

INSTRUCTIONS FOR

EXTERNAL METERING KITS

OPTIONS 9558, 9559, 9571, 9572, 9590-9593, 9603, 9604, 9726 & 9727

(FOR MASTR® II Stations)

TABLE OF CONTENTS				
	Page			
DESCRIPTION	1			
INSTALLATION INSTRUCTIONS HARNESS 19C320811G4	3 4 5 12			
OUTLINE DIAGRAMS METER PANEL 19C320762G1 & G2 PA COVER 19B227194G1	6 2			
METER PANEL 19C320762G1 & G2 SERVICE SHEET	7 8			
METERING KIT 19B226293G1-G4 SERVICE SHEET	9 10 11			
SERVICE SPEAKER 19C320728G3 SERVICE SHEET	13 14			

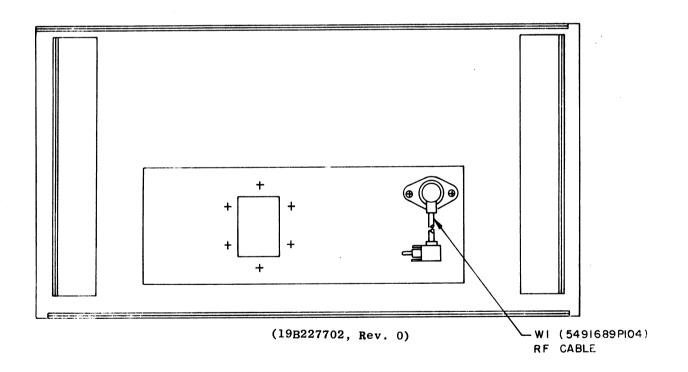
DESCRIPTION

Refer to the chart below for the description of the Panel Meter options with and without speaker for MASTR $^{\circ}$ II stations.

OPTION NO.	DESCRIPTION
9558	PANEL METERS (2), for low and medium power <u>continuous</u> duty stations with 5th digit R,T,Y,U or V. Adds transmitter and receiver tune-up meters to the external top front panel on a 69" cabinet, relocations the normally furnished internal speaker to the meter panel and provides built-in metering switches.
9559	PANEL METERS (3), similar to Option 9558 except a third meter is provided for monitoring 121 VAC line voltage.
9590	PANEL METERS (2), for low and medium power <u>intermittent duty</u> stations with 5th digit R or T, otherwise same as Option 9558.
9591	PANEL METERS (3), similar to Option 9590 except a third meter is provided for monitoring 121 VAC line voltage.
9571	PANEL METERS (2) AND SPEAKER, for low and medium power <u>continuous duty</u> stations with 5th digit E,K,J or N. Adds transmitter and receiver tune-up meters and a speaker to the external top front panel on a 69" cabinet and provides built-in metering switches.



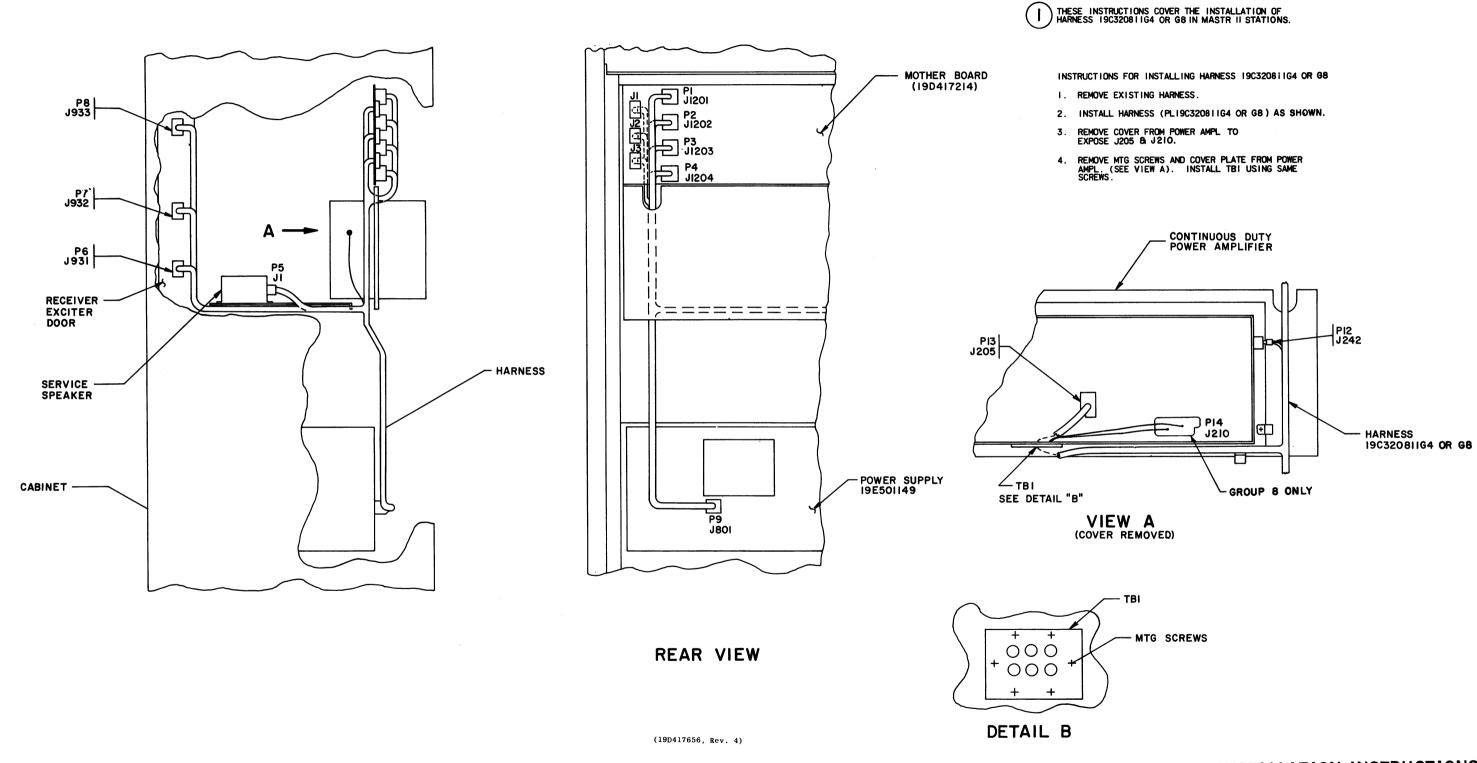
OPTION NO.	DESCRIPTION
9572	PANEL METERS (3) AND SPEAKER, similar to Option 9571 except a third meter is provided for monitoring 121 VAC line voltage.
9592	PANEL METERS (2) AND SPEAKER, for low and medium power <u>intermittent duty</u> stations with 5th digit K or J. Adds transmitter and receiver tune-up meters and a speaker to the external top front panel on a 69" cabinet and provides built-in metering switches.
9593	PANEL METERS (3) AND SPEAKER, similar to Option 9592 except a third meter is provided for monitoring 121 VAC line voltage.
9603	PANEL METERS (2), for 800 MHz floor mount stations. Adds transmitter and receiver tune-up meters to the external top front panel on a 69" cabinet and provides built-in metering switches.
9604	PANEL METERS (3), similar to Option 9603 except a third meter is provided for monitoring 121 VAC line voltage.
9726	PANEL METERS (2), similar to Option 9603 except used in 800 MHz 90-Watt Solid State Station.
9727	PANEL METERS (3), similar to Option 9604 except used in 800 MHz 90-Watt Solid State Station.



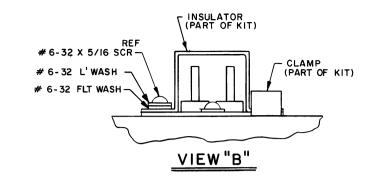
GENERAL ELECTRIC COMPANY • MOBILE COMMUNICATIONS DIVISION WORLD HEADQUARTERS • LYNCHBURG, VIRGINIA 24502 U.S.A.

