

SHEET INDEX

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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
	1-1/3	-48 TALK	CKT

BATTERY SYMBOL	VOLTAGE RANGE
-48	45 - 52V

EQUIPMENT NOTES:

201. THE SHIELDED LEADS TO (T01) SHALL BE TWISTED PAIRS WITH THE SHIELDS TERMINATED AT THE AMPLIFIER END ONLY. THE SHIELD SHALL BE INSULATED THROUGHOUT THEIR LENGTH. THE TYPE OF WIRE SHALL BE SPECIFIED ON THE CONNECTING CIRCUIT.

SUPPORTING INFORMATION

CATEGORY	NO.

DWG ISSUE	EE OR CD ISSUE	DATE ISSUED	BY	APP
1	1	3-23-60	WVG	WVG
2D	1	9-16-60	WVG	WVG
3D	1	3-23-60	WVG	WVG
4B	1	10-5-59	WVG	WVG
5D	1	10-17-59	WVG	WVG
6D	1	12-1-67	WVG	WVG
7B	2B	4-7-67	WVG	WVG
8D	3D	12-5-75	WVG	WVG
9D	3D APP 1D	1-24-79	WVG	WVG

102.

FEATURE OR OPTION	PROVIDE			REMOVE
	APP FIG.	APP OR WRG	QUANTITY	APP OR WRG
KS-19221, L1 AMPLIFIER	2		1 PER CKT	
AMPLIFIER CKT	3		1 PER CKT	
BATTERY GROUND	POSITIVE	* Z		
	NEGATIVE	Y		Z
TRANSFORMER OUTPUT	1 OHM	X		W
	4 OHM	* W		

* INDICATES OPTION FURNISHED WITH AMPLIFIER AS SUPPLIED BY THE MANUFACTURER

OPTION INDEX

APP OR WRG	LOCATION
Z	2C6, 4C6
Y	2C6, 4C6
X	2B6, 4A7, 4B7
W	2B6, 4B6
V	2C5
T	APP FIG. 1

103.

NETWORK VALUES		
NETWORK NO.	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.

104.

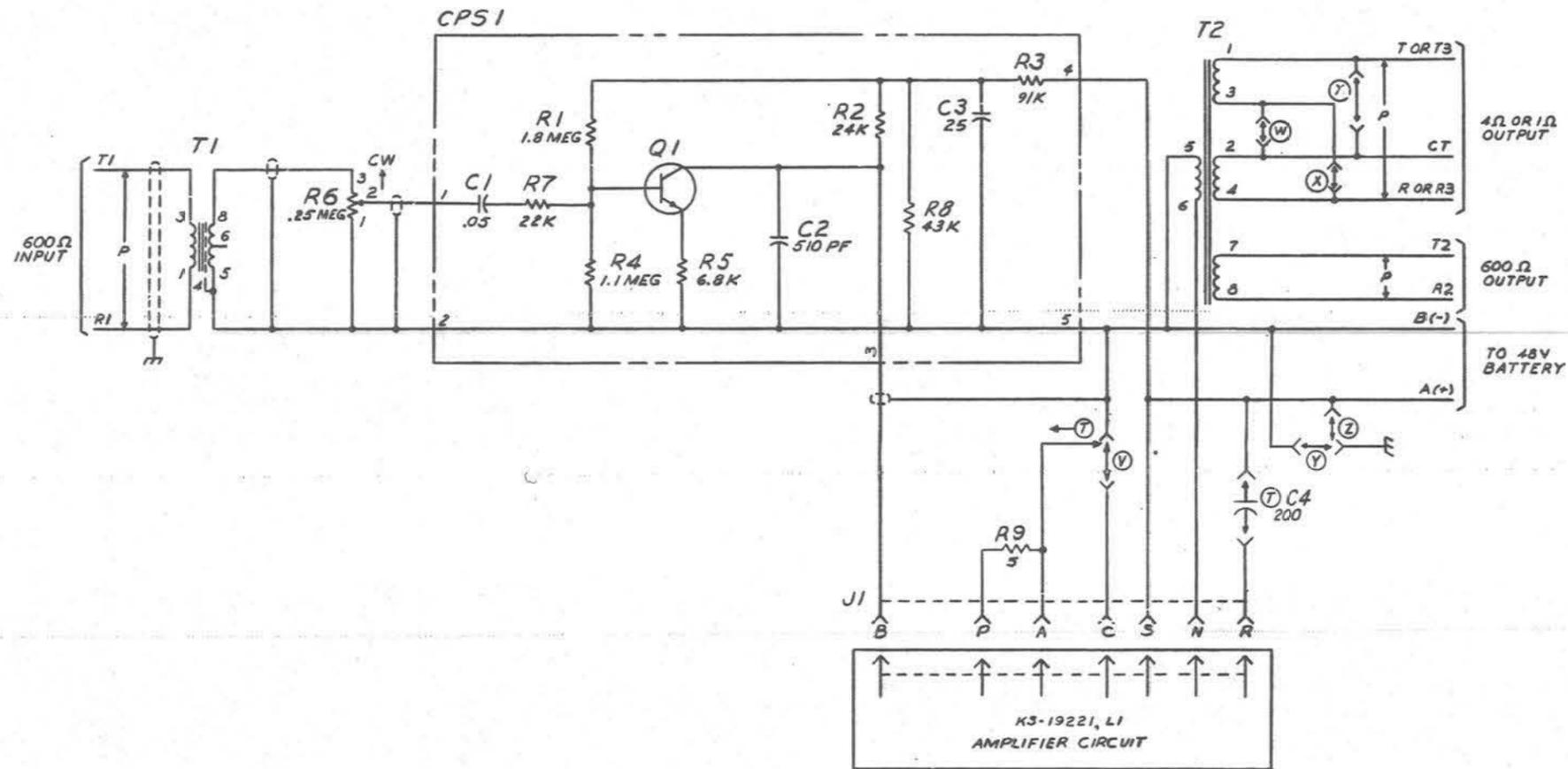
RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USED IN CIRCUIT		
				STD	A & M	MD
4B	T OR V	V		T		V
7B	APP FIG 10R3	1		3		1

