KWM-380 TRANSCEIVER (622-5093-001, -101)
HF-380 TRANSCEIVER (622-3580-001, -101)

SERVICE INFORMATION LETTER 1-84

PRODUCT IMPROVEMENT

PURPOSE:
To remove RFI susceptibility on the microphone input and speaker talk-back during transmit.

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>APPLIES TO SERIAL NUMBER</th>
<th>PRODUCTION CUT-IN SERIAL NUMBER</th>
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</thead>
<tbody>
<tr>
<td>KWM-380</td>
<td>All units</td>
<td>2200</td>
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<tr>
<td>622-5093-001, -101</td>
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<tr>
<td>HF-380</td>
<td>All units</td>
<td>1200</td>
</tr>
<tr>
<td>622-3580-001, -101</td>
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</tbody>
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SYMPTOM:
High RF environment will cause distortion in the transmit audio and extreme audio distortion with the speech processor engaged. SSB undetected audio will be heard through the transceiver speaker.

SOLUTION:
On the rear of the front panel, add two ferrite beads to the white wire on the mic jack (part #288-1337-010). Change RF bypass C3 between mic jack and phone jack to 0.1uf (part #913-3333-030). Add 0.01uf RF bypass capacitor to phone jack (part #913-3333-020). On the Receiver/Exciter A3 board, install a 6800pf bypass across R500 mic amplifier input resistor (part #913-5019-180).

Diagram:
- White wire with ferrite beads
- Shielded Mic line
- Change Capacitor
- Add Capacitor
- Bottom Terminal
- Phone Jack J1
- Mic Jack J2
- R500