

PRODUCTION CHANGE SHEET
FOR
POWER SUPPLY MODEL 4EP14B2
PL-19C300200-G1(PS) - REV. H
PL-5494787-G5 (HEAT SINK)

The changes listed below are identified by the REV. letter appearing after the unit model number.

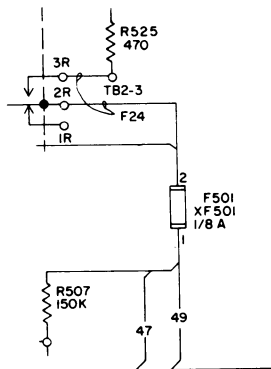
REV. A (PL-19C300200-G1)

To improve the Receiver B-plus regulation under duplex condition.

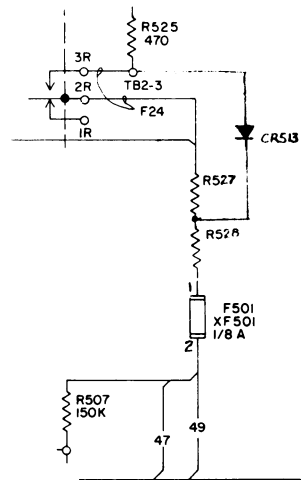
<u>Part Changed</u>	<u>Was</u>	<u>Changed To</u>
CR513	Added.	Silicon: Half-wave rectifier, hermetically sealed in metal container (glass insulated). Sim. to G-E 1N1695. Sim. to Westinghouse Electric 1N1169. G-E Part No. 5490415-P2.
R527	Added.	Wirewound; 750 ohms $\pm 10\%$, 5 w. Sim to G-E Part No. 7487415-P129.
R528	Added.	Composition, 10 ohms $\pm 10\%$, 1/2 w sim to G-E Part No. 3R77-P100K.

NOTE: Power Supplied incorporating this change must be used with Receivers Model 4ER25E10, F10 REV. A or later.

WIRING DIAGRAM CHANGES:



ORIGINAL CIRCUIT



REV. A. CIRCUIT

REV. B (PL-19C300200-G1)

To provide fusing for the Secode Supervisory Signaling Unit.

CHANGES - Wiring:

Fuse holder XF503 was connected between in-line connector J521 and J518-5.

Parts List:

<u>Symbol</u>	<u>Description</u>
F503 (Added)	Fuse: 1/4 x 1-1/4 (3AG) slow blowing, 1/2 amp at 250 V; sim to Bussman MDC-1/2. G-E Part No. 7487942-P3.
XF503 (Added)	Fuse holder: bayonet, for 1/4 x 1-1/4 in. fuse, requires spring; sim to Bussman HDJ-B. G-E Part No. 7124109-P3.

REV. C (PL-19C300200-G1)

To increase reliability.

CHANGES - Fuse F503 was changed from 1/2 amp (G-E Part No. 7487942-P3) to 1.6 amp (G-E Part No. 7487942-P26).

REV. D (PL-19C300200-G1)

To permit operation with Multi-Frequency Panel filaments energized in standby condition.

CHANGES - Wiring:

Added wire from J506-I2 to TB2-1. Added note 6 to read:
"For operation with Multi-Frequency Panel filaments energized when Power Switch is turned to the standby position, reverse leads to J506-H3 and J506-I2."

REV. E (PL-19C300200-G1)

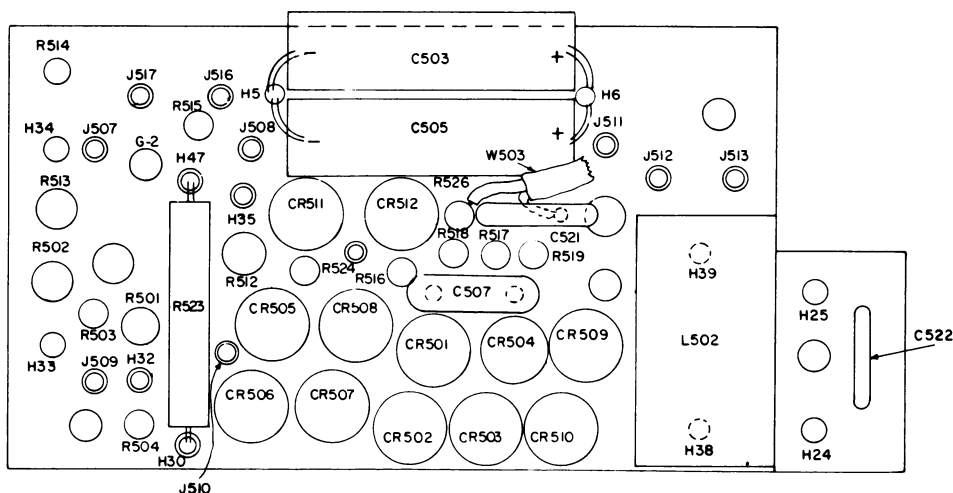
To improve mechanical design by replacing diodes CR501 through CR510 with smaller components and changing the component layout.

