

**BELL SYSTEM PRACTICES**  
Teletypewriter Stations

**SECTION P35.301**  
Issue 5, May, 1955  
AT&TCo Standard

## **WIRING DIAGRAMS**

### **NO. 14 TYPE TELETYPEWRITERS**

#### **1. GENERAL**

1.01 This section gives the wiring of the various apparatus units which may be used in 14 type teletypewriter and typing reperforator sets as they are delivered from the factory. It also shows the wiring of a typical assembly involving a base and typing unit.

1.02 This section is being reissued to incorporate changes in Addendum Issue 1 and to show the selector magnet terminal block as an alternate arrangement in place of the selector magnet switch in Figs. 19, 22, 23 and 24.

1.03 Changes in the wiring of these units required to meet various operating conditions are shown in "M" plans in the section covering internal wiring variations in 14-type teletypewriter apparatus.

1.04 Where wire colors are not specified, the wires are black for all the units shown.

1.05 The following figures are included:

#### **2. TYPING UNITS AND TYPING REPERFORATOR UNITS**

- Fig. 1—Nos. 14-A, B, C, and D Typing Units  
(Synchronous Motor)
- Fig. 2—Nos. 14-E and F Typing Units  
(D-C Motor Unit)
- Fig. 3—Nos. 14-G and H Typing Units  
(A-C Series Motor)
- Fig. 4—No. 14-L Typing Unit  
(A-C Series Motor)
- Fig. 5—No. 14-K Typing Unit  
(A-C Series Motor—2-Speed Governor)
- Fig. 6—No. 14-M Typing Unit  
(Synchronous Motor)

- Fig. 7—No. 14-N Typing Unit  
(D-C Shunt Motor)
- Fig. 8—No. 14-P Typing Unit  
(A-C Series Motor)
- Fig. 9—No. 14-R Typing Unit  
(Synchronous Motor)
- Fig. 10—No. 14-S Typing Unit  
(D-C Shunt Motor)
- Fig. 11—No. 14-T Typing Unit  
(A-C Series Motor)
- Fig. 12—No. 14-U Typing Unit  
(Synchronous Motor)
- Fig. 13—No. 14-W Typing Unit  
(D-C Shunt Motor)
- Fig. 14—No. 14-Y Typing Unit  
(A-C Series Motor)
- Fig. 15—No. 14-AA Typing Unit  
(130-Volt D-C Motor Unit)
- Fig. 16—Nos. 14-AB and AF Typing Units  
(Synchronous Motor)
- Fig. 17—No. 14-AD Typing Unit  
(D-C Shunt Motor)
- Fig. 18—No. 14-AE Typing Unit  
(Synchronous Motor)
- Fig. 19—Nos. 14-AG, AH and AP Typing Units and Nos.  
14-M, P, S, T, AG, AH, AJ, AK and AL Typing  
Reperforator Units (Synchronous Motor)
- Fig. 20—Nos. 14-AS and 14-AT Typing Units  
(A-C Series Motor—2-Speed Governor)
- Fig. 21—Nos. 14-AU, 14-AW, 14-AY and 14-BA  
Typing Units (Synchronous Motor)
- Fig. 22—Nos. 14-N, 14-R, 14-U and 14-W Typing  
Reperforator Units and Nos. 14-AJ, AK and  
AR Typing Units (D-C Shunt Motor)
- Fig. 23—Nos. 14-AM and 14-AN Typing Reperforator Units  
and Nos. 14-AL and AM Typing Units  
(A-C Series Motor)
- Fig. 24—Nos. 14-AP and AR Typing Reperforator Units  
(Synchronous Motor)

### 3. BASES

- Fig. 25—Nos. 14-A and S Teletypewriter Bases and No.  
14-N Typing Reperforator Base

- Fig. 26—Nos. 14-B and T Teletypewriter Bases  
 Fig. 27—No. 14-H Teletypewriter Base  
 Fig. 28—No. 14-J Teletypewriter Base  
 Fig. 29—No. 14-K Teletypewriter Base  
 Fig. 30—No. 14-L Teletypewriter Base  
 Fig. 31—No. 14-M Teletypewriter Base  
 Fig. 32—Nos. 14-N and P Teletypewriter Bases  
 Fig. 33—No. 14-R Teletypewriter Base  
 Fig. 34—No. 14-U Teletypewriter Base  
 Fig. 35—Nos. 14-M, U, W, Y and AA Typing Reperforator Bases  
 Fig. 36—No. 14-P Typing Reperforator Base.  
 Fig. 37—No. 14-AB Typing Reperforator Base  
 Fig. 38—Nos. 14-AD and 14-AE Typing Reperforator Bases

#### 4. TYPICAL CIRCUITS

- Fig. 39—No. 14-Type Teletypewriter—Typical Circuit  
 (14-A Typing Unit, 14-B Base)

#### 2. TYPING UNITS AND TYPING REPERFORATOR UNITS

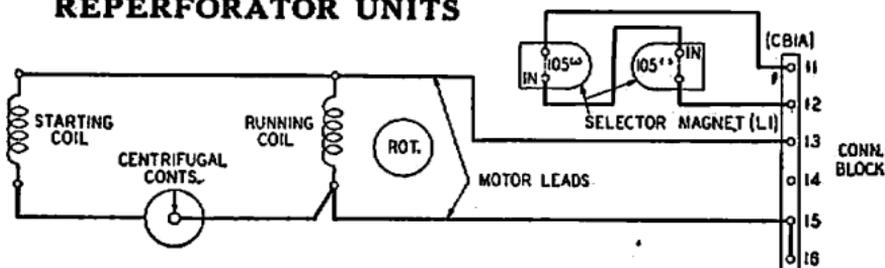


Fig. 1—Nos. 14-A, B, C, and D Typing Units  
 (Synchronous Motor)

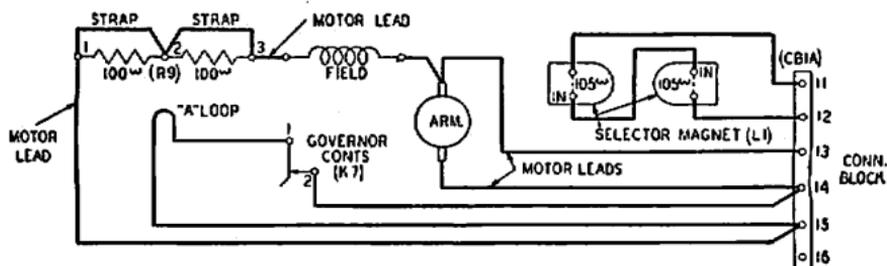
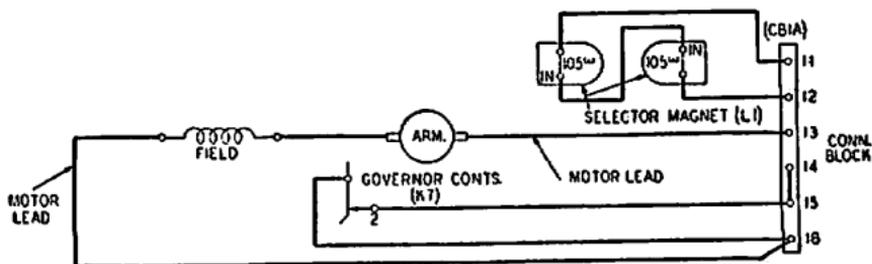
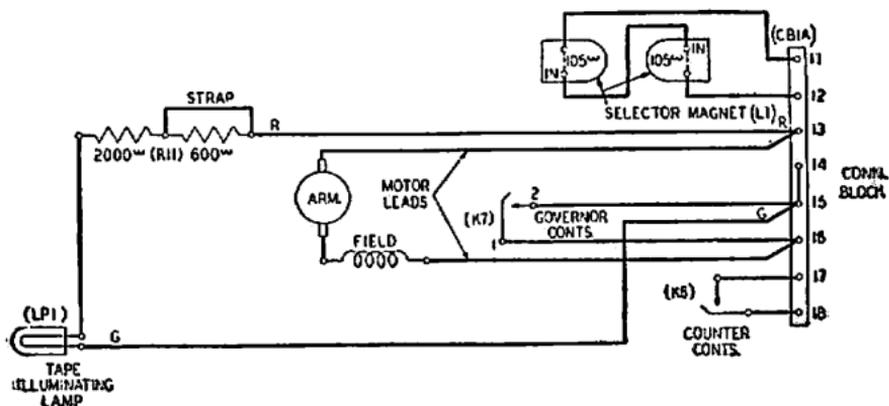


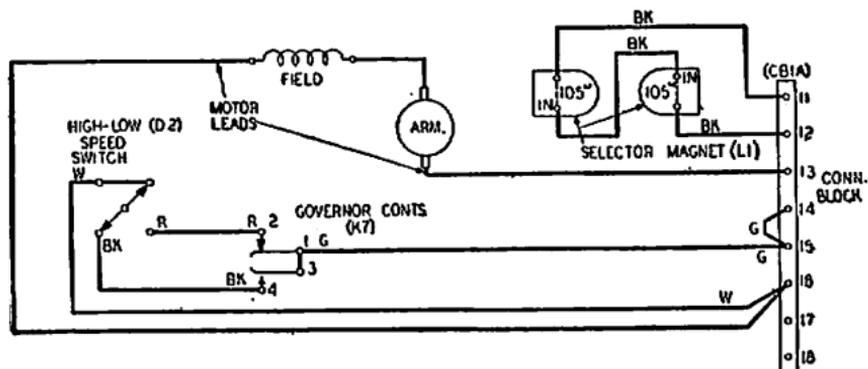
Fig. 2—Nos. 14-E and F Typing Units  
 (D-C Motor Unit)



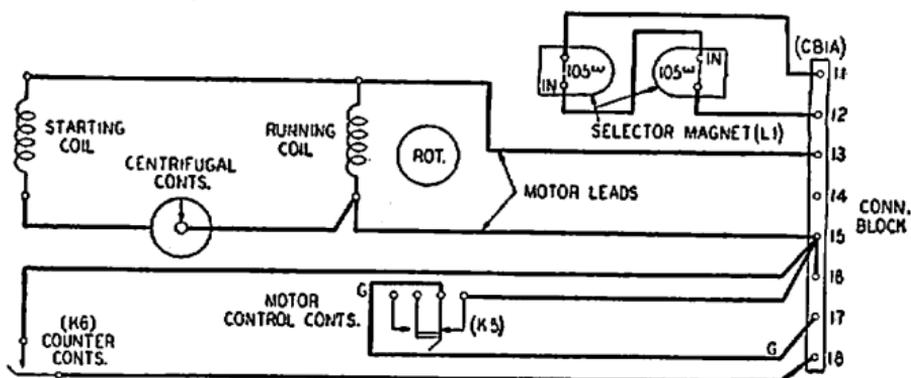
**Fig. 3—Nos. 14-G and H Typing Units  
(A-C Series Motor)**



