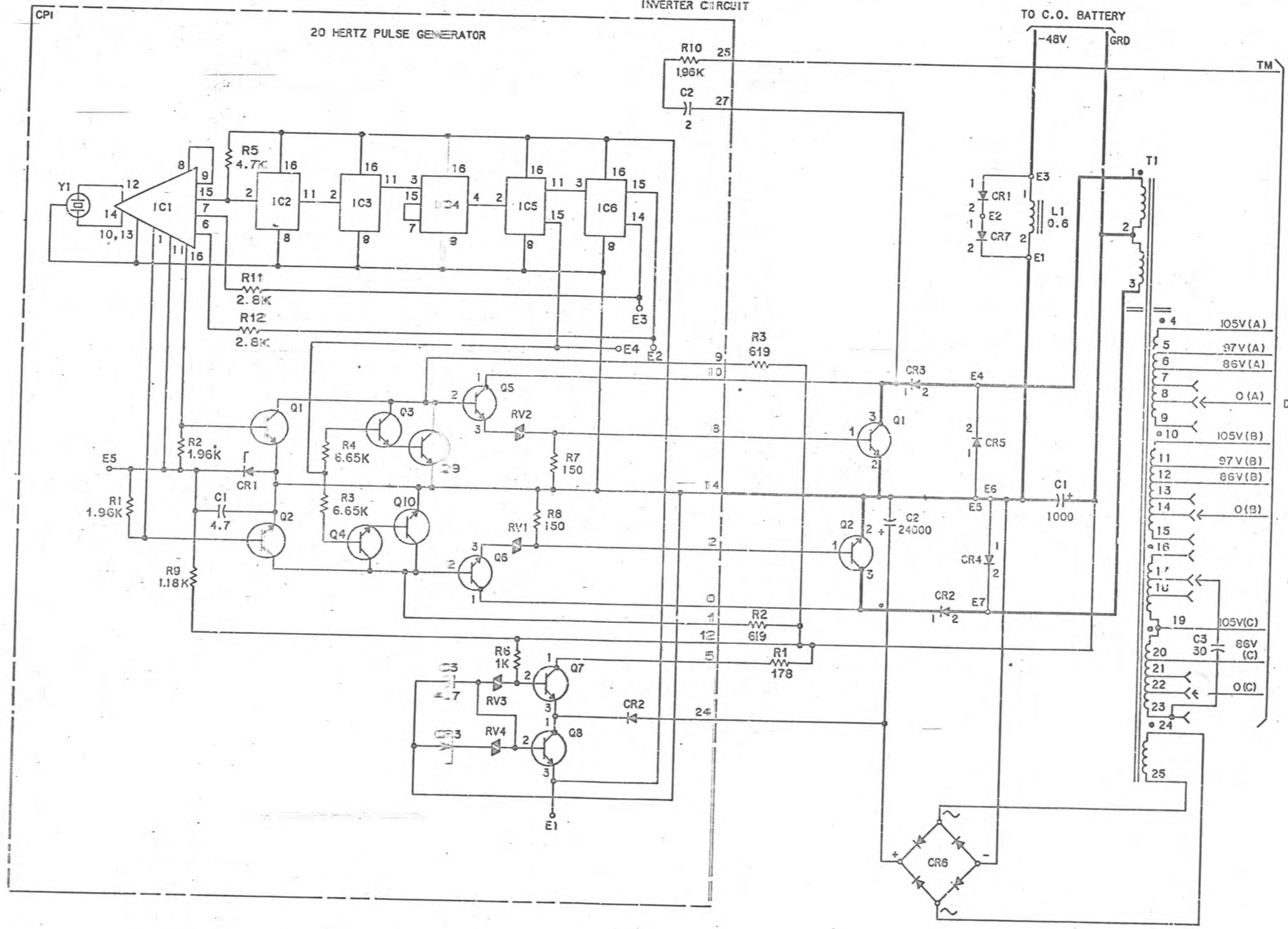




FS1  
INVERTER CIRCUIT



TO RINGING  
DISTRIBUTION  
CIRCUITS

ISSUE  
2AR

INVERTER CIRCUIT		SD-82258-01-B1
BELL TELEPHONE LABORATORIES INCORPORATED	65	PRINTED IN U.S.A.

