

be
file

TO CONNECTIONS SHOWN ON SPECIFIED TABLE WIRING DRAWINGS OR TO B5P P90431 FOR CIRCUIT DESCRIPTION FIGURES

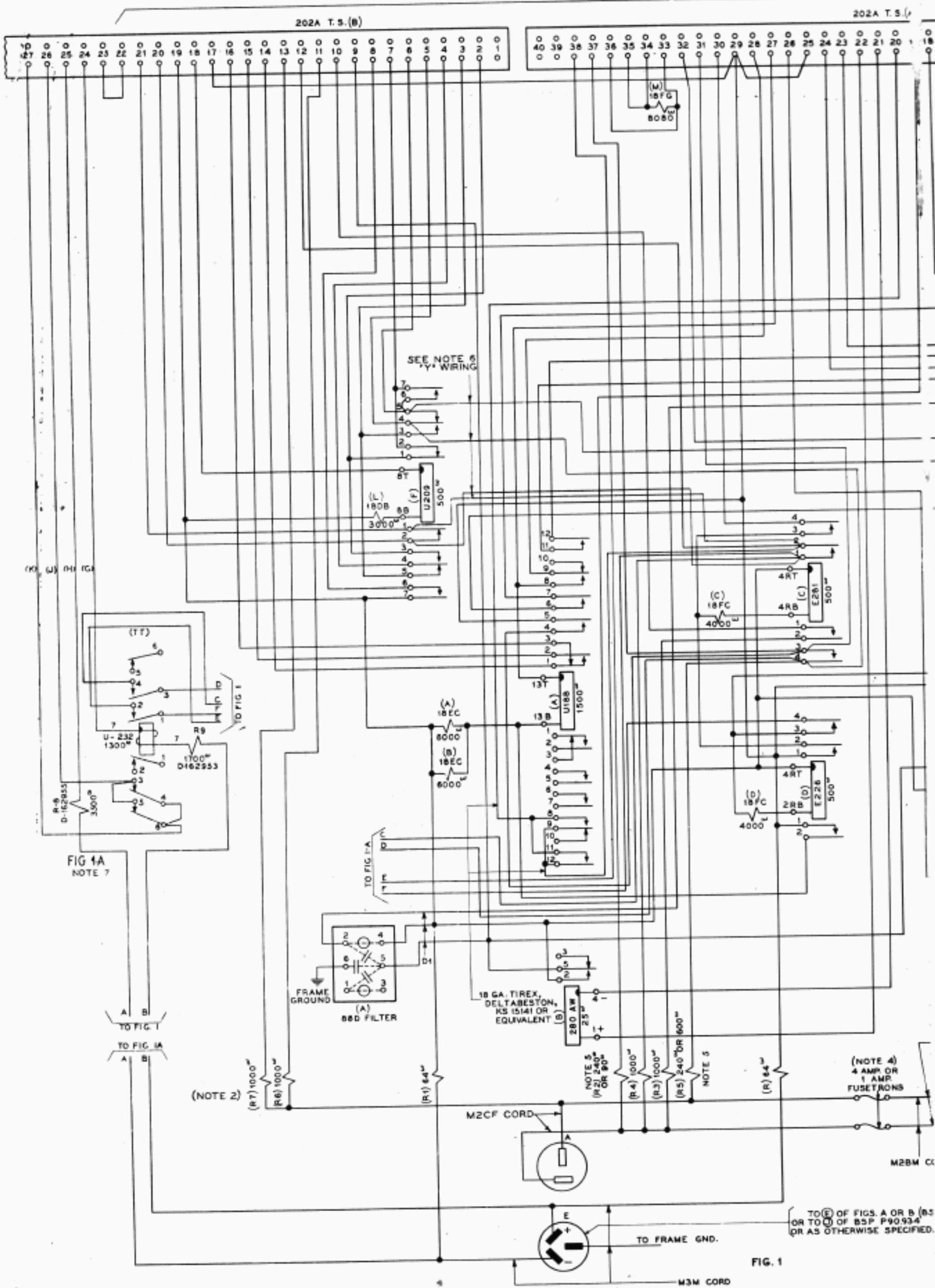


FIG 1A
NOTE 7

FIG. 1

TO (E) OF FIGS. A OR B (B5
OR TO (C) OF B5P P90431
OR AS OTHERWISE SPECIFIED.

