

| NO. | NOTES | | |
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| 1. | BASE WIRING AS SHIPPED IS ARRANGED FOR USE WITH LINE RELAY AND .060 AMP. LINE CURRENT. CHANGES REQUIRED FOR OTHER OPERATING CONDITIONS ARE SHOWN BELOW. SUFFICIENT RESISTANCE MUST BE PROVIDED IN THE LINE CIRCUIT TO REDUCE THE LINE CURRENT TO THE PROPER VALUE. | | |
| | WIRING REQUIREMENT | | |
| | LINE CURRENT | BASE | TYPING UNITS WITH HOLDING MAGNET SELECTOR |
| | .060 AMP. | 1. WITH RY28 (215H) OR RY30 (255A) LINE RELAYS, WIRING AS SHOWN WITH 8000 ^W BIAS RESISTOR NOT IN CIRCUIT. | WIRING AS SHOWN. SERIES-PARALLEL SWITCH IN "PARALLEL" POSITION. |
| | | 2. SAME AS NO. 4. | SAME AS NO. 1. |
| | .020 AMP. | 3. WITH RY30 (255A) LINE RELAY, CONNECT 8000 ^W BIAS RESISTOR IN CIRCUIT BY MOVING YELLOW WIRE FROM END SHOWN TO OPPOSITE END. | WIRING AS SHOWN. SERIES-PARALLEL SWITCH IN "PARALLEL" POSITION. |
| | | 4. WITHOUT LINE RELAY, MOVE YELLOW WIRE FROM TERMINAL 62 TO TERMINAL 61. MOVE WHITE WIRE FROM TERMINAL 65 TO TERMINAL 66. FROM TERMINAL 61 DISCONNECT & TAPE THE GREEN WIRE GOING TO TERMINAL 3 OF LINE RELAY. | WIRING AS SHOWN. PLACE SERIES-PARALLEL SWITCH IN "SERIES" POSITION. |
| 2. | ASSOCIATED CABLES | | |
| | ----- 74573 BASE (POWER) | ----- 91277 TYPING UNIT (HOLDING MAGNET) | |
| | ----- 74574 BASE (LINE) | ----- 92814 BASE | |
| | ----- 74575 LINE RELAY UNIT | ----- 96895 BASE (MOTOR STOP) | |
| | ----- 74788 A.C. MOTOR UNIT | ----- 104936 KEYBOARD & PERFORATOR TRANS. | |
| | ----- 76284 STRAP | ----- FILTER WIRING | |
| | ----- 82633 TYPING UNIT CONTACTS | ----- APPARATUS OUTLINE | |
| | ----- 82704 MOTOR CONTROL UNIT 96893 | ----- 117410 MOTOR CONTROL UNIT 117747 | |
| | STRAPS RM39522 COVER WITH RM60019 VINYL TUBING | | |
| 3. | WIRE COLOR CODE AND SYMBOLS MAY BE SOLID COLOR OR TRACERS IN WHITE WIRE | | |
| | Y YELLOW | W WHITE | BK BLACK |
| | G GREEN | O ORANGE | BL BLUE |
| | BR BROWN | S SLATE | |
| | P PURPLE (RED & BLUE TRACER) | R RED | |
| | -X DENOTES: TAPE WIRE | | |
| | -X DENOTES: SPLICE & TAPE WIRE | | |
| | F DENOTES: WIRING TO BE USED WHEN RADIO INTERFERENCE SUPPRESSION FILTERS ARE SUPPLIED. | | |
| | N. DENOTES: WIRING TO BE USED WHEN RADIO INTERFERENCE SUPPRESSION FILTERS ARE NOT SUPPLIED. | | |
| 4. | RECEPTACLES AND PLUGS SHOWN FROM SLOT AND PRONG SIDES. | | |
| 5. | WHEN A.C. SERIES MOTOR IS TO BE USED ON 25 CYCLE POWER SUPPLY, A 25 OHM RESISTOR SHOULD BE CONNECTED IN SERIES WITH ONE OF THE POWER LEADS. | | |
| 6. | WHEN FILTER IS NOT SUPPLIED, THIS RESISTOR IS 1000 ^W -2000 ^W IN PLACE OF 600 ^W -2000 ^W . | | |
| 7. | RY28 RELAY (W.E. 215-H) 85 OHMS PER WINDING (FOR .060 AMP. SIGNALING ONLY). RY30 RELAY (W.E. 255-A) 136 OHMS PER WINDING (FOR .060 OR .020 AMP. SIGNALING). | | |
| 8. | TO DISABLE SEND-RECEIVE BREAK MECHANISM: 1. REMOVE ALL WIRES; 2. SPLICE & TAPE WIRES MARKED "X"; 3. TAPE WIRE MARKED "Y"; 4. SPLICE & TAPE WIRES MARKED "Z". | | |
| 9. | COVER LEADS AT LINE RELAY RESISTOR TERMINALS WITH HIGH TEMPERATURE TUBING - 60279 RM. | | |
| 10. | WHEN TYPING UNIT IS IN POSITION, LINE JACK IS OPEN. | | |
| 11. | LINE & SELECTOR JACKS CLOSE WHEN RELAY IS REMOVED. | | |
| 12. | 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. | | |
| 13. | THE .020-.060 AMP MOTOR CONTROL UNIT 117747 USES PAIR OF M-217 COILS - 950 OHMS EACH AND A 2000-430 OHM RESISTOR. THE COILS ARE WIRED IN PARALLEL AND THE 2000 OHM SECTION OF THE RESISTOR IS STRAPPED AT THE FACTORY FOR .060 AMP. LINE OPERATION. FOR .020 AMP. OPERATION, THE COILS ARE WIRED IN SERIES AND THE 430 OHM TAP OF THE RESISTOR IS STRAPPED. (SEE FIG. 7) | | |
| | THE OLD STYLE .060 AMP. ONLY MOTOR CONTROL UNIT 96893 (FIG. 8) USES PAIR OF M-195 COILS - 100 OHMS EACH WIRED IN SERIES. (SEE FIG. 8) | | |

