

instruction manual revision

GENERAL

This revision outlines changes that have occurred since the printing of your instruction manual. Use this information to correct your manual.

INSTRUCTION MANUALS AFFECTED:

68P81071E50-A

REVISION DETAILS:

The power supplies GPN1009A and GPN1010A with Battery Revert have been replaced by a non-Battery Revert supply.

ATTACHMENTS:

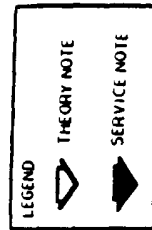
Schematic/Theory of Operation
Parts List
Overlay

100 - 240 V AC
50/60 HZ



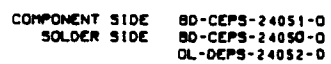
- | PRIMARY VOLTAGE | WIRING | VOLTAGE APPLIED TO |
|-----------------|-------------------------------|--------------------|
| 100 ± 20% | NO 2 TO NO 5 AND NO 1 TO NO 6 | NO 5 AND NO 1 |
| 120 ± 20% | NO 3 TO NO 4 AND NO 1 TO NO 6 | NO 4 AND NO 1 |
| 220 ± 20% | NO 3 TO NO 6 | NO 5 TO NO 1 |
| 240 ± 20% | NO 3 TO NO 6 | NO 4 AND NO 1 |

7 THE POWER SUPPLY IS SET FOR 1.0 V DC $\approx$ 10 A DC WITH NOMINAL LINE VOLTAGE



PARTS LIST

REF SYMBOL	MOTOROLA PART NO.	DESCRIPTION
<u>CAPACITORS:</u>		
C1	2382464C12	14,000 μ F -10% +75% 40V
C2	2384665F03	100 μ F -10% +100% 25V
C3	2182428B10	.0033 μ F CER DISC 10% X5R 100V
C4	2384665F34	220 μ F 20% 25V
C5	0882905G02	.022 μ F POLYEST 10% 50V
C6	2182428B10	.0033 μ F CER DISC 10% X5R 100V
C7	2182372C04	.05 μ F +80% -20% 25V
C8	2383210A19	500 μ F -10% +100% 20V
<u>DIODES:</u>		
CR1	4882918N01	Rectifier, Bridge
CR2	48836554H01	Silicon
CR3	48836554H01	Silicon
CR4	4882256C47	Zener 6.8v
CR5	48836554H01	Silicon
CR6	48836554H01	Silicon
<u>RESISTORS:</u>		
R1	0611009C21	68 5% 1/4 W
R2	0611009C73	10k 5% 1/4 W
R3	0611009C33	220 5% 1/4 W
R4	0611049H52	365 1% 1/4 W
R5	1782177B08	200 FWW 10% 5W
R6	0611009C13	33 5% 1/4W
R7	0611009C49	1k 5% 1/4W
R8	1884944C01	2k Pot 20% .10W
R9	0611009C47	820 5% 1/4W
R10	0611009C39	390 5% 1/4W
R11	0611009C49	1k 5% 1/4W
R12	0611009C73	10k 5% 1/4W
R13	1782177B50	0.1 10% 7W
R14	1784591G04	0.1 3% 8W
R15	0611049G56	37.4 1% 1/4W
R16	0611049G60	41.2 1% 1/4W
<u>TRANSISTORS:</u>		
Q1	4800869649	PNP; Type M9649
Q2	4800869648	NPN; Type M9648
Q3	4882022N06	NPN
Q4	4800869633	PNP; Type M9633
Q5	4800869639	NPN; Type M9639
Q6	4800869639	NPN; Type M9639
Q7	4800869642	NPN; Type M9642
<u>MISC:</u>		
T1	2584932L01	TRANSFORMER PWR
F1	6500061688	FUSE 4 AMP
F2		FUSE 15 AMP



SHOWN FROM SOLDER SIDE



MOTOROLA INC.

Communications
Group

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68P81078E15-0	RADIUS R100 (RT) STATION
68P81071E50-A	RADIUS R100 (RT) STATION
TDN7406A	TELEPHONE INTERCONNECT MAN.

REVISION DETAILS:

QRN4314A

INTERFACE BOARD

R25 Changed to 13K Ohms - Pt. # 0611009C76

R26 Changed to 13K Ohms - Pt. # 0611009C76

BRN lead (PIN 13) Moved to U801-9

TDN7406A

TELEPHONE INTERCONNECT

R33 Changed to 2.61K Ohms - Pt. # 0610621C35

4/28/88

PHONE PATCH/EXTENDED LOCAL CONTROL WIRING DIAGRAMS

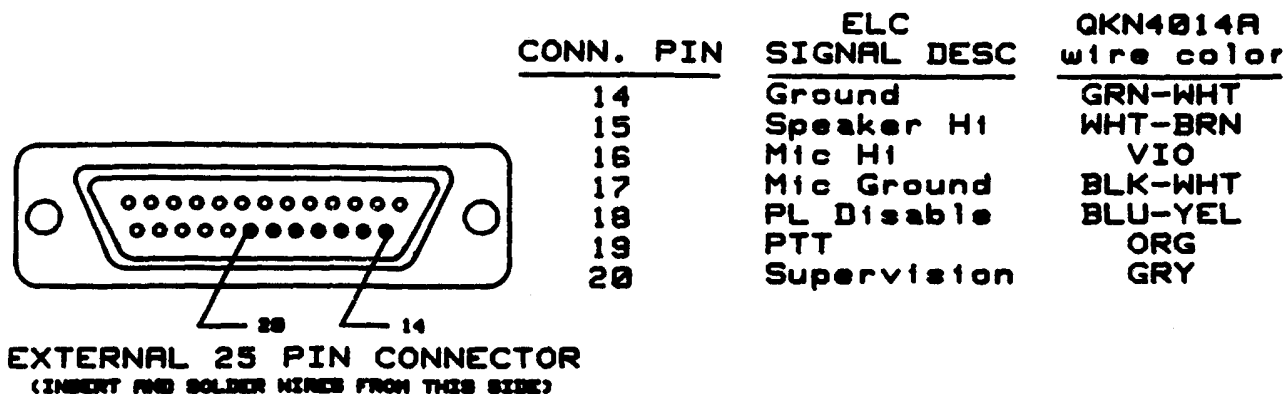
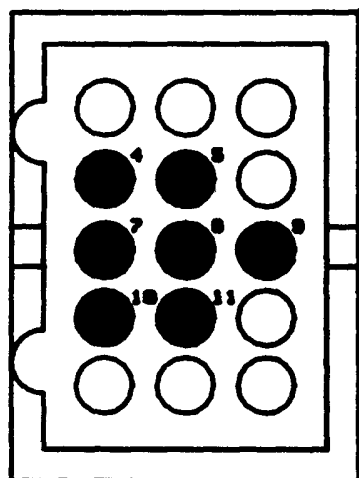


FIGURE A

EXTENDED LOCAL CONTROL CONNECTOR
wiring diagram



(INSERT PINS FROM THIS SIDE)

CONN. PIN	ELC SIGNAL DESC
4	PTT
5	Supervision
7	PL Disable
8	Mic Hi
9	Ground
10	Mic Ground
11	Speaker Hi

FIGURE B

EXTENDED LOCAL CONTROL CONNECTOR
WITH PHONE PATCH. wiring diagram
(SEE NOTE)

NOTE: WHEN BOTH PHONE PATCH AND ELC ARE BEING INSTALLED
ADAPTER CABLE QKN4014A MUST BE ADDED TO PHONE
PATCH CABLE (25 PIN END)