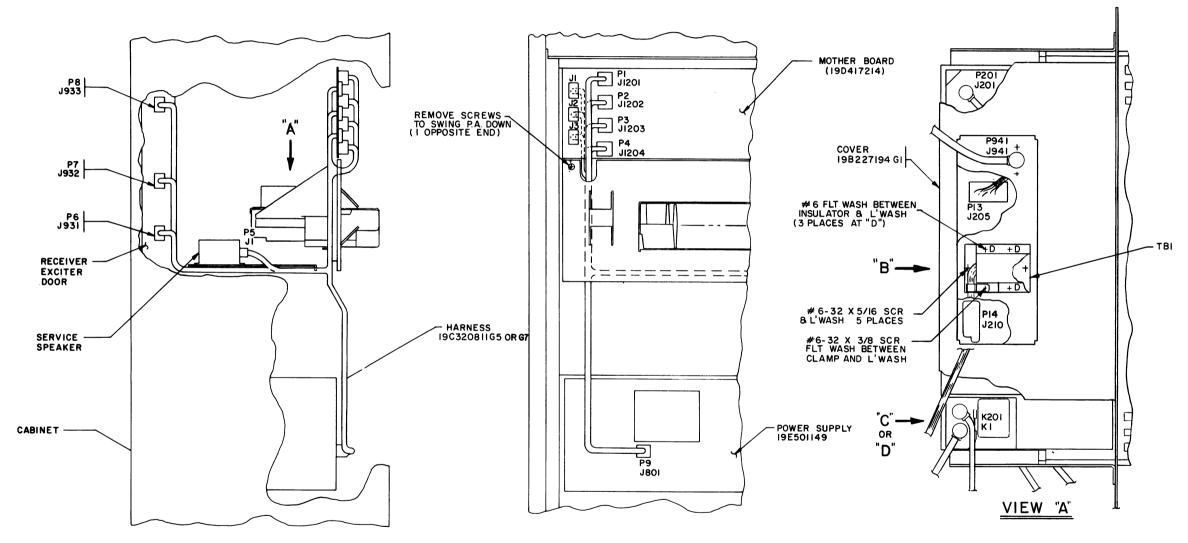


OUTLINE DIAGRAM
PA COVER 19B227194G1



HARNESS 19C320811G4





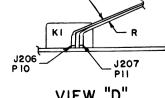
REAR VIEW

INSTALLATION INSTRUCTIONS

HARNESS 19C320811G5

Issue 2

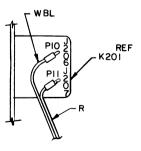
(19D423676, Rev. 3)



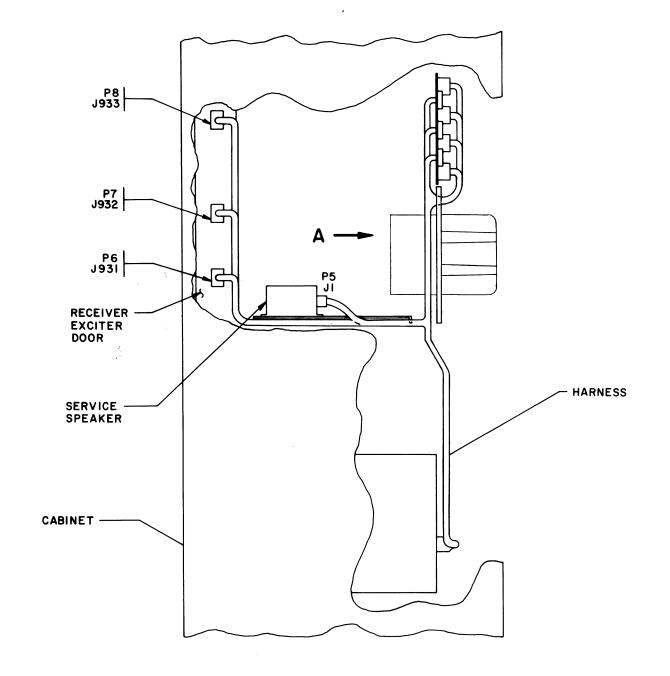
VIEW "D" (FOR GR. 7) ROTATED 90° CCW THESE INSTRUCTIONS COVER THE INSTALLATION OF THE 19C32081IG5 OR G7
METERING HARNESS, 19A130914G1 INSTALLATION KIT & THE 19B227194G1
PA COVER IN THE INTERMITTENT DUTY MASTR 11 STATION.

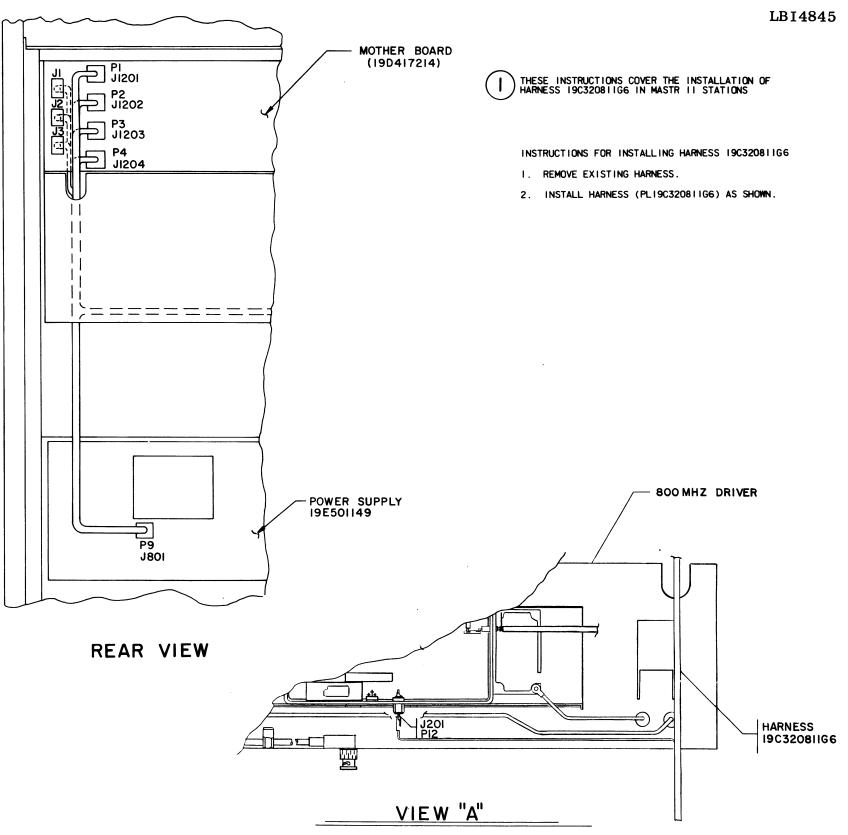
PROCEDURES:

- I. REMOVE 2 SCREWS AND SWING P.A. DOWN.
- 2. REMOVE EXISTING HARNESS.
- 3. REMOVE EXISTING P.A. COVER.
- 4. INSTALL 19C320811G5 OR G7 HARNESS, MOUNT TBI AND 19B227198 INSULATOR ON 19B227194G1 COVER AS SHOWN USING PARTS FROM INSTALLATION KIT.
- 5. PLUG PI3 INTO J205 AND P201 INTO J201, AND PI4 INTO J210.
- 6. INSTALL COVER ON P.A. AND PLUG P941 INTO J941.
- 7. PLUG PIO (WBL WIRE) ONTO J206 AND PII (R WIRE) ONTO J207.
- 8. HINGE P.A. UP AND RE-INSTALL 2 SCREWS TO SECURE IN POSITION.