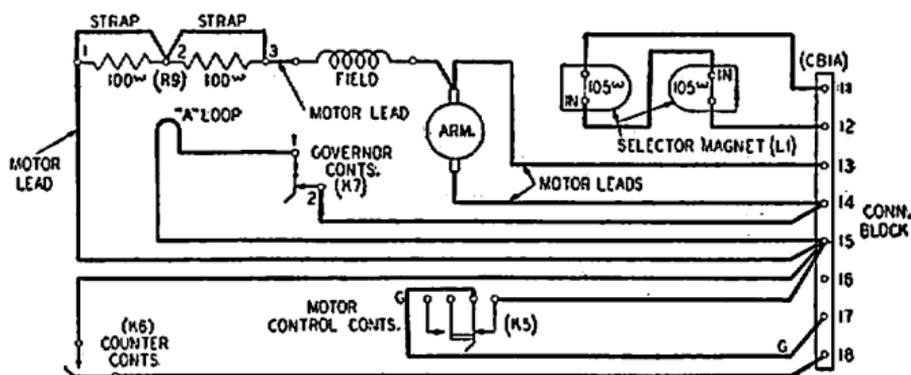
**Fig. 4—No. 14-L Typing Unit  
(A-C Series Motor)**



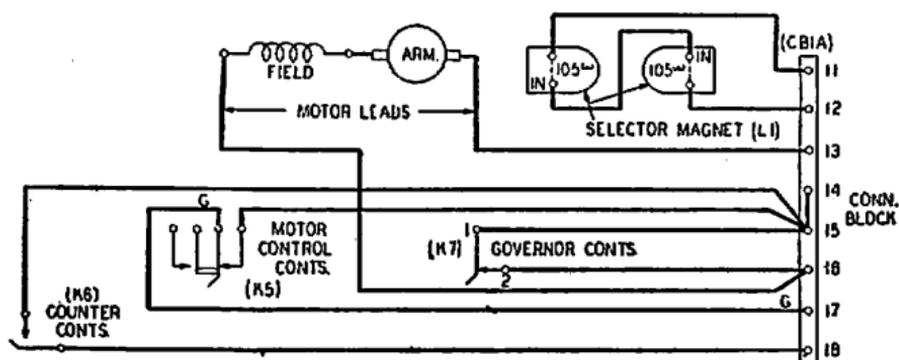
**Fig. 5—No. 14-K Typing Unit (A-C Series Motor—  
2-Speed Governor)**



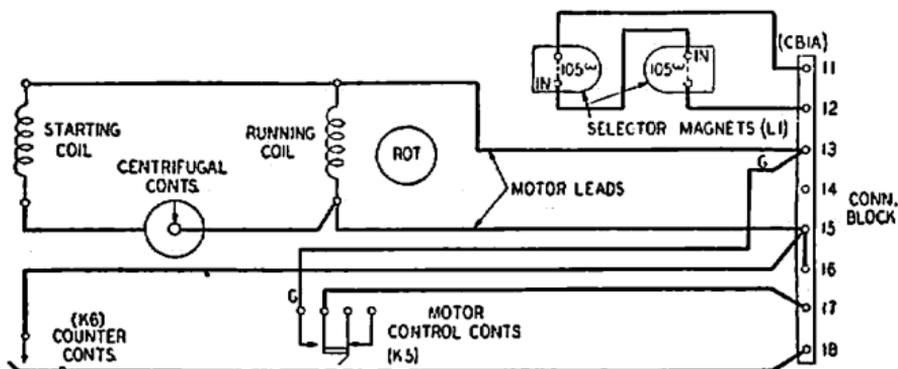
**Fig. 6—No. 14-M Typing Unit  
(Synchronous Motor)**



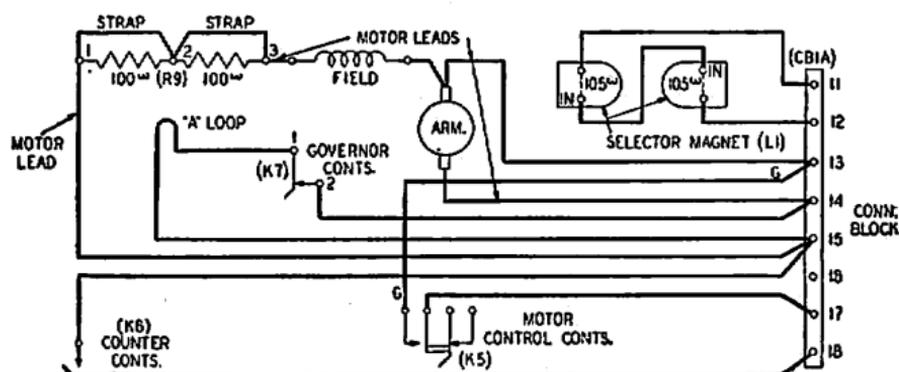
**Fig. 7—No. 14-N Typing Unit  
(D-C Shunt Motor)**



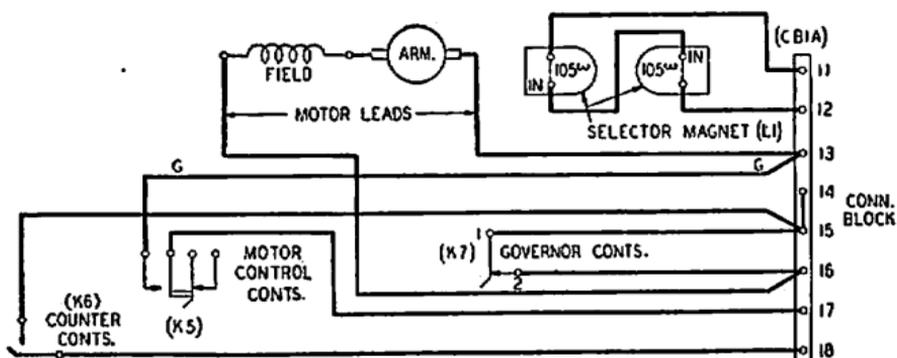
**Fig. 8—No. 14-P Typing Unit  
(A-C Series Motor)**



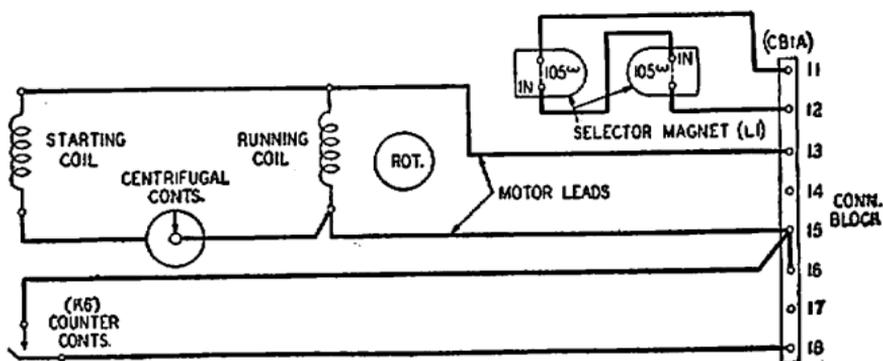
**Fig. 9—No. 14-R Typing Unit  
(Synchronous Motor)**



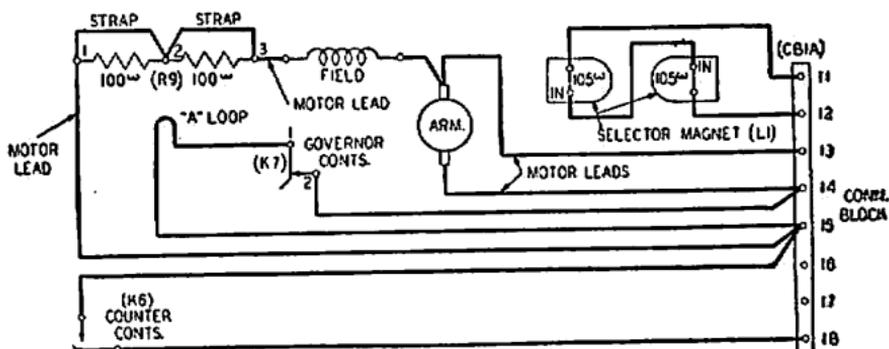
**Fig. 10—No. 14-S Typing Unit  
(D-C Shunt Motor)**



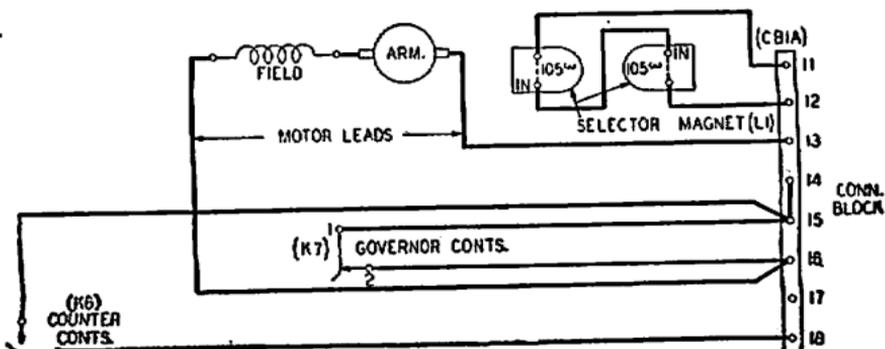
**Fig. 11—No. 14-T Typing Unit  
(A-C Series Motor)**



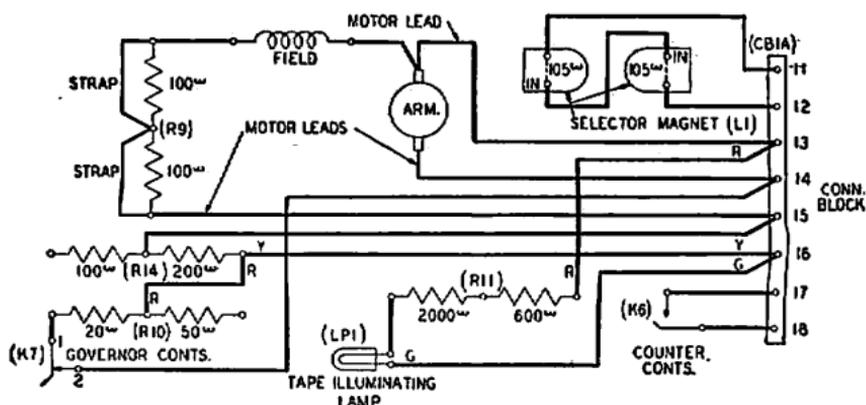
**Fig. 12—No. 14-U Typing Unit  
(Synchronous Motor)**



