

FIG. 3  
(SD FIG. 3)

**TABLE B**  
WIRING CHANGES MADE ON ISSUE 22  
WIRING REMOVED AND ADDED

COLOR	FROM	TO	REMOVE	ADD
R-O-W	"A" COND	B2 "F" REL.	X	
R-O-W	"F" REL.	T2 "C" REL.	X	
R-G	B2 "F" REL.	PCMG 17 "A" T.S.	X	
R-G-W	"TOP" "A" COND	T2 "C" REL.		X
R-O	T2 "C" REL.	PCMG 17 "A" T.S.		X
R-G-W	B2 "F" REL.	"BOTTOM" "C" RES		X

**TABLE A**  
WIRING CHANGES MADE ON ISSUE 12  
WIRING REMOVED

COLOR	FROM	TO
R-O-W	2B(F) REL.	1T(E) REL.
R-O-W	1T(E) REL.	2T(C) REL.
STRAP	4T(E) REL.	3T(E) REL.

**WIRING ADDED**

COLOR	FROM	TO
R-O-W	2B(F) REL.	2T(C) REL.

**WIRING CHANGED**

COLOR	MOVED FROM	CONNECTED TO
STRAP	3T(E) REL.	4T(E) REL.
R-G	2T(E) REL.	2B(F) REL.

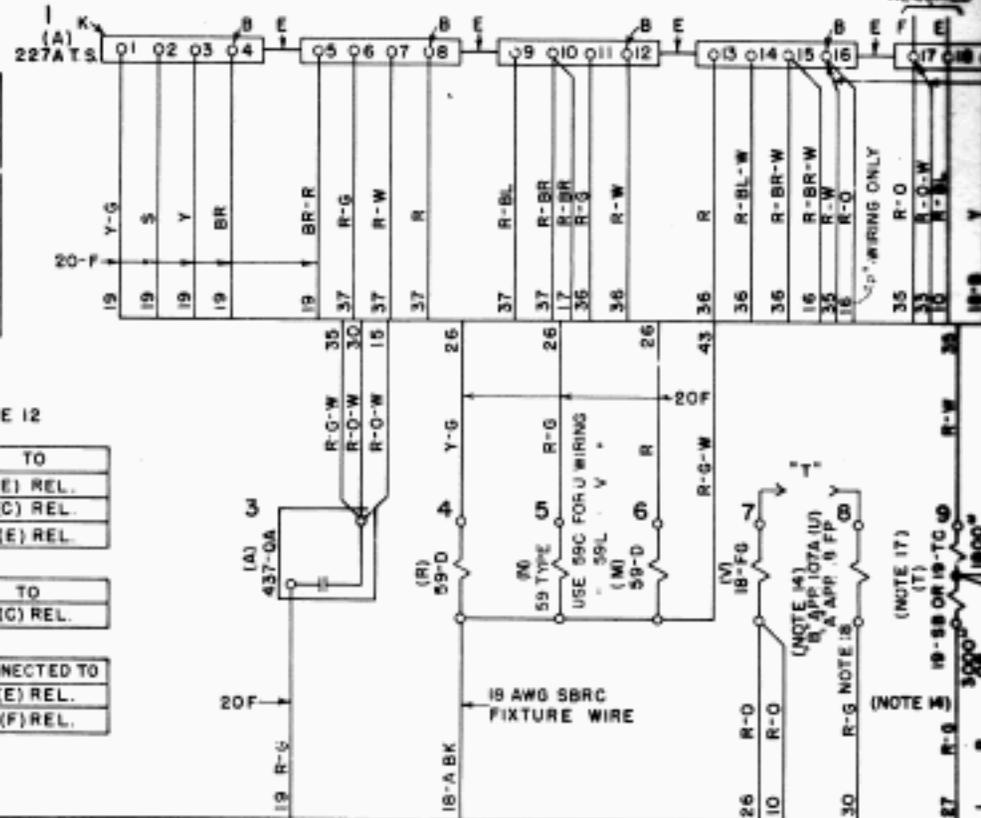


FIG. 7  
(SD FIG. 7)  
NOTES 10 & 15

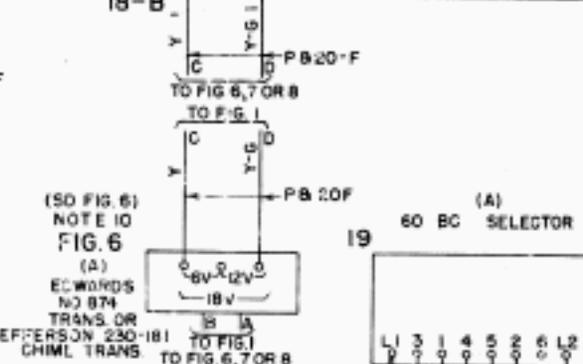


FIG. 6  
(SD FIG. 6)  
NOTE 10

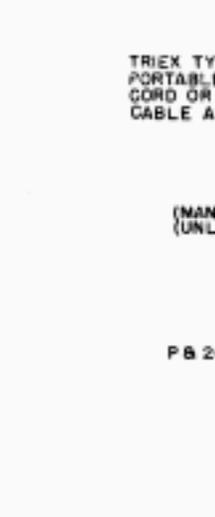


FIG. 4  
(LOCATE AS REQUIRED)  
NOTE 5  
(SD FIG. 4)

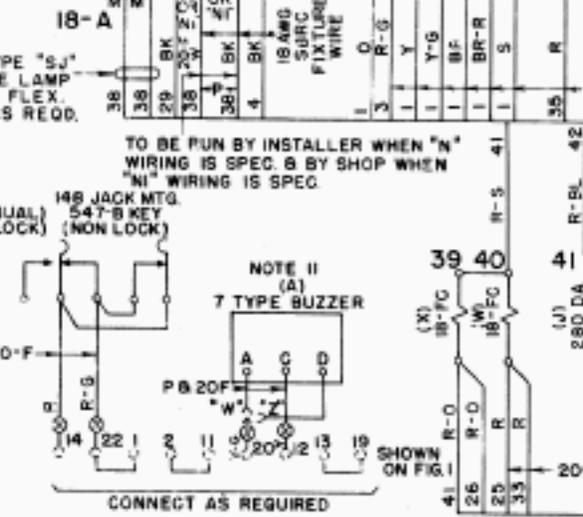


FIG. 5  
(LOCATE AS REQUIRED)  
(SD FIG. 5)  
MPG. DISC.)

