR UNIT WITH FILTER MU 27

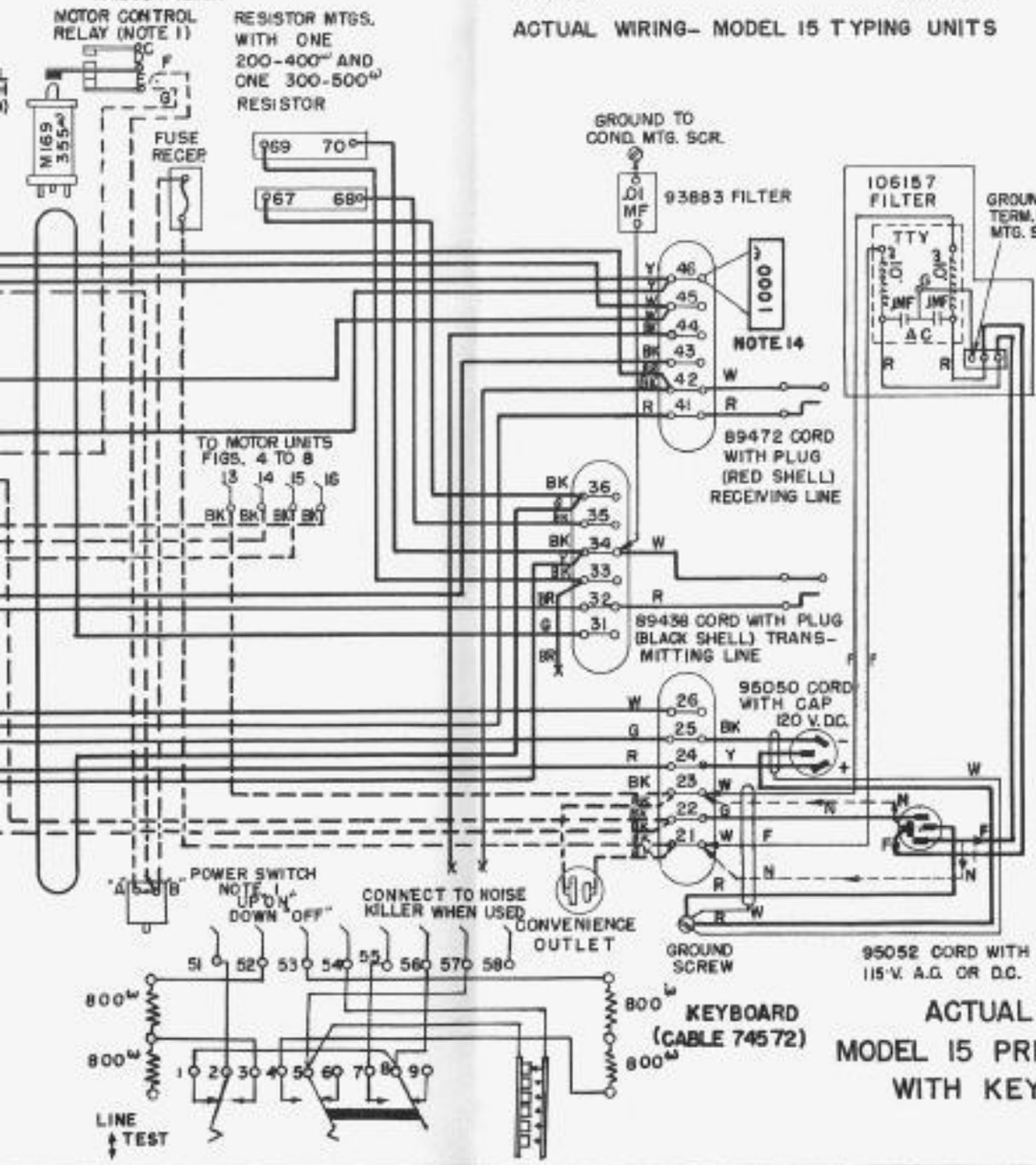
FIGU



D. C. SHUN MU 2

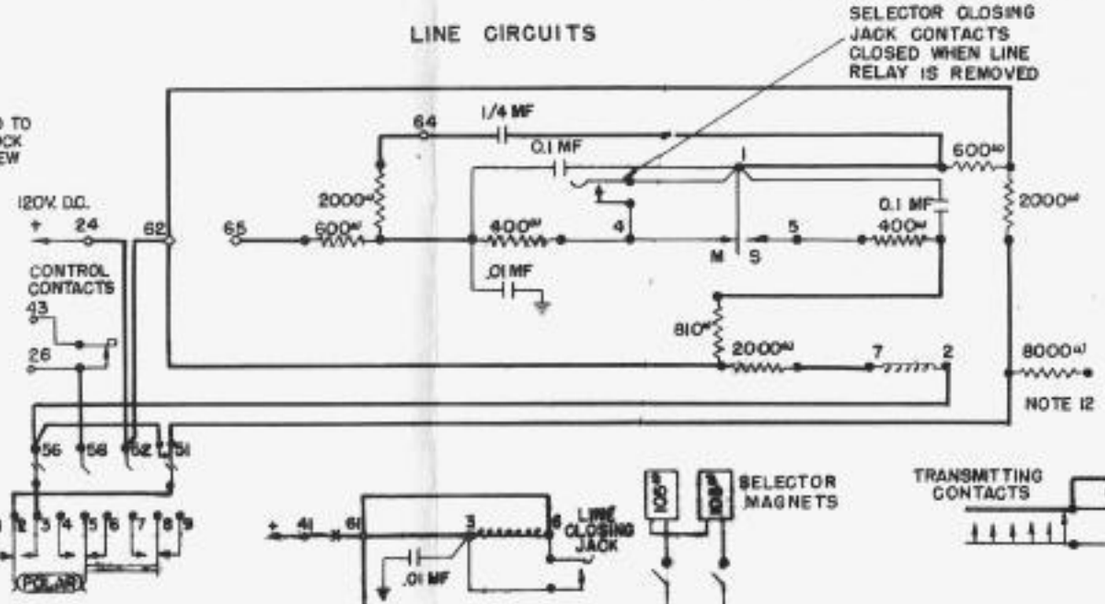
ACTUAL WIRING– MODEL 15 TYPING UNITS

ACTUAL WIRING– MOTOR UNITS

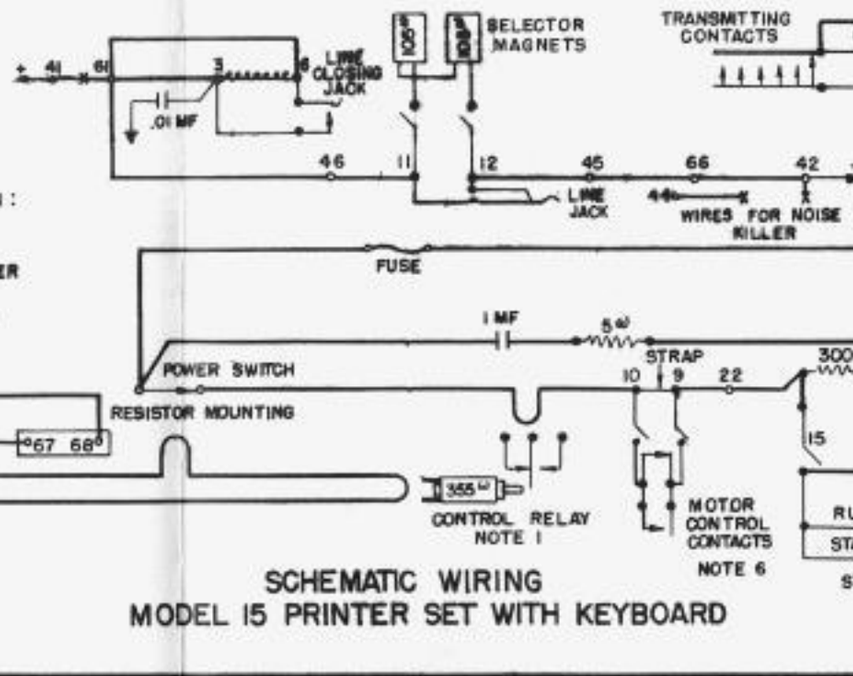


ACTUAL WIRING