CHANGES - Parts List:

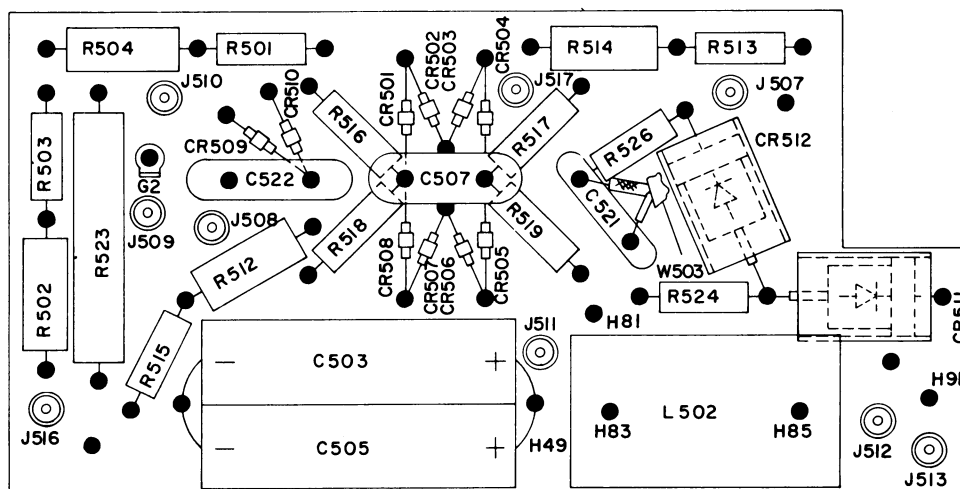
<u>Symbol</u>	<u>Was</u>	<u>Changed To</u>
CR501 thru CR510	Rectifier, silicon; sim to G-E Part No. 5490415-P2.	Rectifier, silicon; sim to G-E Part No. 4037822-P1.

REV. E (Cont'd)

Mechanical: Redesign of component board PL-19C300356-G1



ORIGINAL COMPONENT BOARD



REVISION E COMPONENT BOARD

REV. F (PL-19C300200-G1)

To provide more current carrying capacity in the 12 volt line during transmit periods.

CHANGES - A 120 uh choke, L506 (G-E Part No. 7143944-P1), was connected in parallel with L502.

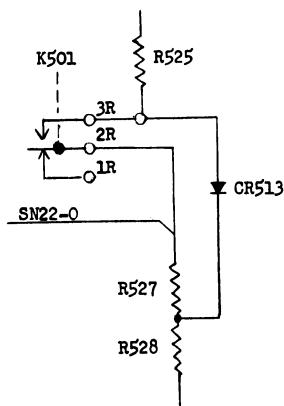
REV. G (PL-19C300200-G1)

1. To reduce the number of components on the Component Board.
2. To provide arc suppression across K501.
3. Redesign keying relay circuit to provide simple modification for change to simplex operation.

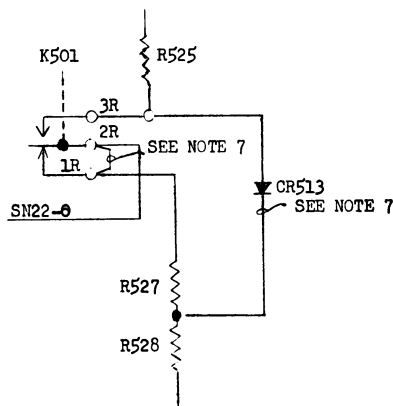
- CHANGES - 1. L506 (added by REV. F) was removed L502 was changed from a 120 uh choke to a 30 uh choke.
2. A diode, CR514, was connected from K501-S to K501-F to reduce the possibility of arcing in the keying contacts of the Push-to-talk relay (K50) in the Supervisory Signaling Unit.
3. Receiver B+ connections to K501 changed (see Wiring Diagram Changes).

Parts List:

<u>Symbol</u>	<u>Was</u>	<u>Changed To</u>
CR514	Added.	Diode, silicon; sim to G-E Part No. 4036936-P1.
L502	Choke, RF; 120 uh $\pm 10\%$, .064 ohms max DC res. sim to G-E Part No. 7143944-P2.	Choke, RF; 30 uh $\pm 10\%$, .030 ohms max DC res. sim to G-E Part No. 19A115030-P2.
L506	Choke, RF; 120 uh $\pm 10\%$, .064 ohms max DC res. sim to G-E Part No. 7143944-P1.	Deleted.

WIRING DIAGRAM CHANGES:

ORIGINAL CIRCUIT



NOTE 7. FOR SIMPLEX OPERATION CLIP OUT CR513 AND JUMPER BETWEEN K501-1R AND 2R.

REVISION G CIRCUIT

REV. H (PL-19C300200-G1)

To facilitate switch standardization.

CHANGES - S501 From: Switch, push-button, momentary contact;
sim to Grayhill 3 0-1. G-E Part No.
7481654-P6.

To: Switch, push-button, momentary contact;
SPDT; 1/4 amp @ 120 VAC; sim to Switch-
craft 953. G-E Part No. 5490868-P1.

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