



LBI30735  
(DF5044)

INSTALLATION INSTRUCTIONS  
FOR  
ENCODER, TONE PAD KIT 19C327170G1&G2  
(OPTIONS 4240 & 4241)

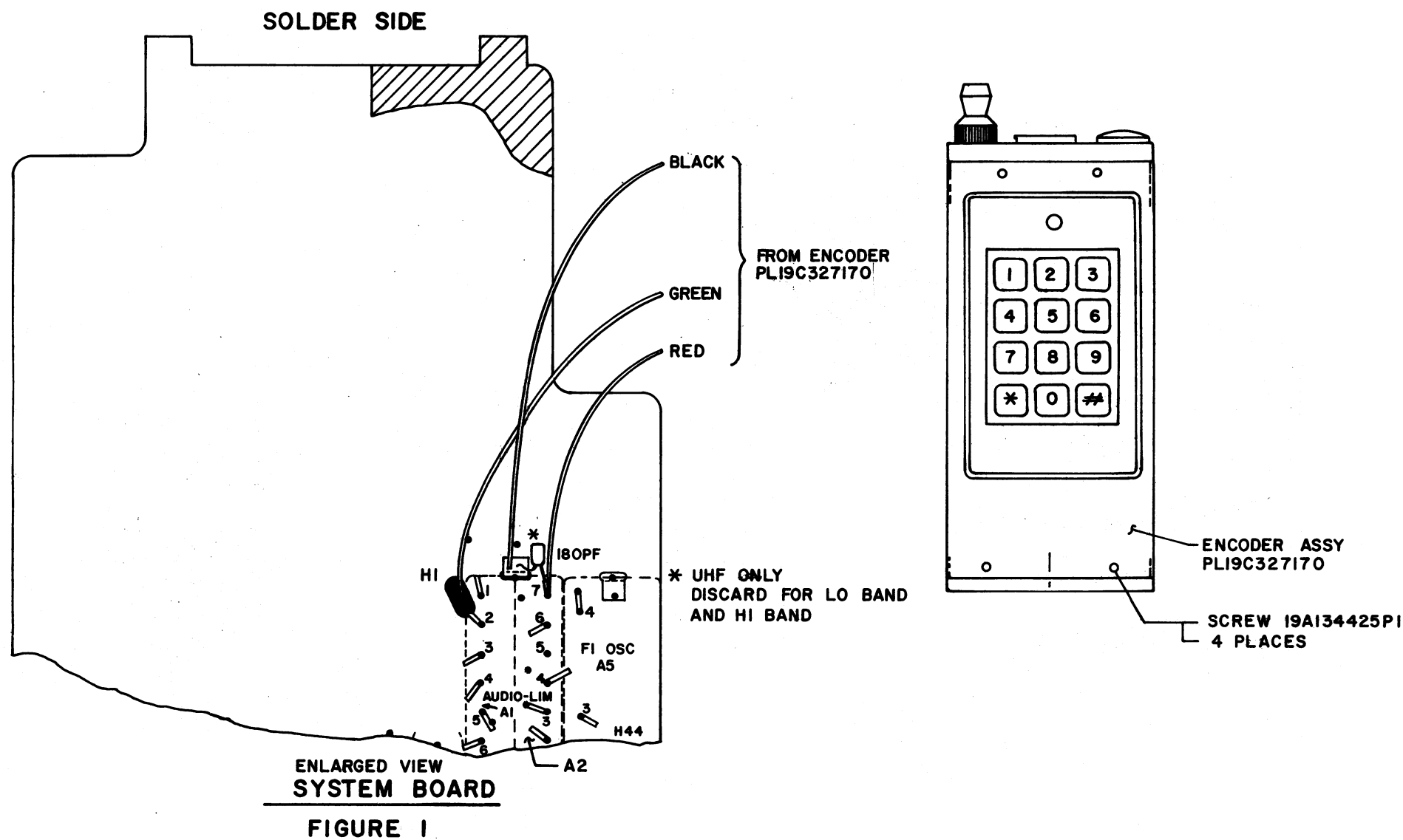
Encoder, Tone Pad Options 4240 and 4241 are used with Personal PE/PY radios in a digital communication system. Option 4240 is used with a 2-Frequency PE radio. Option 4241 is used with an 8-Frequency PE or a 6-Frequency PY radio. Both options mount on the back cover of the PE/PY radio.

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MOBILE RADIO DEPARTMENT  
GENERAL ELECTRIC COMPANY • LYNCHBURG, VIRGINIA 24502



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**INSTRUCTIONS:**

1. SOLDER WIRES FROM THE ENCODER ASSY TO THE SYSTEM BOARD (SEE FIG. 1) AS SHOWN IN FOLLOWING CONNECTION CHART.

WIRE COLOR	TO	FUNCTION
BLACK	GROUND	B+ & SIGNAL GR
GREEN	PIN 2-A1	TONE INPUT
RED	PIN 7-A2	DC PAD SUPPLY

2. ASSEMBLE ENCODER ASSY WITH EXISTING SCREWS, 4 PLACES. THESE ITEMS ARE PART OF HARDWARE KIT PL19A127827.

**3. ADJUSTMENT PROCEDURE**

- (A) TURN RADIO ON.
- (B) CONNECT TRANSMITTER OUTPUT TO FM DEVIATION MONITOR THROUGH REQUIRED ATTENUATION PADS AND RF LOAD.
- (C) KEY TRANSMITTER
- (D) DEPRESS DIGIT "3" BUTTON.
- (E) ADJUST OUTPUT LEVEL CONTROL ON ENCODER TONE PAD TO MEASURE  $\pm 2$  KHz OF TRANSMITTER FREQUENCY DEVIATION.

NOTE: IF UNIT HAS CHANNEL GUARD, SET CG MODULATION TO ZERO, WHILE ADJUSTING THE TONE PAD DEVIATION. WHEN THIS IS COMPLETE, RESET THE CG TO 0.7 KHz DEVIATION.

**PARTS LIST**

ENCODER TONE PAD  
 19C327170G1 2 FREQUENCY  
 19C327170G2 8 FREQUENCY

SYMBOL	GE PART NO.	DESCRIPTION
	19C307160P1	Encoder pad.
	19B227403G1	Cover. (2 Frequency).
	19B227403G2	Cover. (8 Frequency).
	19C317394P5	Gasket. (2 Frequency).
	19C317394P6	Gasket. (8 Frequency).
	19A130397P1	Strap. (Secures wires at cover).