MODEL 15 PRINTER SET
WITH KEYBOARD

LINE CIRCUITS



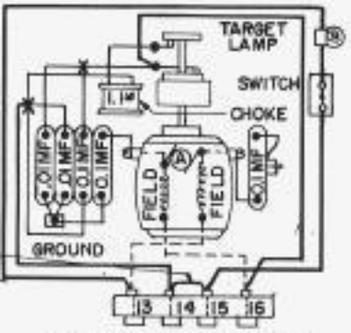
WIRING OF BASE AS SHOWN :
BB 61 AND BB 79 WITH 106157 FILTER
BB 51 WITHOUT 106157 FILTER
POWER AND LINE CORDS NOT FURNISHED ON BB 79



SCHEMATIC WIRING
MODEL 15 PRINTER SET WITH KEYBOARD

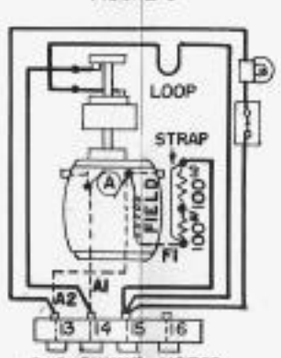
REVISIONS		
A	5-2-47	42055
B	9-15-47	42769
C	4-6-49	47129
D	11-24-50	50384
E	6-22-51	51867

FIGURE 7



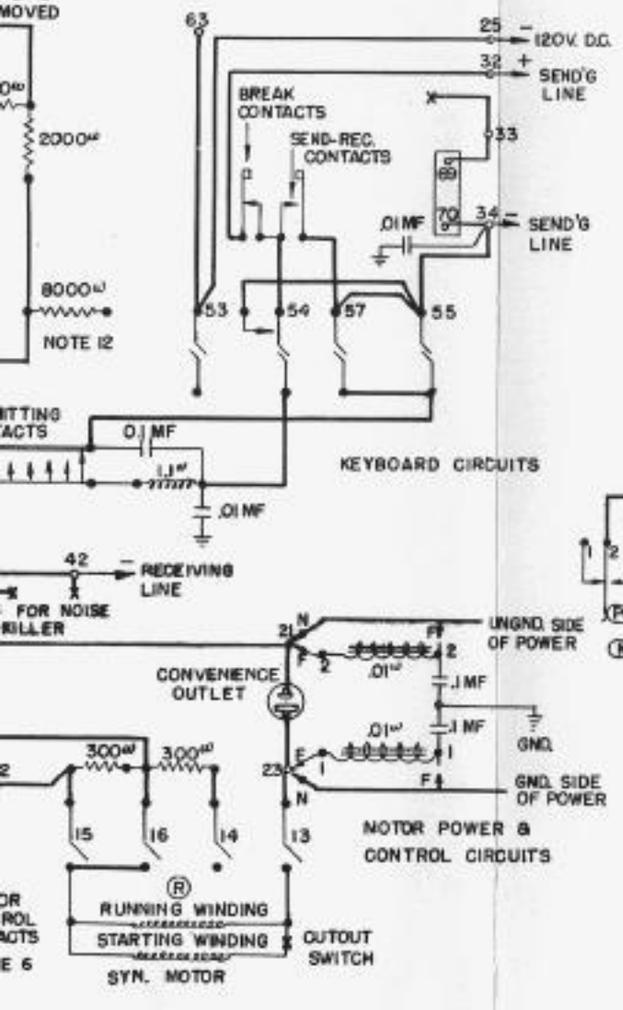
A.C. SERIES MOTOR UNIT WITH FILTER MU 27

