SHEET INDEX

FIG.	CONTENTS	SHEET NO.	ISSUE NO. 19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	OLD SHEET NO.
	SHEET INDEX SUPPORTING INFORMATION	A1	19	20																	
		A2	19	20																	
	APPARATUS INDEX	A3	19	20																	01
	CIRCUIT NOTES INFORMATION NOTES OPTION INDEX	B1	19	20																	
	GROUP																				
1 2 3 4 5 6 7 8 9 10 11 12	ED-91929-01 1 2(MD) 3 4 5 6 7 8(MD) 9(MD) 10 11(MD) 12	C1	19	20																	
13 14 15 16 21 23 25 29 30 31 32 33 34	ED-91929-01 13 14 15 (MD) 16 17 18 (MD) 19 20 21 (MD) 22 23 24 25 (MD)	C2	19	20																	01
35 36 43 46 47 51 49 55	ED-91929-01 26 27 28 29 30 31 32 33	C3	19	20																	
17 18 19 20 22 24 27 28	ED-91938-01 1 2 3 4 (MD) 5 (MD) 6 7 8	C4	19	20																	

DWG ISS	CD ISS	DWG ISS	CD ISS	DWG ISS	CD ISS
1	1	2D	2D	3D	3D
4A	4A	5D	5D	6D	6D
7A	7A	8A	8A	9D	9D
10D	10D	11D	11D	12D	12D
13D	13D	14D	14D	15D	15D
16D	16D	17D	17D	18D	18D

DWG ISS	CD ISSUE	DATE ISSUED	DRAWN	APPD
19D	18D APP1D	4-28-64	RCR DHC	WFBW LAH ARM
20D	18D APP2D	8-28-64	DHC	GRT PBF ARM

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.
6. "OLD SHEET NO." REFERS TO SHEET NO. PRIOR TO ISSUE: 19D

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DWGS	ED-91929-01 ED-91938-01

SD- 69160-01

STATION SYSTEMS

EQUIPMENT UNITS

AT&TCO STANDARD

SD-69160-01-A1
SHEET INDEX
11 SHEETS

BELL TELEPHONE LABORATORIES INCORPORATED

DWG SIZE 3S

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SHEET INDEX (CONT)

FIG.	CONTENTS		SHEET NO.	ISSUE NO. 19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	OLD SHEET NO.
		GROUP																				
26	ED-91938-01	9	C5	19	20																	01
37		10																				
38		11																				
39		12																				
40		13																				
41		14																				
42		15																				
44		16																				
45		17(MD)																				
48		18																				
50		19																				
52	ED-91938-01	20	C6	19	20																	
53		21																				
54		22																				
	CIRCUIT REQUIREMENTS TABLE		D1	19	20																	

DRAWING ISSUE

19D MCR DHC ARM

20D DHC ARM

STATION SYSTEMS
EQUIPMENT UNITS

SD-69160-01-A2

BELL TELEPHONE LABORATORIES
INCORPORATED

3S

APPARATUS INDEX

EQUIPMENT UNITS		
FIG NO.	ED-91929-01	
	GRP NO.	APPARATUS USED
1	1	307P OR 274AH INDUCTOR
2	2	178B INDUCTION COIL (MD)
3	3	139C OR 439C CAPACITOR 33A OR 33L VARISTOR
4	4	161A OR 189A REP COIL
5	5	MTG ONLY WITH 9 TERMINALS DRILLED FOR FOUR 19-TYPE RESISTORS
6	6	18AE RESISTOR
7	7	UA46 RELAY
8	8	D-159797 INDUCTION COIL (MD)
9	9	MALLORY FPS122 CAPACITOR 40UF (MD)
10	10	18MP OR 18KM RESISTOR TWO 19SH RESISTORS
11	11	137A CAPACITOR (MD)
12	12	B1129 RELAY
13	13	85G INDUCTOR
14	14	U1023 RELAY
15	15	33A VARISTOR (MD)
16	16	U815 RELAY
21	17	U6107 OR UA129 RELAY
23	18	178F INDUCTION COIL (MD)
25	19	KS-13486 CAPACITOR 18DJ RESISTOR
29	20	18CN RESISTOR TWO 188A RESISTORS
30	21	13N RESISTANCE LAMP (MD)
31	22	18CN RESISTOR 18G RESISTOR TWO 18DS RESISTORS
32	23	TWO 19PJ RESISTORS
33	24	441A CAPACITOR
34	25	271A RELAY (MD)
35	26	33L VARISTOR
36	27	439A CAPACITOR
43	28	1C PAD
46	29	TWO 439A CAPACITORS
47	30	439C CAPACITOR
51	31	TWO 19AM RESISTORS
49	32	181B INDUCTION COIL
55	33	189D REP COIL

