

**INSTRUCTIONS
FOR
20.2 MHz ALTERNATE IF KIT 19A130729G1
(OPTION 4673)**

LB130628
(DF8413)

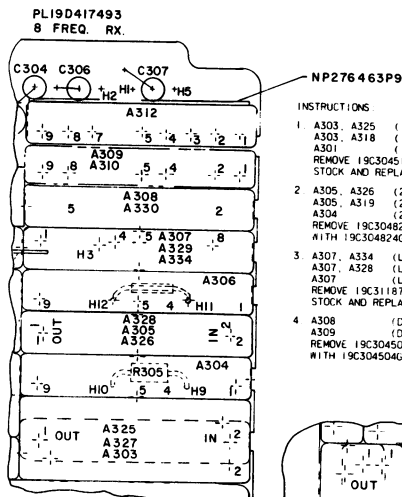
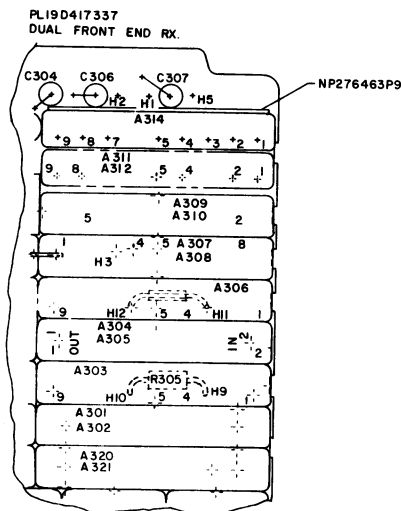
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DESCRIPTION

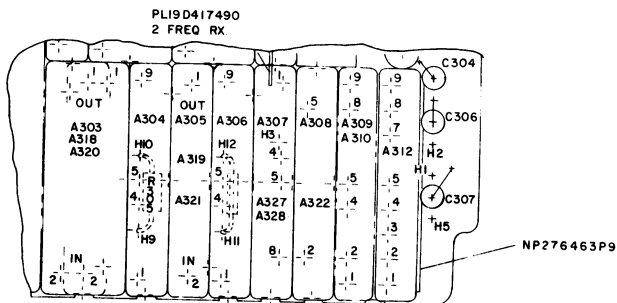
Alternate IF Kit 19A130729G1 contains the necessary filter and discriminator modules to convert a PE receiver from a 20 MHz IF to an alternate 20.2 MHz IF. The alternate IF Kit does not include oscillator modules.

To convert a PE receiver from a 20 MHz IF to an alternate 20.2 MHz IF refer to the INSTALLATION instructions listed in the Table of Contents. Change the oscillator modules according to the following chart:

Frequency Range	Delete	Add
30-36 MHz	4EG28A17	4EG28A37
42-50 MHz	4EG28A17	4EG28A37
138-150.8 MHz	4EG28A15	4EG28A36
150.8-174 MHz	4EG28A11	4EG28A33
406-420 MHz	4EG28A12/ 4EG38A10	4EG28A34
450-512 MHz	4EG28A13/ 4EG38A11	4EG28A35



- INSTRUCTIONS
1. A303, A325 (1ST IF FILTER) 8 FREQ.
A303, A318 (1ST IF FILTER) 2 FREQ.
A307 (1ST IF FILTER) DUAL FRONT END
REMOVE 19C30451633 OR 19C304824G1 AND RETURN TO STOCK AND REPLACE WITH 19C304824G3.
 2. A305, A326 (2ND IF FILTER) 8 FREQ.
A305, A319 (2ND IF FILTER) 2 FREQ.
A304 (2ND IF FILTER) DUAL FRONT END
REMOVE 19C304824G1 AND RETURN TO STOCK AND REPLACE WITH 19C304824G3.
 3. A307, A334 (LIMITER) 8 FREQ.
A307, A328 (LIMITER) 2 FREQ.
A307 (LIMITER) DUAL FRONT END
REMOVE 19C311876G2 OR 19C311876G6 AND RETURN TO STOCK AND REPLACE WITH 19C311876G4.
 4. A308 (DISCRIMINATOR) 2 & 8 FREQ.
A309 (DISCRIMINATOR) DUAL FRONT END
REMOVE 19C304504G3 AND RETURN TO STOCK AND REPLACE WITH 19C304504G6.



(19C321767, Rev. 3)

INSTALLATION INSTRUCTIONS

20.2 MHz ALTERNATE IF KIT

PARTS LIST

LBI-30628

20.2 MHz ALTERNATE IF KIT
19A130728G1

SYMBOL	GE PART NO.	DESCRIPTION
A301, A303, A304, A305, A306, A318, A319, A325	19C304824G5	Bandpass Filter.
A308, A309	19C304504G8	Discriminator.
		----- OSCILLATORS -----
		NOTE: The following oscillators are not part of the IF Kit and must be ordered separately- When reordering give GE Part Number and specify exact frequency needed.
	4EG28A37	Oscillator Module. 30-50 MHz. $F_x = \frac{F_o + 20.2}{3}$
	4EG28A36	Oscillator Module. 138-150.8 MHz. $F_x = \frac{F_o - 20.2}{8}$
	4EG28A33	Oscillator Module. 150.8-174 MHz. $F_x = \frac{F_o - 20.2}{9}$
	4EG28A34	Oscillator Module. 406-420 MHz. $F_x = \frac{F_o + 20.2}{.1}$
	4EG28A35	Oscillator Module. 450-512 MHz. $F_x = \frac{F_o - 20.2}{.1}$

*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES