DF-8385

MOBILE RADIO

INSTALLATION INSTRUCTIONS
FOR
HEADSET ADAPTOR KIT 19A129002G1
OPTION 5238

(For Command Control Center and Transistorized Control Console)

CONTENTS

DESCRIPTION

The Headset Adaptor Kit 19A129002G1 contains the necessary parts to install the Pacific Planatronics Headset Options 5228 and 5229 in a Command Control Center or a Transistorized Control Console. The adaptor box provides an operator adjustable volume control and a microphone gain control. When the headset plug is inserted into the jack on the adaptor box, the panel microphone is disabled and the headset microphone is enabled. Also, the audio from the panel speaker of the Control Center is switched to the headset earpiece.

INSTALLATION

(Refer to the Outline and Schematic diagrams)

Multi-Station Control:

1. Mount the four point eyelet board (19A129003G1) near the Audio Board A851 in the Control Panel, using the screw that holds the fuse block XF851 ..... ☑
2. Remove the mike connection from J3 on the Audio Board and connect it to J3 on the eyelet board ..... ☐
3. Remove the mike connection from J4 on the Audio Board and connect it to J4 on the eyelet board..... ☐
4. Mount the 19C317786G1 Headset Adaptor box at some convenient location on the desk and route its cable to the eyelet board. If clearance is needed between the desk and the Headset Adaptor box, use the spacers provided in the kit ..... ☐
5. Connect terminal P851 to J1 on the eyelet board ..... ☐
6. Connect terminal P852 to J2 on the eyelet board ..... ☐
7. Connect the other wires in the cable to points designated on Schematic Diagram 19B219249 ..... ☐

Dual Station Control:

1. Mount the four point eyelet board (19A129003G1) near the Audio Board A851 in the Control Panel. Drill mounting hole with a number 31 drill. Use a 1/4 x 4-40 screw and washer ☐
2. Remove the mike connection from J3 on the Audio Board and connect it to J3 on the eyelet board ☐
3. Remove the mike connection from J4 on the Audio Board and connect it to J4 on the eyelet board ☐
4. Mount the 19C317786G1 Headset Adaptor box at some convenient location on the desk and route its cable to the eyelet board. If clearance is needed between the desk and the Headset Adaptor box, use the spacers provided in the kit ☐
5. Connect terminal P851 to J1 on the eyelet board ☐
6. Connect terminal P852 to J2 on the eyelet board ☐
7. Connect the other wires in the cable to points designated on Schematic Diagram 19B219249 ☐

Transistorized Control Console:

1. Mount the four point eyelet board (19A129003G1) near the Audio Board 801 in the Control Console. Drill mounting hole with number 31 drill. Use a 1/4 x 4-40 screw and washer ☐
2. Remove the mike connection from J3 on the Audio Board and connect it to J3 on the eyelet board ☐
3. Remove the mike connection from J4 on the Audio Board and connect it to J4 on the eyelet board ☐
4. Mount the 19C317786G1 Headset Adaptor box at some convenient location on the desk and route its cable to the eyelet board. If clearance is needed between the desk and the Headset Adaptor box, use the spacers provided in the kit ☐
5. Connect terminal P851 to J1 on the eyelet board ☐
6. Connect terminal P852 to J2 on the eyelet board ☐
7. Connect the other wires in the cable to points designated on Schematic Diagram 19B219249 ☐

ADJUSTMENT

1. Adjust the gain control on the console as directed in the standard instructions for the mike supplied with the console ☑
2. Plug the headset into the adaptor box ☐
3. Connect a VOM between the emitter (J19) of DC AMP Q7 on Console Audio Board and ground ☐
4. While keying the transmitter from the console, whistle into the headset mike and adjust the Mic Level control on the adaptor box for an indication of 0.4 VDC ☐