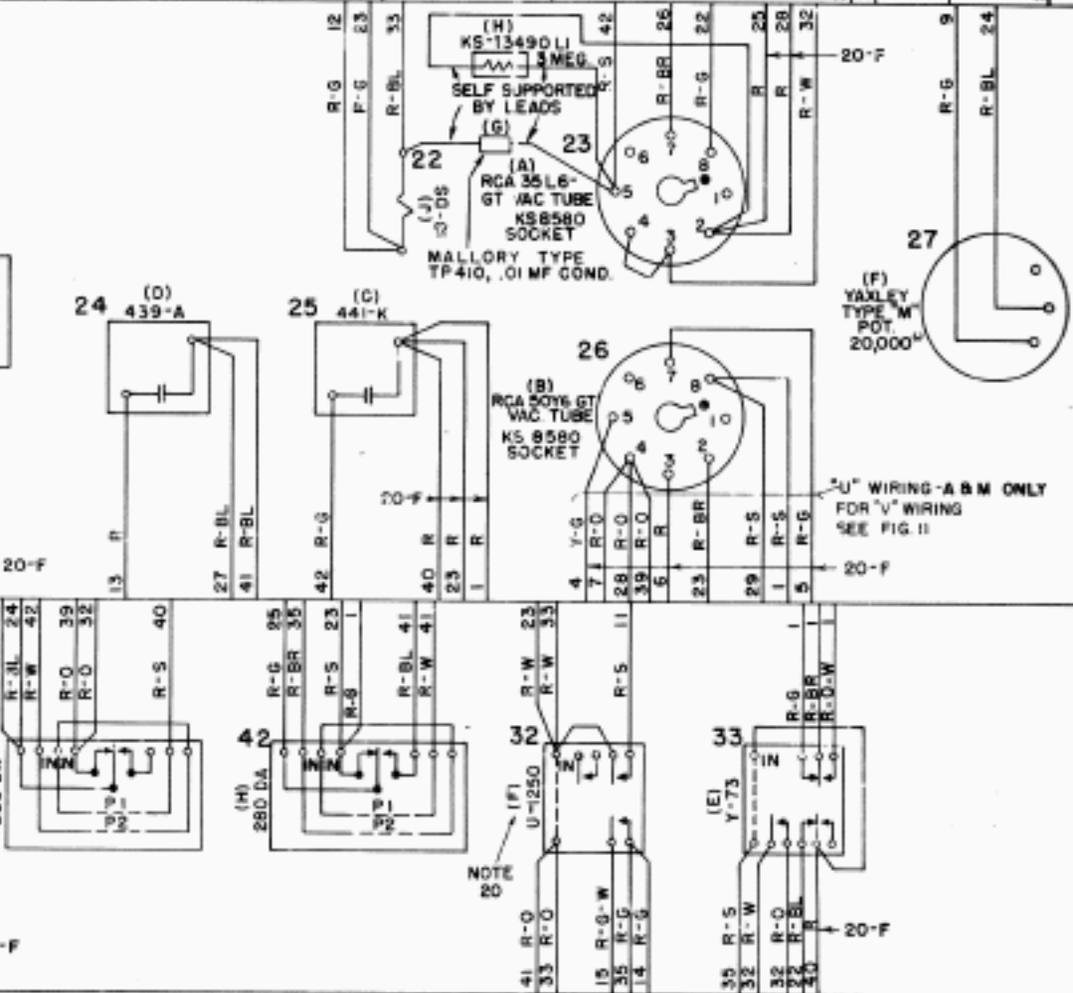


FIG. 2  
(SD FIG. 2)

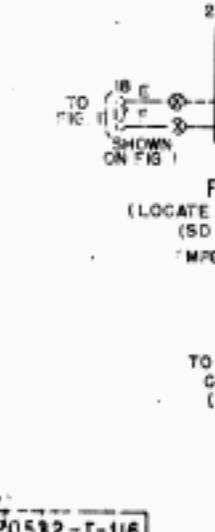


FIG. 1  
(SD FIG. 1)