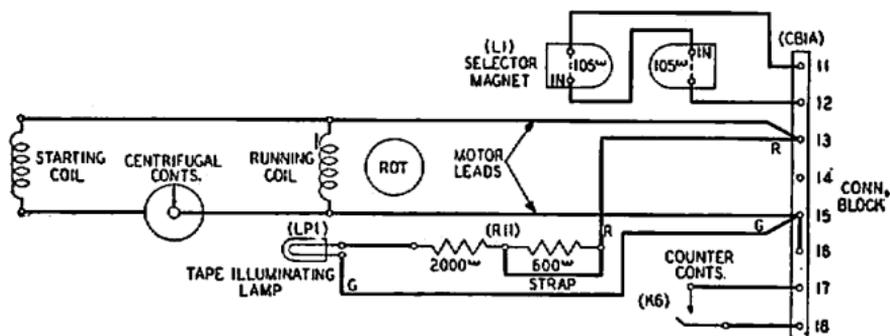
**Fig. 13—No. 14-W Typing Unit  
(D-C Shunt Motor)**



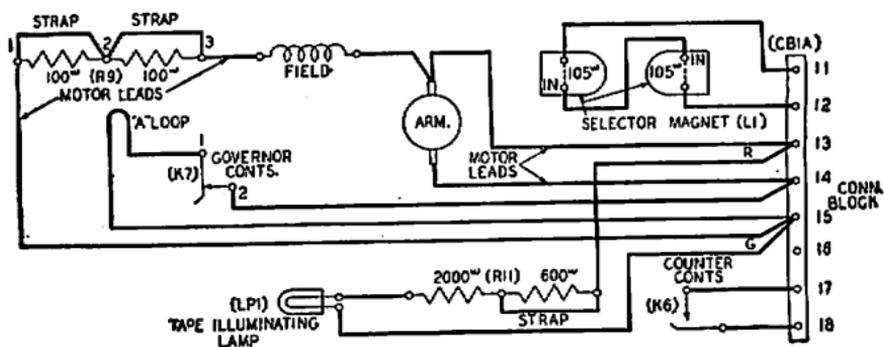
**Fig. 14—No. 14-Y Typing Unit  
(A-C Series Motor)**



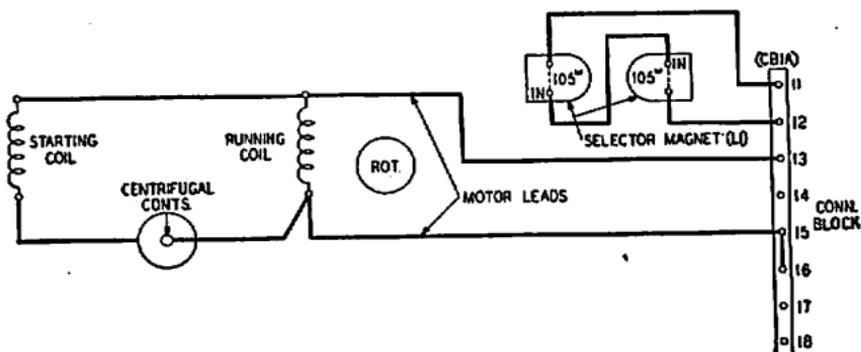
**Fig. 15—No. 14-AA Typing Unit  
(130-Volt D-C Motor Unit)**



**Fig. 16—Nos. 14-AB and AF Typing Units  
(Synchronous Motor)**



**Fig. 17—No. 14-AD Typing Unit  
(D-C Shunt Motor)**



**Fig. 18—No. 14-AE Typing Unit  
(Synchronous Motor)**

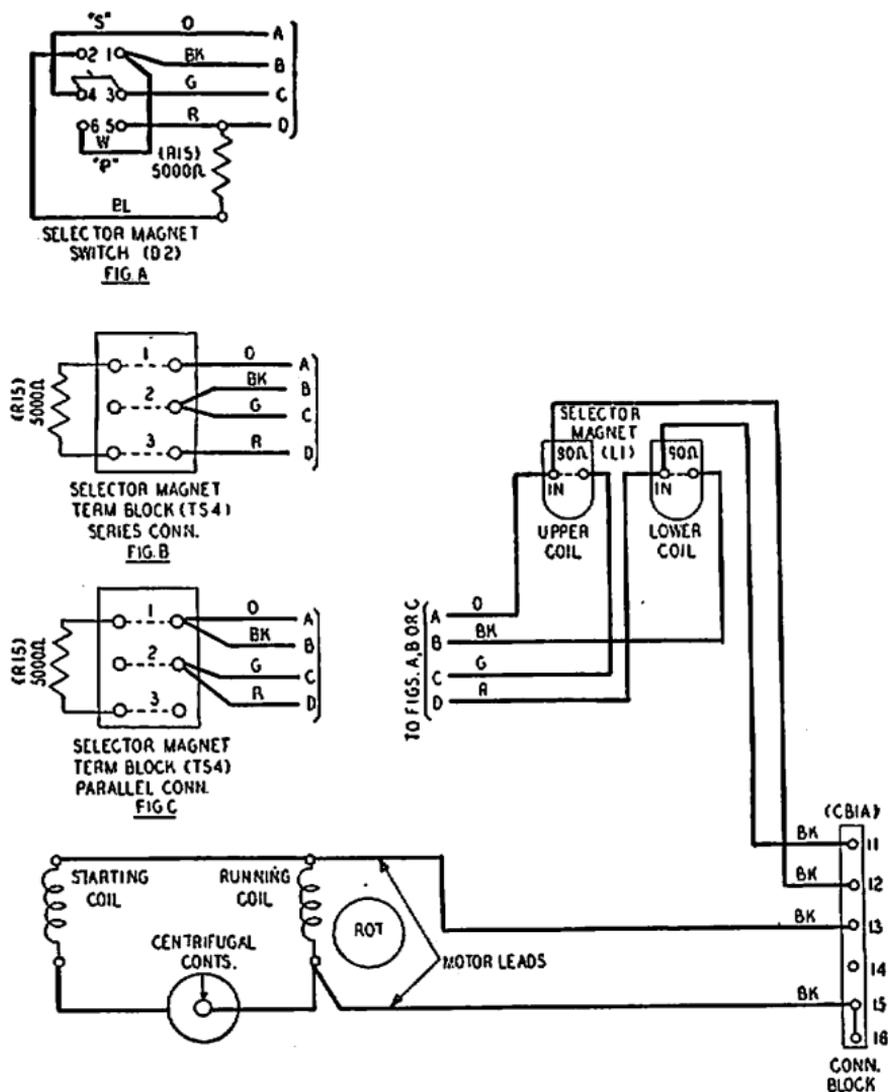
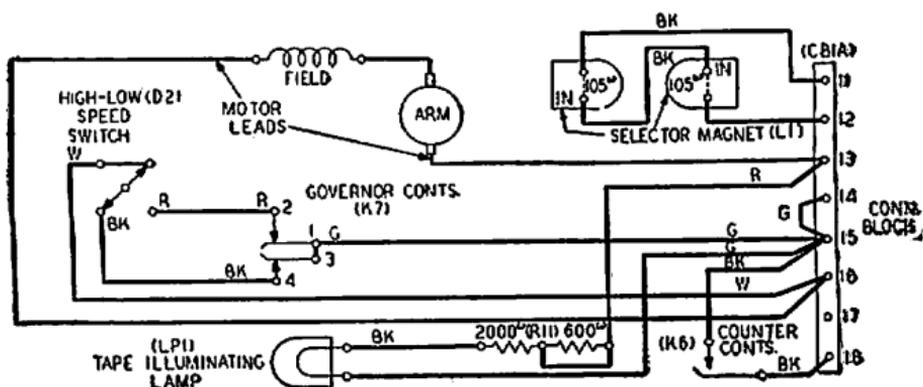
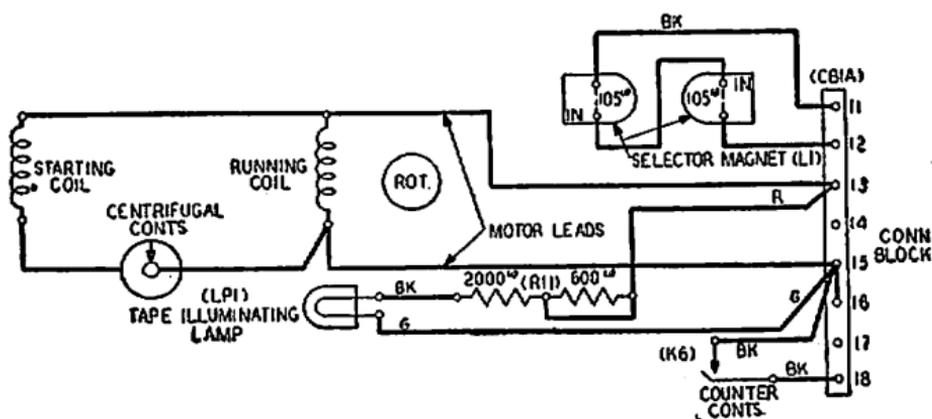


