

PRODUCTION CHANGE SHEET
TONE RECEIVER
PL-7489113-G7 AND G8, REV. B

The changes listed below are identified by the letter appearing above the PL number on the chassis.

REV. A

Changes were made as shown below to provide more consistent pick-up time and to reduce the pick-up time from 1 second or less to 400 milliseconds or less.

PARTS CHANGES:

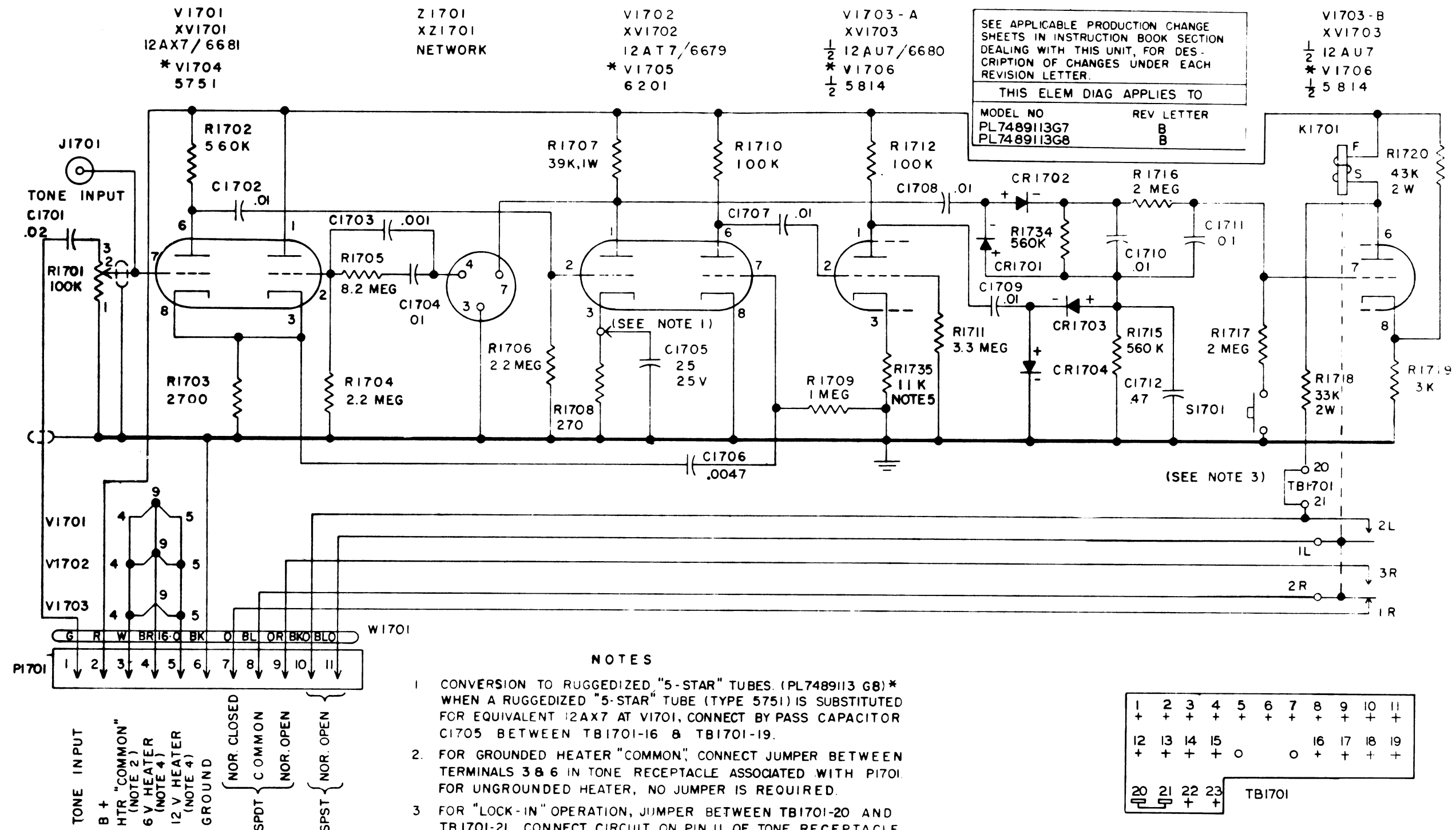
<u>Symbol</u>	<u>Was</u>	<u>Changed To</u>
C1702	Ceramic, high K disk, 0.01 mfd +100% -0%, 500 VDCW. G-E Part No. 7774750-P13	Fixed paper (molded plastic case), 0.01 mfd $\pm 20\%$, 400 VDCW; sim to Sprague Electric 109P10304. G-E Part No. 7491096-P27
C1703	Ceramic, high K disk, 0.001 mfd $\pm 100\%$ -0%, 500 VDCW. G-E Part No. 7774750-P4	Fixed paper (molded plastic case), 0.001 mfd $\pm 20\%$, 400 VDCW; sim to Sprague Electric 109P10204. G-E Part No. 7491096-P21.
C1704	Same as C1702	Same as C1702
C1706	Ceramic, high K disk, 0.005 mfd +100% -0%, 500 VDCW. G-E Part No. 7774750-P11	Fixed paper (molded plastic case), 0.0047 mfd $\pm 20\%$, 400 VDCW; sim to Sprague Electric 109P47204. G-E Part No. 7491096-P25.
C1707	Same as C1702	Same as C1702
C1708	Same as C1702	Same as C1702
C1709	Same as C1702	Same as C1702
C1710	Same as C1702	Same as C1702

REV. B

PARTS CHANGES:

<u>Symbol</u>	<u>Was</u>	<u>Changed To</u>
R1714	Resistor, composition; 1.0 megohm $\pm 10\%$, 1/2 w.	Deleted.
R1728	Resistor, composition; 13,000 ohms $\pm 5\%$, 1/2 w.	Deleted.
R1734	Added in place of R1714.	Resistor, composition; 0.56 megohm $\pm 5\%$, 1/2 w.
R1735	Added in place of R1728	Resistor, composition; 11,000 ohms $\pm 5\%$, 1/2 w.

COMMUNICATION PRODUCTS DEPARTMENT
GENERAL ELECTRIC COMPANY
LYNCHBURG, VIRGINIA



Elementary Diagram

TONE RECEIVER
PL-7489113-G7, -G8; REV. B

(C-5494455, Rev. 4)

PARTS LIST
TONE RECEIVER
PL-7489113-G7 and G8
REV. B

SYMBOL	DESCRIPTION	G-E DRAWING & PART NO.
CAPACITORS		
C1701	Ceramic, insulated, miniature high K disk; 0.02 mfd +60% -40% at 25°C, 250 v d-c w.	B-7487478-P3
C1702#	Fixed paper (molded plastic case), 0.01 mfd ±20%, 400 VDCW, Sprague Electric Co. Cat. No. 109P10304. (Changed by Rev. A)	B-7491096-P27
C1703#	Fixed paper (molded plastic case), 0.001 mfd ±20%, 400 VDCW, Sprague Electric Co. Cat. No. 109P10204. (Changed by Rev. A)	B-7491096-P21
C1704#	Fixed paper (molded plastic case), 0.01 mfd ±20%, 400 VDCW, Sprague Electric Co. Cat. No. 109P10304. (Changed by Rev. A)	B-7491096-P27
C1705	Electrolytic, tubular; 25 mfd +250% -10%, 25 v d-c w. Used in group 8 only.	C-7774786-P2
C1706#	Fixed paper (molded plastic case), 0.0047 mfd ±20%, 400 VDCW, Sprague Electric Co. Cat. No. 109P47204. (Changed by Rev. A)	B-7491096-P25
C1707# thru C1710#	Fixed paper (molded plastic case), 0.01 mfd ±20%, 400 VDCW, Sprague Electric Co. Cat. No. 109P10304. (Changed by Rev. A)	B-7491096-P27
C1711	Paper, molded plastic; 0.10 mfd ± 20%, 200 v d-c w. Sprague Cat. #109P10402.	B-7491096-P13
C1712	Paper, molded plastic; 0.47 mfd ± 20%, 200 v d-c w. Sprague Cat. #109P47402.	B-7491096-P17
RECTIFIERS		
CR1701 thru CR1704	Selenium diodes, forward current 0.5 ma at -4 v min. reverse current 0.020 ma at -40 v max, peak inverse 72 v, shunt cap 25 mmfd. IRC Type 9GA22B.	B-7488762-P2
JACK		
J1701	Test point jack, stake in molded nylon. Alden Products Co. Type 110BC1-green.	A-7150763-P4
RELAY		
K1701	Pickup 3 ma dc or less, dropout 1 ma or more, resistance 15,000 ohms d-c ± 10%, 1 form A, 1 form C contact. Potter Brumfield Cat. #MH-2317.	C-7774180-P2
PLUG		
P1701	Included in W1701.	
RESISTORS		