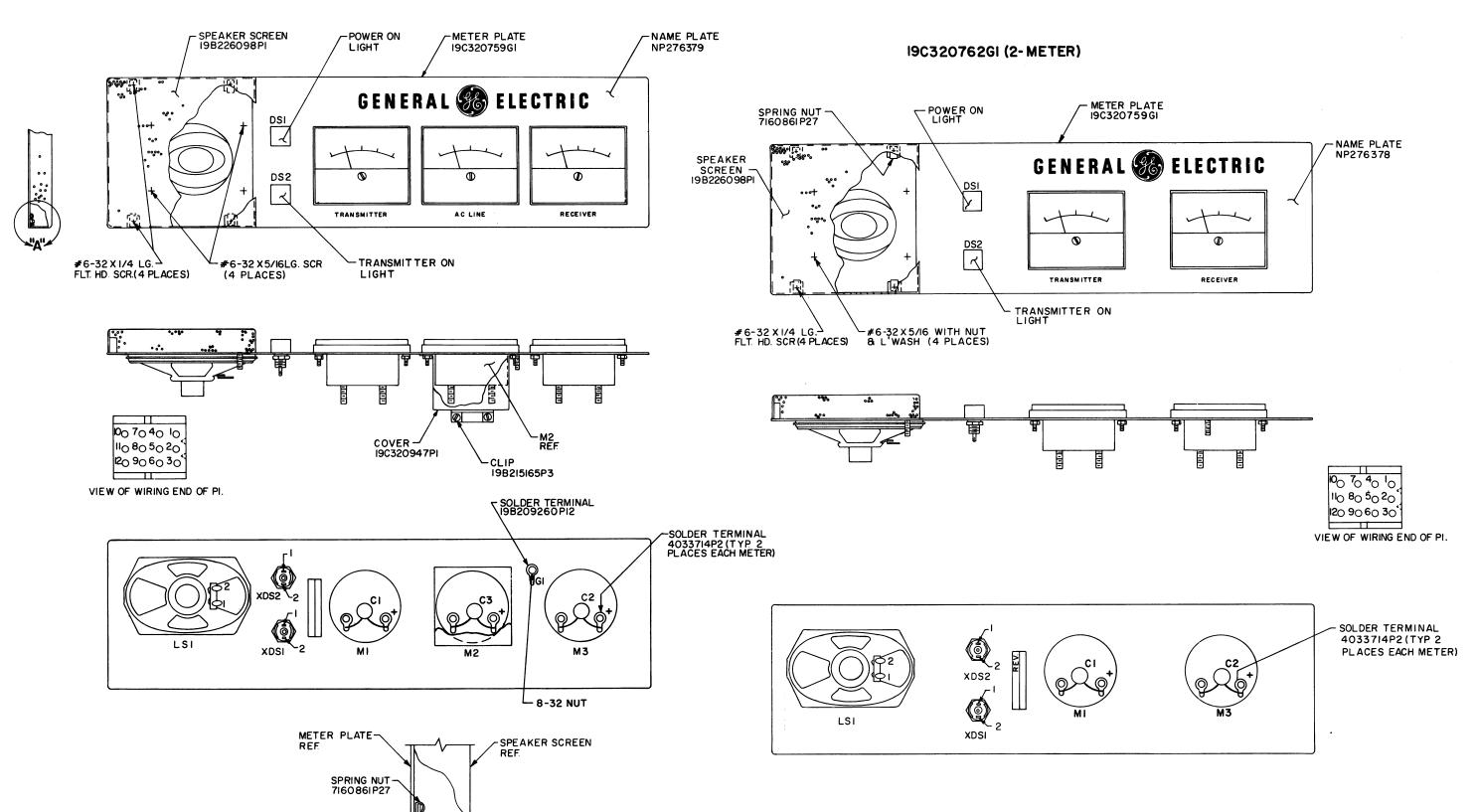


VIEW "C"





HARNESS 19C320811G6



OUTLINE DIAGRAM

METER PANEL 19C320762G1 & G2

Issue 2

TYP ASM OF SPRING NUT FOR INSTALLATION OF SPEAKER SCREEN.

DETAIL "A"

(19C321578, Sh. 1, Rev. 1)

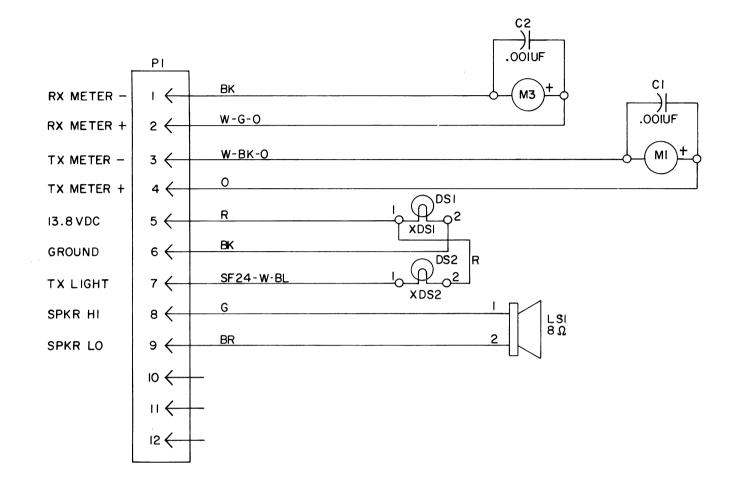
(19C321578, Sh. 2, Rev. 1)

PARTS LIST

LBI4847A

METERING KITS
19C320762G1 TRANSMIT/RECEIVE 2 METERS
19C320762G2 TRANSMIT/AC LINE 3 METERS

SYMBOL GE PART NO. DESCRIPTION 5494481P11 Ceramic disc: 1000 pf $\pm 20\%$, 1000 VDCW; sim to RMC Type JF Discap. thru C3 - - - - - - - INDICATING DEVICES - - - - -Lamp, incandescent: 14.00 v; sim to GE Lamp Dept. 382. 19C307037P35 and DS 2 G1 19B209260P12 Terminal, solderless: wire range No. 22-16; sim to AMP 41310. - - - - - - - LOUDSPEAKERS - - - - - -LS1 19C307094P3 Permanent magnet: 3 x 5 inch speaker, 8 ohms ±15% at 400 Hz, 1 volt; sim to Pioneer 204095. - - - - - - - - - METERS - - - - - - - -Meter, panel: -10/0/50 Microamps DC, Scales: (-20) -0-100 DC volts, (-0.5)-0-3 DC volts, (-2.5)-0-15 DC volts. 19A134035P1 Meter, panel: 100 ohms/VAC, mechanism, 0-150 AC volt; sim to GE 50-251344PZPZIJAD. 19A134035P2 Meter, panel: -10/0/50 Microamps DC, Scales: (-20) -0-100 DC volts, (-0.5)-0-3 DC volts, (-2.5)-0-15 DC volts. 19A134035P1 - - - - - - - - - PLUGS - - - - - - - - -Includes: 19B209288P24 Shell. Connector, receptacle: male contact; sim to Molex 1434. 19B209288P30 - - - - - - - - - CABLES - - - - - - - -19A134567P1 Power: 2 pole, 3 wire grounding, approx 6 feet Wl - - - - - - - - - SOCKETS - - - - - - - -XDS1 and XDS2 19B209509P1 Lampholder: sim to Dialco 183-9730-14-602. HARNESS ASSEMBLY 19C320762G3 ----- MISCELLANEOUS -----NP276379 Nameplate. (TRANSMIT/RECEIVE 2 METERS) Nameplate. (TRANSMIT/AC LINE 3 METERS) NP276378 19B226098P1 19C320947P1 Cover. (Used with M2). Lampholder: sim to Dialco 184-1871. (Used with DS2). 19B209509P2 Lampholder: sim to Dialco 184-1872. (Used with DS1). 19B209509P3 4033714P2 Solderless terminal. (Used on meter terminals). 19B215165P3 Clip. (Used with M2). 7160861P27 Nut, sheet spring. (Secures LS1).



SEE APPLICABLE PRODUCTION CHANGE
SHEETS IN INSTRUCTION BOOK SECTION
DEALING WITH THIS UNIT, FOR DESCRIPTION OF CHANGES UNDER EACH
REVISION LETTER.