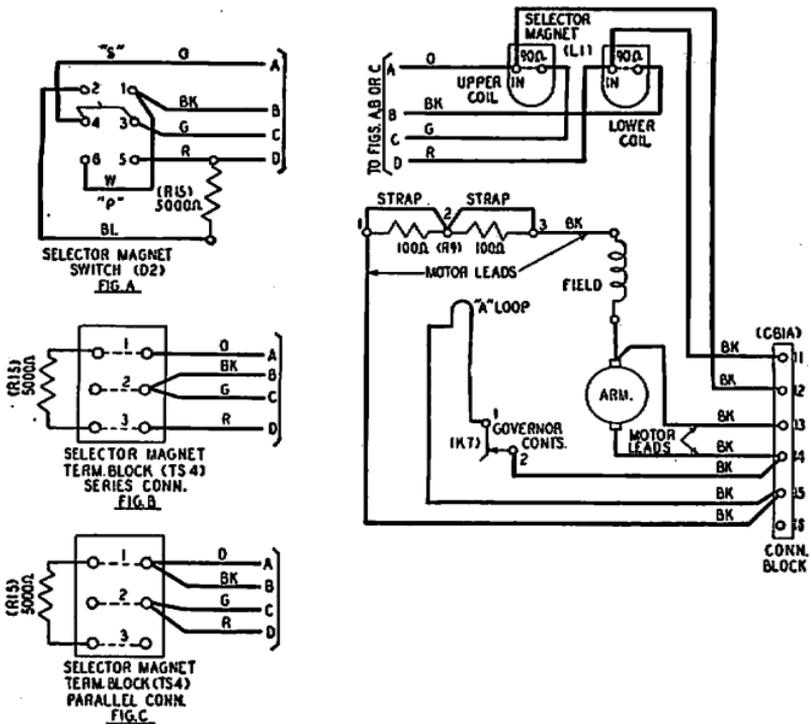
Fig. 19—Nos. 14-AG, AH and AP Typing Units and Nos. 14-M, P, S, T, AG, AH, AJ, AK and AL Typing Reperforator Units (Synchronous Motor)



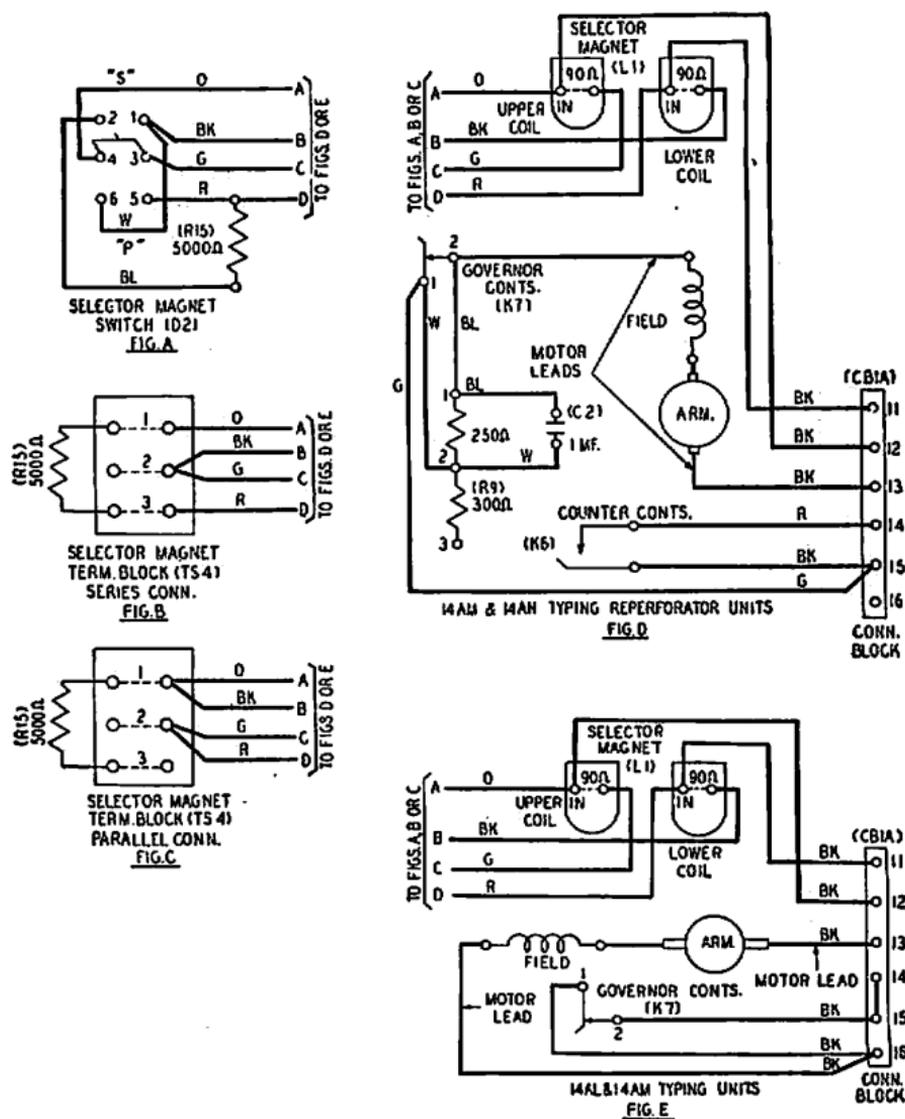
**Fig. 20—Nos. 14-AS and 14-AT Typing Units (A-C Series Motor—2-Speed Governor)**



**Fig. 21—Nos. 14-AU, 14-AW, 14-AY and 14-BA Typing Units (Synchronous Motor)**



**Fig. 22—Nos. 14-N, 14-R, 14-U and 14-W Typing Reperforator Units and Nos. 14-AJ, AK and AR Typing Units (D-C Shunt Motor)**



**Fig. 23—Nos. 14-AM and 14-AN Typing Reperforator Units, and Nos. 14-AL and AM Typing Units (A-C Series Motor)**

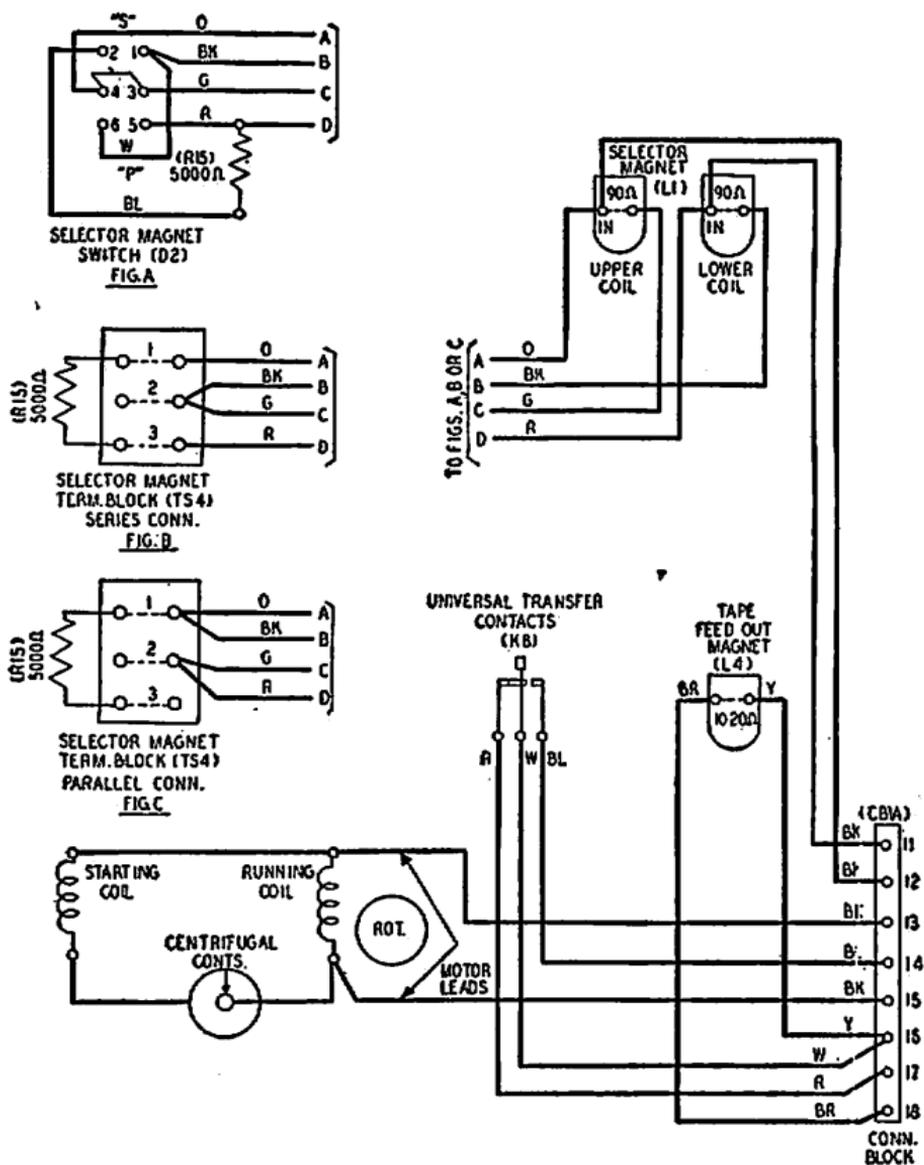


Fig. 24—Nos. 14-AP and AR Typing Reperforator Units (Synchronous Motor)