14. FIELD CHANGES REQUIRED ON BASES WHEN USED WITH KEYBOARDS WIRED FOR LINE-TEST INSTEAD OF POLAR-NEUTRAL KEY.

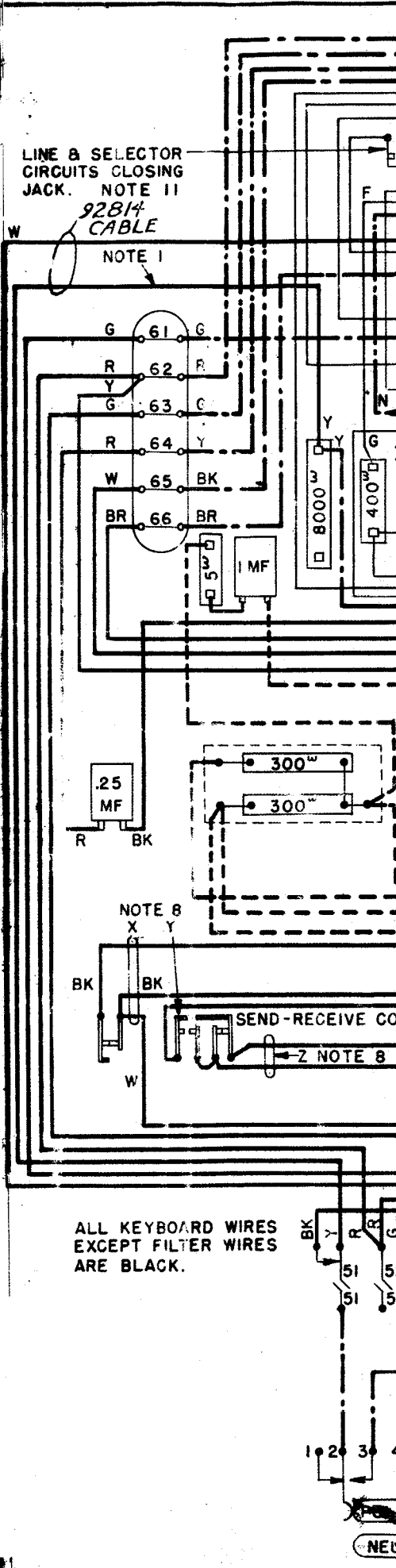
A. REMOVE YELLOW WIRE FROM CONTACT SPRING ON SLIP CONNECTION 51; REMOVE WHITE WIRE FROM 56; SPLICE AND TAPE TOGETHER.