EQUIPMENT UNITS		
FIG NO.	ED-91938-01	
	GRP NO.	APPARATUS USED
17	1	U235 RELAY
18	2	U6107 OR UA129 RELAY TWO 139A OR 439A CAPACITOR 111A RESISTOR
19	3	U112 RELAY
20	4	D-159797 INDUCTION COIL 307N INDUCTOR (MD) 18AJ RESISTOR
22	5	178F INDUCTION COIL 307N INDUCTOR (MD) 18CK RESISTOR
24	6	UA13 RELAY 18DA RESISTOR 33D VARISTOR
27	7	UA46 RELAY
28	8	94F REP COIL
26	9	8B THERMISTOR TWO 13P RESISTANCE LAMPS 19CB RESISTOR 19LA RESISTOR
37	10	120H OR 120HS REP COIL
38	11	120K OR 120KS REP COIL
39	12	120L OR 120LS REP COIL
40	13	U902 RELAY
41	14	149E INDUCTOR
42	15	U612 RELAY
44	16	94E REP COIL
45	17	94G REP COIL (MD)
48	18	120P REP COIL
50	19	19HP RESISTOR 19JB RESISTOR 19GC RESISTOR 19SM RESISTOR 439A CAPACITOR
52	20	181B INDUCTION COIL 274L INDUCTOR
53	21	425B NETWORK
54	22	U1078 RELAY

DRAWING ISSUE	
19D	REP DHC ARM
20D	DHC ARM

STATION SYSTEMS
EQUIPMENT UNITS

SD-69160-01-A3

BELL TELEPHONE LABORATORIES INCORPORATED

SIZE 3S

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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

102.

FEATURE OR OPTION	PROVIDE FIG.	APP OR WRG	QUANTITY

103.

RECORD OF FIGURES, WIRING, AND APPARATUS CHANGES							
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT STD	A&M	MD	
3D						FIG.9	
5D				FIG.14			
6D				FIG.15, 16,17, 18,19, 20			
9D				FIG.21			
10D				FIG.22		FIG.20	
				FIG.23		FIG.8	
11D				FIG.24			
12D				FIG.25, 26,27, 28			
13D				FIG.29, 30,31, 32			
	Y OR Z	Z		Y		Z	
14D				FIG.33, 34,35, 36,37, 38,39, 40,41, 42,43			
15D				FIG.44, 45,46, 47			
						FIG.11,30	
	W OR X	X		W		X	
	U OR V	V		U		V	
16D				FIG.48, 49,50, 51,52, 53			
						FIG.2, 15,22, 23,34	
	T OR S	S		T		S	
	Q OR R	R		Q		R	
	N OR P	P	104	N,P			
	K OR M	M	104	K,M			
	H OR J	J	104	H,J			
	F OR G	G		F		G	
	D OR E	E		D		E	
17D				FIG.54			
18D				FIG.55		FIG.45	

104. USE OPTIONS N, K, AND H ONLY IF REQUIRED BY GOVERNMENT MATERIAL RESTRICTIONS ON OPTIONS P, M, AND J RESPECTIVELY.

CIRCUIT NOTES: (CONT)

105.

NETWORK VALUES			
NETWORK NO.	NETWORK CODE	RESISTANCE IN OHMS	CAPACITANCE IN UF

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS,
CAPACITANCE VALUES ARE IN MICROFARADS,
VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

OPTION INDEX

APP OR WRG	LOCATION
Z	
Y	C1
X	
W	
V	C4
U	C4
T	C2,C4
S	C2,C4
R	C1
Q	C1
P	
N	
M	C5
K	
J	
H	
G	
F	C1
E	
D	

DRAWING ISSUE

19D	ACR DHC ARM
20D	DHC ARM

STATION SYSTEMS
EQUIPMENT UNITS

SD-69160-01-B1

BELL TELEPHONE LABORATORIES INCORPORATED

DWG SIZE 3S

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DRAWING ISSUE	
19D	ARR DHC ARM
20D	DHC ARM

FIG. 1

ED-91929-01, G1

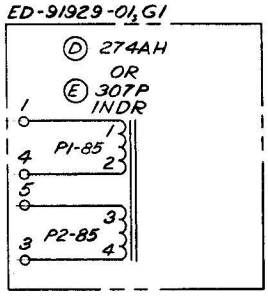


FIG. 2 (MFR DISC)

ED-91929-01, G2

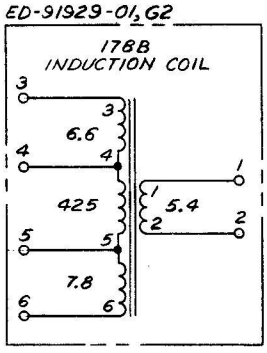


FIG. 3

ED-91929-01, G3

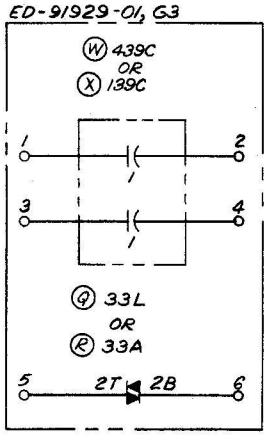


FIG. 4

ED-91929-01, G4

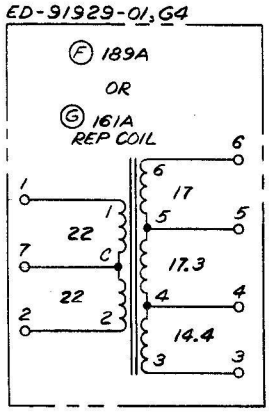


FIG. 5

ED-91929-01, G5

MOUNTING ONLY WITH 9 TERMINALS DRILLED FOR FOUR-19 TYPE RESISTANCES

FIG. 6

ED-91929-01, G6

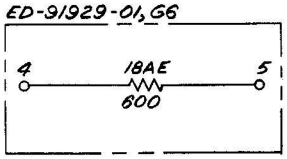


FIG. 7

ED-91929-01, G7

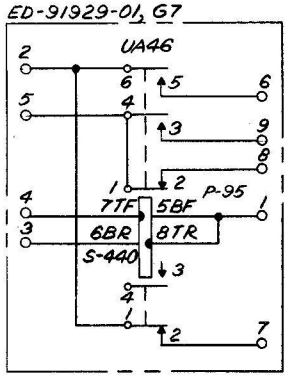


FIG. 8 (MFR DISC)

ED-91929-01, G8

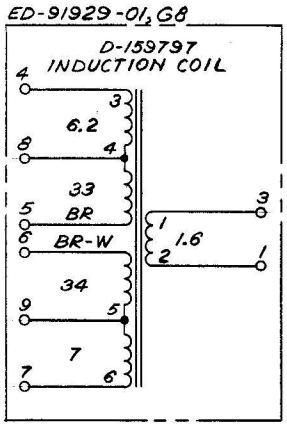


FIG. 9 (MFR DISC)

