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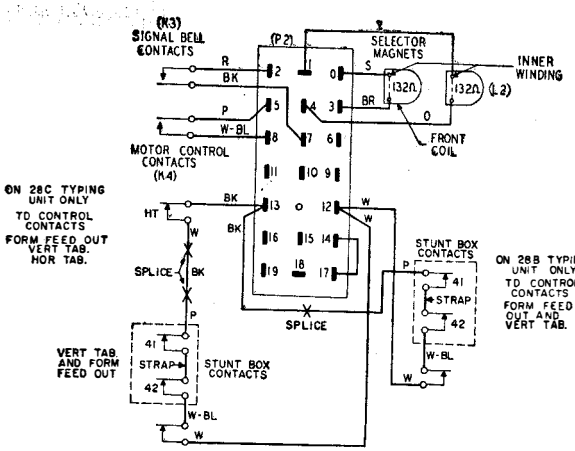
28-TYPE TELETYPEWRITER
TYPING UNIT, MOTOR UNIT AND BASE WIRING DIAGRAM

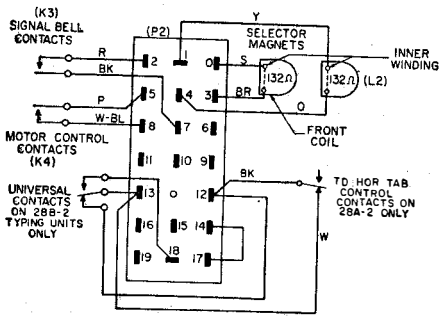
1. GENERAL

1.01 This section shows the wiring diagram of the 28-type typing units, motor units and teletypewriter bases.

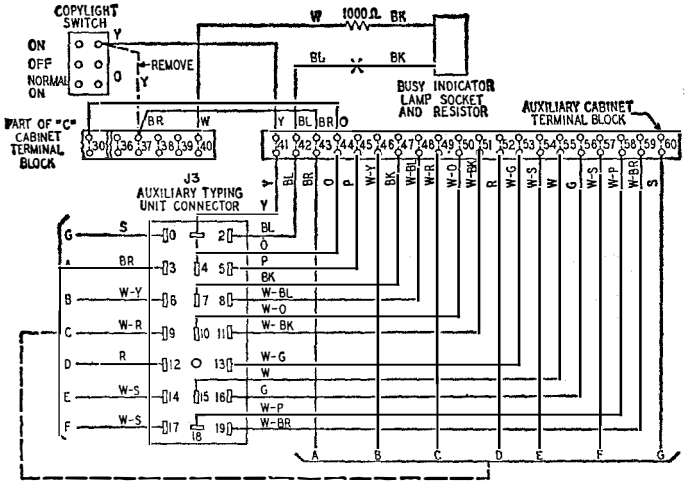
1.02 This section is reissued to add the wiring of the 28J, 28J-1, 28U, 28W, 28AB, 28AC, 28LF typing units, and the 28H and 28H-1 teletypewriter bases. The drawing showing the wiring of the 28L, 28S and 28T typing units has been reissued to add horizontal tabulation contacts, vertical tabulation and form feed-out contacts. Note 2 has been added to the drawing showing the wiring of the 28LB, 28LC, 28LD, 28LE and 28LF typing units.