(NOTE 2)
(R7) 1000 Ω
(R6) 1000 Ω

M2CF CORD

TO FRAME GND.

M3M CORD

(NOTE 4)
4 AMP OR
1 AMP
FUSE TRONS

NOTE 5
(R1) 240 Ω
OR 90 Ω

NOTE 5

(R4) 1000 Ω

(R3) 1000 Ω

(R5) 240 Ω OR 600 Ω

(R) 64 Ω

18 GA. TIREX,
DELTA BESTON,
KS 15141 OR
EQUIVALENT

88D FILTER

FRAME
GROUND

(A) 18EC
8000 Ω
(B) 18EC
8000 Ω

(C) 18FC
4000 Ω

(D) 18FC
4000 Ω

SEE NOTE 5
WIRING

TO FIG. 1A

TO FIG. 1

TO FIG. 1

TO FIG. 1A

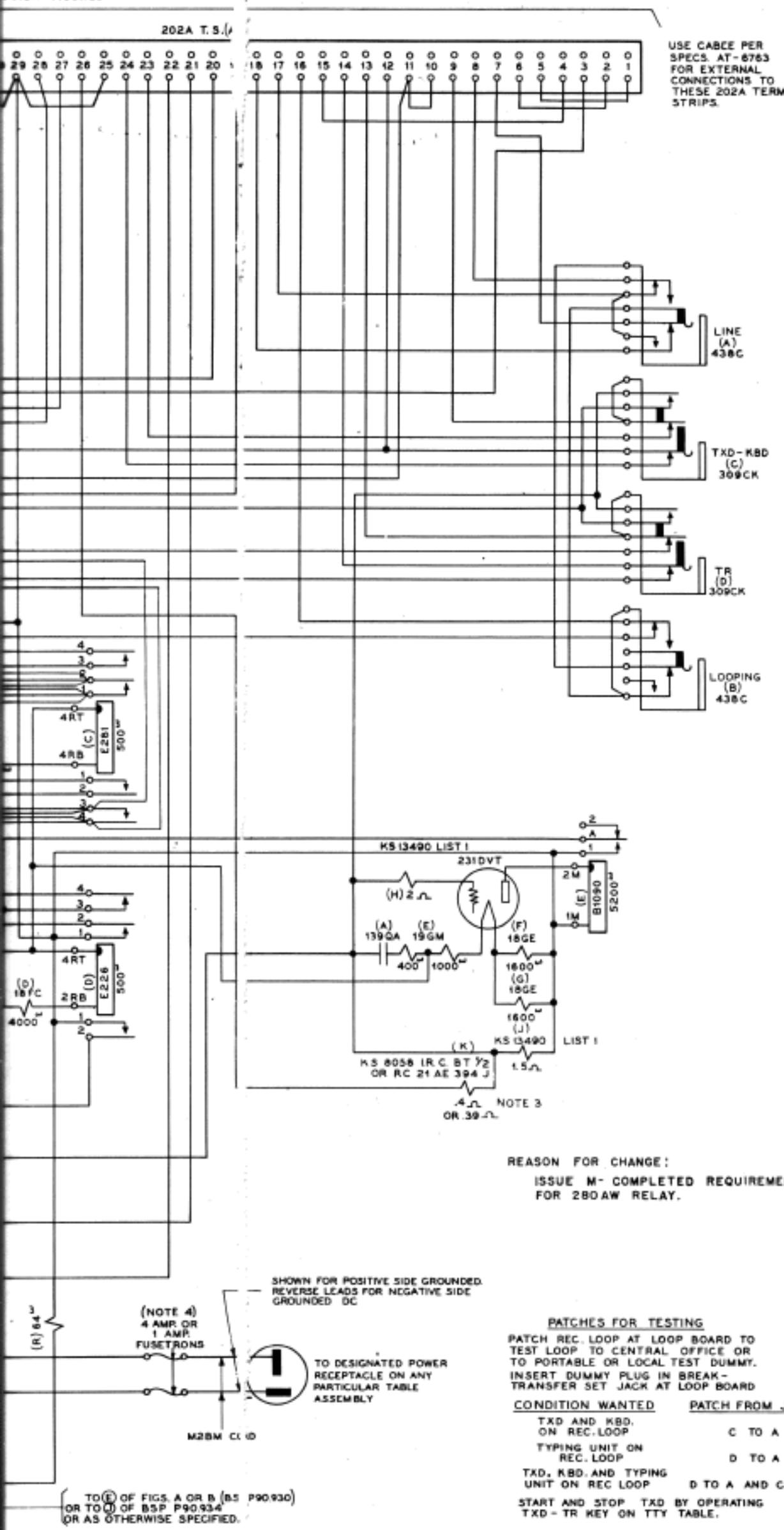
(K) (W) (H) (G)