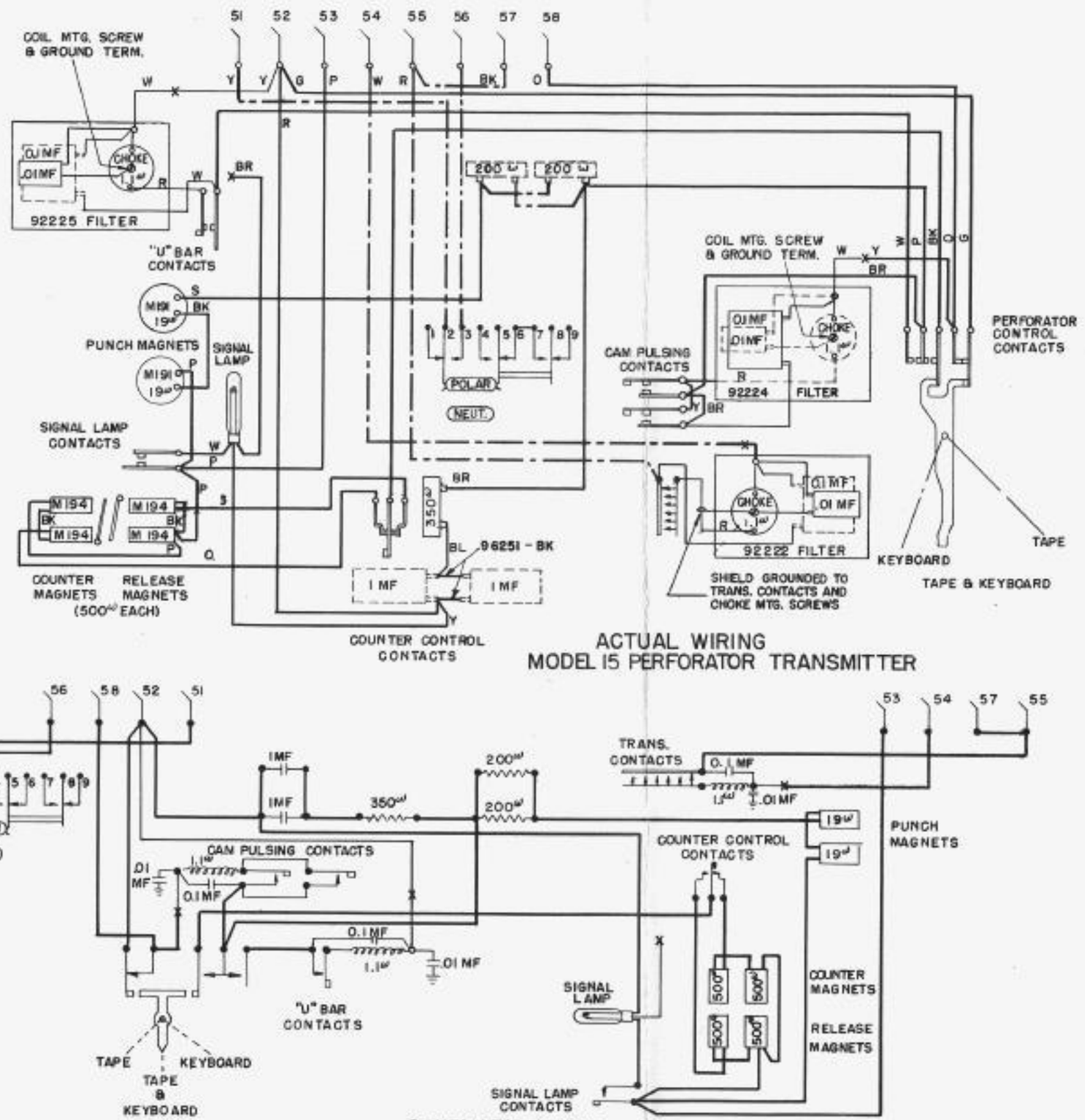
FIGURE 8



D. C. SHUNT MOTOR MU 2

R UNITS





ACTUAL WIRING
MODEL 15 PERFORATOR TRANSMITTER

SCHEMATIC WIRING
MODEL 15 PERFORATOR TRANSMITTER

WD- 2386
DATE: 10-24-45

WIRING DIAGRAM
MODEL 15 PRINTER
WITH KEYBOARD AND
PERFORATOR TRANSMITTER
(INCLUDING RADIO FILTERS)

BP 22, 117, 126, 134
BK 22, 200
BB 51, 61, 79
MU 1, 2, 4, 7, 8, 15, 27, 32
PEX 25

DRAWN: G.A.R
APPROVED:
ENG'R'D: R.P.L.
CHECKED:
FILE: 14-42.8AA

TELETYPE CORPORATION