ED-91929-01, G9

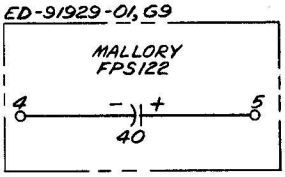


FIG. 10

ED-91929-01, G10

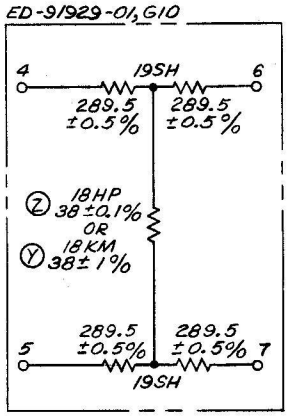


FIG. 11 (MFR DISC)

ED-91929-01, G11

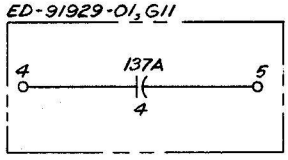
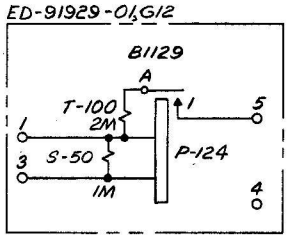


FIG. 12

ED-91929-01, G12



STATION SYSTEMS
EQUIPMENT UNITS

SD-69160-01-C1

BELL TELEPHONE LABORATORIES INCORPORATED

DWG SIZE 3S

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DRAWING ISSUE

19D	ACR DHC ARM
20D	DHC ARM

FIG. 13

ED-91929-01, G13

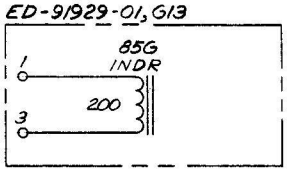


FIG. 14

ED-91929-01, G14

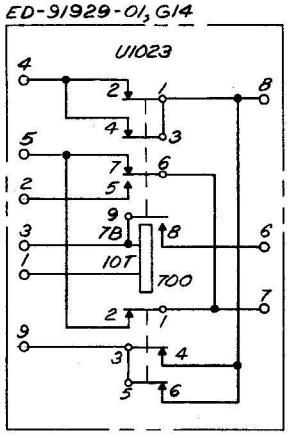


FIG. 15(MFR DISC)

ED-91929-01, G15

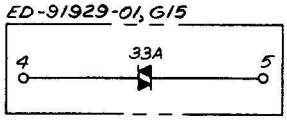


FIG. 16

ED-91929-01, G16

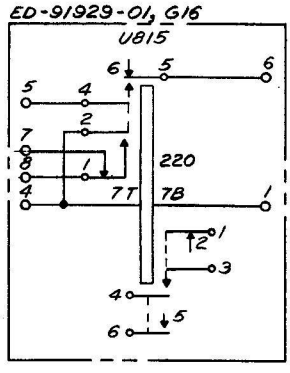


FIG. 21

ED-91929-01, G17

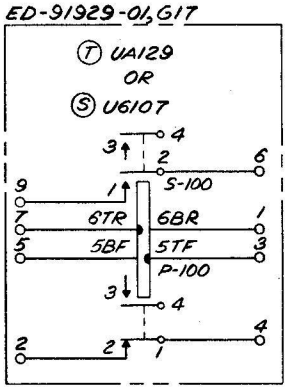


FIG. 23(MFR DISC)

ED-91929-01, G18

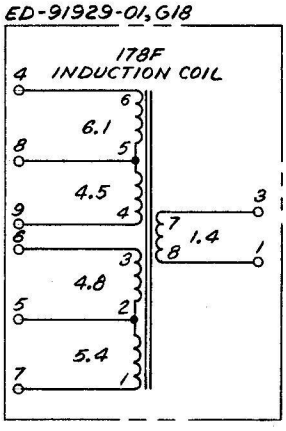


FIG. 25

ED-91929-01, G19

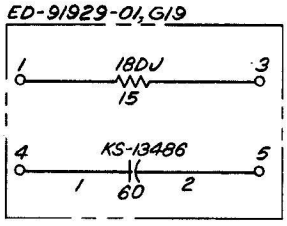


FIG. 29

ED-91929-01, G20

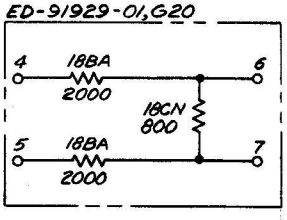


FIG. 30(MFR DISC)

