

MICROMONITOR INSTALLATION INSTRUCTIONS

RADIOS USING 858 CHIP

1. Verify supplied parts conform to list below:
 - 1 Tru-arc spring clamp
 - 1 Micromonitor
 - 1 Interface Board
 - 4 Spacers
 - 8 Screws (4-40x $\frac{1}{4}$)
 - 1 LM340T-5 Voltage Regulator
 - 1 10k $\frac{1}{4}$ watt resistor
2. Remove covers from radio.
3. Select a location to install interface board. Assure no interference exists when radio is reassembled.
4. Refer to figure. Install interface board and LM340T-5 regulator. Use heat sink compound.
5. Select a location for jack and punch $\frac{1}{2}$ inch hole; file notch in hole so that jack can be secured.
6. Secure jack with Tru-arc spring.
7. Install jumper between pads 4 & 5 on interface board.
8. Cut traces connected to pins 1 & 2, 858 chip.
9. Cut trace connected to base of TR12. (see Fig. 2)
10. Install 10k resistor across trace just cut.
11. Ground trace previously connected to pin 1, 858 chip.
12. Cut wires to length and install as follows:
 - Red - +13.8 VDC (switched)
 - Orange - Pin 12, 858 chip
 - Black - Circuit ground at 858 chip.
 - Grey - Pin 11, 858 chip
 - Violet - Pin 10, 858 chip
 - Yellow - Pin 2, 858 chip
 - White - Trace previously connected to Pin 2, 858 chip.
 - Green - opposite end of 10k resistor connected to TR12.
 - Blue - 6.27 VDC transmit source at R196 (220 ohm)
13. Reassemble Unit.
14. Plug in MM1 - switch off.
15. Power on - cycle MM1 from off to on. "Ch19" should appear in display.
16. Verify xmt frequency of 27.185 MHz.

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17. Depress 'HELP' button.
18. Verify XMT frequency of 27.065 MHz.

NOTE: Test points 1 & 2 are intended for amateur use only. Do not allow a short circuit to exist between these points for class D service.