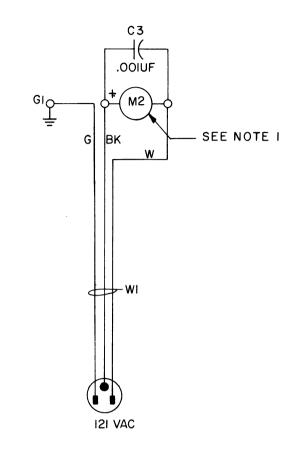
THIS ELEM DIAG APPLIES TO

MODEL NO REV LETTER
PL 19C320762GI
PL 19C320762G2

CAPACITOR VALUES IN PICOFARADS (EQUAL TO MICROMICROFARADS) UNLESS FOLLOWED BY UF = MICROFARADS, INDUCTANCE VALUES IN MICROHENRYS UNLESS FOLLOWED BY MH= MILLIHENRYS OR H= HENRYS.

IN ORDER TO RETAIN RATED EQUIPMENT PERFORMANCE, REPLACEMENT OF ANY SERVICE PART SHOULD BE MADE ONLY WITH A COMPONENT HAVING THE SPECIFICATIONS SHOWN ON THE PARTS LIST FOR THAT PART.

CONTINUOUS DUTY



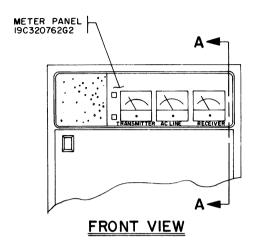
NOTES:

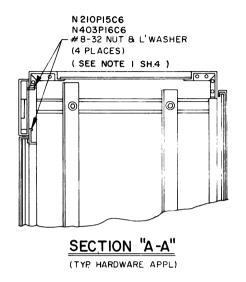
- I. M2 USED IN 19C32O762G2 ONLY.
- ALL WIRE SF22 UNLESS OTHER-WISE SPECIFIED.
- 3. TERMINATE ALL WIRES TO PI WITH 19B2O9288P3O

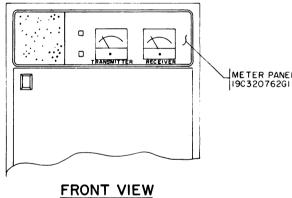
(19C320948, Rev. 4)

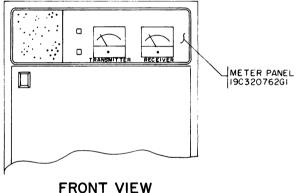
WIRING DIAGRAM & PARTS LISTS
METER PANEL 19C320762G1 & G2

LBI4845









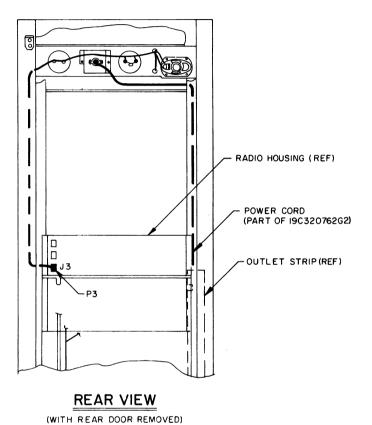
INSTALLATION DIAGRAM

(19D417483, Sh. 6, Rev. 4)

METER PANEL 19C320762G1 & G2

8

Issue 4



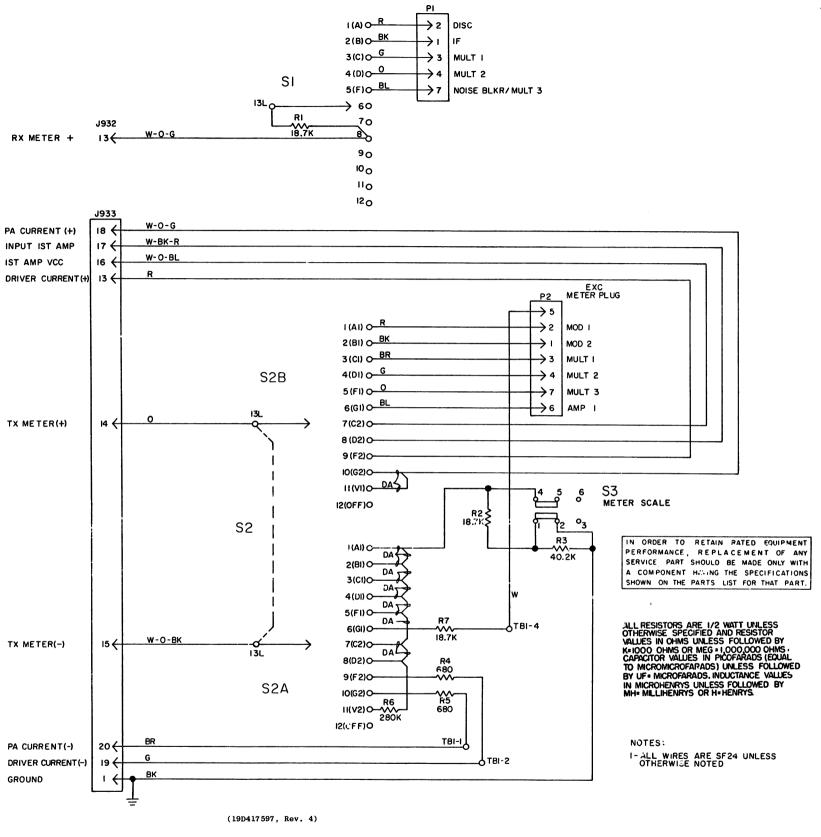
- INSTRUCTIONS:
 I. INSTALL METER PANEL IN FRAME AND FASTEN WITH HARDWARE AS SHOWN.
- 2. RUN HARNESS OVER TO AND DOWN BACK MOUNTING RAIL. SPOT TIE TO RAIL AS SHOWN INSERT PLUG (P3) OF HARNESS INTO JACK (J3) ON RADIO HOUSING.
- 3. WHEN APPLICABLE, RUN POWER CORD OVER TO AND DOWN BACK MOUNTING RAIL. SPOT TIE TO RAIL AS SHOWN. PLUG POWER PLUG INTO OUTLET STRIP RECEPTACLE.