NOTICE
NOT FOR USE OR
DISCLOSURE OUTSIDE
THE BELL SYSTEM
EXCEPT UNDER
WRITTEN AGREEMENT

ISSUE
9D

SD-99360-01	2N06	A&M ONLY
COMMON SYSTEMS KS-19739, L1 AMPLIFIER CIRCUIT		SD-99360-01-1 4 SHEETS
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FS I (MFR DISC.)
AMPLIFIER CIRCUIT



APP FIG. 1 (MFR DISC.)

APP FIG. 2

CIRCUIT PACKAGE		
DESIG	LOC	CODE
CPS 1	2A2	B-573725

CONNECTOR	
DESIG	LOC
J1	
CODE	KS-16345, L2
OPTION	
TERM.	LOC
S	204
R	204
P	204
N	204
M	
L	
K	
J	
H	
F	
E	
D	
C	204
B	204
A	204

POTENTIOMETER		
DESIG	LOC	CODE
R6	2B2	ALLEN-BRADLEY, .25 MEG TYPE J 2 WATT - TAPER A FURNISHED WITH SCREWDRIVER SHAFT 1/8 IN. BEYOND THE 3/8 IN. MOUNTING BUSHING. TAPER FLAT 1/32 X 1/32 ON SIDE OF SHAFT END SHALL BE ON SIDE ADJACENT TO AND INDICATING WIPER POSITION. IT SHALL BE LOCATED AT 90° TO SLOT IN SHAFT.

TRANSFORMER		
DESIG	LOC	CODE
T1	2B1	2536T
T2	2A6	2608A

AMPLIFIER		
DESIG	LOC	CODE
	205	KS-19221, L1

CAPACITOR		
DESIG	LOC	CODE
① C4	2C6	SPRAGUE 340207F075GP4

RESISTOR		
DESIG	LOC	CODE
① R9	2D5	KS-14603 L1A, 5

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DRAWING ISSUE	
ISSUE	DATE
1	
2D	
3D	
4B	
5D	
6D	
7B	
8D	