R1701	Potentiometer, carbon film; 100,000 ohms ± 20%, mod log taper, 1/2 w. Chicago Telephone Supply Type 65.	B-7489110-P115
R1702	Composition, 0.56 megohm ± 5%, 1/2 w.	C-3R77-P564J
R1703	Composition, 2700 ohms ± 5%, 1/2 w.	C-3R77-P272J
R1704	Composition, 2.2 megohm ± 5%, 1/2 w.	C-3R77-P225J
R1705	Composition, 8.2 megohm ± 5%, 1/2 w.	C-3R77-P825J
R1706	Composition, 2.2 megohm ± 5%, 1/2 w.	C-3R77-P225J
R1707	Composition, 39,000 ohms ± 5%, 1 w.	C-3R78-P393J
R1708	Composition, 270 ohms ± 5%, 1/2 w.	C-3R77-P271J
R1709	Composition, 1.0 megohm ± 5%, 1/2 w.	C-3R77-P105J
R1710	Composition, 0.10 megohm ± 5%, 1/2 w.	C-3R77-P104J
R1711	Composition, 3.3 megohm ± 10%, 1/2 w.	C-3R77-P335K
R1712	Composition, 0.10 megohm ± 10%, 1/2 w.	C-3R77-P104K
R1714#	Composition, 1.0 megohm ±10%, 1/2 w. Deleted by Rev. B.	C-3R77-P105K
R1715	Composition, 0.56 megohm ± 10%, 1/2 w.	C-3R77-P564K
R1716 and R1717	Composition, 2.0 megohm ± 5%, 1/2 w.	C-3R77-P205J

SYMBOL	DESCRIPTION	G-E DRAWING & PART NO.
RESISTORS (CONTINUED)		
R1718	Composition, 33,000 ohms ± 5%, 2 w.	C-3R79-P333J
R1719	Composition, 3000 ohms ± 5%, 1/2 w.	C-3R77-P302J
R1720	Composition, 43,000 ohms ± 5%, 2 w.	C-3R79-P433J
R1728#	Composition, 13,000 ohms ±5%, 1/2 w. Deleted by Rev. B.	C-3R77-P133J
R1734#	Composition, 0.56 megohm ±5%, 1/2 w. Added by Rev. B.	C-3R77-P564J
R1735#	Composition, 11,000 ohms ±5%, 1/2 w. Added by Rev. B.	C-3R77-P113J
SWITCHES		
S1701	Push-button type, red button, sp NO.. 1/4 amp at 115 v a-c, non-inductive momentary contacts. Gryahill Cat. #23-1.	B-7481654-P5
TUBES		
V1701	Type 6681/12AX7. Group 7 only.	
V1702	Type 6679/12AT7. Group 7 only.	
V1703	Type 6680/12AU7. Group 7 only.	
V1704	Type 5751. Group 8 only.	
V1705	Type 6201. Group 8 only.	
V1706	Type 5814. Group 8 only.	
CABLE		
W1701	Cable assembly: includes molded connector with 11 male contact, connector color blue. Components Mfg. Service Cat. #1601-M11.	A-7146129-P1
SOCKETS		
XV1701 thru XV1703	Tube sockets: mica filled phenolic 9 pin miniature, 4 ground lugs.	M-7480532-P8
XZ1701	Network socket: octal mica filled phenolic. Amphenol Cat. #78-S8TW-051-1.	A-7146186-P2
NETWORK		
Z1701	Selective network scaled into plug-in can. Drawing number group determines frequency. When reordering give G-E Dwg. No., Group No., and frequency, exactly as stamped on can.)	PLM-7484507