PARTS LIST

LB14846B

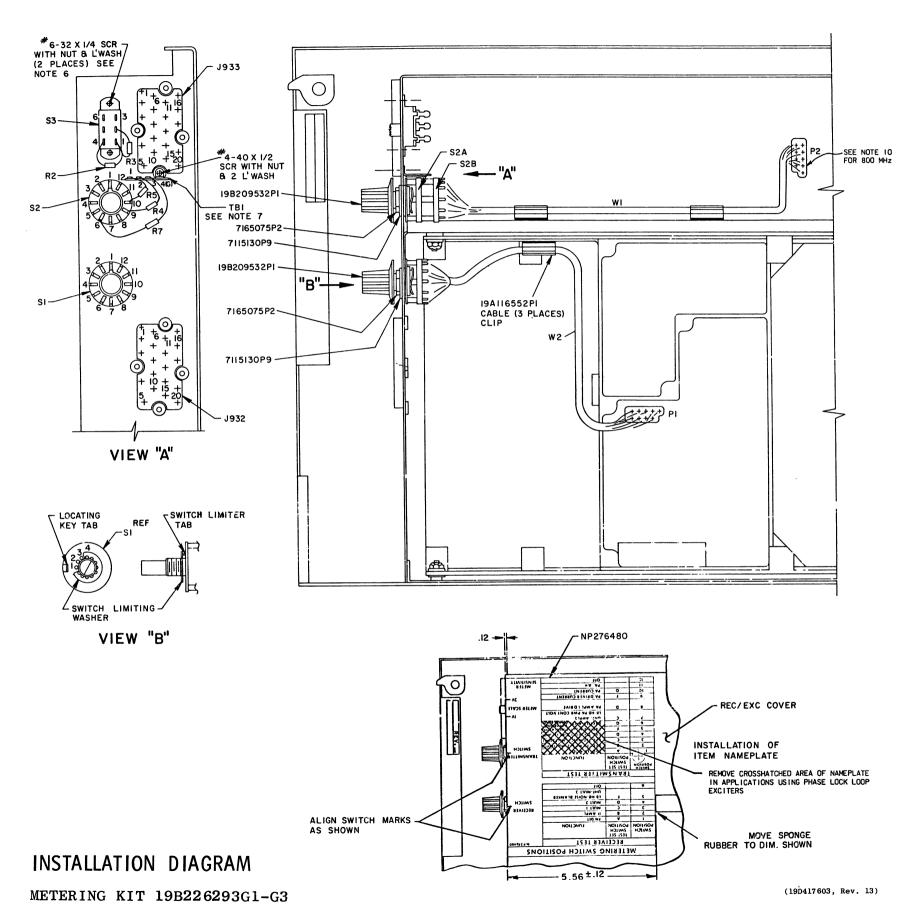
METERING KIT 19B226293G1-G4

SYMBOL	GE PART NO.	DESCRIPTION
P1 and P2	19B219534P1	Connector: 9 pin, male.
		RESISTORS
R1 and R2	19C314256P31872	Metal film: 18.7K ohms ±1%, 1/2 w.
R3	19C314256P34022	Metal film: 40.2K ohms ±1%, 1/2 w.
R4 and R5	19A700106P59	Composition: 680 ohms ±5%, 1/4 w.
R6	19C314256P22803	Metal film: 280K ohms ±1%, 1/4 w.
R7	19C314256P31872	Metal film: 18.7K ohms ±1%, 1/2 w.
		SWITCHES
S1	5495454P39	Rotary: 1 section, 1 pole, 2 to 12 position (adj stop), non-shorting contacts, 2 amps at 25 VDC or 1 amp at 110 VAC; sim to Oak Type A.
S 2	5495454P38	Rotary: 2 sections, 2 poles, 2 to 12 position (adj stop), non-shorting contacts, 2 amps at 25 VDC or 1 amp at 110 VAC; sim to Oak Type A.
S 3	19B209261P8	Slide: DPDT, 2 poles, 2 positions, .5 amp VDC or 3 amps VAC at 125 v; sim to Switchcraft 462061
		TEDMINAL BOADDS
	7407404P10	TERMINAL BOARDS
TB1	7487424P18	Miniature, phen: 3 terminals.
W1		HARNESS ASSEMBLY
"1		19B226293G2 (Includes Pl, Rl, Sl)
w2		HARNESS ASSEMBLY 19B226293G3 (Includes P2, R6, S2)
		MISCELLANEOUS
	7165075P2	Hex nut, brass: No. 3/8-32. (Used with \$1 & \$2)
	7115130P9	Lockwasher, internal tooth: No. 3/8; sim to Shakeproof 1220-2. (Used with Sl & S2).
	19B209532P1	Knob, screw on. (Used with S1 & S2).
	19A116552P1	Cable clip.
	7141225P3	Hex nut: No. 6-32.
	N4 04 P13C6	Lockwasher, internal tooth: No. 6.
	N404P11C6	Lockwasher, internal tooth: No. 4.
	7141225P2	Hex nut: No. 4-40.
	N80P9008C6	Machine screw: No. 4-40 x 1/2.
		1



WIRING DIAGRAM & PARTS LIST

METERING KIT 19B226293G1-G4



THESE INSTALLATION INSTRUCTIONS COVER THE APPLICATION OF THE METER SWITCHING KIT (PL198226293GI) TO THE REC/EXC DOOR

- REMOVE AND DISCARD PLUG BUTTONS AND PLATE NECESSARY FOR INSTALLATION OF SI, S2, S3. RETAIN #6-32 X 1/4 SCREWS FOR INSTALLING S3.
- BEFORE INSERTING SI INTO CHASSIS; WITH SMITCH IN ITS FULL COUNTERCLOCKWISE POSITION; INSERT TAB OF SWITCH LIMITING WASHER INTO THE FOURTH HOLE CLOCKWISE FROM THE LOCATING KEY TAB OF THE SWITCH; AS SHOWN IN DETAIL B.
- INSTALL SI WITH HARDWARE SUPPLIED. ORIENT AS SHOWN. ROUTE CABLE W2 AS INDICATED. PLUG PI INTO 1.F.A.S. BOARD IN AREA DESIGNATED IF BOARD IS PRESENT.
- ASSEMBLE DIALFACE TO KNOB. SEATING 4 GUIDES ON DIALFACE INTO OPENING AT LARGE END OF KNOB. PLACE KNOB ON SHAFT OF SI WITH SWITCH IN ITS FULL COUNTERCLOCKWISE POSITION. ALIGN POSITION NUMBER I ON KNOB DIALFACE WITH LOCATING KEY TAB. TIGHTEN KNOB SECURELY USING NUT IN OUTER END OF KNOB. INSERT KNOB BUTTON INTO END OF KNOB. UNTIL FLUSH W/END OF KNOB. SEE VIEW B.
- 5, INSTALL S3 WITH HARDWARE SUPPLIED. CRIENT AS SHOWN.
- 6. REMOVE AND DISCARD GUIDE PIN AT THIS LOCATION. THEN INSTALL TBI WITH #4-40 X 1/2 HARDWARE SUPPLIED. ORIENT AS SHOWN.
- INSTALL AND SOLDER R2 BETWEEN S3-4 AND S3-1 AS SHOWN. INSTALL AND SOLDER R3 BETWEEN S3-1 AND S3-2 AS SHOWN.
- 8. INSTALL AND SOLDER R5 TO S2A-10 AS SHOWN INSTALL AND SOLDER R4 TO S2A-9 AS SHOWN. INSTALL AND SOLDER R7 TO S2A-6 AS SHOWN.
- 9 CLIP TAB OFF OF LIMITING WASHER THEN, INSTAIL S2 WITH HARCWAPE SUPPLIED. ORIENT AS SHUWN.
 ROUTE CABLE WI AS INDICATED. PLUG P2 INTO EXICTER BOARD IF PRESENT. THEN, WITH SWITCH IN ITS
 FULL COUNTER CLOCKWISE POSITION, PLACE KNOB CN SHAFT. ALIGN POSITION NUMBER I ON KNOB DIALFACE
 WITH SWITCH LOCATING KEY TAB. TIGHTEN KNOB SECURELY. INSERT KNOB BUTTON. IN APPLICATIONS
 USE PHASE LOCK LOCP EXICTERS, CUT WITOFF AT TERMINALS OF S2 AND DISCARD.
- USE PHASE LOCK LCCP EXICTERS, CUT WIT OFF AT TERMINALS OF S2 AND DISCARD.

 10. CONNECT R5 TO TBI-I AND SOLDER, CONNECT R4 TO TBI-2 AND SOLDER, CONNECT R7 TO TBI-3 AND SOLDER. MAKE THE FOLLOWING CONNECTIONS FROM S1. CONNECT WOG WIRE TO J932-13.

 MAKE THE FOLLOWING CONNECTIONS FROM S2. CONNECT BK WIRE FROM J933-1 TO S3-2.

 CONNECT BK WIRE FROM J933-1 TO S3-2.

 CONNECT BWIRE FROM J033-19 TO T9I-2.

 CONNECT WOM WIRE TO J933-16.

 CONNECT WOM WIRE TO J933-16.

 CONNECT WOM WIRE TO J933-16.

 CONNECT WOM WIRE TO J933-17.

 CONNECT WOM WIRE TO HOEE-18.

 CONNECT WOM WIRE TO TBI-3.

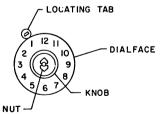
 CONNECT WOM WIRE TO TBI-3.

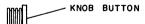
 CONNECT WOM WIRE TO TBI-3.

CONNECT DA WIRE FROM S2A-1 TO S3-4.

CONNECT R WIRE TO J933-13.