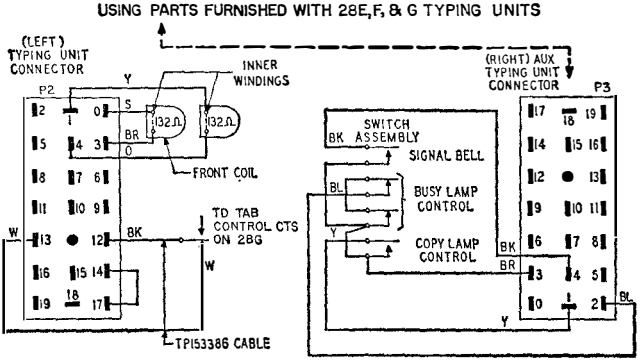
28A, 28A-1, 28B, 28C, 28D TYPING UNITS



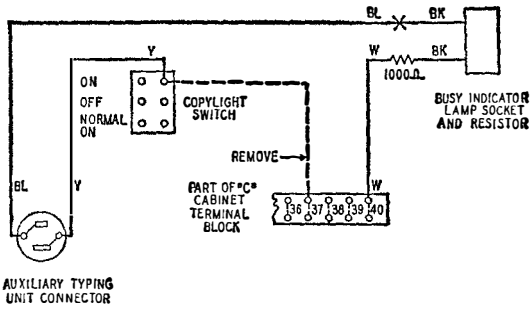
28A-2 AND 28B-2 TYPING UNITS



MODIFICATION OF WIRING OF 28B,C,D & E TTY CABINETS
USING PARTS FURNISHED WITH 28E,F, & G TYPING UNITS

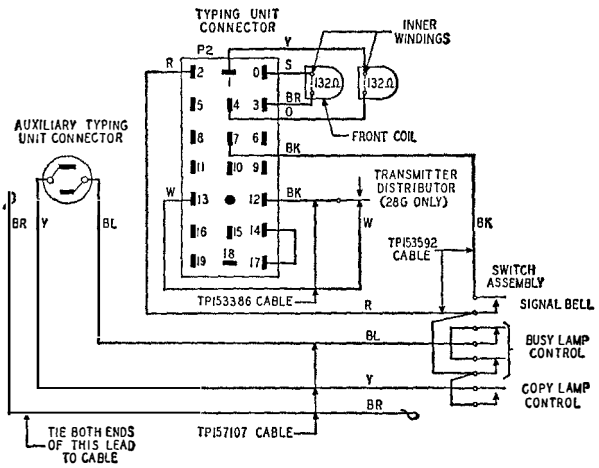


28E,F & G TYPING UNITS



MODIFICATION OF WIRING OF 28 TTY CABINET USING PARTS FURNISHED WITH 28E, F & G TYPING UNITS

AUGUST 1955 PRODUCTION



28E, F & G TYPING UNITS

WIRING FOR UNITS AUGUST 1955 PRODUCTION

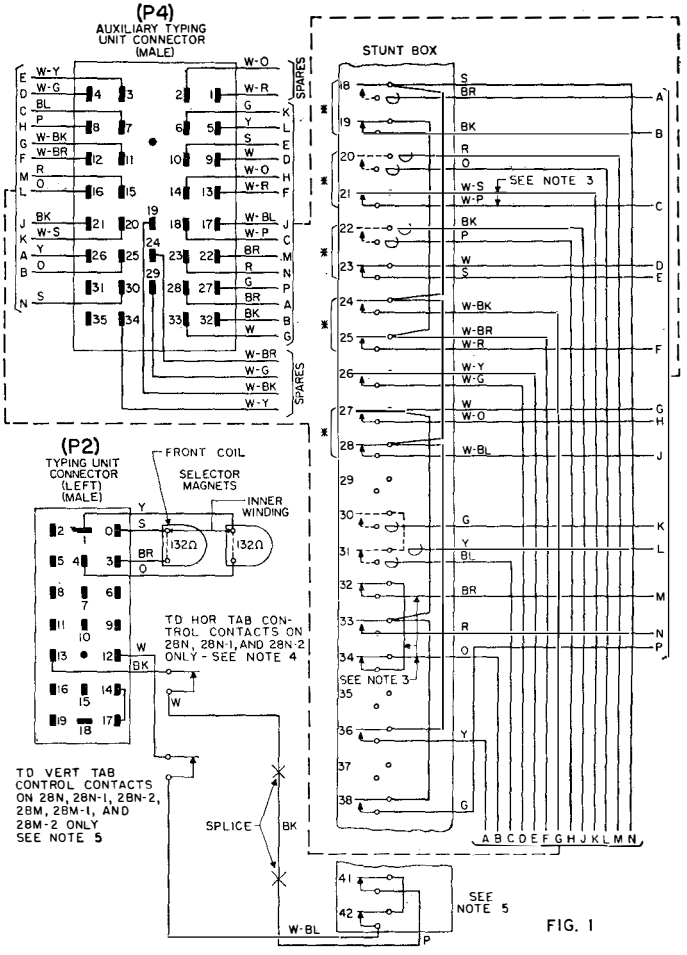


FIG. 1

28H, 28H-1, 28H-2, 28M, 28M-1, 28M-2, 28N, 28N-1, 28N-2 Typing Units

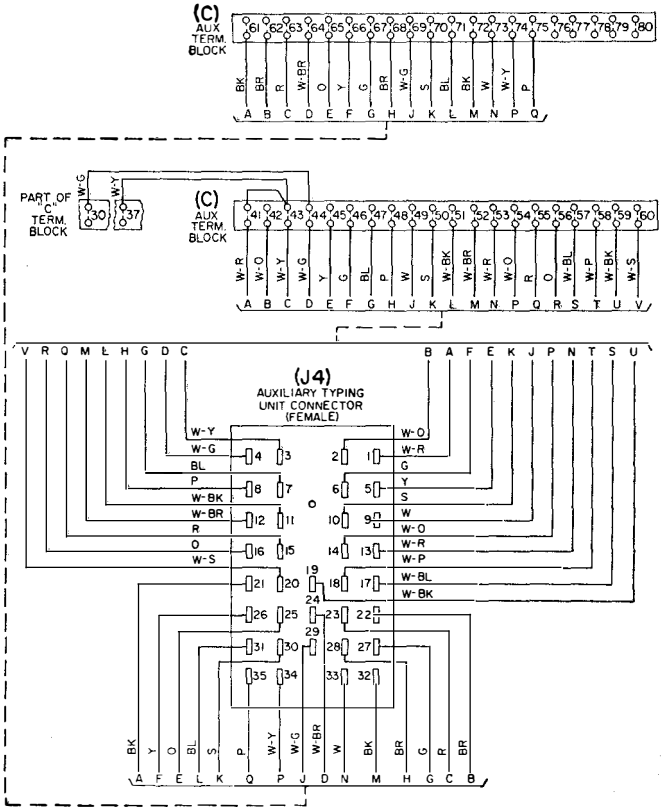


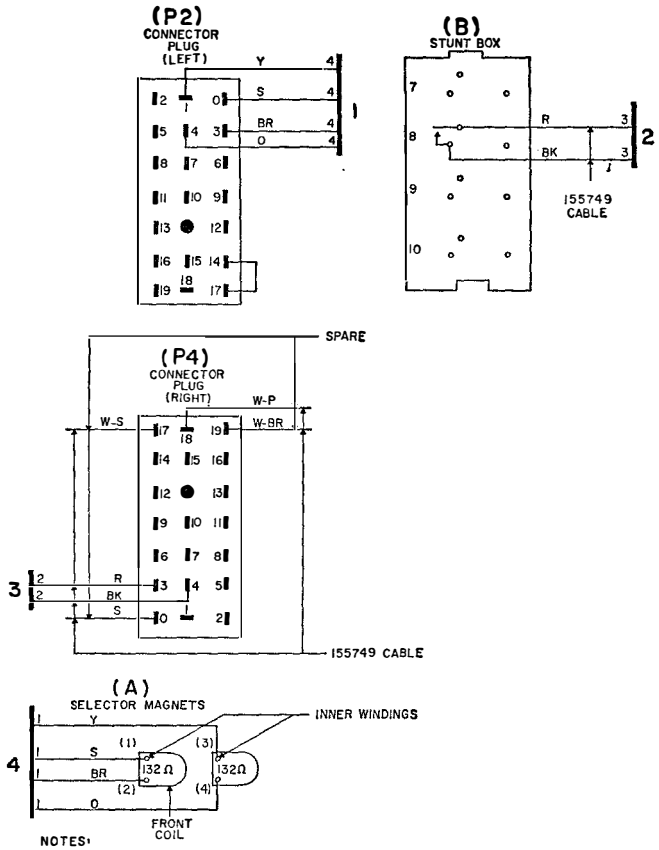
FIG. 2

28H, 28H-1, 28H-2, 28M, 28M-1, 28M-2, 28N, 28N-1, 28N-2 Typing Units

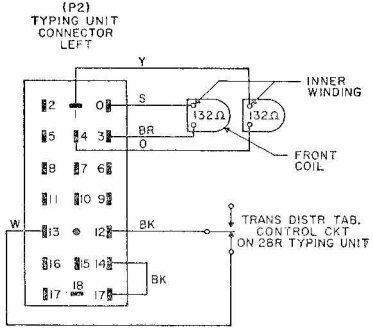
NOTES:

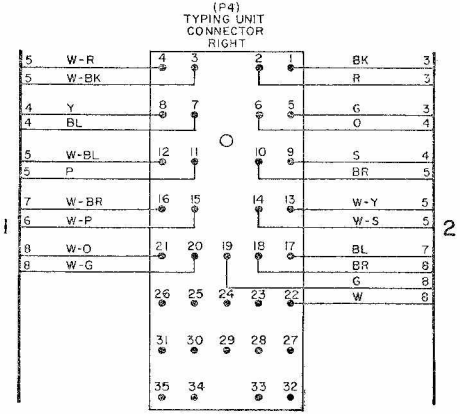
1. * BOTH CONTACTS OF A PAIR OPERATE FROM THE FUNCTION LEVER IN THE HIGHER NUMBER SLOT.
2. DOTTED CONTACTS ARE OPTIONAL AND ARE PROVIDED WHEN SPECIFIED. WIRING IS RUN FOR ALL OPTIONAL FEATURES.
3. THESE LEADS NOT REQUIRED ON 28N-1 OR 28N-2 TYPING UNITS. THEY ARE TO BE TAPED AND TIED BACK TO CABLE. OMIT STRAP BETWEEN CONTACTS 32 AND 34.
4. TD HORIZONTAL TABULATION CONTROL CONTACTS ARE PART OF 28N, 28N-1, AND 28N-2 TYPING UNITS ONLY. ON 28M, 28M-1, AND 28M-2 THE WHITE WIRE CONNECTED TO ONE SIDE OF THESE CONTACTS IS CONNECTED TO TERMINAL 13 ON THE (P2) CONNECTOR.
5. TD VERTICAL TABULATION CONTROL CONTACTS AND FORM FEED OUT CONTACTS WITH ASSOCIATED WIRING ON STUNT BOX (41 AND 42) ARE PART OF 28M, 28M-1, 28M-2, 28N, 28N-1, AND 28N-2 TYPING UNITS ONLY.

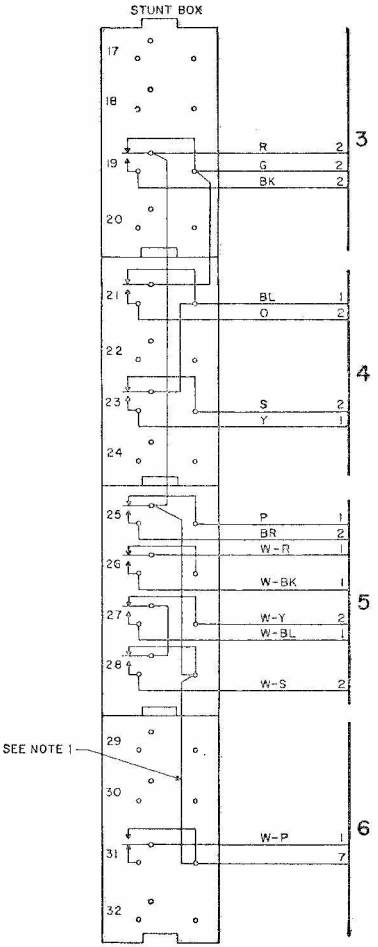
28H, 28H-1, 28H-2, 28M, 28M-1, 28M-2, 28N, 28N-1, 28N-2 Typing Units

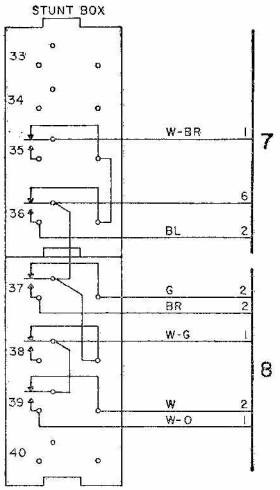


28J and 28J-1 Typing Units





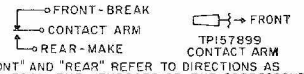




NOTES:

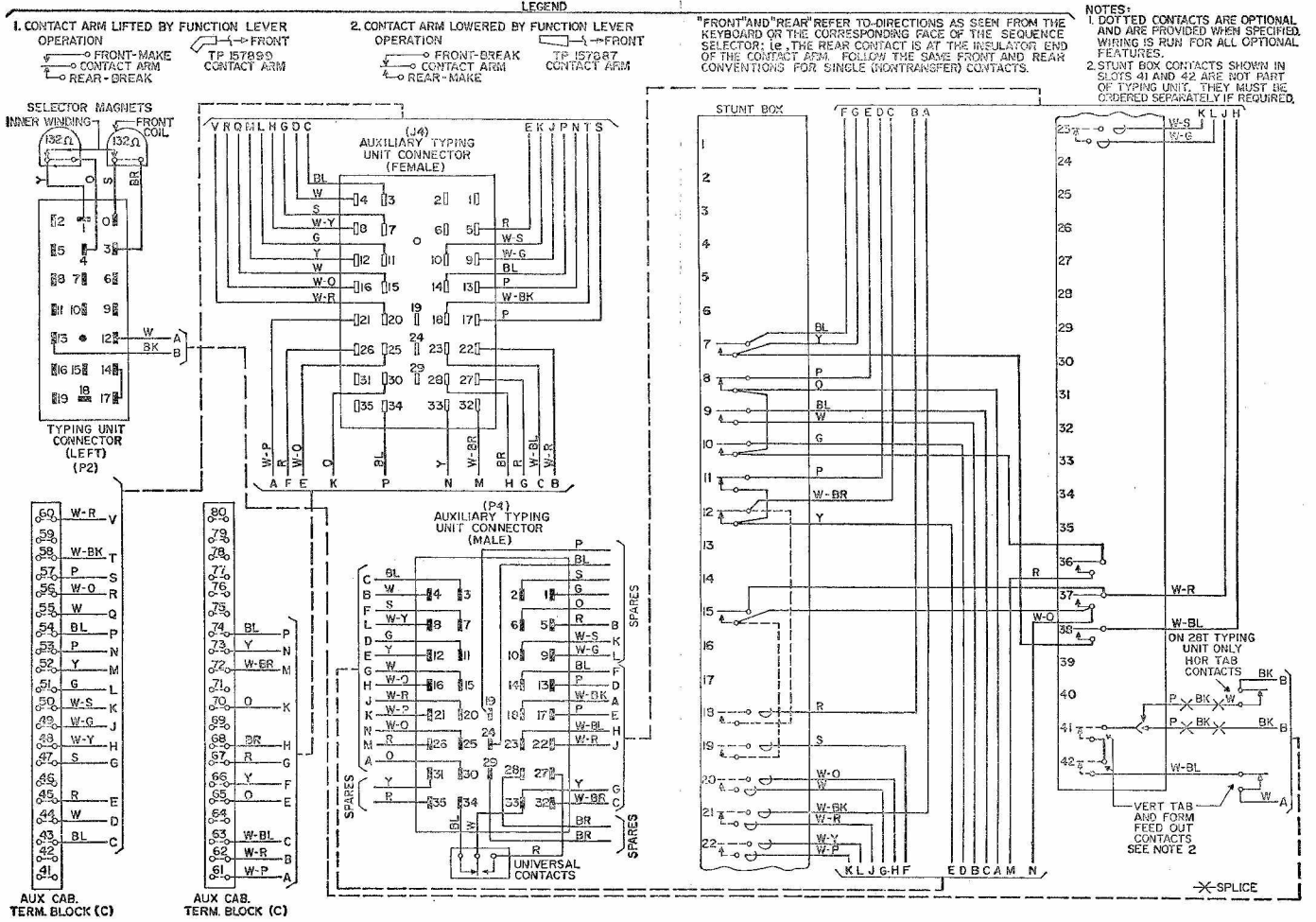
1. LEADS NOT IDENTIFIED ARE RM STRAPPING WIRE, RM TUBING.
2. CONTACT ARM LIFTED BY FUNCTION LEVER