### 3. BASES

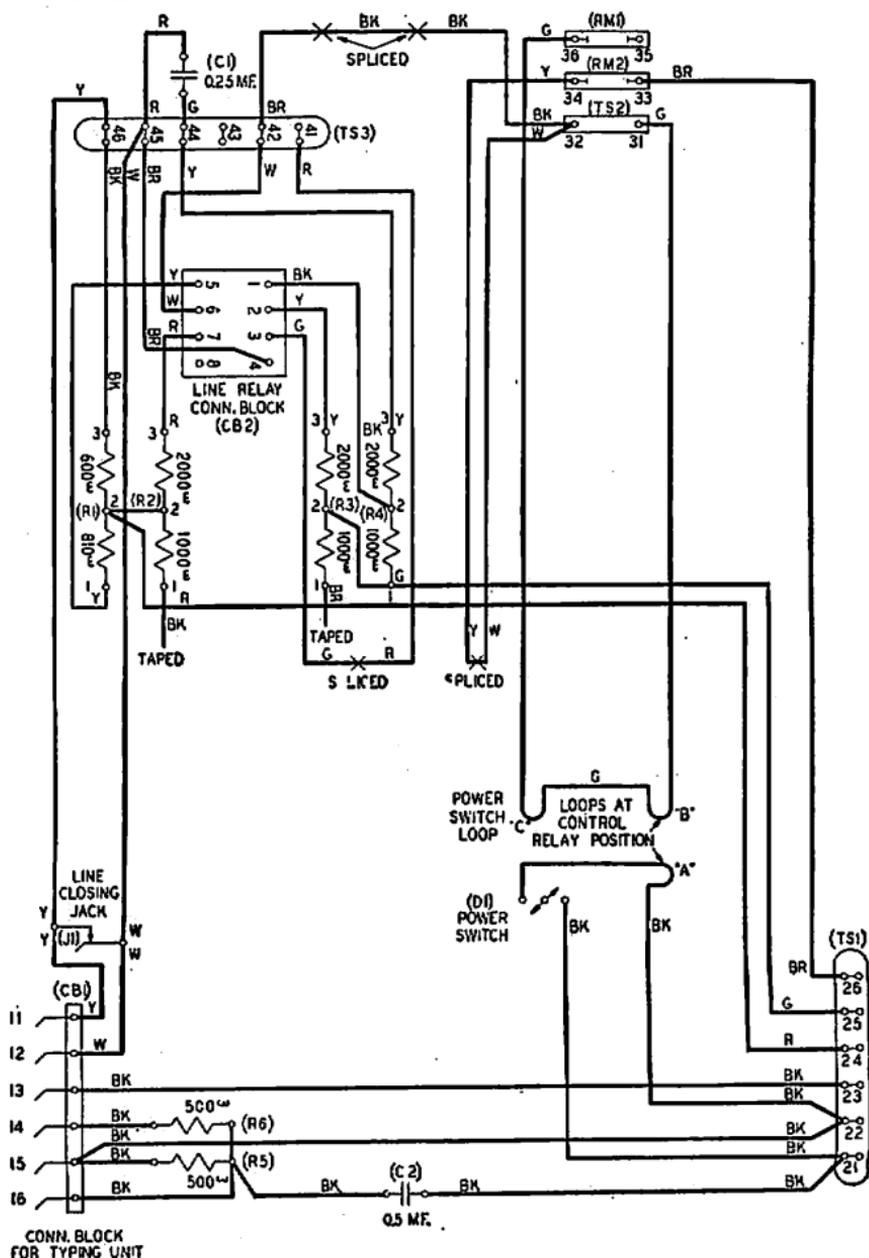


Fig. 25—Nos. 14-A and S Teletypewriter Bases and No. 14-N Typing Reperforator Base