WHEN MOUNTING THE 800 MHZ EXICTER, THE CAN OR COVER DOES NOT HAVE A HOLE FOR P2; USE CLAMP 19A116552P1 TO SECURE P2 & WI CN TOP OF THE COVER.

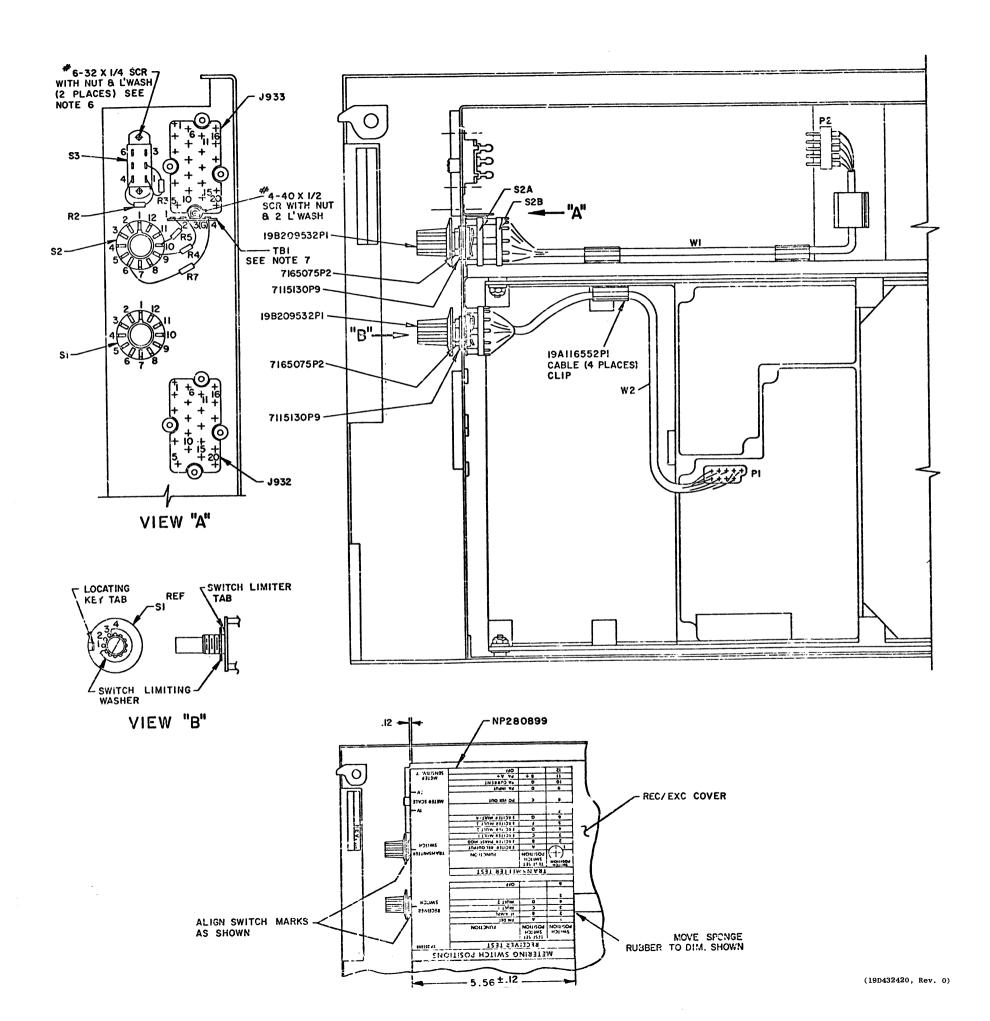




VIEW AT "B"

10

Issue 5

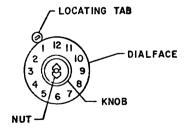


THESE INSTALLATION INSTRUCTIONS COVER THE APPLICATION OF THE METER SWITCHING KIT (PL19822629364) TO THE RECZEXC DOOR (PL190417262)

- REMOVE AND DISCARD PLUG BUTTONS AND PLATE NECESSARY FOR INSTALLATION OF SI, S2, S3. RETAIN #6-32 X 1/4 SCREWS FOR INSTALLING S3.
- 2. BEFORE INSERTING SI INTO CHASSIS; WITH SWITCH IN ITS FULL COUNTERCLOCKWISE POSITION. INSERT TAB OF SWITCH LIMITING WASHER INTO THE FOURTH HOLE CLOCKWISE FROM THE LOCATING KEY TAB OF THE SWITCH; AS SHOWN IN DETAIL B.
- INSTALL SI WITH HARDWARE SUPPLIED. ORIENT AS SHOWN. ROUTE CABLE W2 AS INDICATED. PLUG PI INTO 1.F.A.S. BOARD IN AREA DESIGNATED IF BOARD IS PRESENT.
- 4. ASSEMBLE DIALFACE TO KNOB. SEATING 4 CUIDES ON STALFACE INTO OPENING AT LARGE END OF KNOB. PLACE KNOB ON SHAFT OF SI WITH SWITCH IN ITS FULL COUNTERCLOCKWISE POSITION. ALIGN POSITION NUMBER I ON KNOB DIALFACE WITH LOCATING KEY TAB. TIGHTEN KNOB SECURELY USING NUT IN OUTER END OF KNOB. INSERT KNOB BUTTON INTO END OF KNOB. UNTIL FLUSH W/END OF KNOB. SEE VIEW B.
- 5. CLIP TAB OFF OF LIMITING WASHER THEN INSTALL SO WITH HARDWARE SUPPLIED. ORIENT AS SHUWN ROUTE CABLE WI AS INDICATED, & SECURE POR WITHOUT THE COVER OF THE CAN IN WHICH THE METERING JACK IS LOCATED USING ONE OF THE CABLE CLIPS SUPPLIED, WITH SWITCH IN ITS FULL COUNTER CLOCKWISE POSITION, PLACE KNOB ON SHAFT. ALIGN POSITION NUMBER I ON KNOB DIALFACE WITH SWITCH LOCATING KEY TAB. TIGHTEN KNOB SECURELY. INSERT KNOB BUTTON.
- 6. INSTALL S3 WITH ADDITIONAL HARDWARE SUPPLIED. ORIENT AS SHOWN.
- 7. INSTALL TB1 AT ONE END OF J933 AC SHOWN BY REMOVING & DISCARDING GUIDE PIN AT THIS LOCATION, THEN INSTALL TB1 WITH #4-40 X 1/2 HARDWAPL SUPPLIED. ORIENT AS SHOWN.
- INSTALL AND SOLDER R2 DETWEEN S3-4 AND S3-1 AS SHOWN. INSTALL AND SOLDER R3 BETWEEN S3-1 AND S3-2 AS SHOWN.
- 9. INSTALL AND SOLDER R5 BETWEEN TBI-1 AND S2A-10 AS SHOWN. INSTALL AND SOLDER R4 BETWEEN TBI-2 AND S2A-9 AS SHOWN. INSTALL AND SOLDER R7 BETWEEN TBI-4 AND S2A-6 AS SHOWN.

MAKE THE FOLLOWING CONNECTIONS FROM SI. CONNECT WOG WIRE TO J932-13.