3. CONTACT ARM LOWERED BY FUNCTION LEVER

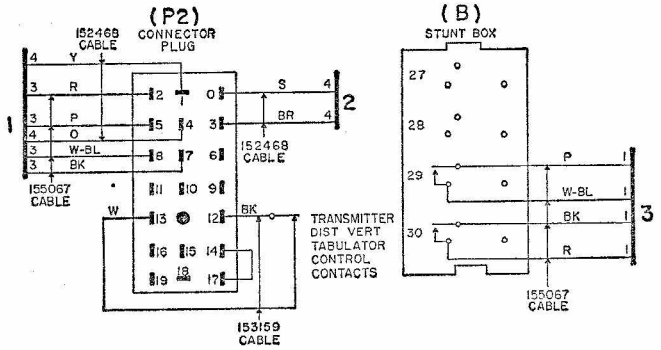


4. "FRONT" AND "REAR" REFER TO DIRECTIONS AS SEEN FROM THE KEYBOARD OR THE CORRESPONDING FACE OF THE SEQUENCE SELECTOR; I.E., THE REAR CONTROL IS AT THE INSULATOR END OF THE CONTACT ARM. FOLLOW THE SAME FRONT AND REAR CONVENTIONS FOR SINGLE (NON-TRANSFER) CONTACTS.

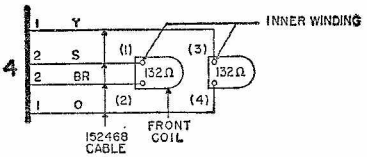
28K, 28P, 28R, Typing Units



28L, 28S and 28T Typing Units

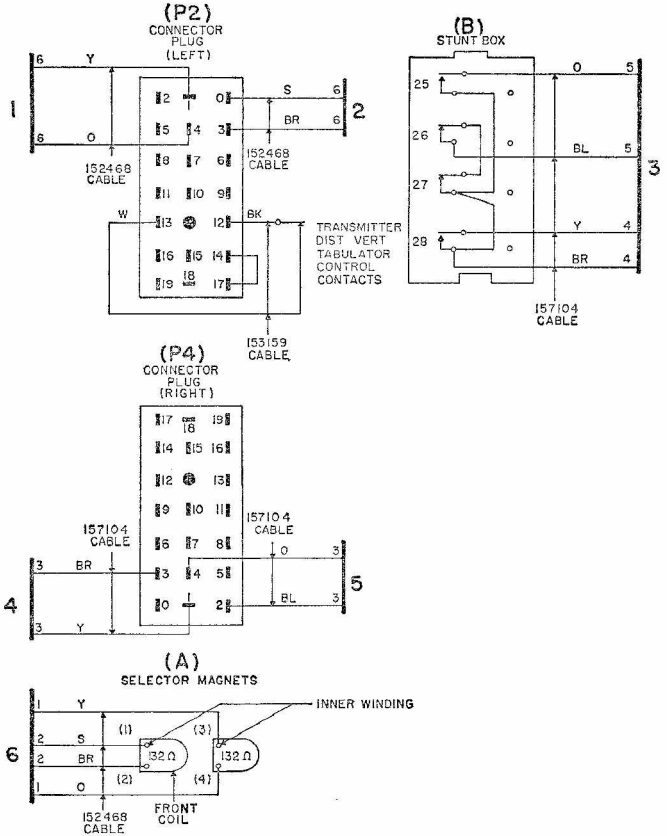


(A)