202A T.S. (B)

202A T.S. (A)

DIST. CLASS.
 400 } AC
 600 }

TO BSP P90931
 PORTION FIGURES



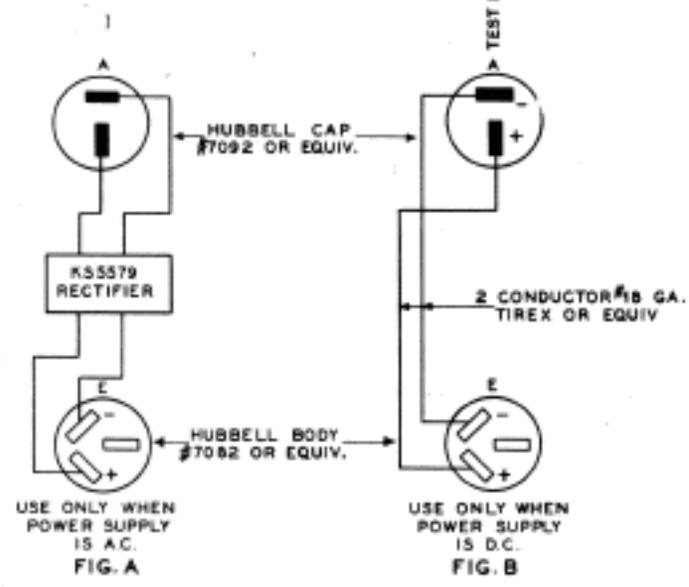
USE CABLE PER
 SPECS. AT-6763
 FOR EXTERNAL
 CONNECTIONS TO
 THESE 202A TERM
 STRIPS.

FIG. NO. 20954-SD-116

APPARATUS		MECH. REQ.		BLOCK OR INDIATE		CIRCUIT PREPARATION		DIRECT CURRENT FLOW REQ.		REMARKS
RESID.	CODE	P.S.P. FIL.	CONC. PRES.	ARM. TYPE	TEST CLIP DATA	TEST SET	TEST INSTR.	TEST INSTR.	TEST INSTR.	
(A)	U188	16	51	H	5.3	13B (A)	13T (A)	13T (A)	13T (A)	USE 45V TEST BATTERY
(B)	239GB	8-5				4 (B)	1 (B)	1 (B)	1 (B)	MFR DISC. REPLACED BY 280WF
(C)	E281	28	28	L	15	4RB (C)	4RT (C)	4RT (C)	4RT (C)	
(D)	E226	1	1	L	15	2RB (D)	4RT (D)	4RT (D)	4RT (D)	
(E)	B1090	11			30	1M (E)	2M (E)	2M (E)	2M (E)	
(F)	U209	143	48	H	47	8B (F)	8T (F)	8T (F)	8T (F)	
(TT)	U232	13	120	H	41	7T (TT)	7B (TT)	7B (TT)	7B (TT)	
(B)	280WF					4 (B)	1 (B)	1 (B)	1 (B)	
						4 (B)	1 (B)	1 (B)	1 (B)	