ED-91929-01, G21

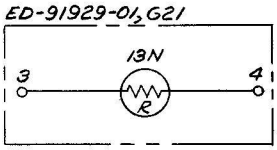


FIG. 31

ED-91929-01, G22

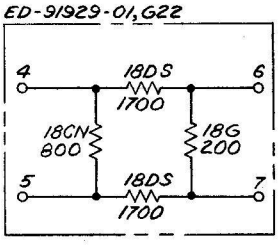


FIG. 32

ED-91929-01, G23

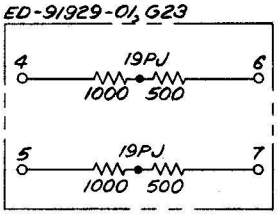


FIG. 33

ED-91929-01, G24

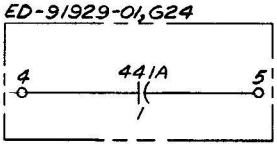
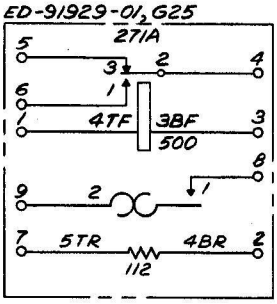


FIG. 34 (MFR DISC)

ED-91929-01, G25



STATION SYSTEMS EQUIPMENT UNITS		SD-69160-01-C2
BELL TELEPHONE LABORATORIES INCORPORATED	DWG SIZE 3S	PRINTED IN U.S.A.

FIG. 35

ED-91929-01, G26

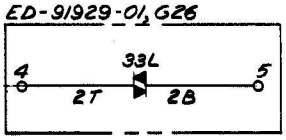


FIG. 36

ED-91929-01, G27

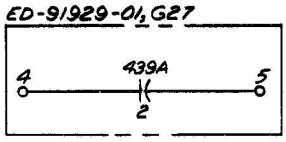


FIG. 43

ED-91929-01, G28

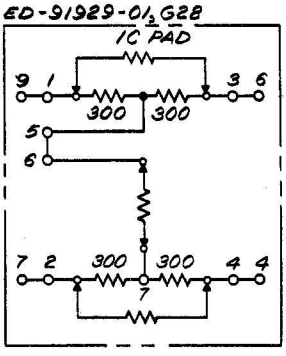


FIG. 46

ED-91929-01, G29

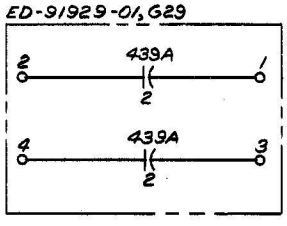


FIG. 47

ED-91929-01, G30

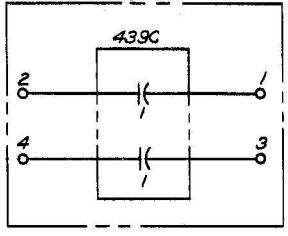


FIG. 51

ED-91929-01, G31

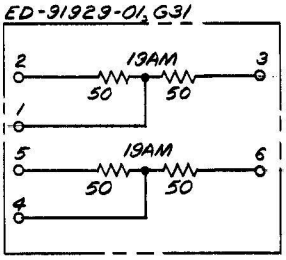


FIG. 49

ED-91929-01, G32

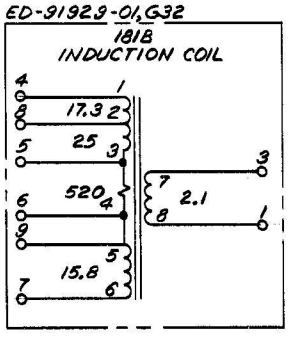
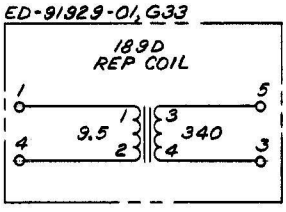


FIG. 55

ED-91929-01, G33



DRAWING ISSUE

19D ARR DHC ARM

20D DHC ARM

STATION SYSTEMS

EQUIPMENT UNITS

SD-69160-01-C3

BELL TELEPHONE LABORATORIES INCORPORATED

DWG SIZE 3S

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DRAWING ISSUE

19D AT&T DHC ARM

20D DHC ARM

FIG. 17

ED-91938-01, G1

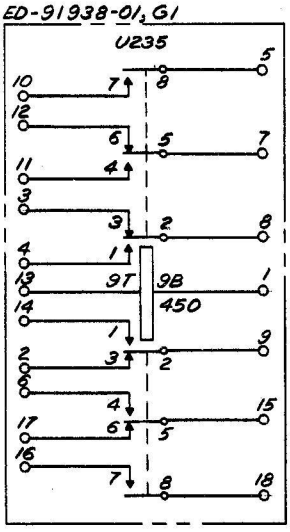


FIG. 18

ED-91938-01, G2

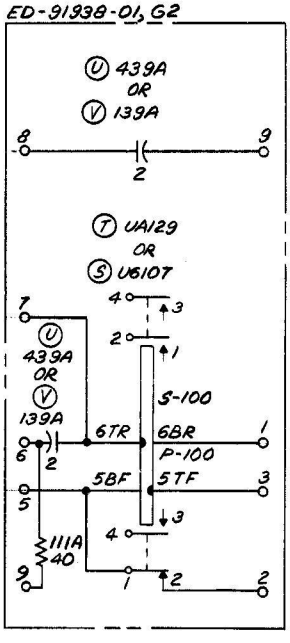


FIG. 19

ED-91938-01, G3

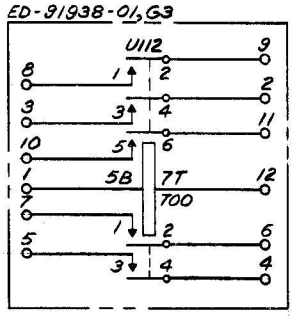


FIG. 20 (MFR DISC)

ED-91938-01, G4

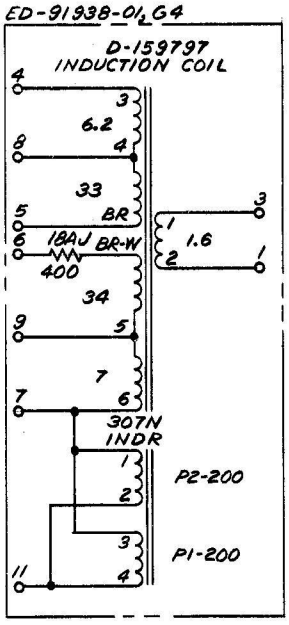


FIG. 22 (MFR DISC)

