

INSTRUCTIONS
FOR
PE AND Potra•Mobile II™
CARRIER CONTROL TIMER KIT 19A136956G1 & G2
(OPTIONS 4487 & 2200)

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SPECIFICATIONS*

TIMING CYCLE	70 seconds \pm 10 seconds
INPUT VOLTAGE	7.5 VDC
CURRENT DRAIN	
Standby	less than 100 microamps
Timing	less than 5 milliamps
Timed-Out	less than 10 milliamps
AUDIO OUTPUT	950 Hz \pm 150 Hz

DESCRIPTION

Carrier Control Timer Kit 19A136956G1 for PE and 19A136956G2 for PM II will automatically interrupt the transmission of a PE or PM II transmitter by deactivating the system relay after a 70 second \pm 10 seconds timing cycle. The timer also alerts the operator that the transmitter is off with a 950 Hertz alarm tone from the speaker as

as long as the push-to-talk switch is pressed. Transmission can be resumed by releasing the push-to-talk switch and re-keying the transmitter.

The Carrier Control Timer mounts on the PE or PM II system board and can be used with all PE or PM II transmitters. The Installation and Interconnection Diagrams contain the necessary information to install a timer. See the Table of Contents.

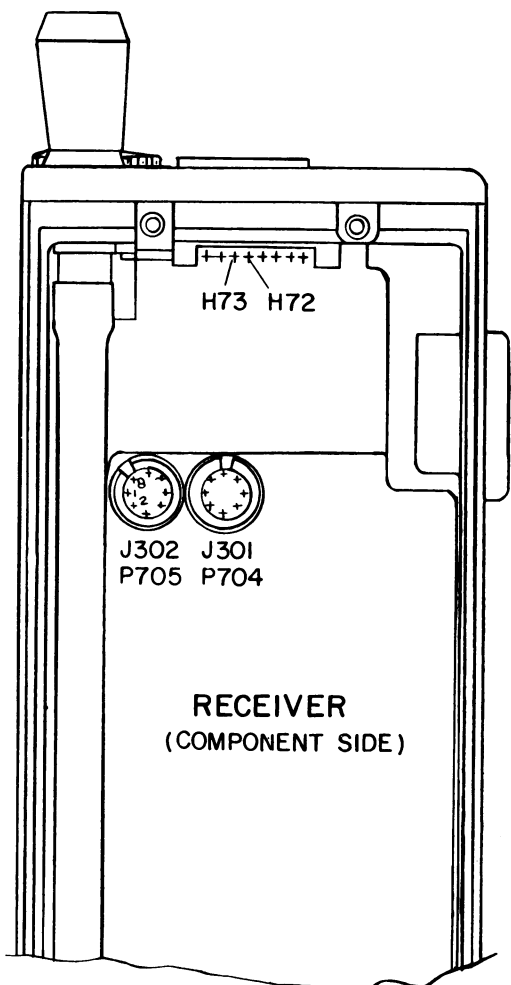
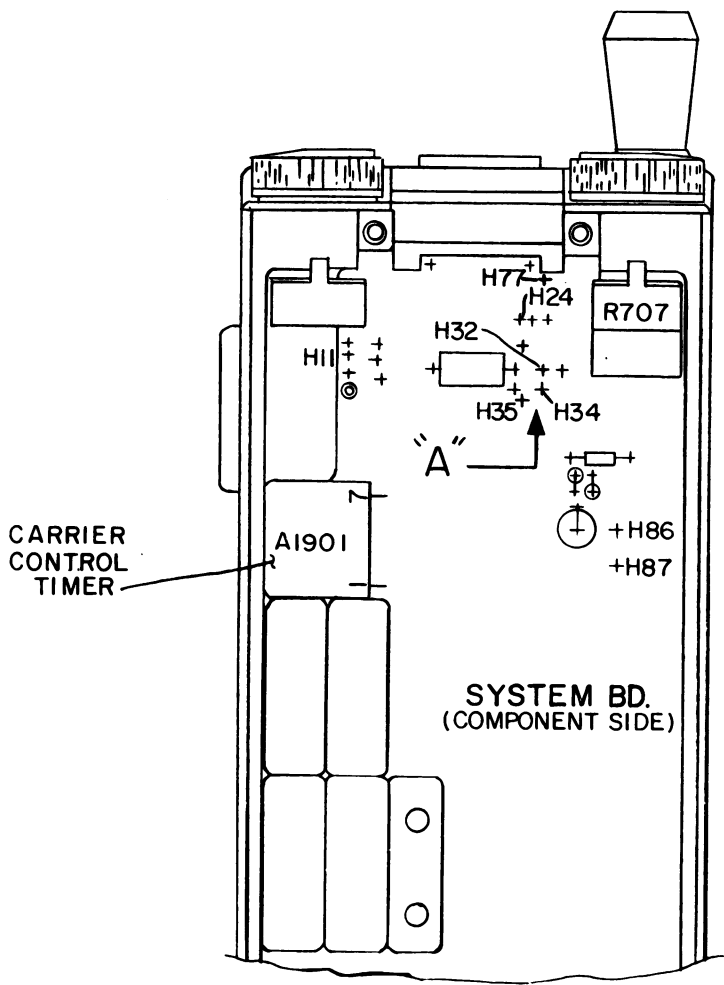
LBI-30416