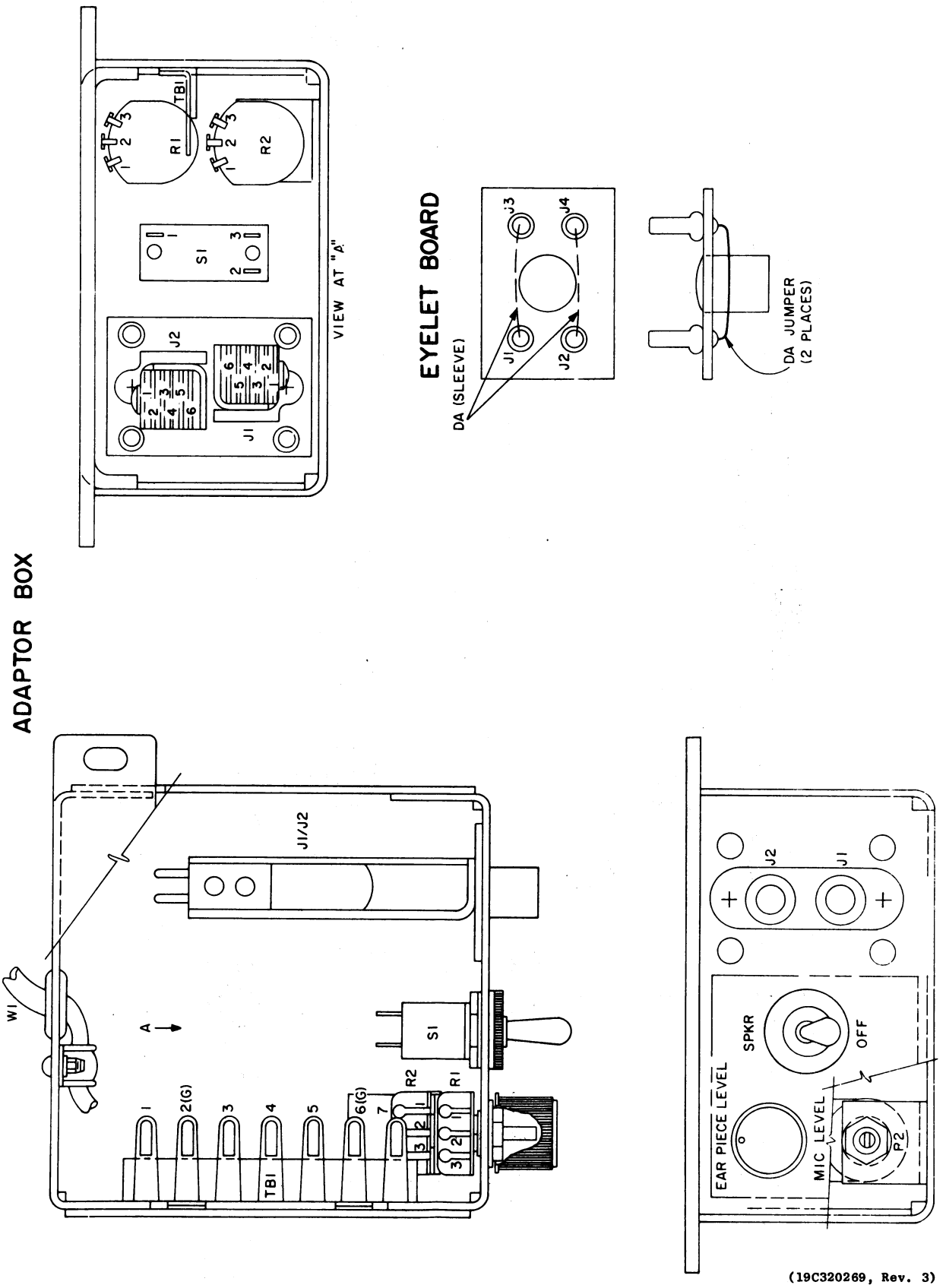

Figure 1 - Outline Diagram

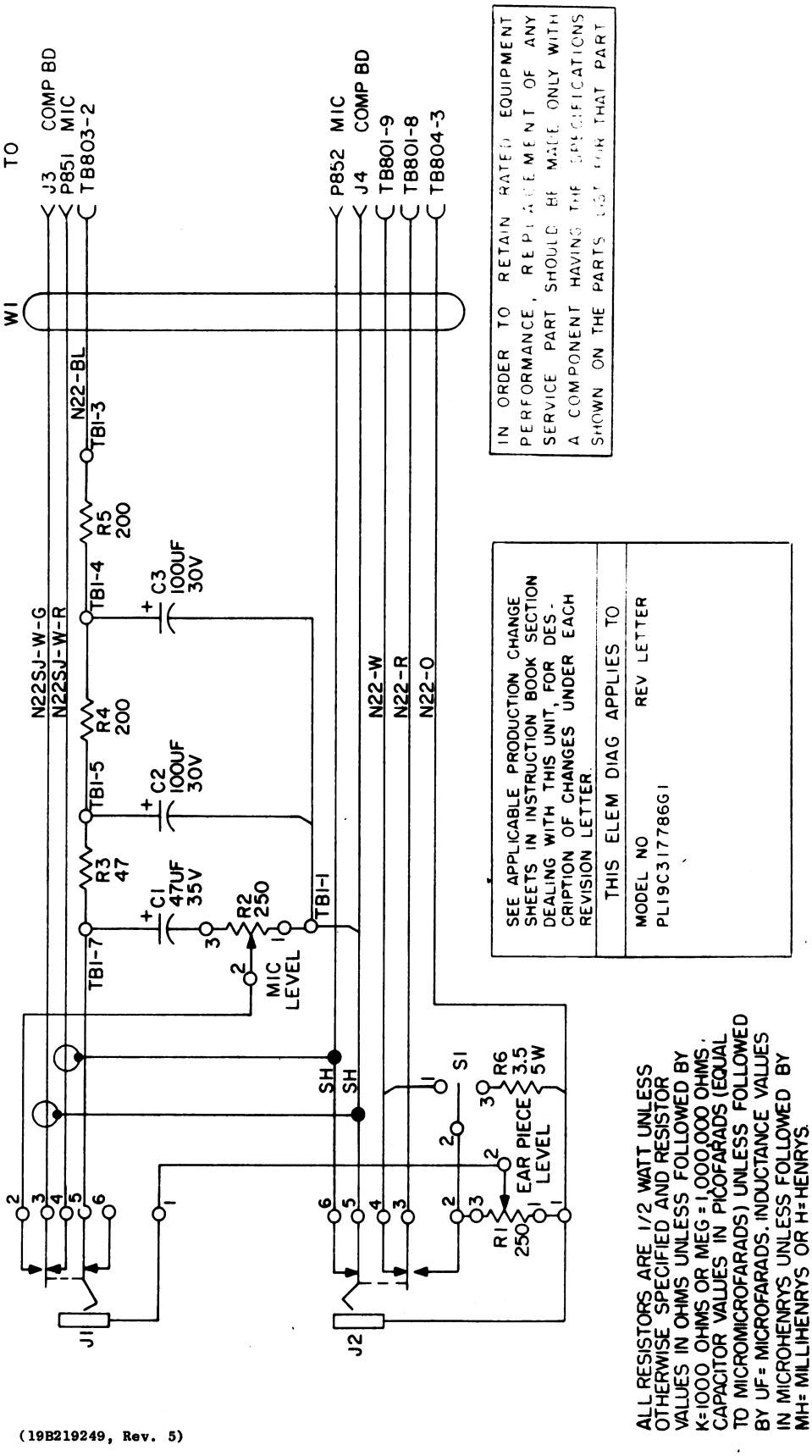

Figure 2 - Schematic Diagram

HEADSET ADAPTER KIT
19A129002G1

SYMBOL	GE PART NO.	DESCRIPTION
		ADAPTER BOX 19C317786G1
		- - - - - - - - - - CAPACITORS - - - - - - - - - -
C1	5496267P20	Tantalum: 47 µf ±20%, 35 VDCW; sim to Sprague Type 150D.
C2 and C3	19A115680P12	Electrolytic: 100 µf +150% -10%, 30 VDCW; sim to Mallory Type TT.
		- - - - - - - - JACKS AND RECEPTACLES - - - - - -
J1 and J2	5493473P11	Jack, panel: 3 conductors; sim to Switchcraft MT-335.
		- - - - - - - - - - RESISTORS - - - - - - - - -
R1	5491537P14	Variable, carbon film: 250 ohms ±20%, 0.3 w; sim to CTS Series 70.
R2	5494774P101	Variable, carbon film: 250 ohms ±20%, 0.3 w; sim to CTS Series 70 Control.
R3	3R77P470J	Composition: 47 ohms ±5%, 1/2 w.
R4 and R5	3R77P201J	Composition: 200 ohms ±5%, 1/2 w.
R6	5493035P10	Wirewound: 3.5 ohms ±5%, 5 w; sim to Hamilton Hall Type HR.
		- - - - - - - - - - SWITCHES - - - - - - - - -
S1	5491899P1	Toggle: SPST, 3 amps at 125 VAC/VDC; sim to Cutler-Hammer 8282K13.
		- - - - - - - - TERMINAL BOARDS - - - - - - - -
TB1	7775500P23	Phen: 7 terminals.
		- - - - - - - - - - - CABLES - - - - - - - - - -
W1	19C317809G1	Cable, RF: approx 9 feet long. Includes:
	4029840P2	Contact, electrical: sim to Amp 42827-2.
		- - - - - - - - - MISCELLANEOUS - - - - - - - -
	19A128187G1	Cover. (Adapter box).
	19A129003G1	Eyelet Board.
	7142162P56	Spacer, sleeve.

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES.

DF-8385

MOBILE RADIO DEPARTMENT
GENERAL ELECTRIC COMPANY
LYNCHBURG, VIRGINIA 24502

Printed in U.S.A.