

Instructions

FOR THE



MODIFICATION KIT

MODEL SBM - 102-1

INTRODUCTION

This modification Kit applies to the following Heath Transceivers:

1. All Models HW-100, SB-100, SB-101 and SB-101W.
2. Any Model SB-102 that has a number lower than 5446 as the last four digits of the Series Number (on the blue and white label).

The plate tank circuit of V6, the second transmitter mixer, is used in the receive mode as the plate circuit of V10, RF Amplifier. Due to tube Miller effects, additional capacity is required when receiving to permit the driver preselector to peak at the same dial setting in both transmit and receive modes. This modification uses automatic diode switching to add the required compensating capacity.

PARTS LIST

<u>PART No</u>	<u>QUAN-</u>	<u>DESCRIPTION</u>
	<u>TITY</u>	
1-26	1	100 k Ω 1/2-watt resistor (brown-black-yellow)
1-35	1	1 M Ω 1/2-watt resistor (brown-black-green)
21-33	1	3.3 pF disc capacitor
66-56	1	1N4149 diode (cathode end marked with a band)
344-50	1	Black hookup wire
391-34	1	Blue and white identification label
431-62	1	3-lug terminal strip Instruction sheet Solder