PARTS LIST

LBI-30417
CARRIER CONTROL TIMER KIT
19A136956G1 PE
19A136956G2 PM II

SYMBOL	GE PART NO.	DESCRIPTION
A1901 and A1902		CARRIER CONTROL TIMER BOARD A1901 19B227846G1 PE A1902 19B227846G2 PM II
P1 thru P4	19A115834P4	----- PLUGS ----- Contact, electrical: sim to AMP 2-332070-9.
U1	19C327619G1	----- INTEGRATED CIRCUITS ----- Carrier Control Timer, Thick Film Hybrid.

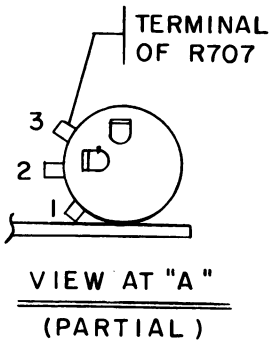
*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES.



CONNECTION CHART CARRIER CONTROL TIMER			
FROM	TO	WIRE	REMARK
H86	H87	PW	CUT
A1901-2	R707-3	T28-G	WITHOUT T99
A1901-6	H32	T28-R	
A1901-3	H86	T28-W-V	
A1901-4	H87	T28-V	
A1901-5	H24	T28-O	
A1901-2	H77	T28-G	WITH T99