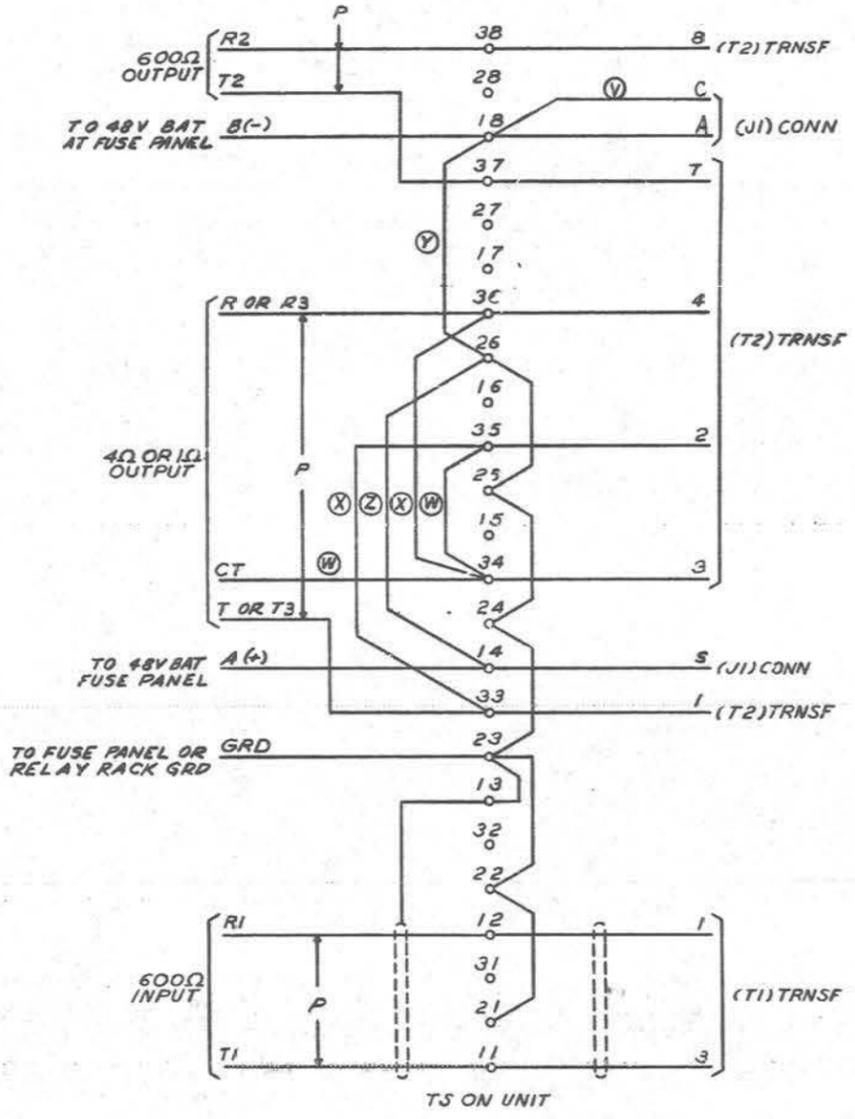
ISSUE
9D

KS-19739, L1 AMPLIFIER CIRCUIT ② SD-99360-01-2

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DRAWING	ISSUE
1	9D
2D	
3D	
4B	
5D	
6D	
7B	
8D	

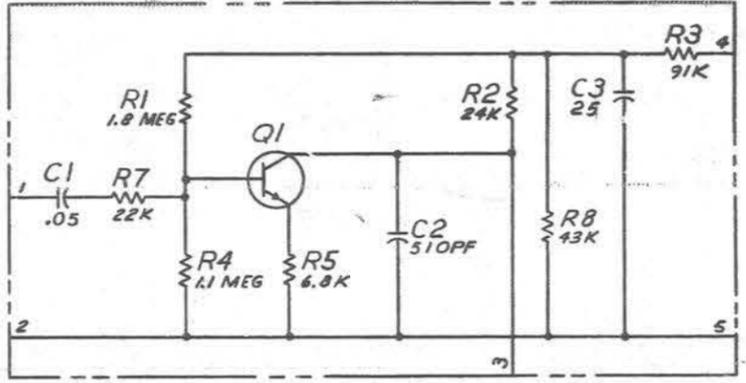
CAD. I
(FOR APP FIG. 1, 2, & 3)
SEE NOTE 201



MANUFACTURING REFERENCES

CATEGORY	NO.
ASSEMBLY DRAWING	B-573725

CPS I



- COMPONENT LIST**
- CAPACITOR**
- | DESIG | CODE |
|-------|----------------------|
| C1 | 542N |
| C2 | KS-14056, L8, 510 PF |
| C3 | KS-16390, L1, 25 |
- RESISTOR**
- | DESIG | CODE |
|-------|---------|
| R1 | 1.8 MEG |
| R2 | 24 K |
| R3 | 91 K |
| R4 | 1.1 MEG |
| R5 | 6.8 K |
| R7 | 22 K |
| R8 | 43 K |
- KS-19150, L1
- TRANSISTOR**
- | DESIG | CODE |
|-------|------|
| Q1 | 16H |