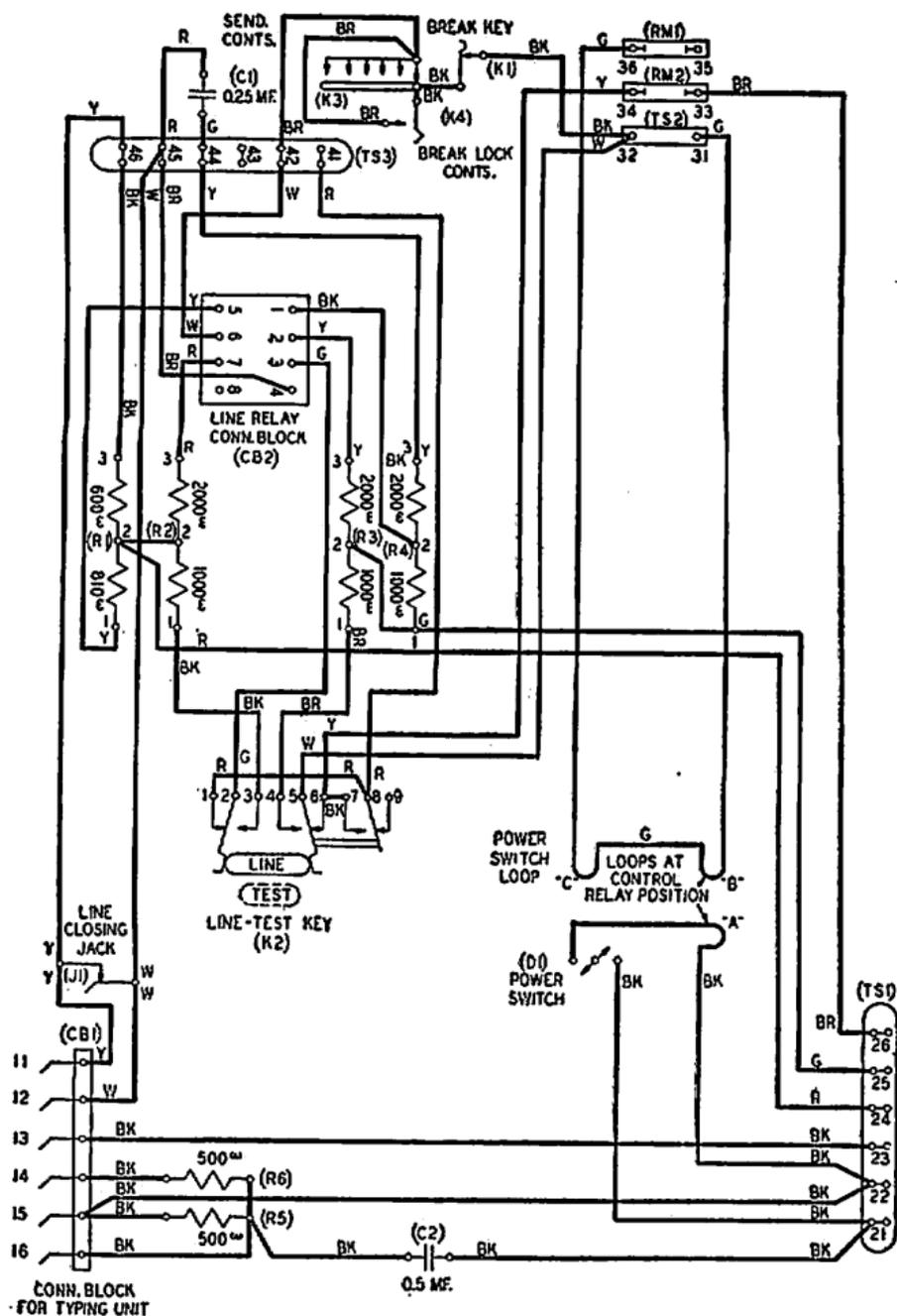


Fig. 26—Nos. 14-B and T Teletypewriter Bases



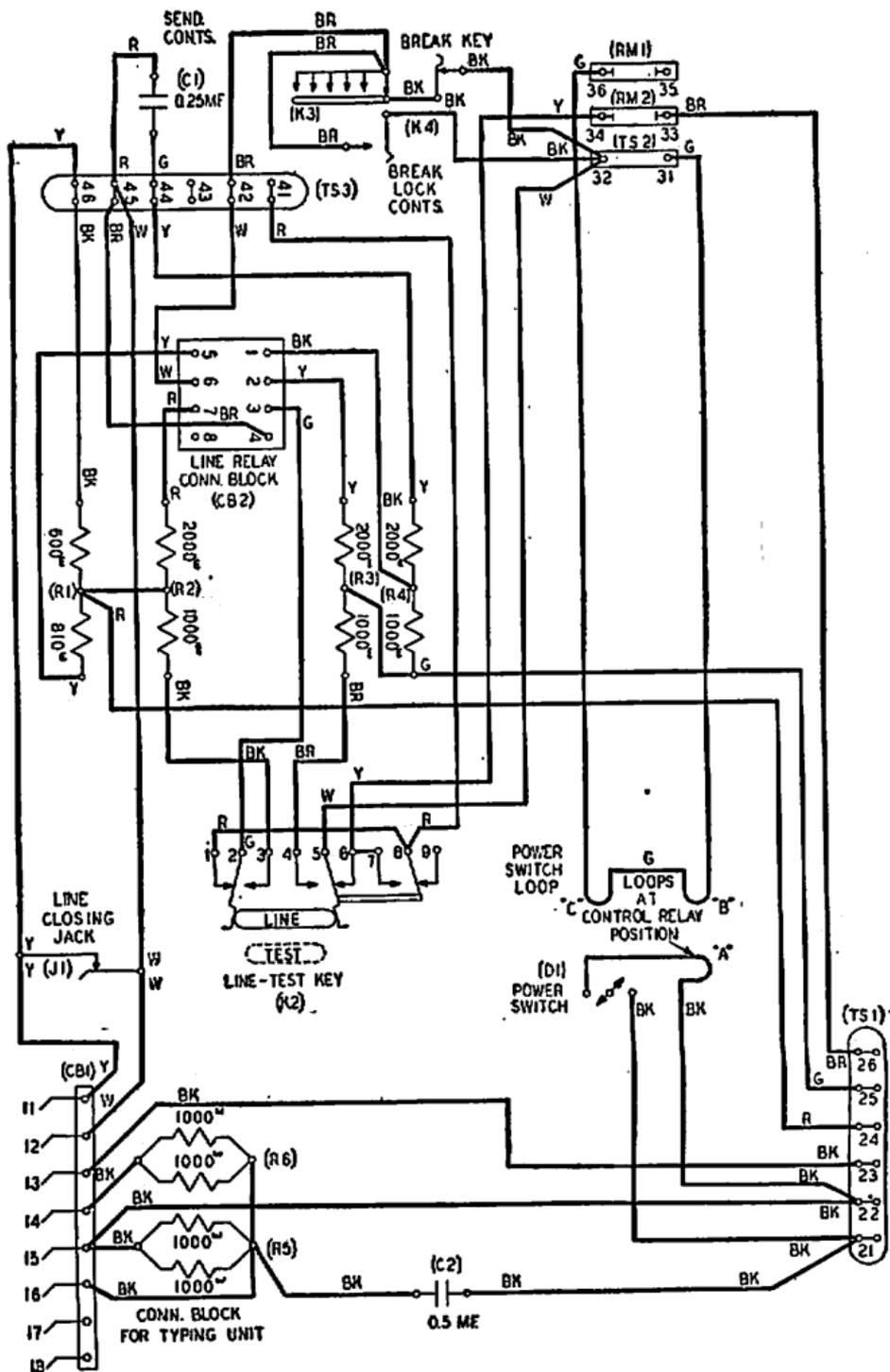


Fig. 27—No. 14-H Teletypewriter Base



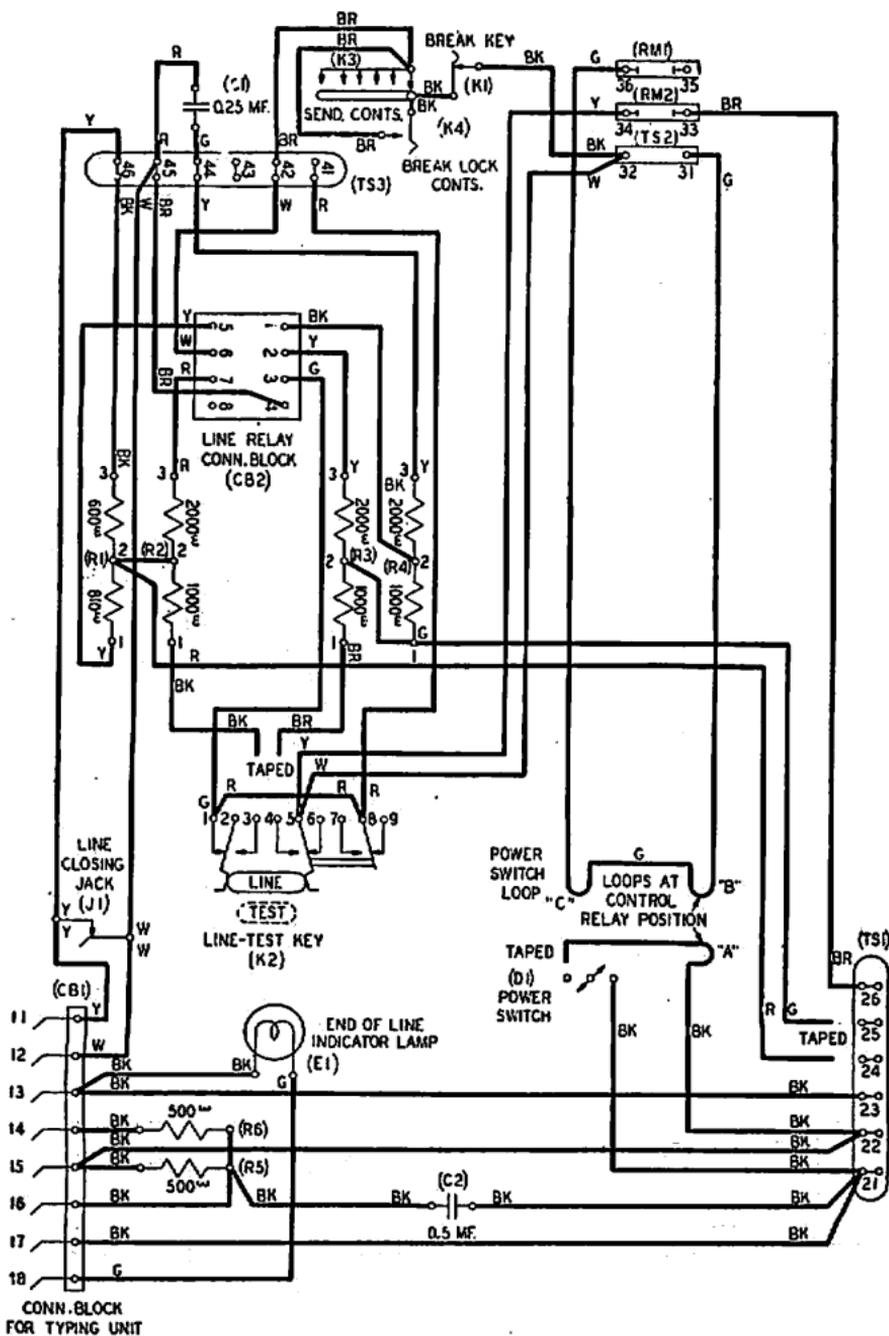


Fig. 29—No. 14-K Teletypewriter Base

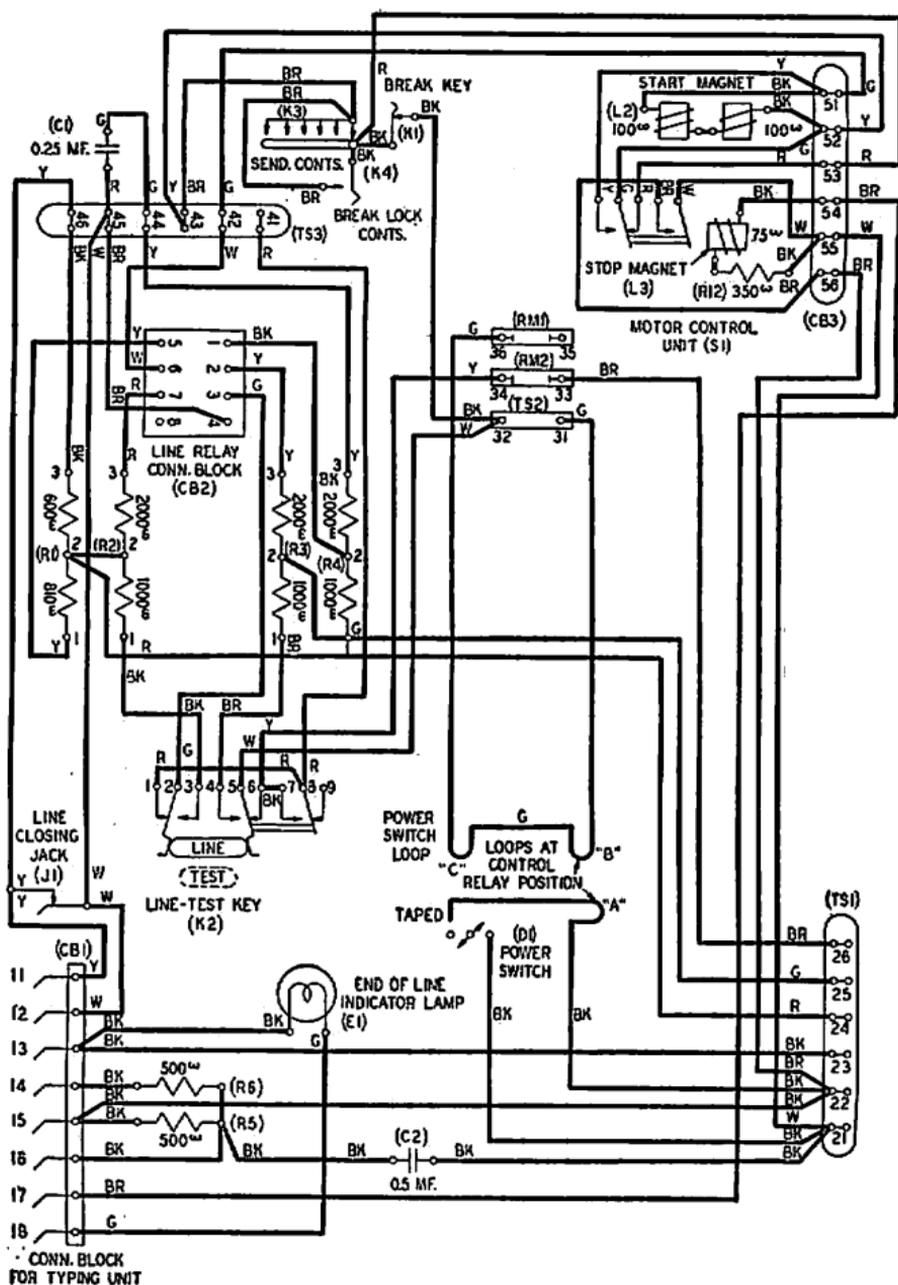
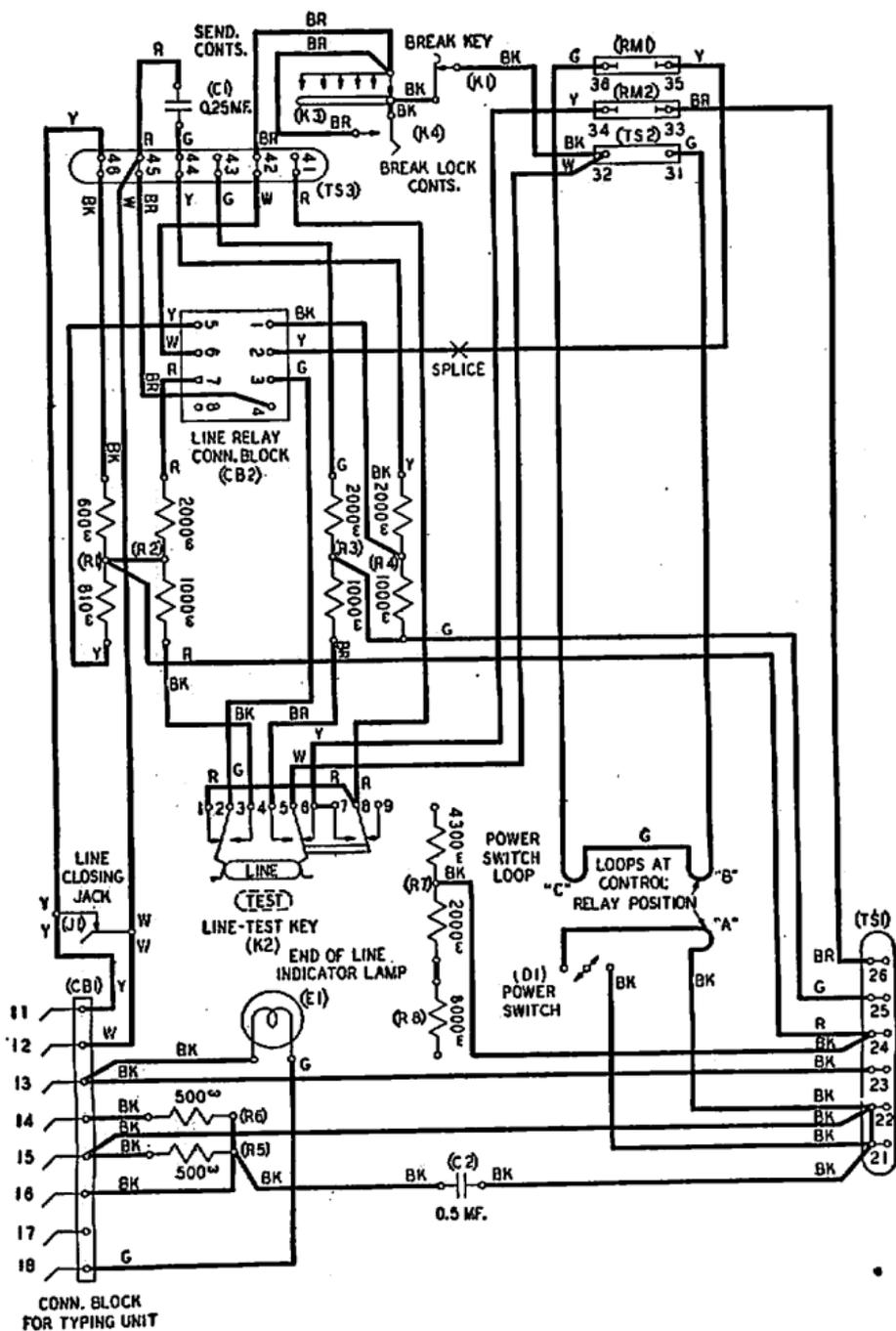