ED-91938-01, G5

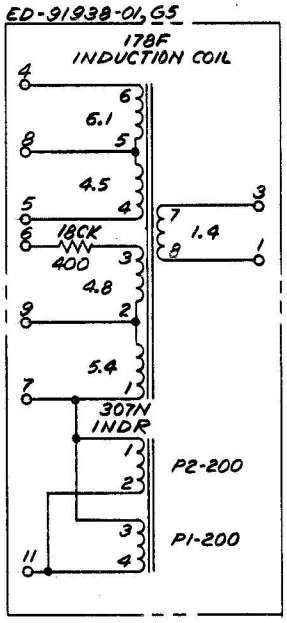


FIG. 24

ED-91938-01, G6

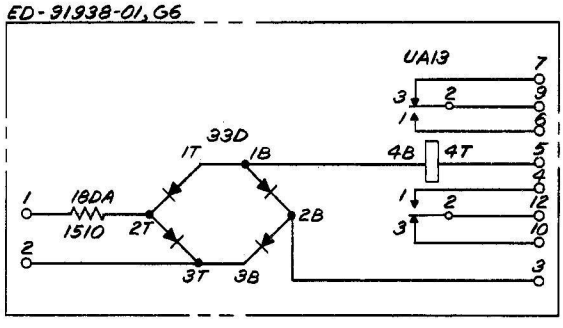


FIG. 27

ED-91938-01, G7

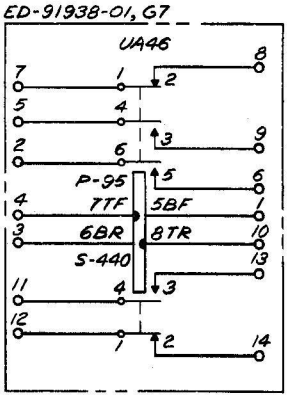
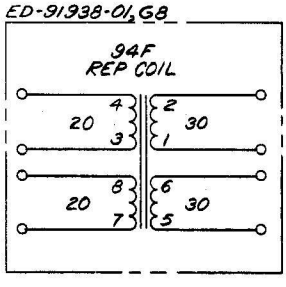


FIG. 28

ED-91938-01, G8



STATION SYSTEMS
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19D	AR DHC ARM
20D	DHC ARM

FIG. 26

ED-91938-01, G9

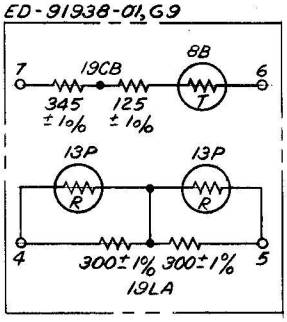

FIG. 37

ED-91938-01, G10
SEE NOTE 104

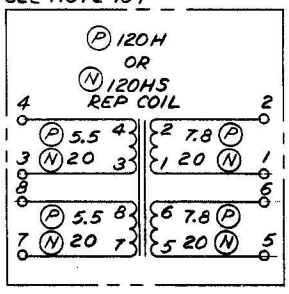

FIG. 38

ED-91938-01, G11
SEE NOTE 104

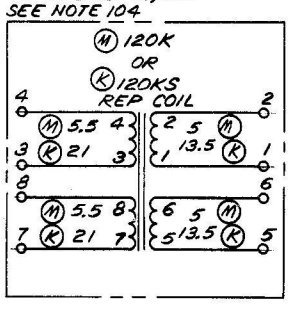

FIG. 39

ED-91938-01, G12
SEE NOTE 104

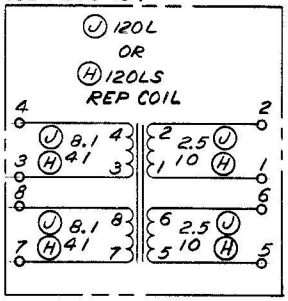

FIG. 40

ED-91938-01, G13

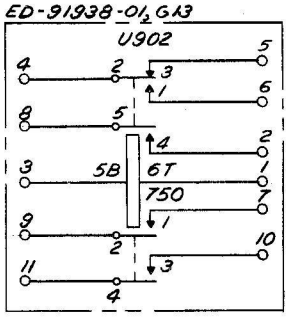

FIG. 41

ED-91938-01, G14

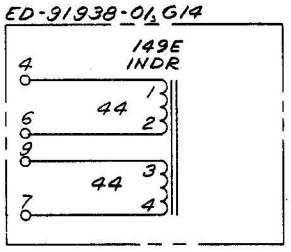

FIG. 42

ED-91938-01, G15

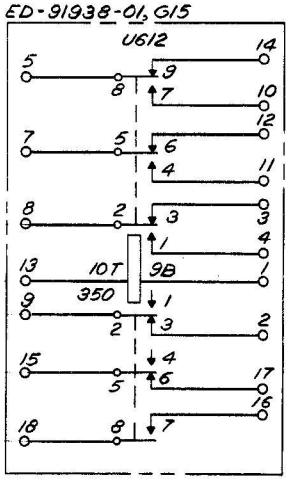

FIG. 44

ED-91938-01, G16

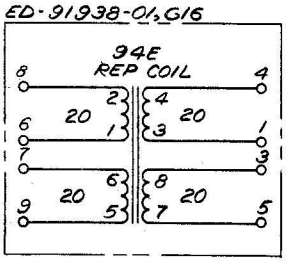

FIG. 45(MFR DISC)