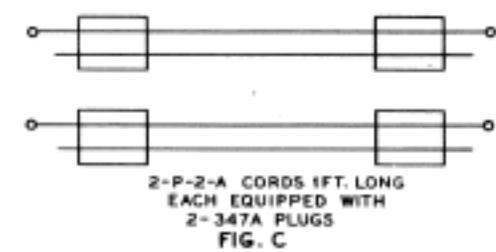
TEST NOTES: 1. DISCONNECT POWER PRECEDING A CURRENT VALUE INDICATES THAT THIS CURRENT SHALL FLOW IN A DIRECTION OPPOSITE TO THE DIRECTION OF THE CIRCUIT OPERATING CURRENT.

| TEST INSTR. |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |



USE ONLY WHEN POWER SUPPLY IS A.C.
 FIG. A

USE ONLY WHEN POWER SUPPLY IS D.C.
 FIG. B



2-P-2-A CORDS 1 FT. LONG
 EACH EQUIPPED WITH
 2-347A PLUGS
 FIG. C

NOTES:-
 EQUIPMENT SHOWN ON 20954-ED-119 ISSUE IS WIRING * * 20954-T-114 ISSUE
 2. IF WL RESISTANCES CANNOT BE OBTAINED THE FOLLOWING 59 TYPES RES. MAY SUBSTITUTED R-1 59G 60" R-2 AND R-5 59F 240" R-3 R-4 R-6 R-7 59H-1000
 4. USE 1 AMP FUSETRON IF COMMERCIAL D.C. IS USED. USE 4 AMP FUSETRON IF D.C. IS FURNISHED FROM A K5-5579 RECTIFIER.
 5. PRIOR TO MAY 1, 1943 (R-2) & (R-5) RES. WERE 240" AFTER MAY 1, 1943 PROVIDE (R-2) 90" & (R-5) 600"
 6. FURNISH WIRING IN ALL CASES. CONNECT WIRING ONLY WHEN IT IS DESIRED NOT TO CONNECT THE TR TO THE LINE ON A BREAK. WHEN WIRING IS NOT CONNECTED THE TR WILL BE CONNECTED TO THE LINE UPON RECEIPT OF A BREAK SIGNAL.

SWITCHING ARRANGEMENT
 EXTERNAL BREAK TRANSFER ARRANGEMENT
 OR USE WITH TTY TABLES
 SINGLE OR DUPLEX PLS AND DUAL SERVICE
 (SCHEMATIC)

REASON FOR CHANGE:
 ISSUE M- COMPLETED REQUIREMENTS FOR 280AW RELAY.

PATCHES FOR TESTING

PATCH REC. LOOP AT LOOP BOARD TO TEST LOOP TO CENTRAL OFFICE OR TO PORTABLE OR LOCAL TEST DUMMY. INSERT DUMMY PLUG IN BREAK-TRANSFER SET JACK AT LOOP BOARD

CONDITION WANTED	PATCH FROM JACK
TXD AND KBD. ON REC. LOOP	C TO A
TYPING UNIT ON REC. LOOP	D TO A
TXD, KBD. AND TYPING UNIT ON REC LOOP	D TO A AND C TO B

START AND STOP TXD BY OPERATING TXD - TR KEY ON TTY TABLE.

7. USE FIG. 1A WHEN THE EFFECT OF TAUT TAPE IS TO STOP THE TRANSMITTER, LIGHT THE SIGNAL LAMP & ENERGIZE THE BUZZER.

FIG. 1