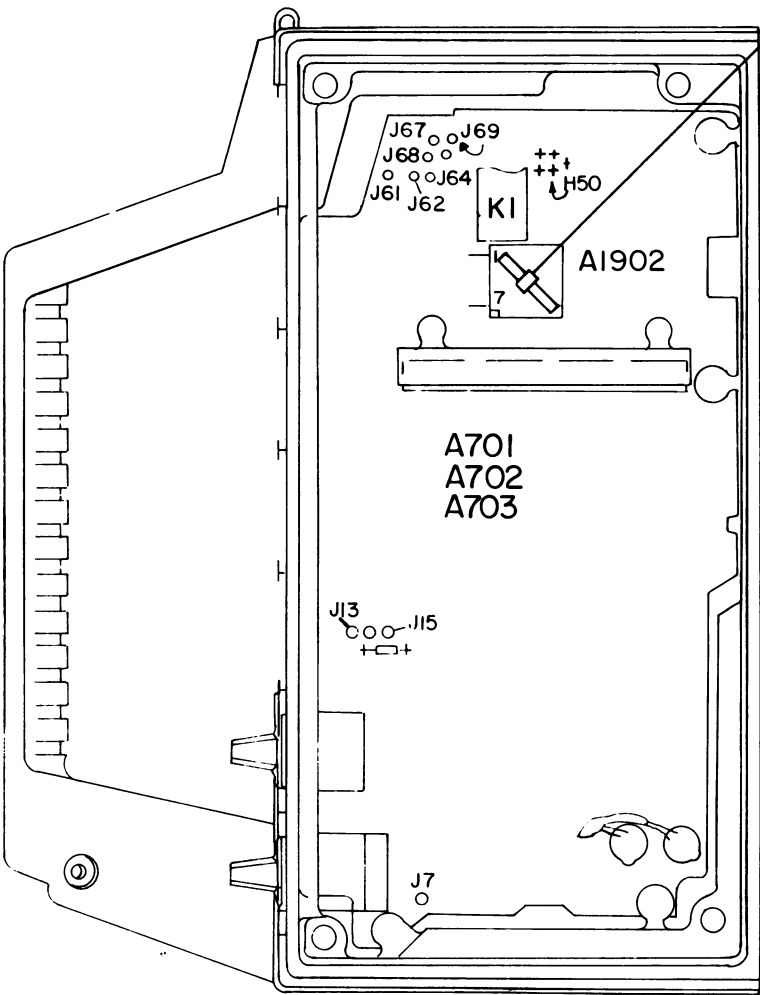
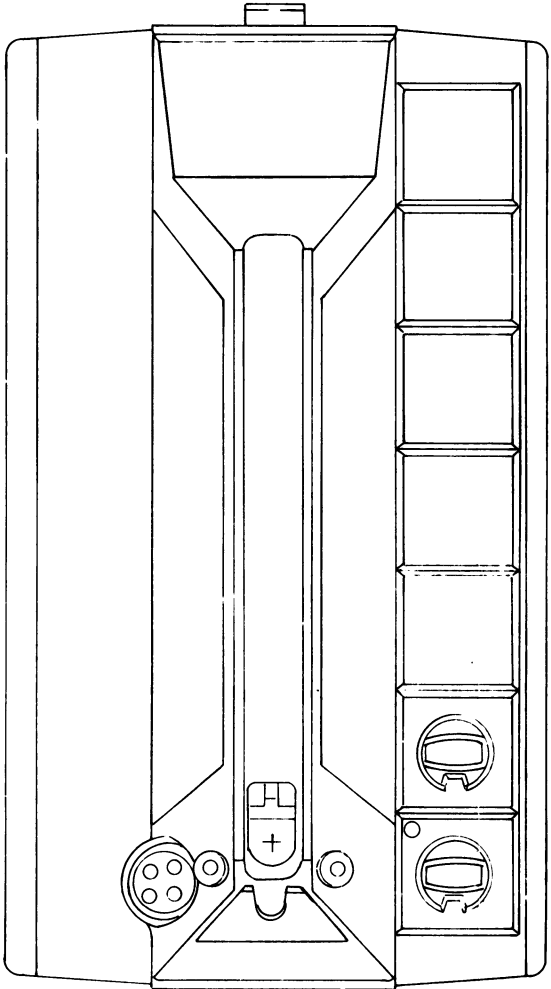
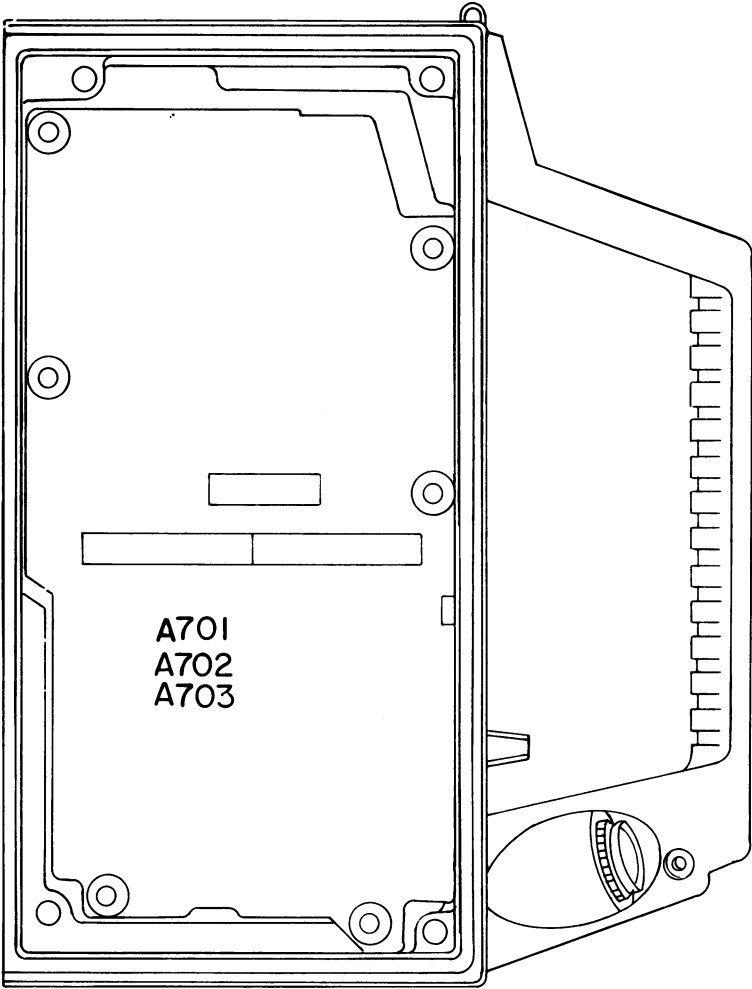
- ① ASM CARRIER CONTROL TIMER
- NOTES:
- THESE INSTRUCTIONS COVER THE INSTALLATION OF CARRIER CONTROL TIMER KIT PL19A136956G1.
1. SOLDER ALL ELECTRICAL CONNECTIONS.
 2. REMOVE BACKING PAPER FROM A1901. ASSEMBLE CARRIER CONTROL TIMER A1901 TO SYSTEM BOARD AS SHOWN. SOLDER PIN 1 & 7 OF A1901 TO GROUND OF SYSTEMS BOARD.
 3. CUT PRINTED WIRE RUN BETWEEN H86 AND H87.