ED-91938-01, G17

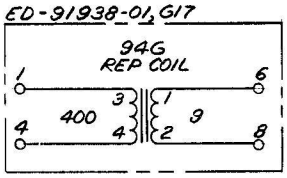

FIG. 48

ED-91938-01, G18

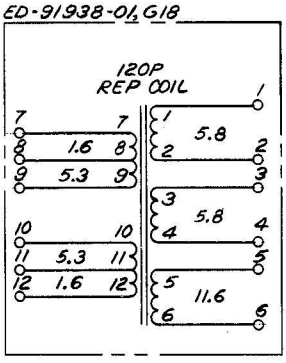

FIG. 50

ED-91938-01, G19

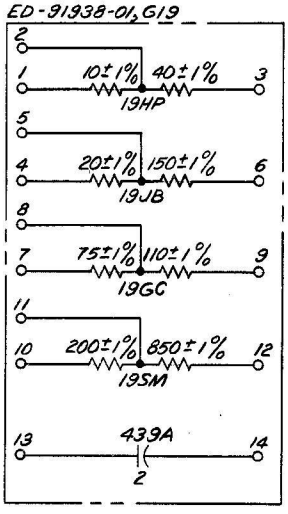

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FIG. 52

ED-91938-01, G20

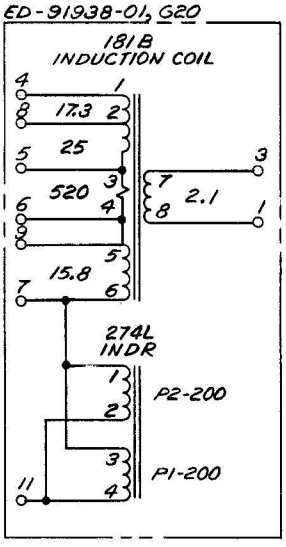


FIG. 53

ED-91938-01, G21

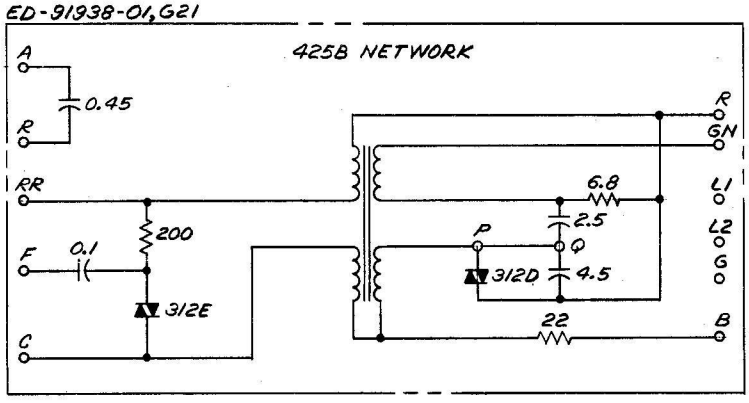
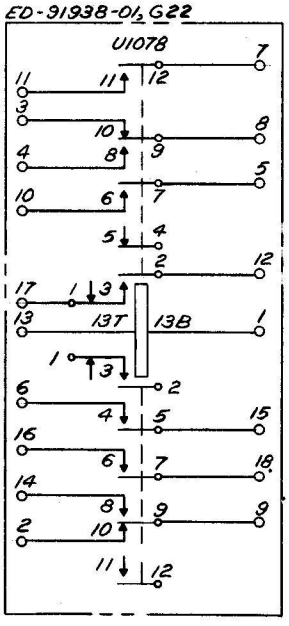


FIG. 54

ED-91938-01, G22



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20D	DHC ARM

STATION SYSTEMS
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