MAKE THE FOLLOWING CONNECTIONS FROM \$2. CONNECT BK WIRE FROM J933-1 TO \$3-2 CONNECT BK WIRE FROM J933-19 TO TB1-2 CONNECT BR WIRE FROM J933-20 TO TB1-1 CONNECT WORK WIRE TO J933-15 CONNECT WORK WIRE TO J933-16 CONNECT WORK WIRE TO J933-17 CONNECT WORK WIRE TO J933-18 CONNECT WHIRE TO TB1-4 CONNECT W WIRE TO TB1-4 CONNECT W WIRE TO TB1-4 CONNECT W WIRE FROM \$24-1 TO \$3-4 CONNECT R WIRE FROM \$24-1 TO \$3-4 CONNECT R WIRE TO J933-13





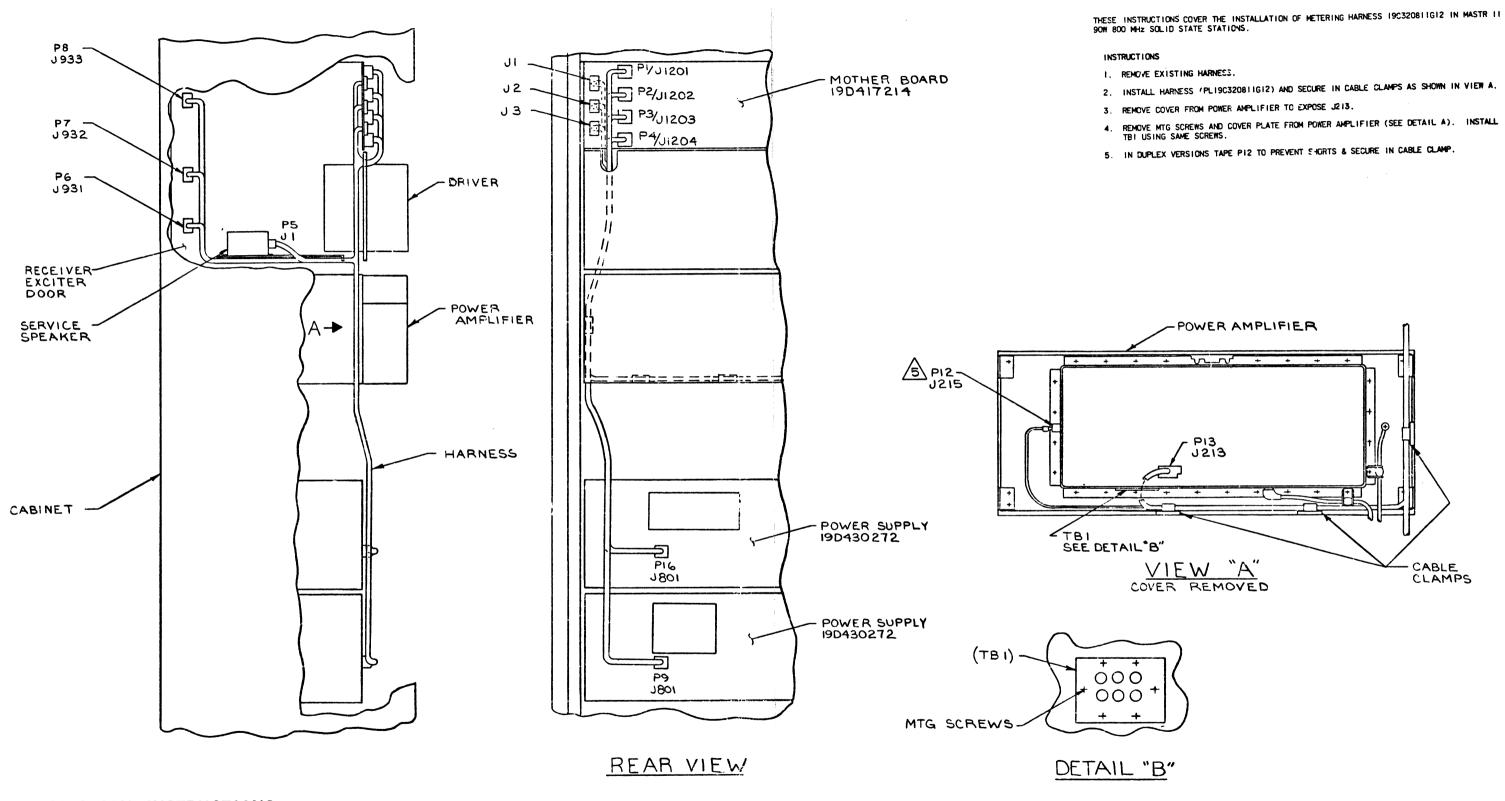
VIEW AT "B"

INSTALLATION INSTRUCTIONS

METERING KIT 19B226293G4

Issue 1

11



HARNESS 19C320811G12

(19D432367, Rev. 0)

PARTS LIST

LBI30262A

SERVICE SPEAKER 19C320728G3

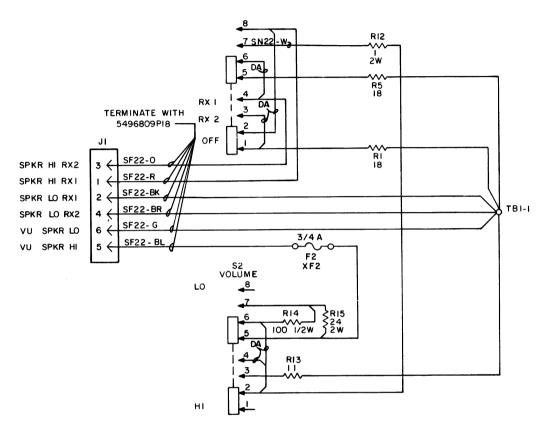
SYMBOL	GE PART NO.	DESCRIPTION
		FUSES
F2*	1R16P2	Quick blowing: 3/4 amp at 250 v; sim to Littel- fuse 312.750 or Bussmann AGC-3/4. Added by REV C.
		JACKS AND RECEPTACLES
J1		Connector. Includes:
	19B209288P22	Shell.
	5496809P18	Contact, male: sim to Molex Products 1380-T.
		RESISTORS
R1	5493035P53	Wirewound: 18 ohms ±5%, 5 w; sim to Hamilton Hall Type HR.
R3*	19B209490P1	Variable, wirewound: 35 ohms ±20%, 2.25 w; sim to CTS Type 118 With Metal Shaft. Deleted by REV C.
R4*	5493035P52	Wirewound: 8.2 ohms $\pm 10\%$, 5 w; sim to Hamilton Hall Type HR. Deleted by REV C.
R5	5493035P53	Wirewound: 18 ohms ±5%, 5 w; sim to Hamilton Hall Type HR.
R9*	19B209022P48	Wirewound: 24 ohms ±5%, 2 w; sim to IRC Type BWH. Added by REV C. Deleted by REV D.
R12*	19B209022P115	Wirewound: 1.0 ohms $\pm 10\%$, 2 w; sim to IRC Type BWH. Added by REV C.
R13*	5493035P62	Wirewound: 11 ohms ±5%, 5 w; sim to Hamilton Hall Type HR. Added by REV C.
R14*	3R77P101J	Composition: 100 ohms ±5%, 1/2 w. Added by REV C.
R15*	19B209022P48	Wirewound: 24 ohms $\pm 5\%$, 2 w; sim to IRC Type BWH. Added by REV D.
S1	19B209261P5	Slide: DPTT, 2 poles, 3 positions, 0.5 amp VDC, 3 amp VAC at 125 v; sim to Switchcraft 11D1033B.
S2*	19B209261P5	Slide: DPTT, 2 poles, 3 positions, 0.5 amp VDC, 3 amp VAC at 125 v; sim to Switchcraft 11D1033B. Added by REV C.
l I		
TB1*	7775500P44	Phen: 2 terminals. Added by REV C.
XF2*	7141008Pl	Fuseholder: 30 amps at 125 v; sim to Bussman 2863. Added by REV C.
		MISCELLANEOUS
	4031543P2	Knob. (Used with R3).
	7115130P9	Lockwasher, internal tooth: sim to Shakeproof 1220-2. (Used with R3).
	7165075P2	Hex nut, brass: thd. size No. 3/8-32. (Used with R3).
	N80P9004C6	Machine screw, phillips head: No. 4-40 x 1/4. (Secures S1, S2).
	4032480Pl	Nut, sheet spring: sim to Vector Electronic 440. (Secures S1, S2).
	N80P13005C6	Machine screw: No. 6-32 x 5/16. (Secures Service Speaker).
	7141225P3	Hex nut: No. 6-32. (Secures Service Speaker).
	N404P13C6	Lockwasher, internal tooth: No. 6. (Secures Service Speaker).
	1	
1	1	

PRODUCTION CHANGES

Changes in the equipment to improve performance or to simplify circuits are identified by a "Revision Letter," which is stamped after the model number of the unit. The revision stamped on the unit includes all previous revisions. Refer to the Parts List for descriptions of parts affected by these revisions.