(19C327613, Rev. 2)



INSTALLATION INSTRUCTION

PE CARRIER CONTROL TIMER
19A136956G1



STRAP
19A115185P5
(MOTORCYCLE UNITS
ONLY. SEE NOTES
8 & 9.)

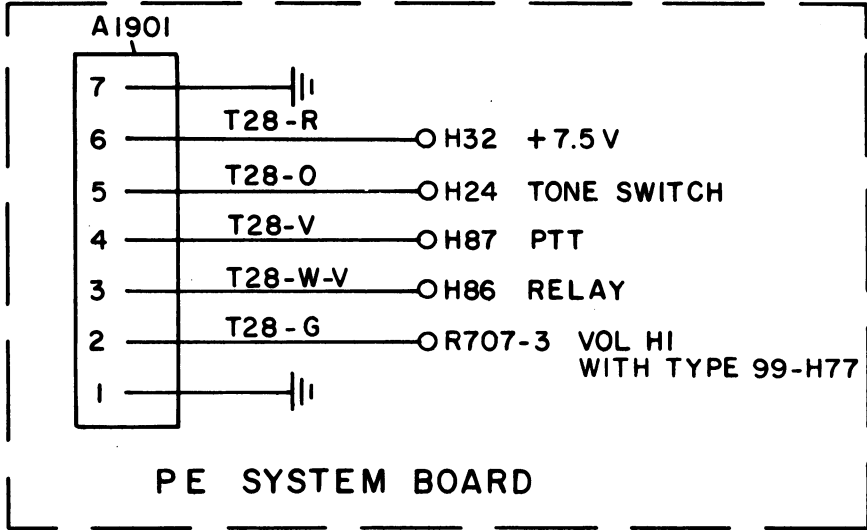
(19D423749, Rev. 3)

INSTALLATION INSTRUCTION

Porta ● Mobile II™
CARRIER CONTROL TIMER 19A136956G2

CONNECTIONS CHART		
FROM	TO	WIRE COLOR
A1902-P1	A701, A702, A703-J13	T28-G
A1902-6	A701, A702, A703-H50	T28-R
A1902-P2	A701, A702, A703-J69	T28-W V
A1902-P3	A701, A702, A703-J67	T28-V
A1902-P4	A701, A702, A703-J62	T28-O

- INSTRUCTIONS:
1. REMOVE FRONT AND BACK COVERS IF PRESENT.
 2. REMOVE BACKING PAPER FROM A1902, ASSEMBLE CARRIER CONTROL TIMER A1902 TO SYSTEMS BOARD AS SHOWN. SOLDER PIN 1 & 7 OF A1902 TO GROUND OF SYSTEMS BOARD.
 3. CUT PRINTED WIRE RUN ON SOLDER SIDE BETWEEN J67 AND J69.
 - 4.
 5. MAKE CONNECTIONS PER CHART ABOVE.
 6. SOLDER ALL ELECTRICAL CONNECTIONS.
 7. ASSEMBLE FRONT AND REAR COVERS IF REQUIRED.
 8. ON MOTORCYCLE UNITS, ENLARGE THE TWO OVAL HOLES LOCATED ON EITHER SIDE OF A1902 WITH A SMALL HAND TOOL TO ACCEPT STRAP.
 9. AFTER MOUNTING AND SOLDERING A1902, ASSEMBLE TY-WRAP THROUGH PWB AND WRAP DIAGONALLY ACROSS A1902 AND SECURE SNUGLY.