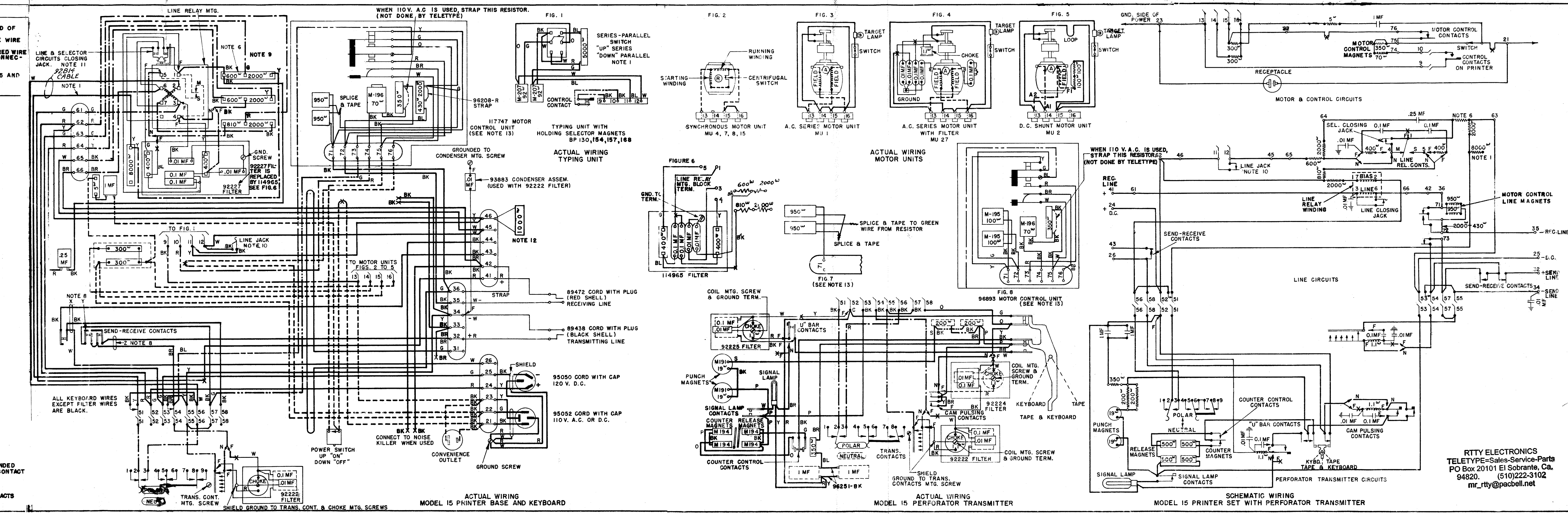
B. BREAK SPLICE ON RED WIRE FROM TERMINAL 41, AND GREEN WIRE FROM 61; CONNECT RED WIRE (FROM 41) TO SLIP CONNECTION 56; CONNECT GREEN WIRE (FROM 61) TO SLIP CONNECTION 51.

C. DISCONNECT 89438 TRANSMITTING LINE CORD (BLACK SHELL) AND DISCARD

D. DISCONNECT WHITE WIRE OF 89472 RECEIVING LINE CORD (RED SHELL) FROM TERMINAL 35 AND CONNECT TO TERMINAL 34.

E. CONNECT STRAP BETWEEN TERMINALS 32 AND 35.





REVISIONS

| | | |
|---|----------|-------|
| A | 5-2-47 | 42055 |
| B | 9-15-47 | 42749 |
| C | 10-22-47 | 43058 |
| D | 12-30-47 | 43561 |
| E | 1-23-48 | 43739 |
| F | 8-3-48 | 45077 |
| G | 1-20-49 | 46518 |
| H | 3-4-49 | 46875 |
| J | 4-4-49 | 47131 |
| K | 5-24-49 | 47516 |
| L | 2-6-50 | 48981 |
| M | 5-17-50 | 49591 |
| P | 8-28-50 | 50928 |
| R | 11-24-50 | 50384 |
| S | 9-24-51 | 52320 |
| T | 10-18-51 | 52512 |

WD2405
3-5-46
WIRING DIAGRAM
MODEL 15 PRINTER
WITH KEYBOARD AND
PERFORATOR TRANSMITTER
BP130,154,157,168
BU 71
BK 25, 27, 200
PEX 25, 26
MU1, 2, 4, 7, 8, 15, 27
DRAWN BY: [Signature]
ENG'D BY: [Signature]
FILE: 33-64.8AA
TELETYPE CORPORATION
2405

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