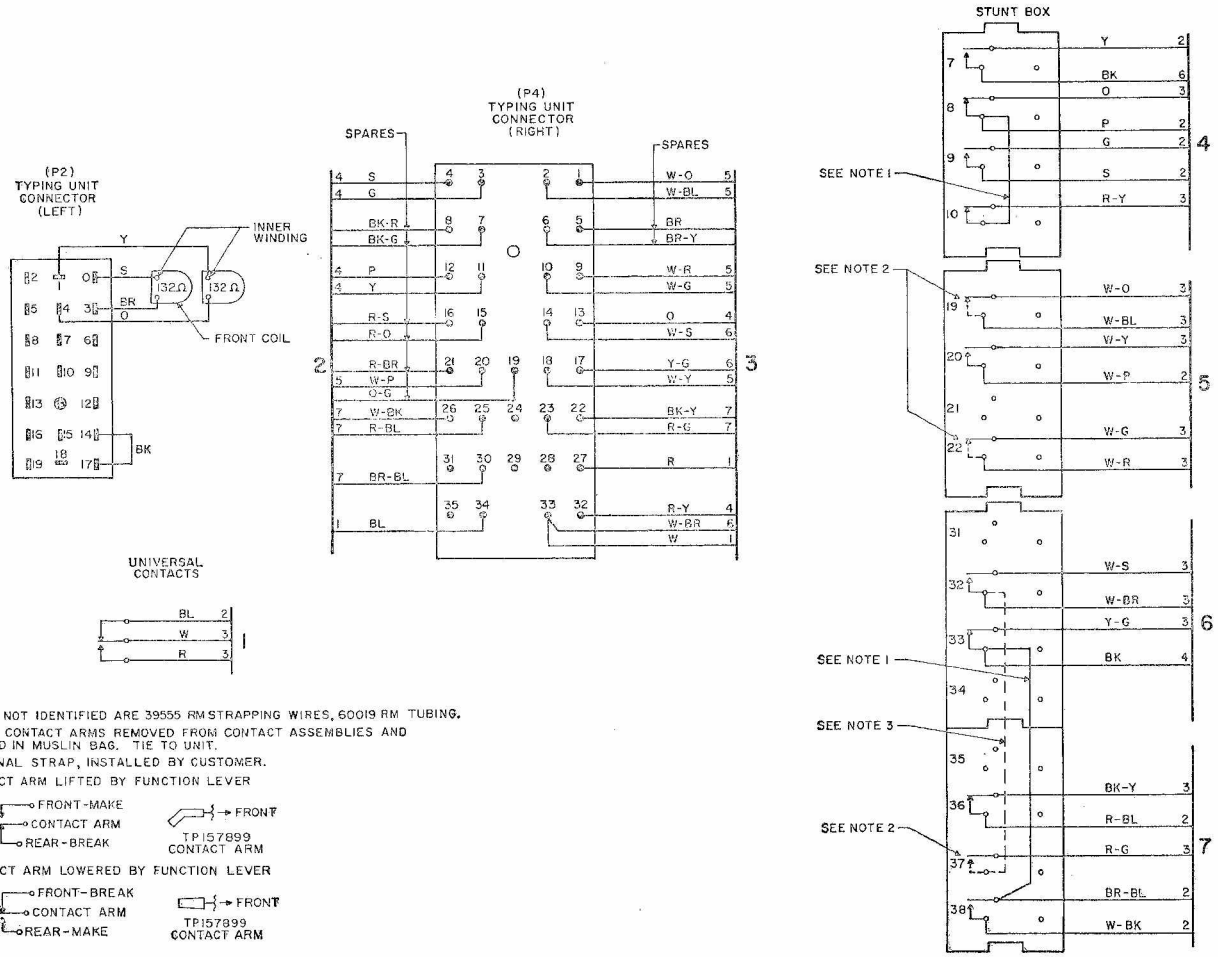
NOTES:
1. LEADS NOT IDENTIFIED ARE RM STRAPPING WIRES, RM TUBING.

28U Typing Unit



NOTES:
1. LEADS NOT IDENTIFIED ARE RM STRAPPING WIRES, RM TUBING.

28W Typing Unit

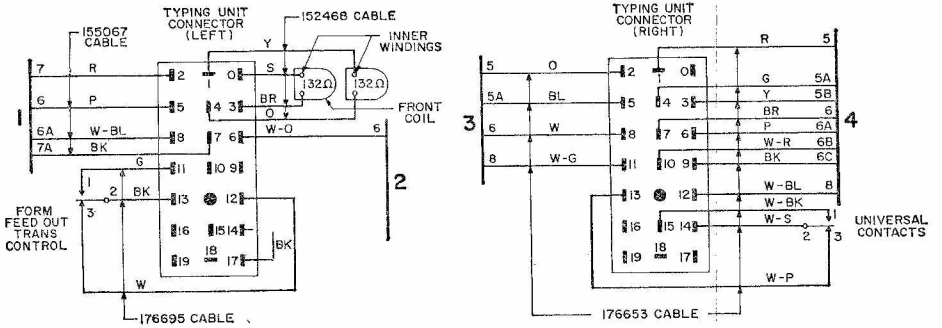


NOTES:

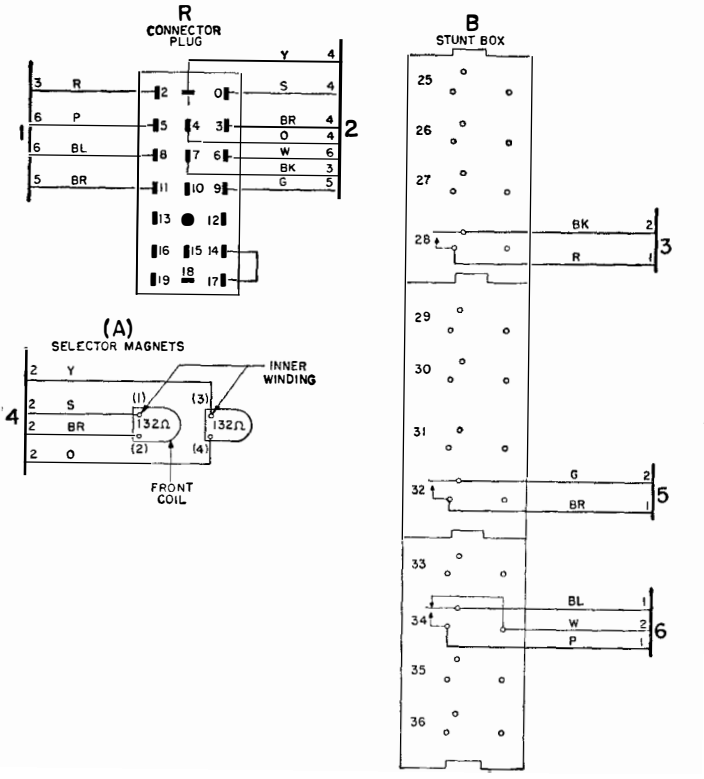
1. WIRES NOT IDENTIFIED ARE 39555 RM STRAPPING WIRES, 60019 RM TUBING.
2. THESE CONTACT ARMS REMOVED FROM CONTACT ASSEMBLIES AND PLACED IN MUSLIN BAG. TIE TO UNIT.
3. OPTIONAL STRAP, INSTALLED BY CUSTOMER.
4. CONTACT ARM LIFTED BY FUNCTION LEVER

