

MICROMONITOR INSTALLATION INSTRUCTIONS

SEARS ROADTALKER SERIES

J.C. PENNEY'S USING SM5104 CHIP

1. Assure supplied parts conform to list:
 - 1 ea. Micromonitor control unit
 - 1. ea. Interface board
 - 1 ea. LM340T-5 voltage regulator
 - 1 51k resistor
 - 1 Tru-arc ring
 - 4 ea. plastic spacers
 - 8 ea. 4-40 x $\frac{1}{4}$ " screws
2. Remove cover from radio
 - (a) select a location to mount interface board. Assure NO interference. Speaker location may need to be altered.
 - (b) refer to figure. Install interface board and voltage regulator to selected location.
 - (c) punch $\frac{1}{2}$ " hole at back of radio. File notch to accept jack on interface board. Secure with tru-arc ring.
3. Place radio foil side up.
4. Cut traces connected to pin 6 and pin 7 SM5104 chip.
5. Jumper trace perviously connected to pin 7 to pin 8.
6. Make connections directly to chip as follows:
 - Yellow - to pin 6
 - White - to trace perviously connected to pin 6
 - Violet - to pin 4
 - Grey - to pin 2
 - Black - to pin 16
 - Orange - to pin 8
7. Parallel R131 (near Q108) with 51k resistor.
8. Connect green wire to collector Q108.
9. Connect blue wire to R142 (opposite end connected to D113 near Q108).
10. Connect red wire to +13.8VDC switched.
11. Install jumper between pads 4 & 5 on interface board.
12. Power on - cycle MM1 from off to on - display should read "CH 19". Verify xmt. frequency of 27.185 MHz.
13. Depress "HELP" button. Verify xmt. frequency of 27.065MHz.

NOTE: pads 1 & 2 are intended for amateur use only. Do not allow a short circuit to exist between these points for Class D Citizen's Service.

MICROMONITOR WIRING INSTRUCTIONS