Fig. 30—No. 14-L Teletypewriter Base



**Fig. 31—No. 14-M Teletypewriter Base**

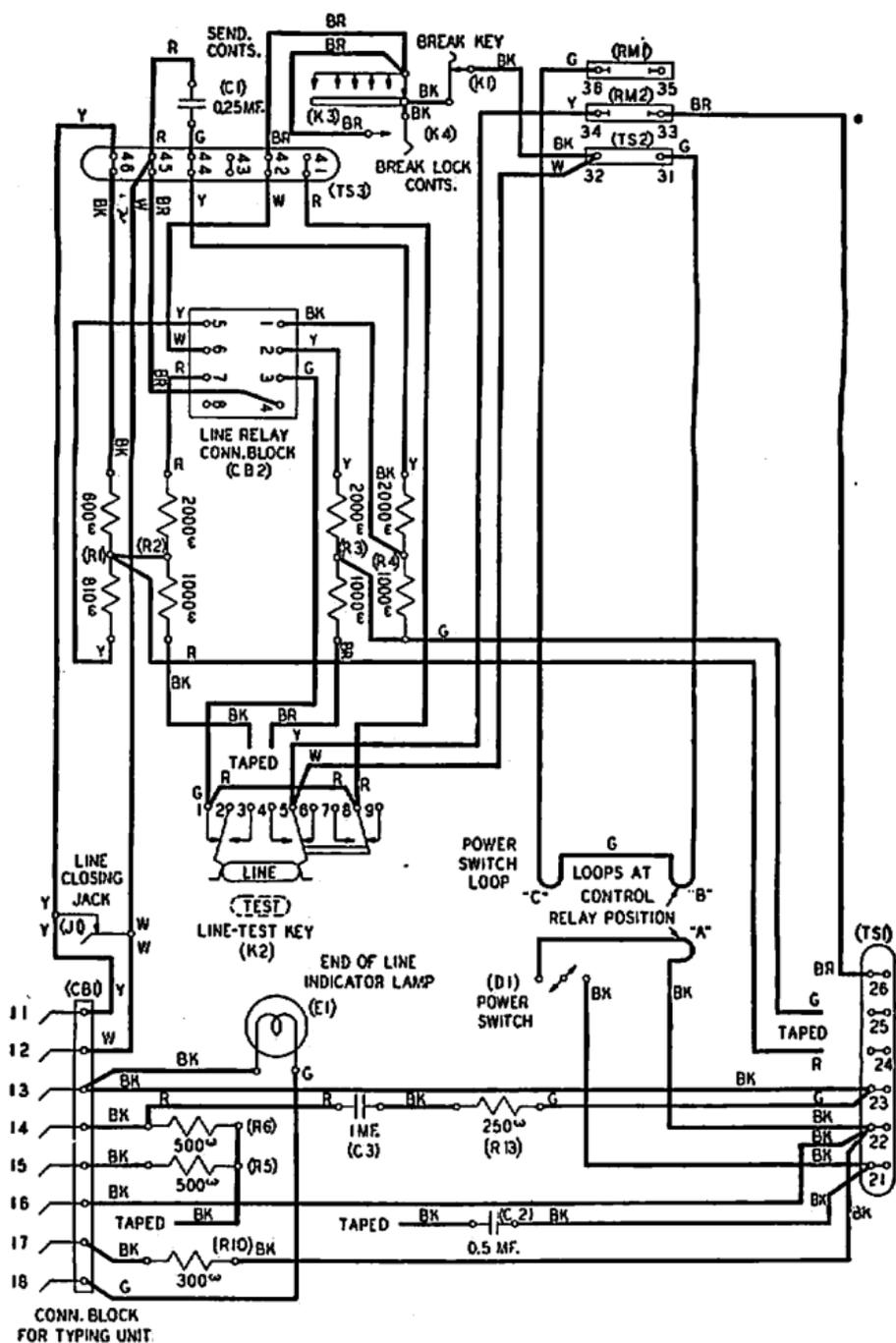


Fig. 32—Nos. 14-N and P Teletypewriter Bases

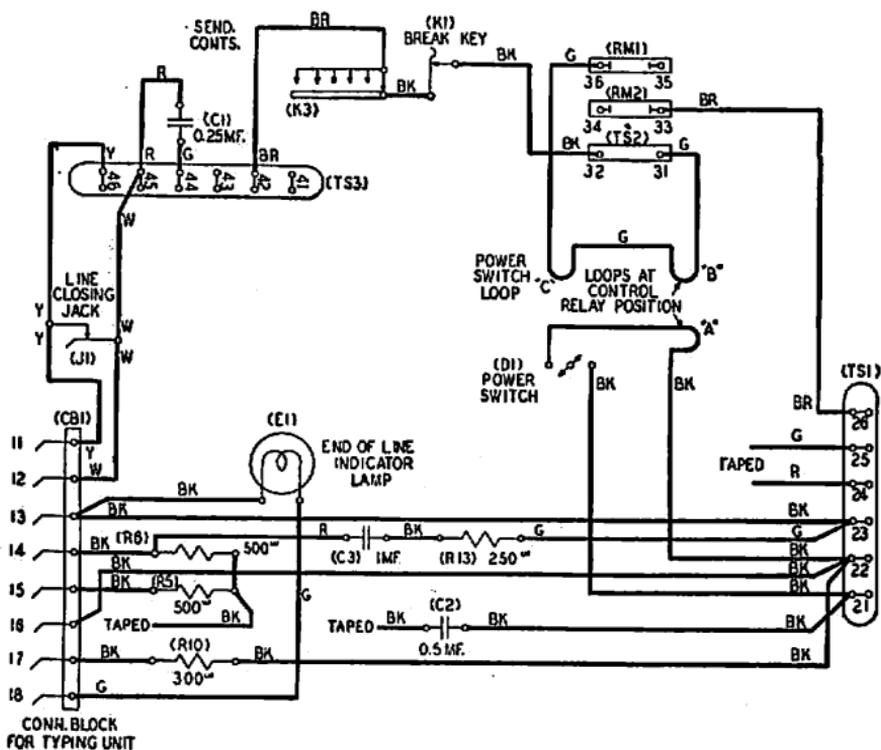


Fig. 33—No. 14-R Teletypewriter Base



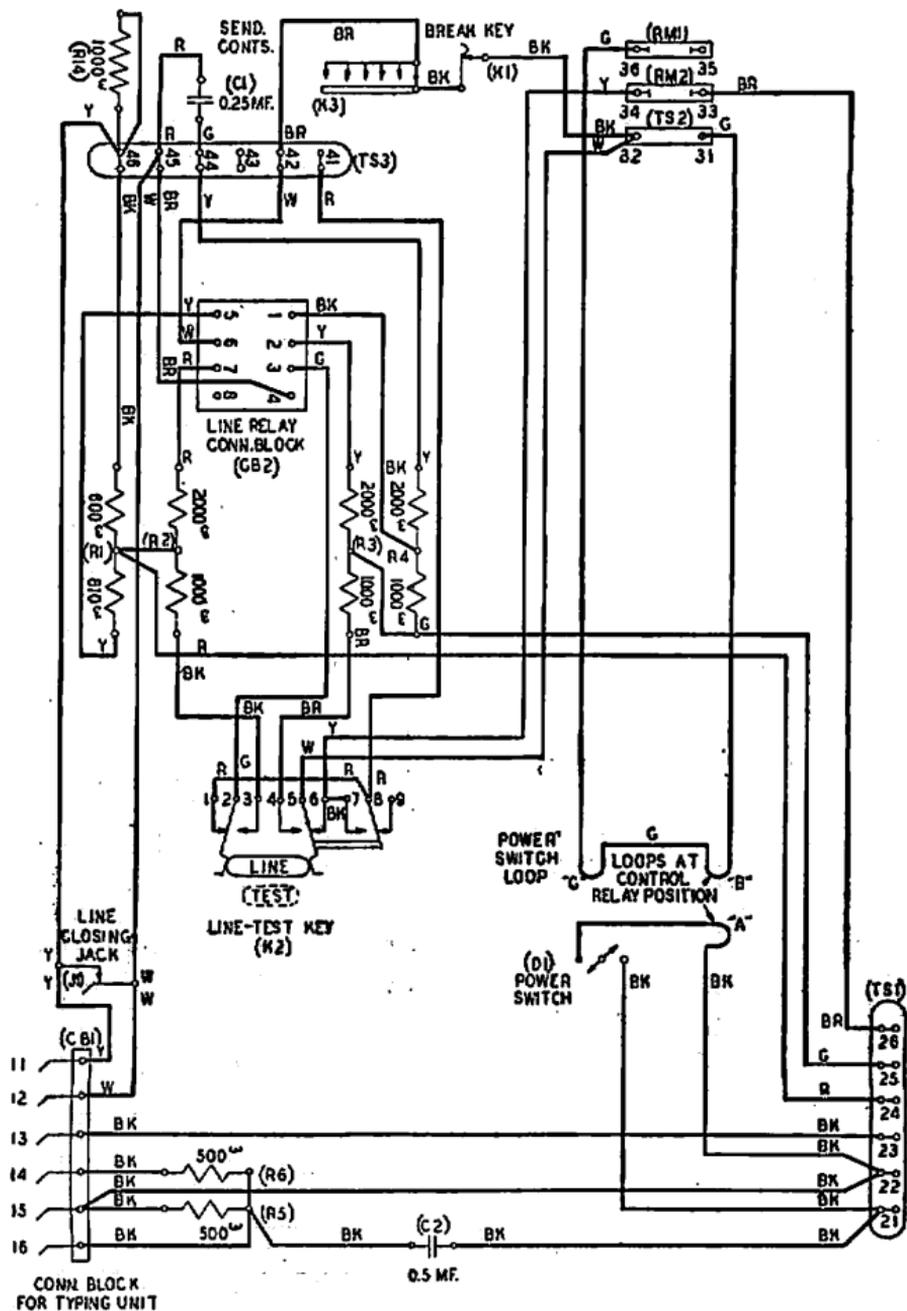


Fig. 35—Nos. 14-M, U, W, Y and AA Typing Reperforator Bases



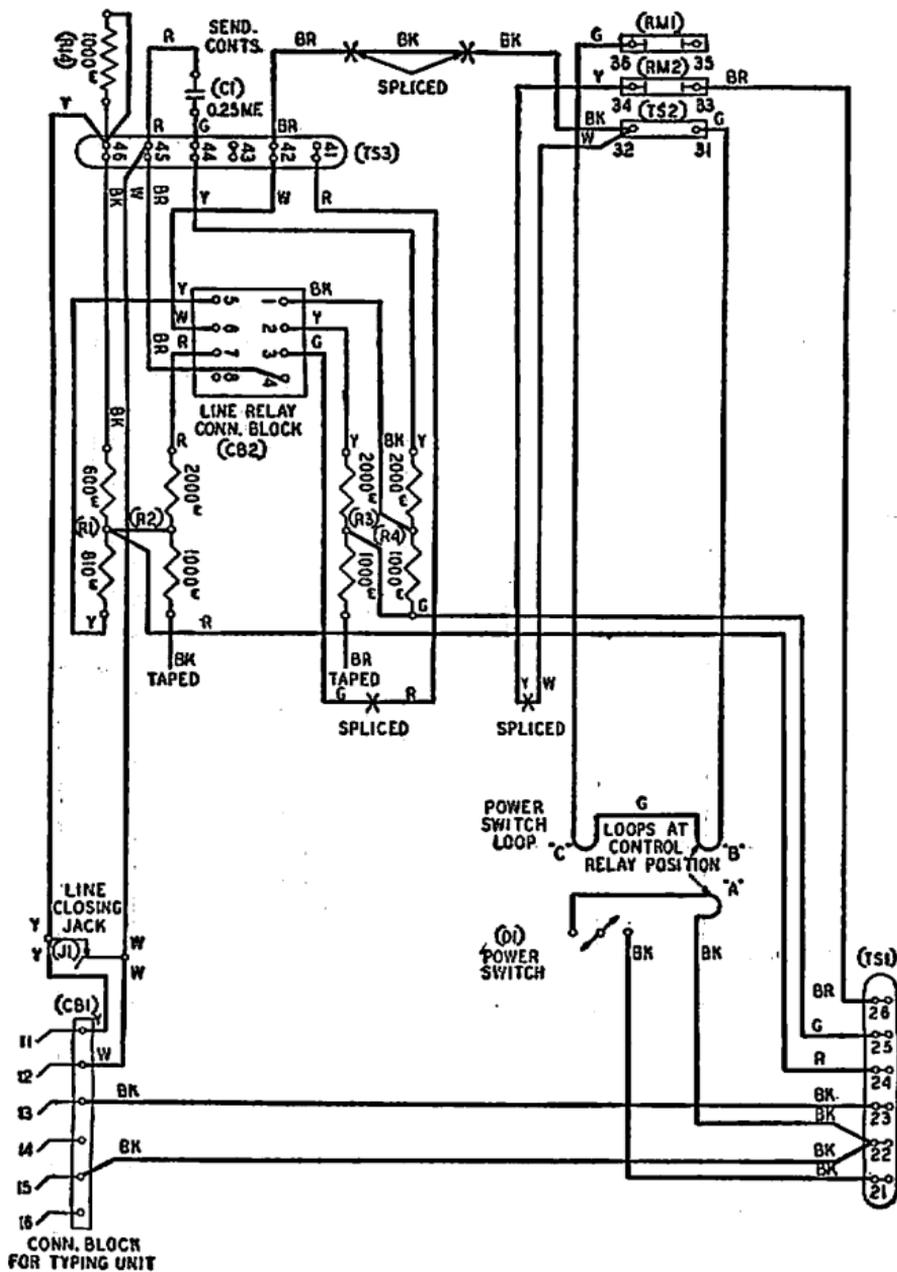


Fig. 37—No. 14-AB Typing Reperforator Base