5. CONTACT ARM LOWERED BY FUNCTION LEVER

28Y Typing Units

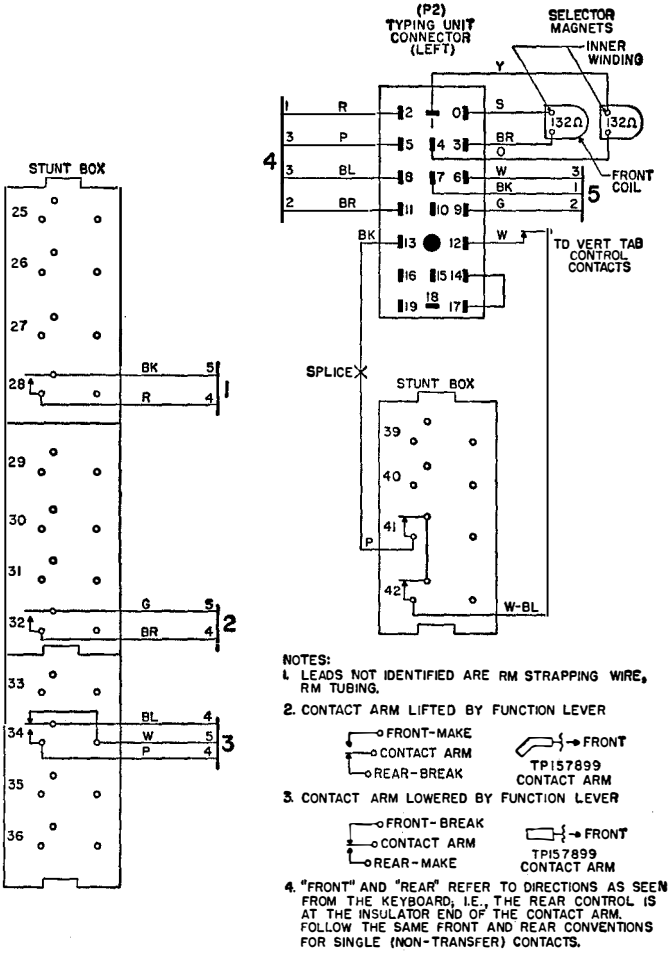


28AA Typing Unit

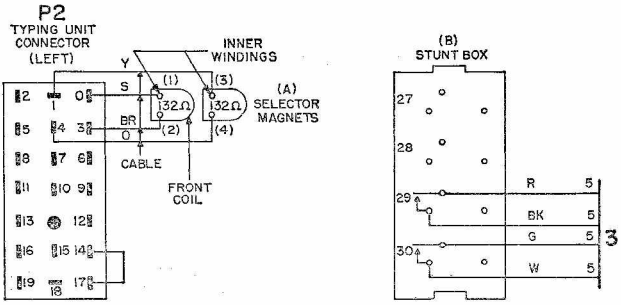


NOTES:
L LEADS NOT IDENTIFIED ARE RM STRAPPING WIRES, RM TUBING.

28AB and 28AD Typing Units

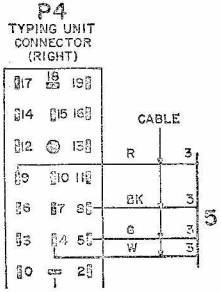


28AC Typing Unit

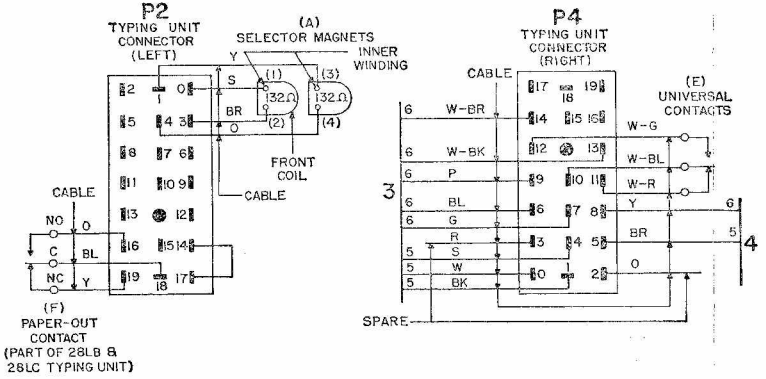


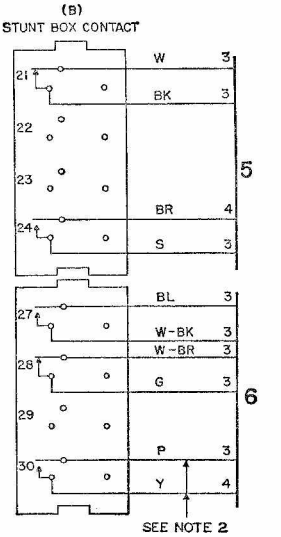
NOTES:

1. LEADS NOT IDENTIFIED ARE RM STRAPPING WIRES, RM TUBING.



28LA Typing Unit

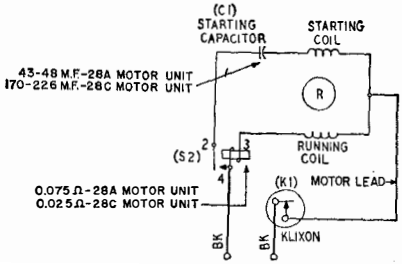




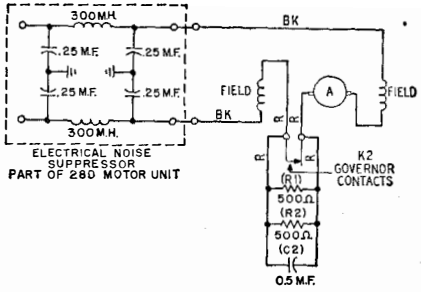
NOTES:

1. LEADS NOT IDENTIFIED ARE RM STRAPPING WIRE, RM TUBING.
2. ON 28LF TYPING UNIT, THE YELLOW AND PURPLE WIRES ARE TAPED AND TIED BACK.