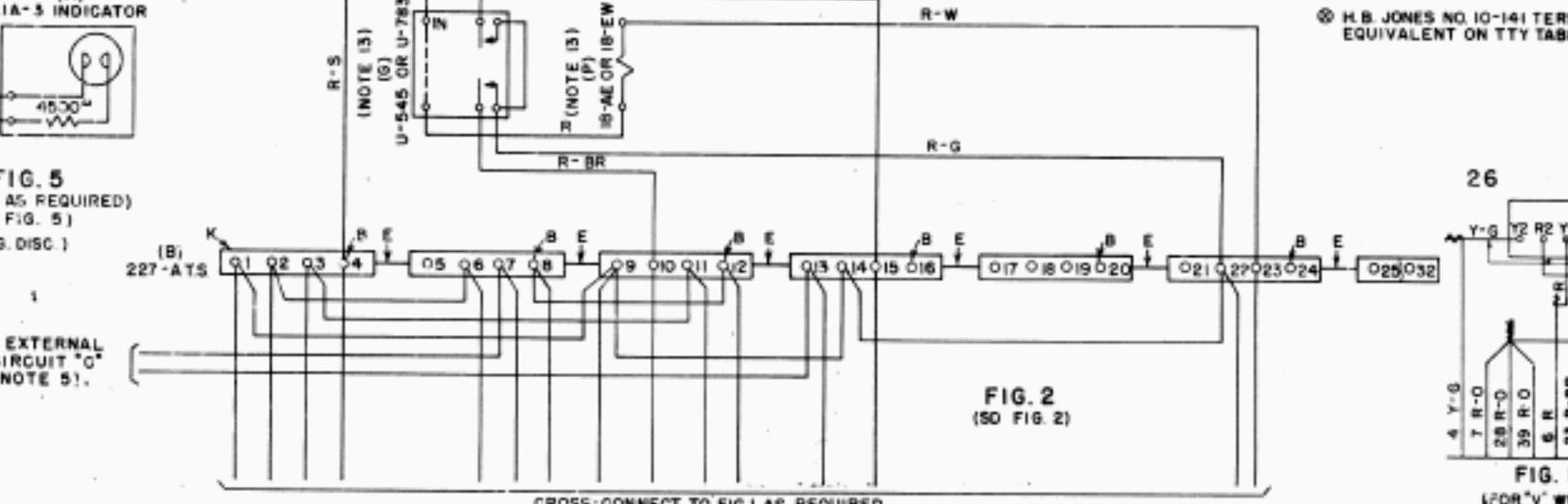
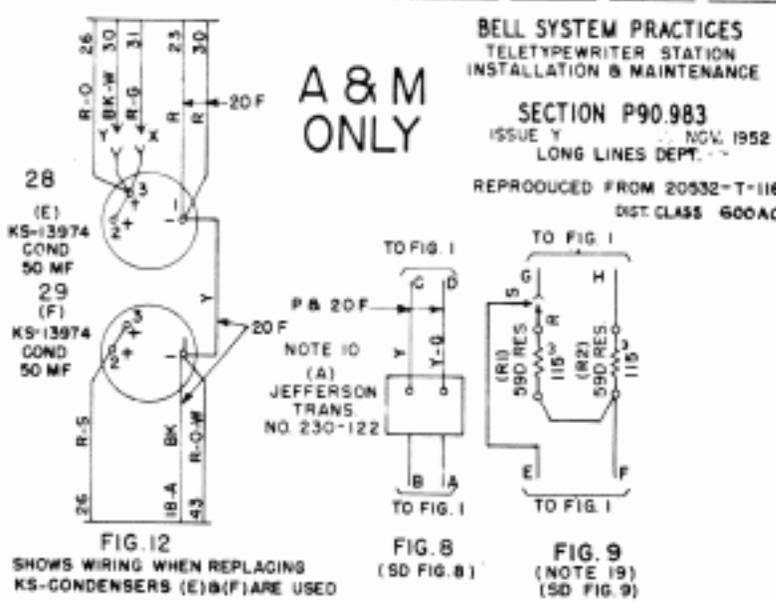
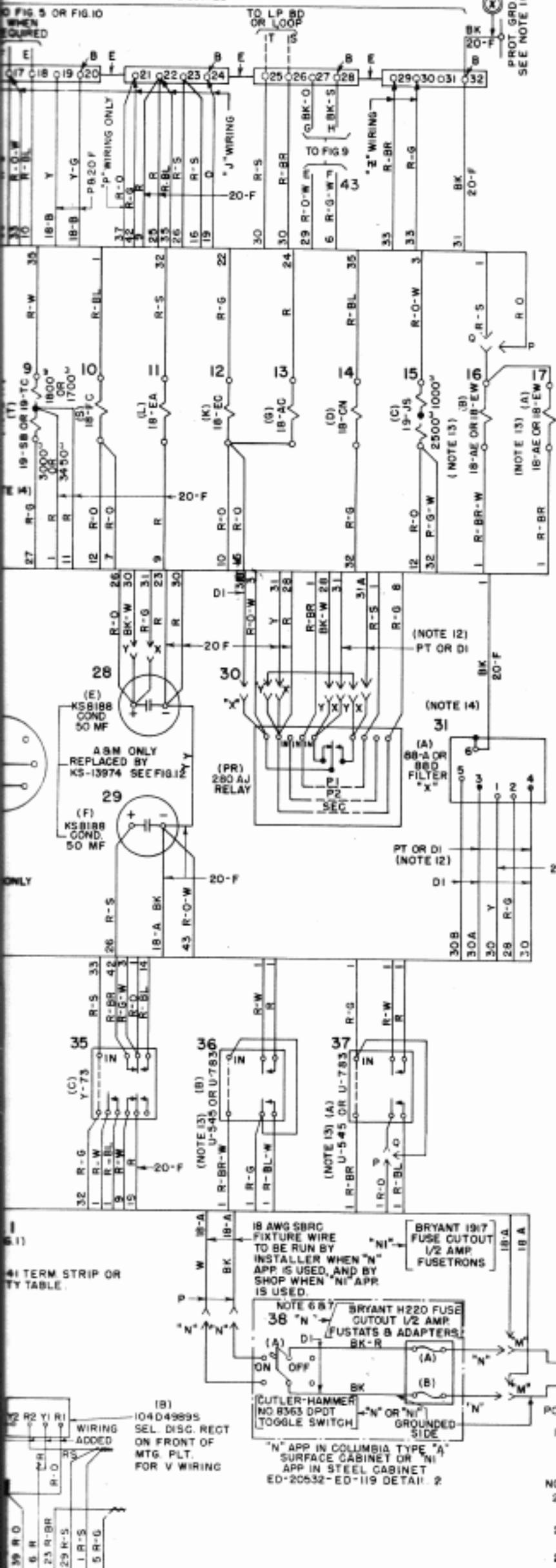