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

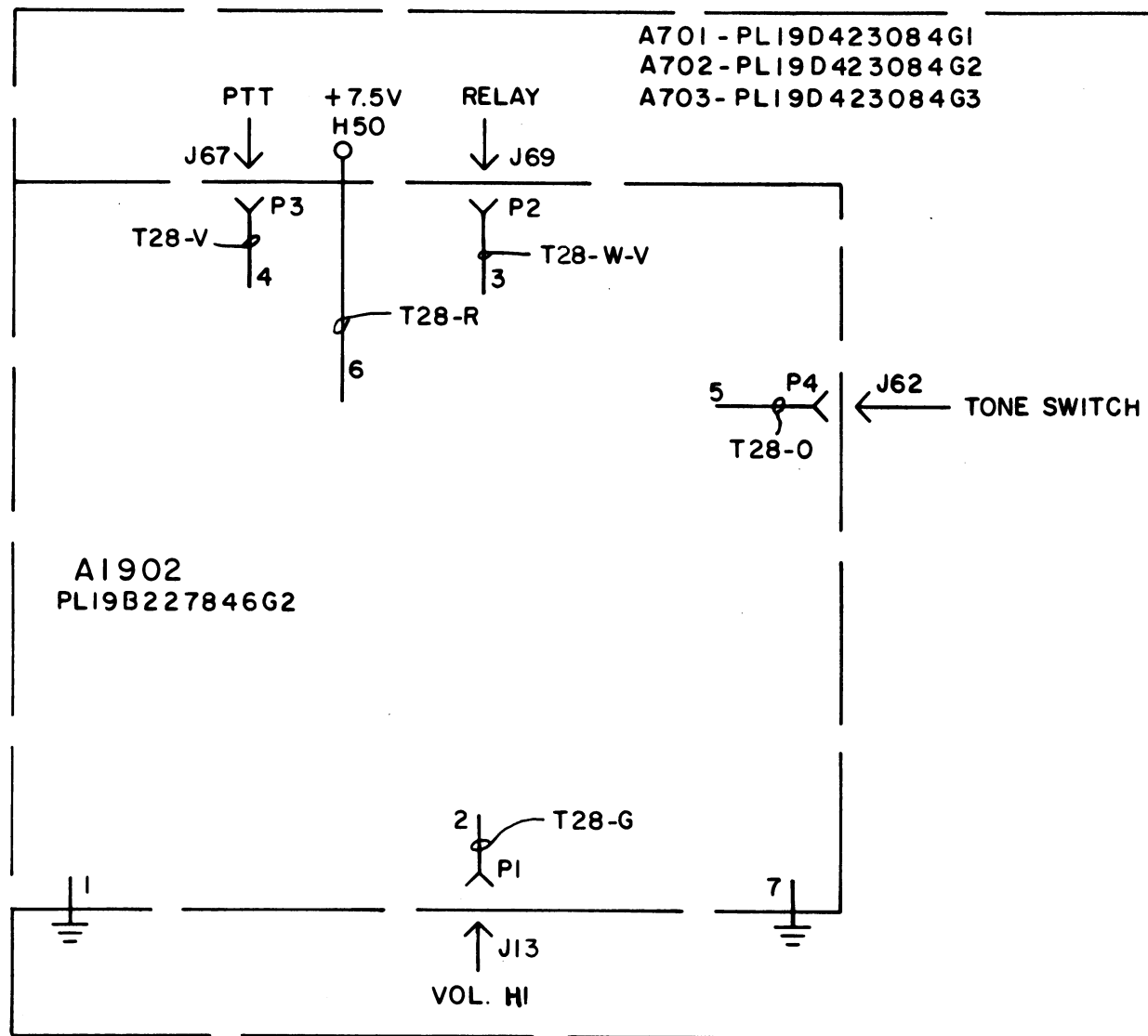
THIS ELEM DIAG APPLIES TO

MODEL NO	REV LETTER
PL19A136956G1	

(19A136955, Rev. 2)

INTERCONNECTION DIAGRAM

PE CARRIER CONTROL TIMER
19A136956G1



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
PL19A136956G2	

(19B227300, Rev. 2)

INTERCONNECTION DIAGRAM

Porta ● Mobile IITM
CARRIER CONTROL TIMER 19A136956G2