APP FIG. 1

CAPACITOR

DESIG	LOC	CODE
C1	1E7	KS-19846, L6, 1500
C2	1E6	KS-20133, L56, 25000
C3	1F8	KS-16840, L16, 30

DIODE

DESIG	LOC	CODE
CR1	1B6	426A
CR2	1F6	485AB
CR3	1C6	485AB
CR4	1E6	426A
CR5	1D6	426A
CR6	1G6	487C
CR7	1B6	426A

INDUCTOR

DESIG	LOC	CODE
L1	1B7	1086A

RESISTOR

DESIG	LOC	CODE
R1	1F5	KS-8512, L6C, 178
R2	1F5	KS-8512, L3C, 619
R3	1C5	KS-8512, L3C, 619

TRANSFORMER

DESIG	LOC	CODE
T1	1B7	3015A

TRANSISTORS

DESIG	LOC	CODE
Q1	1D6	KS-21445, L2
Q2	1E5	KS-21445, L2

CIRCUIT PACK

DESIG	LOC	CODE
*CP1	1A2	JB7415B

E/W

CAPACITOR

DESIG	LOC	CODE
C1	1E1	601J, 4.7
C2	1A4	542F, 2
C3	1F3	601J, 4.7

\* "CP1" CIRCUIT PACK PLUGS INTO A 905A CONNECTOR

CIRCUIT PACK (CONT)

CRYSTAL

DESIG	LOC	CODE
Y1	1B0	490W, 655.3±0KHZ, WECC

DIODE

DESIG	LOC	CODE
CR1	1D1	426T
CR2	1F4	446A
CR3	1G3	446AN

INTEGRATED CIRCUIT

DESIG	LOC	CODE
IC1	1B1	502AT, WECC
IC2	1B2	41CJ, WECC
IC3	1B2	41CJ, WECC
IC4	1B3	41AB, WECC
IC5	1B3	41CJ, WECC
IC6	1B4	41AB, WECC

RESISTOR

DESIG	LOC	CODE
R1	1E0	KS-20810, L1A, 1.96K
R2	1D1	KS-20810, L1A, 1.96K
R3	1E2	KS-20810, L1A, 6.65K
R4	1D2	KS-20810, L1A, 6.65K
R5	1B1	KS-20810, L1A, 4.7K
R6	1F3	KS-14603, L1D, 1K
R7	1D3	KS-20810, L1A, 150
R8	1E3	KS-20810, L1A, 150
R9	1E1	KS-14603, L1D, 1.18K
R10	1A4	KS-20810, L1A, 1.96K
R11	1C2	KS-20810, L1A, 2.8K
R12	1C2	KS-20810, L1A, 2.8K

TRANSISTOR

DESIG	LOC	CODE
Q1	1D1	66J, WECC
Q2	1E1	66J, WECC
Q3	1D2	66J, WECC
Q4	1E2	66J, WECC
Q5	1D3	KS-20838, L1A
Q6	1E3	KS-20838, L1A
Q7	1F3	KS-20835, L1A
Q8	1G3	KS-20838, L1A
Q9	1D3	66J, WECC
Q10	1E3	66J, WECC

VARIATOR

DESIG	LOC	CODE
RV1	1E3	100A
RV2	1D3	100A
RV3	1F3	100E
RV4	1F3	100E

INVERTER CIRCUIT	SD-82258-01-C1
BELL TELEPHONE LABORATORIES INCORPORATED	6S PRINTED IN U.S.A.

10-7421 (10-71)  
 MADE IN THE U.S.A.

CIRCUIT NOTES

101.	DESIG	FUSE AMP	POTENTIAL	ONE PER
		5	-48	CKT (SEE NOTE 104)
			GRD	CKT
BATTERY SYMBOL			VOLTAGE RANGE	
-48V			-42.75 TO -53.5	

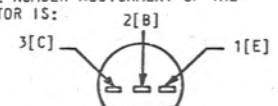
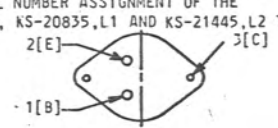
CIRCUIT NOTES: (CONT)

104. THE 5 AMP FUSE SHALL BE FURNISHED WITH THE -48V INPUT LEAD.

EQUIPMENT NOTES:

- 201. ALL LEADS SHALL BE KS-19195, L1 SOLID OR STRANDED, 24GA UNLESS OTHERWISE SPECIFIED.
- 202. ALL LEADS DESIGNATED BY A HEAVY LINE SHALL BE 16 GAUGE, KS-19195, L1 SOLID OR STRANDED
- 203. TAPS ON TRANSFORMER (T1) ARE FOR FACTORY ADJUSTMENT ONLY AND ARE NOT TO BE CHANGED IN THE FLD.

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.
- 302. INFORMATION SHOWN IN [ ] IS FOR REFERENCE ONLY.
- 303. THE TERMINAL NUMBER ASSIGNMENT OF THE 66J TRANSISTOR IS:
 
- 304. THE TERMINAL NUMBER ASSIGNMENT OF THE KS-20838, L1, KS-20835, L1 AND KS-21445, L2 TRANSISTOR IS:
 
- 305. CONNECTOR ON FRAME IS 905A.

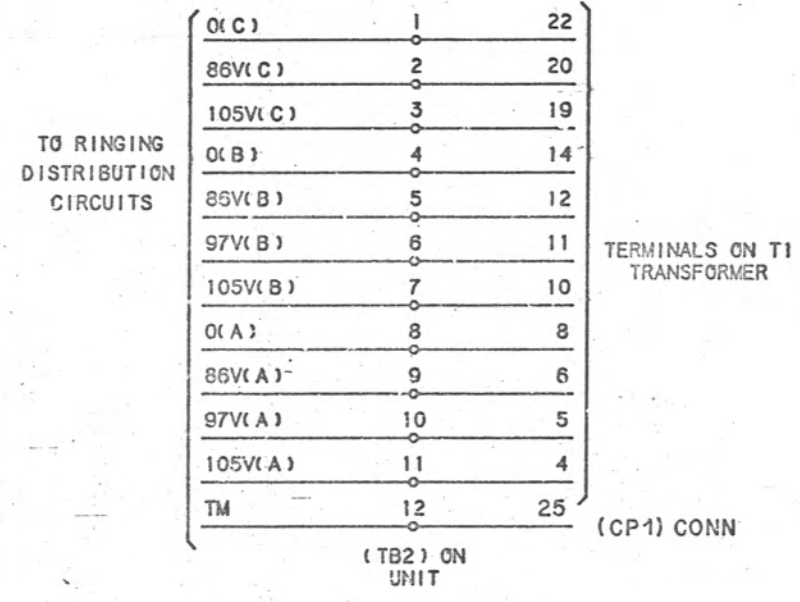
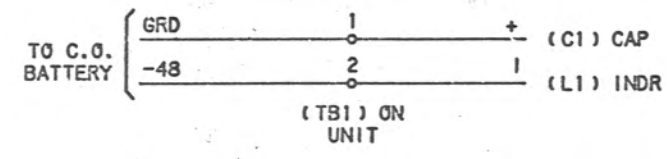
102.	FEATURE OR OPTION	PROVIDE		
		APP FIG.	APP OR WRG	QUANTITY
	20 HERTZ INVERTER CIRCUIT	1		1 PER CKT

103.	RECORD OF APP. 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	

INVERTER CIRCUIT	SD-82258-01-D1
BELL TELEPHONE LABORATORIES INCORPORATED	65 PRINTED IN U. S. A.

WAVE TO THE LEFT OPTION

CAD 1  
(FOR APP. FIG. 1)



INVERTER CIRCUIT	ISSUE 1
BELL TELEPHONE LABORATORIES INCORPORATED	SD-82258-01-G1
65	PRINTED IN U.S.A.

SEE IN 100 FOR GUIDE

0 1 2 3 4 5 6 7 8 9

R101