FIG. 1  
(SD FIG. 1)

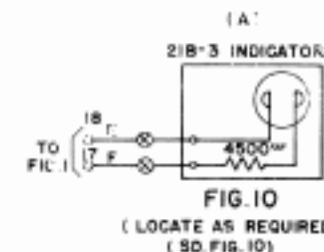
ANY APPLIQUE CIRCUIT AS REQUIRED



- NOTES:**
1. SCHEMATIC SHOWN ON DWG. 20532-50-33, (BSP P90 982) EQUIPMENT 20532-ED-119.
  2. USE 88-A OR 88-D FILTER AND "X" WIRING WHEN REQ'D. TO MINIMIZE RADIO INDUCTION. OTHERWISE USE "Y" WIRING.
  3. USE "M" WIRING WHEN USED IN CENTRAL OFFICE. USE "N" WIRING AND "N" OR "NI" APPARATUS WHEN USED IN CUSTOMER'S OFFICE.
  4. WIRING TO BE 22-G UNLESS OTHERWISE SPECIFIED.
  5. CONNECT TO I.D.F. WHEN USED IN CENTRAL OFFICE OR TO EQUIPMENT AS SPECIFIED WHEN USED IN CUSTOMER'S OFFICE. SEE BSP P90.982.
  6. ASSEMBLE AND WIRE "N" APPARATUS AS SPECIFIED AT POINT OF INSTALLATION. "NI" APPARATUS SHALL BE ASSEMBLED & WIRED BY THE SHOP.
  7. CONNECTIONS TO COMMERCIAL POWER SHALL BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES. PROVIDE FUSTATS OR FUSETRONS IN BOTH SIDES OF CIRCUIT WHEN D.C. POWER IS USED AND FUSTATS OR FUSETRONS IN NON-GROUNDED SIDE WHEN A.C. POWER IS USED. STRAP NON-FUSED SIDE.
  8. "DI" LEADS TO BE 20-F COLORED BK UNLESS OTHERWISE INDICATED, NOT INCLUDED IN LOCAL CABLE BUT RUN DIRECT FROM TERMINAL TO TERMINAL IN THE SHORTEST POSSIBLE MANNER.
  9. "PT" DENOTES LEADS PART OF APPARATUS.
  10. PROVIDE FIG. 6 WHEN 60 MA C. POWER IS USED. PROVIDE FIG. 8 WHEN 25 MA C. POWER IS USED. TELEPHONE CO. WILL PROVIDE FIG. 7 WHEN D.C. POWER IS USED.
  11. PROVIDE 7-E BUZZER AND "W" WIRING WHEN 60 MA C. POWER IS USED. PROVIDE 7-A BUZZER AND "M" WIRING WHEN 25 MA C. POWER IS USED. PROVIDE 7-F BUZZER AND "Z" WIRING WHEN D.C. POWER IS USED.
  12. FOR 88-A FILTER, "PT" WIRES COLORED RED. FOR 88-D FILTER, "DI" WIRES COLORED BLACK.
  13. U545 REL. AND 18AE RES. WERE FURNISHED ON THE FIRST 100 SETS. U783 REL. AND 18EW RES. SHALL BE FURNISHED ON SUBSEQUENT ORDERS.
  14. FOR 60MA OPERATION USE "A" APP. 18-FP RES. (U) 6350" AND "T" WIRING. (NORMALLY FURNISHED) FOR 20MA OPERATION REPLACE "A" APP. 18FP RES. (U) WITH "B" APP. 107 TYPE RES. (U) 50,000" FOR POLAR RECEPTION OMIT "T" WIRING AND TAPE LEAD REMOVED AT POSITION OF RES. (U)
  15. USE TWO 59-N (1000") RESISTANCES IF FIG. 4 IS TO BE PROVIDED. OTHERWISE USE RESISTANCES AS SPECIFIED ON DRAWING COVERING ANY APPLIQUE CIRCUIT TO BE PROVIDED.
  16. TO REDUCE POSSIBILITY OF DAMAGE FROM LIGHTNING, THE PROTECTOR GROUND, WHERE PRACTICABLE, SHOULD BE BONDED TO ELECTRIC POWER GROUND.
  17. ORIGINAL RES. "T" WAS 19-5B (NOW MFR. DISC.). RES. "T" NOW FURNISHED BY MFR. IS 19-7C.
  18. WHEN "B" APPARATUS IS USED, SPLICE R-G WIRE TO ONE "PI" LEAD OF 107A RES. AND CONNECT OTHER "PT" LEAD TO "V" RES.
  19. TEL. CO. TO EQUIP PER FIG. 9 IF SPECIFIED ON DRAWING COVERING ANY APPLIQUE CKT. TO BE PROVIDED.
  20. (F) RELAY U-1250 WAS U-545 NOW MFR. DISC.
  21. FIG. 11 SHOWS "Y" WIRING WHEN VAC TUBE (B) IS REPLACED BY SELENIUM RECT. U" WIRING MFR. DISC. WITH THIS ISSUE (40).

