Receiver/Amplifier Replacement Kit

MODEL 12550-102

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General Information

This kit is used on the following model stations:

- 10450-003
- 10450-102
- 10450-101
- 10450-202
- 11001-001
- 11001-002
- 11002-001
- 11002-002

The Model 12550-102 kit includes the following components:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Handset SMT PCBA</td>
</tr>
<tr>
<td>1</td>
<td>Headset receiver</td>
</tr>
<tr>
<td>2</td>
<td>Screw</td>
</tr>
<tr>
<td>2</td>
<td>Brass eyelet</td>
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Installation

Removing the Old Receiver

1. Unscrew the microphone cap, and remove the microphone assembly and nylon washer.

2. Loosen the two screws on the microphone assembly, and remove the three black wires and brown wire. Locate the splice connection of the two white wires. Remove the vinyl electrical tape from the splice, and remove the larger white wire (receiver wire) from the jumper clip. See Figure 1.

   NOTE: On older stations, the brown wire is replaced by a green wire.
3. Remove the two screws that secure the handset page switch to the handset. Carefully remove the page switch cover plate, actuator cover, return spring, actuator, and contact enclosure from the handset handle. See Figure 3.

4. Unscrew the receiver cap, and carefully remove the receiver/amplifier assembly.

5. Discard the old receiver and amplifier assembly.

### Installing the New Receiver and Amplifier PCBA

1. Place the new receiver element on a flat surface, and install the amplifier printed circuit board assembly (PCBA) on the receiver using the brass eyelets and screws provided as shown in Figure 2.

2. Carefully insert the wires from the amplifier PCBA into the handset handle (black and brown wires go to the microphone cavity, and the white wire goes to the page switch cutout midway on the handle).

3. Insert the amplifier PCBA into the receiver cavity of the handset handle until the receiver is properly seated in the handset.

4. Replace the receiver cap.

5. Insert the spade terminal from the receiver white wire into the jumper clip, along with the white wire from the coil cord. See Figure 1. Tape the jumper clip with vinyl electrical tape.
6. Install the page switch contact enclosure, actuator, return spring, actuator cover, and cover plate using the screws previously removed. See Figure 3.

![Figure 3. Pressbar Page Switch Detail Drawing](image)

7. Connect the three black wires from the receiver PCBA, page switch, and coil cord to one terminal of the microphone and the brown wire from the receiver PCBA to the second terminal of the microphone. See Figure 4.

8. Carefully insert the tape splice into the microphone cavity, and push the wires toward the page switch. Install the coil cord strain relief on the microphone bracket as shown in Figure 4. Insert the microphone into the microphone cavity on the handset.

9. Install the nylon washer on the microphone. See Figure 4.

10. Replace the microphone cap.

![Figure 4. Microphone Installation Diagram](image)
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Call 800-492-1212 (inside the USA) or 610-777-1374 (outside the USA) for help identifying the Regional Service Center closest to you.