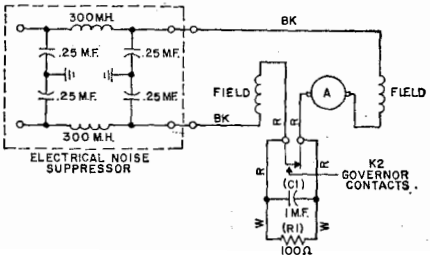
28LB, 28LC, 28LD, 28LE and 28LF Typing Units



28A AND 28C MOTOR UNITS



28B AND 28D MOTOR UNITS

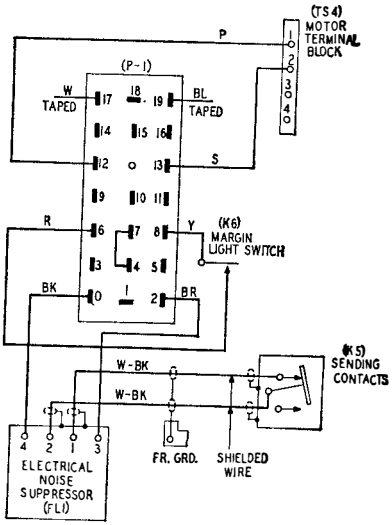


28E MOTOR UNIT

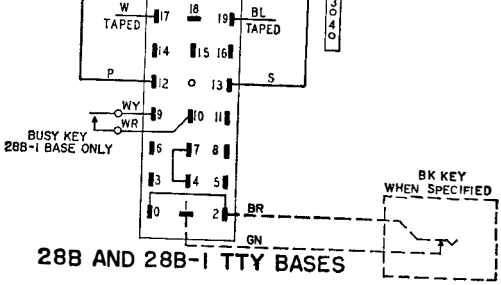
NOTES:

1. A TP91228 GROUND STRAP IS CONNECTED BETWEEN THE MOTOR FRAME AND A MOTOR MOUNTING SCREW
2. THE 28E MOTOR UNIT OPERATES ON 48V DC.

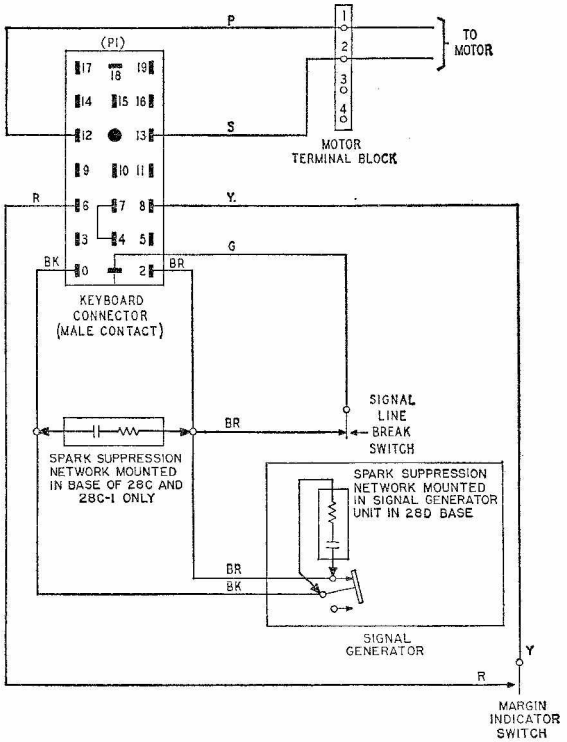
28-TYPE TELETYPEWRITER TYPING UNIT, MOTOR UNIT AND BASE WIRING DIAGRAM



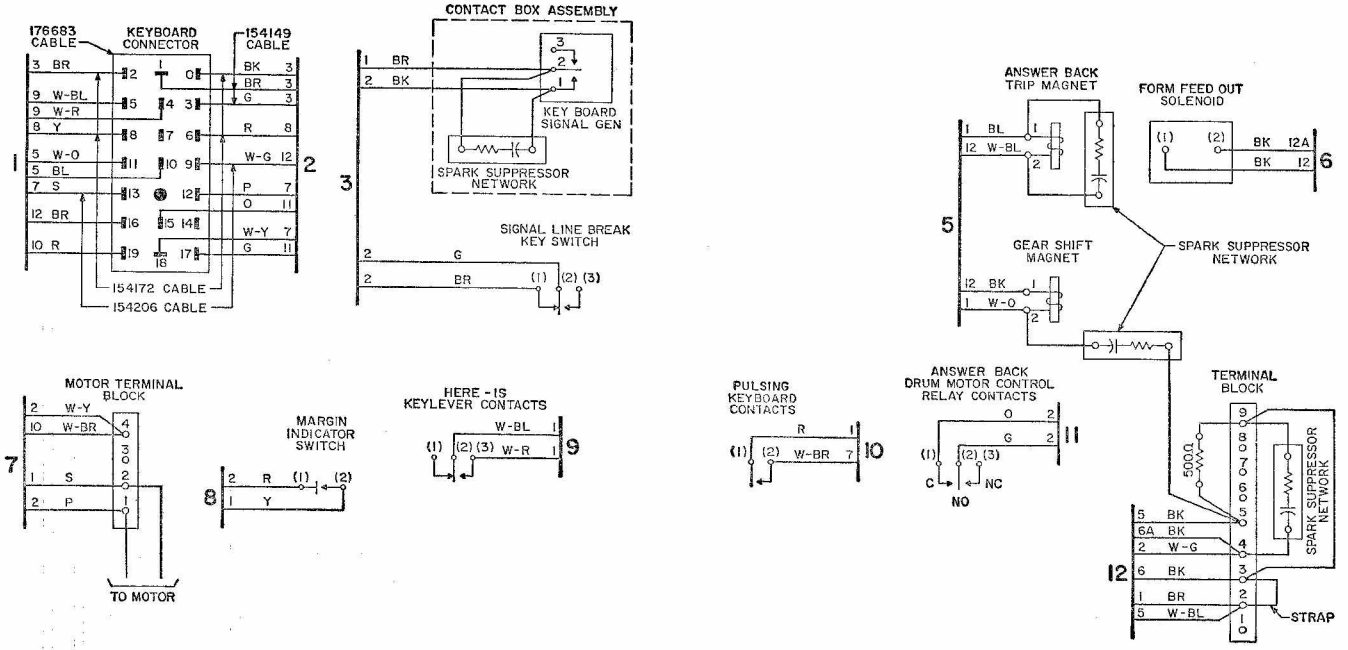
28A TTY BASE



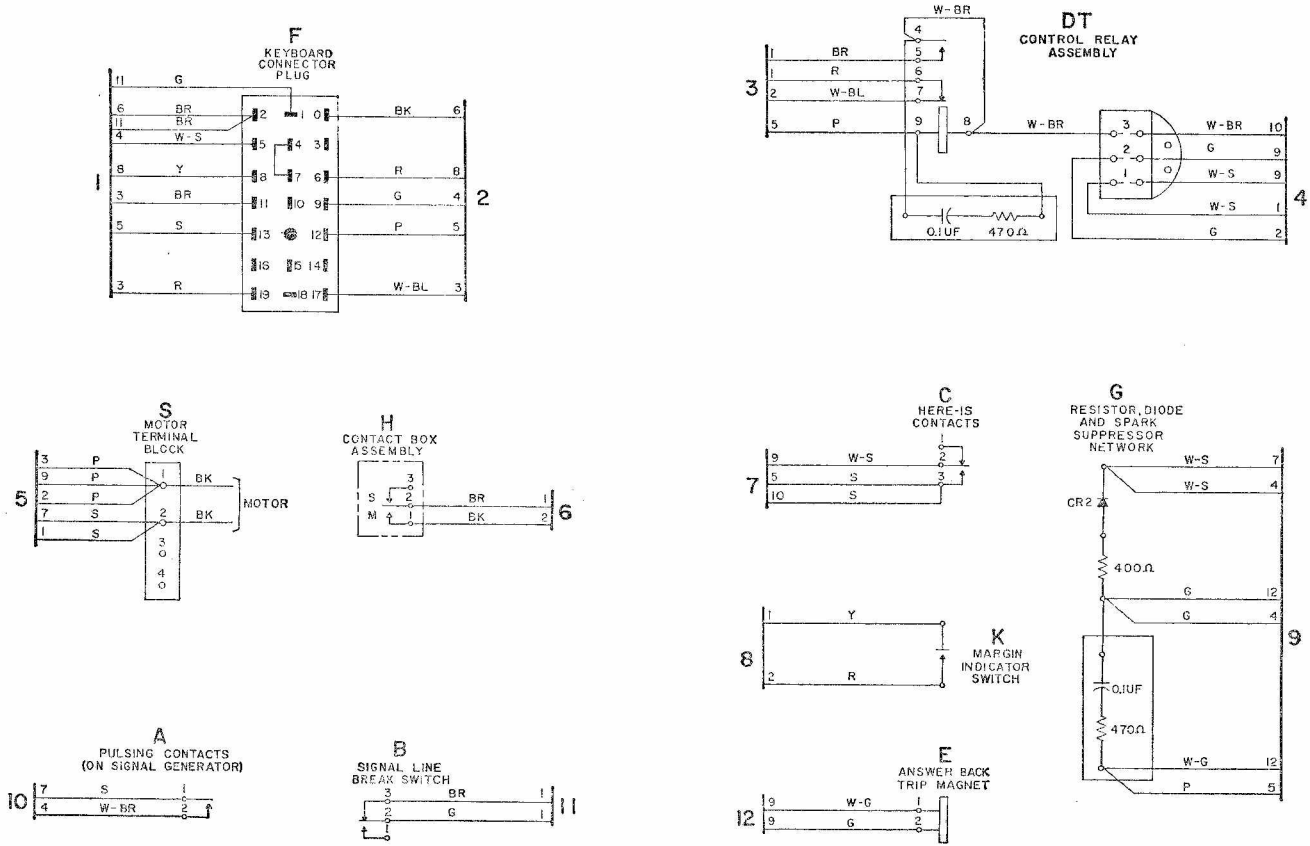
28B AND 28B-1 TTY BASES



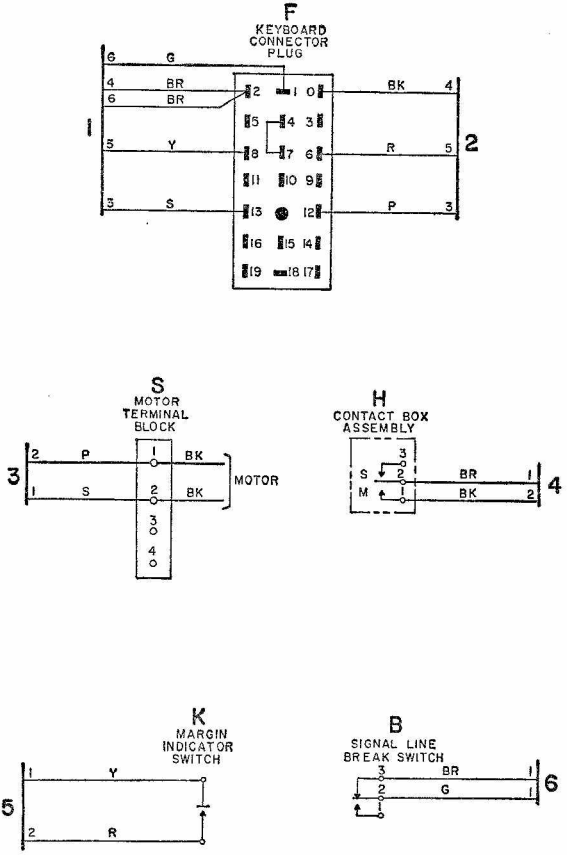
28C, 28C-1, 28D Teletypewriter Bases



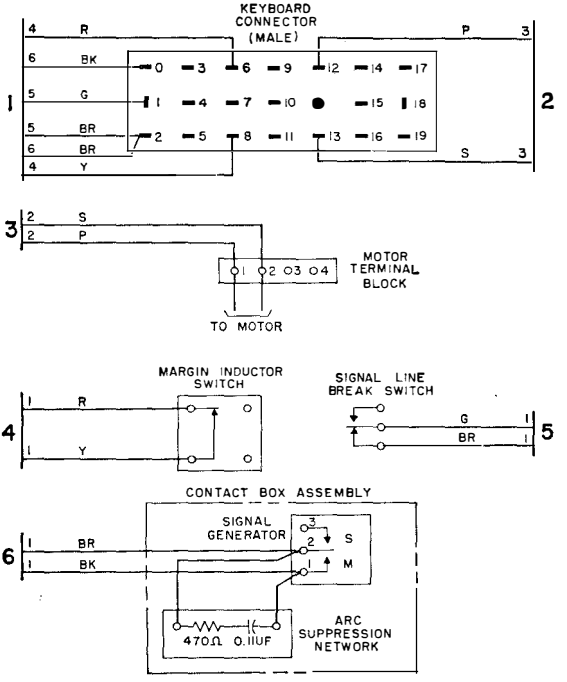
28G Teletypewriter Base



28H Teletypewriter Base



28H-1 Teletypewriter Base



28J Teletypewriter Base