TABLE C (TO REMOVE "V" AND OLD "T" WRG ON PR REL) WRG. CHANGES PER ISS. 26

COLOR	FROM	TO	REMOVE	ADD	OPT. WRG
R-G	U RES.	TERM. 1 PR. REL.	T WRG. OPT.	TO TERM. 1 PR. REL.	V DISC.
RED	C COND (-)	TERM. 7 PR. REL.	X		
RED	E COND (-)	TERM. 8 PR. REL.		X	
STRAP	TERM. 2 PR. REL.	TERM. 8 PR. REL.	X		T DISC.
STRAP	TERM. 7 PR. REL.	TERM. 4 PR. REL.	X		Y
STRAP	TERM. 8 PR. REL.	TERM. 4 PR. REL.		X	Y
STRAP	U RES.	V RES.		X	T (ADD)



- NOTES: CONT.**
22. ADDED P8 Q AND R8 S WIRING IN FIGS 18 & 9 RESPECTIVELY SEE NOTE 23 ON 20532-50-33
  23. (PR) RELAY 28U AJ WAS 239 JK NOW MFR. DISC. (H) & (J) RELAYS 280 DA WERE 206 GF NOW MFR. DISC.
  24. ISSUE X THIS DWG. AGREES WITH ISSUE Y OF P90.982 ADDING J & Z WIRING AND FIG. 12
  25. THIS DRAWING NOW RATED "A&M ONLY" REPLACED BY T 630-483 (P90.983.) FOR NEW MANUFACTURE.

BELL SYSTEM PRACTICES  
TELETYPEWRITER STATION  
INSTALLATION & MAINTENANCE  
SECTION P90.983  
ISSUE Y NOV. 1952  
LONG LINES DEPT.  
REPRODUCED FROM 20532-T-116  
DIST. CLASS 600AC

- NOTES:**
101. SCHEMATIC SHOWN ON 20532-50-33 CORRECTED TO CHANGE TITLE
  102. SPECIFICATION FOR 64-C-1 SEL. REC. UNIT MOUNTED IN CABINET IS SHOWN ON W.E. CO. DWG. H-297-282.
  103. PRIOR TO ISSUE 22, RES. (7) WAS 19-5B.
  104. PRIOR TO ISSUE 25, RES. (7) WAS U-545.
  105. PRIOR TO ISSUE 25, SELECTOR (A) WAS COLORED 60MP AND MODIFIED TO CONNECT WINDING IN PARALLEL.

- ISSUES**
- 1. FEB 16, 1943
  - 2. MAR 25, 1943
  - 3. AUG 30, 1943
  - 4. SEPT 24, 1943
  - 5. FEB 25, 1944
  - 6. MAR 20, 1944
  - 7. JULY 14, 1943
  - 8. JAN 11, 1945
  - 9. NOV 21, 1945
  - 10. DEC 11, 1945
  - 11. JAN 31, 1946

- NEW AMMENDMENTS**
- 1. FEB 21, 1945
  - 2. MAR 17, 1945
  - 3. APR 11, 1945
  - 4. APR 11, 1945
  - 5. APR 11, 1945
  - 6. APR 11, 1945
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  - 38. APR 11, 1945
  - 39. APR 11, 1945
  - 40. APR 11, 1945

**A & M ONLY**

REPLACED BY T-630483

**64-C-1 SELECTOR SYSTEM RECEIVING UNIT**

WITH SPEC. DRAWN BY E.H. CHECKED BY L.R.W. DATE 12-11-42

AMERICAN TEL. & TEL. CO. LONG LINES ENG. DEPT. 20532-T-116