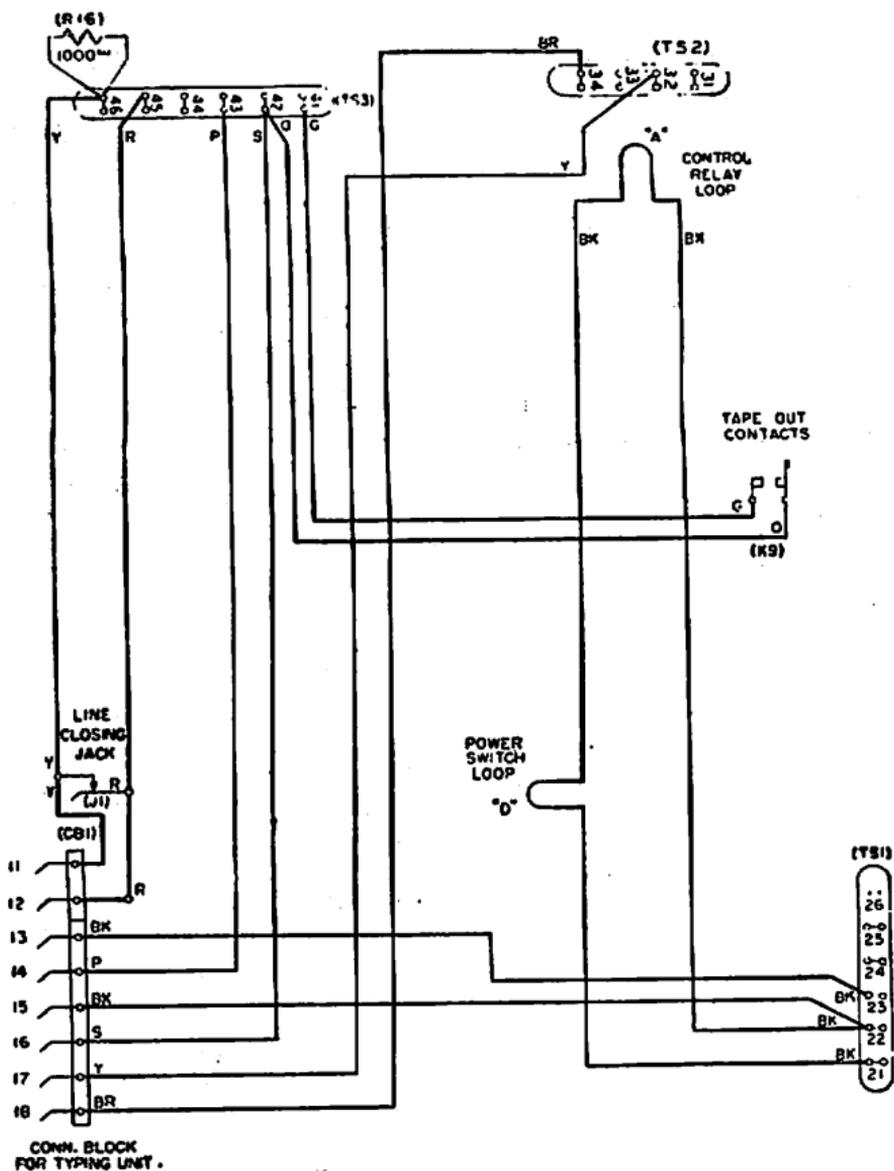
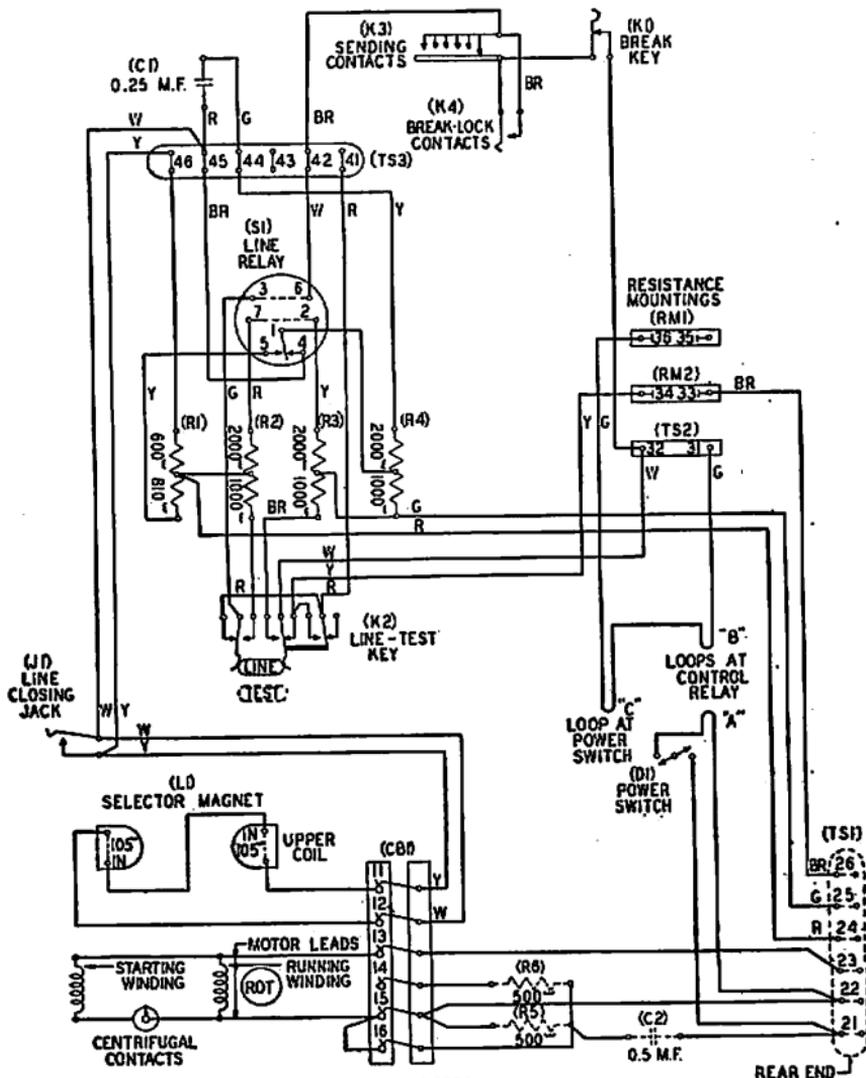


Fig. 38—Nos. 14-AD and 14-AE Typing Reperforator Bases

#### 4. TYPICAL CIRCUITS



**NOTES:**

1. ALL WIRES ARE DELTABESTON NO.18 ART SILK COVERED EXCEPT MOTOR LEADS.
2. APPARATUS SHOWN DOTTED IS UNDERNEATH BASE.
3. ALL LEADS NOT OTHERWISE COLORED ARE BLACK

**Fig. 39—No. 14-Type Teletypewriter—Typical Circuit (14-A Typing Unit, 14-B Base)**