SERVICE SPEAKER 19C320728G3

- REV. A To eliminate wiring errors caused by duplication of wire colors. Changed Wire Colors: J1-1 from Orange to Red, J1-2 from Brown to Black, J1-5 from Orange to Blue and J1-6 from Brown to Green.
- REV. B To provide load for receiver output. Added a "DA" wire from S1-3 to S1-1. Added R5 from S1-8 to R3-3.
- REV. C To prevent component damage due to excessive voltage. Deleted R3 & R4. Added R9, R12, R13, R14, F2, XF1, S2 and TB1.
- REV. D For Speaker protection. Changed R8 & R9. Changed value and location of F1.



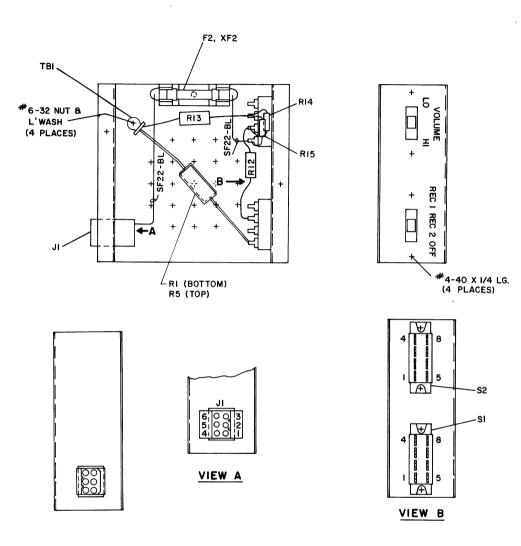
SEE APPLICABLE PRODUCTION CHANGE
SHEETS IN INSTRUCTION BOOK SECTION
DEALING WITH THIS UNIT, FOR DESCRIPTION OF CHANGES UNDER EACH
REVISION LETTER

THIS ELEM DIAG APPLIES TO

MODEL NO REV LETTER

PLI9C320728G3 D

ALL RESISTORS ARE 5 WATT UNLESS OTHERWISE SPECIFIED AND RESISTOR VALUES IN OHMS UNLESS FOLLOWED BY K=1000 OHMS OR MEG =1,000,000 OHMS CAPACITOR VALUES IN PICOFARADS (EQUAL TO MICROMICROFARADS) UNLESS FOLLOWED BY UF= MICROFARADS, INDUCTANCE VALUES IN MICROHENRYS UNLESS FOLLOWED BY MH= MILLIHENRYS OR H= HENRYS.



(19C328483, Rev. 1)

(19C320837, Rev. 6)

SERVICE SHEET

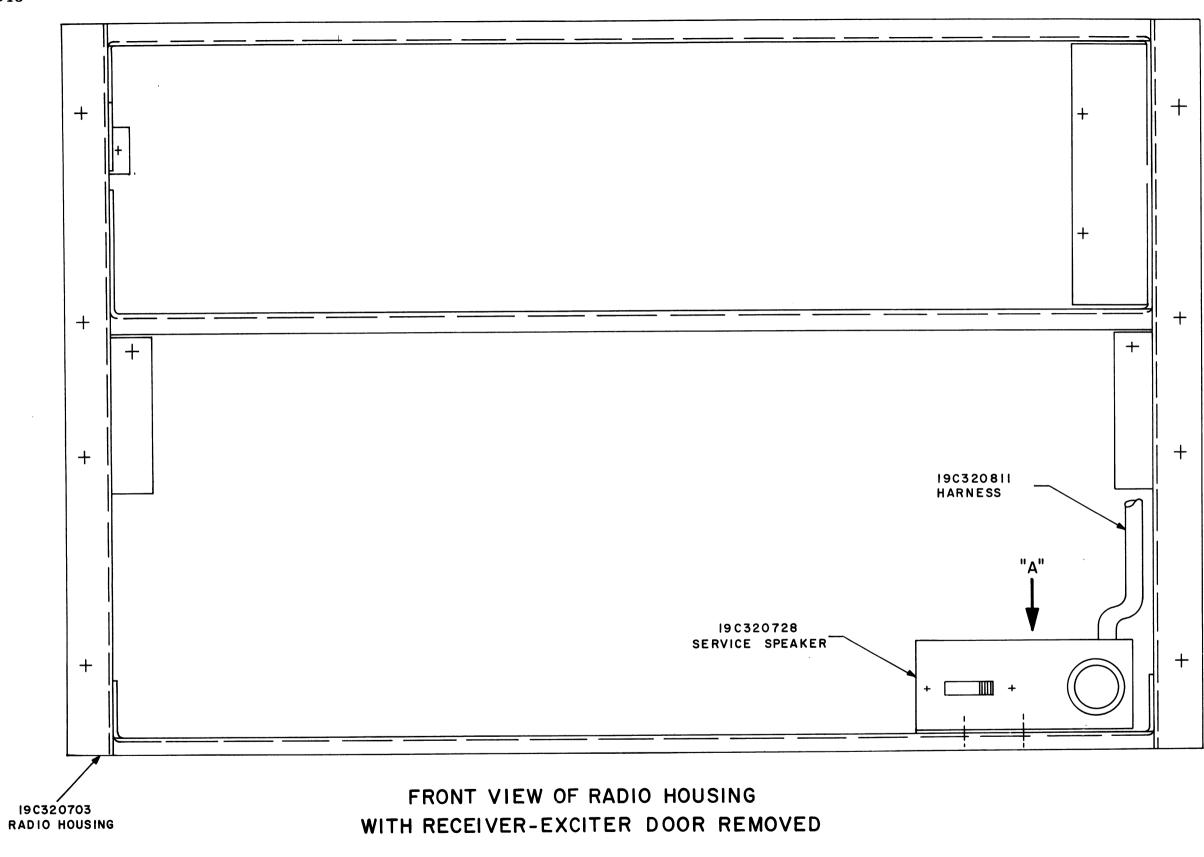
SERVICE SPEAKER 19C320728G3

Issue 2

13

and the second s

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES



SERVICE SPEAKER 19C320728G3

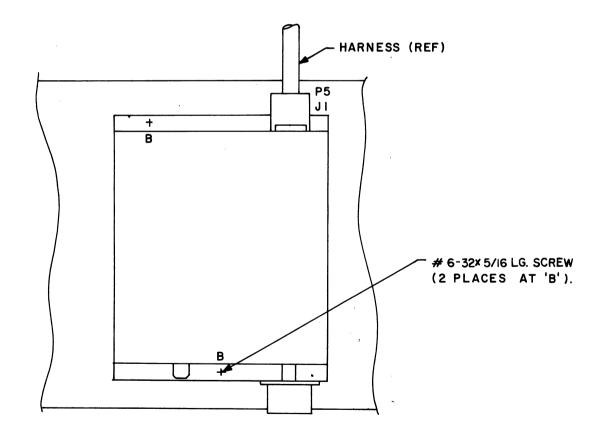
14 Issue 2

(19D417494, Rev. 3)

THESE INSTRUCTIONS COVER THE INSTALLATION OF THE 19C320728 SERVICE SPEAKER TO THE 19C320703 RADIO HOUSING.

INSTRUCTIONS:

- MOUNT 19C320728 (SERVICE SPEAKER) TO 19C320703 (RADIO HOUSING) AS SHOWN: USE ☆6-32 x 5/16 LG SCREW, L' WASHERS & NUTS SUPPLIED.
- 2. CONNECT P5 OF 19C320811 (HARNESS) WITH JI OF 19C320728 (SERVICE SPEAKER).



VIEW AT "A"