SD-99360-01-3

KS-19739, L1 AMPLIFIER CIRCUIT

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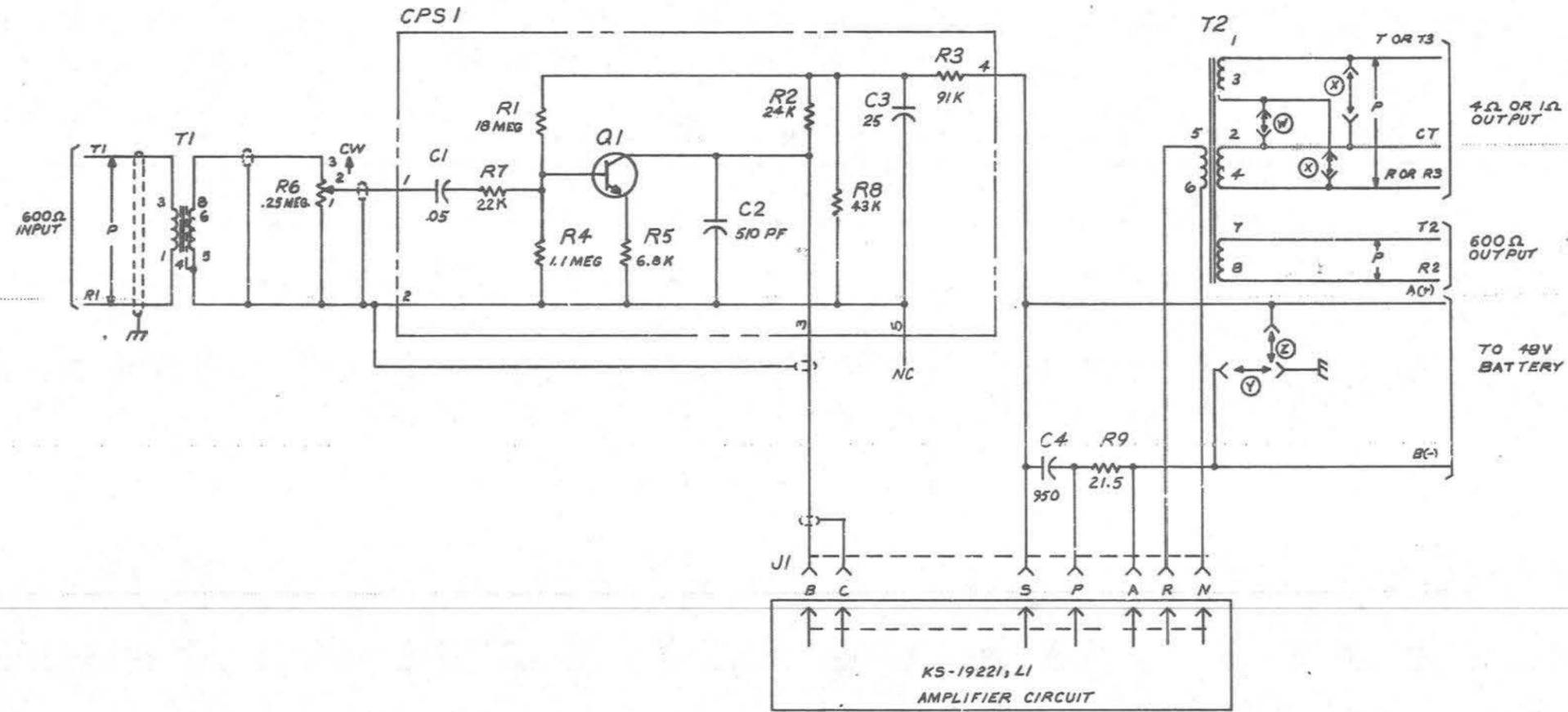
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FS 2
AMPLIFIER CIRCUIT



APP FIG.3

CIRCUIT PACKAGE		
DESIG	LOC	CODE
CPS 1	4A2	8-573725

CONNECTOR	
DESIG	J1
CODE	KS-16345, L2
OPTION	
TERM.	LOC
S	4D4
R	4D4
P	4D4
N	4D4
M	
L	
K	
J	
H	
F	
E	
D	
C	4D4
B	4D4
A	4D4

POTENTIOMETER		
DESIG	LOC	CODE
R6	4B2	ALLEN-BRADLEY, .25 MEG TYPE J 2 WATT - TAPER A FURNISHED WITH SCREWDRIVER SHAFT 1/8 IN. BEYOND THE 3/8 IN. MOUNTING BUSHING. TAPER FLAT 1/32 X 1/32 ON SIDE OF SHAFT END SHALL BE ON SIDE ADJACENT TO AND INDICATING WIPER POSITION. IT SHALL BE LOCATED AT 90° TO SLOT IN SHAFT.

TRANSFORMER		
DESIG	LOC	CODE
T1	4B1	2536T
T2	4A6	2608A

CAPACITOR		
DESIG	LOC	CODE
C4	4D5	SPRAGUE 340957G050JP4

RESISTOR		
DESIG	LOC	CODE
R9	4D6	KS-14603 L1A, 21.5

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KS-19739, L1 AMPLIFIER CIRCUIT		2	SD-99360-01-4
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DRAWING
ISSUE
7B
8D

ISSUE
9D