Subset Extension Cable Assembly Replacement Kit

MODEL 12587-001

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General Information

NOTE: The use of this assembly with CSA-approved models will void the CSA approval.

Model 12587-001 Subset Extension Cable Assembly Replacement Kit is compatible with the following stations:

<table>
<thead>
<tr>
<th>Desk-edge Stations</th>
<th>Flush-Mount Stations</th>
<th>Desktop Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>710-102</td>
<td>715-102</td>
<td>720-102</td>
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<tr>
<td>710-004</td>
<td>715-004</td>
<td>7205-102</td>
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<tr>
<td>7105-102</td>
<td>7155-102</td>
<td>726-102</td>
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<tr>
<td>7105-004</td>
<td>7155-004</td>
<td>7265-102</td>
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Model 12587-001 includes the following components:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Cable, 50-foot, 24-conductor, No. 24 AWG with a 24-position (P1) plug on one end</td>
</tr>
<tr>
<td>1</td>
<td>Wall plate, stainless steel with two mounting screws and 24-position, already-mounted receptacle</td>
</tr>
<tr>
<td>1</td>
<td>Receptacle (24-position) with cable clamp housing</td>
</tr>
<tr>
<td>2</td>
<td>Disengagement-prevention brackets with screws and nuts</td>
</tr>
<tr>
<td>1</td>
<td>PVC tubing, 1.5-inch piece</td>
</tr>
</tbody>
</table>
Installation as a Wall Receptacle

1. Arrange the cable so that P1 is located at the amplifier enclosure, and the blunt end of the cable is located at the wall receptacle. After all connections are made, P1 will plug into the receptacle at the amplifier enclosure, and the blunt end of the cable will connect to the wall receptacle.

2. Install the 50-foot cable/plug assembly in the wall from the amplifier location to the desired wall receptacle location in a nominal $2 \times 3 \times 1.5$ inches minimum depth single gang electrical box. Check the appropriate electrical code.

3. Cut the cable to the desired length, allowing adequate cable for the installation of the wall plate.

4. From the blunt end of the cable, strip 1.75 inches off from the cable jacket, and strip 0.25 inch off from the insulation on the 24 individual wires. The cable contains one shielded pair of wires with a drain wire. Trim the shield until it is even with the cable jacket. Twist the drain wire, and cover it with the 1.5-inch PVC tubing (supplied) prior to soldering it to terminal 14 of receptacle J1.

5. See Figure 4 for proper wire color terminations. Solder all wire leads and drain wire to receptacle J1 on the wall plate as indicated in Figure 2. Make sure that there are no wire strands touching any other terminations.

6. Install the wall plate using the two mounting screws provided.

7. Plug P1 into the amplifier enclosure and the subset plug into the wall receptacle J1. Be sure that the connector housing latching tabs are properly in place.

Figure 1. Installation as a Wall Receptacle
Installation as a Subset Extension Cord

1. Arrange the cable so that P1 is located at the amplifier enclosure or wall receptacle. After all the connections are made, P1 will plug into the receptacle at the amplifier enclosure or wall receptacle, and the blunt end of the cable will be wired to the 24-position receptacle (J1) and will plug into the subset plug.

2. Cut the cable to the desired length needed to reach from the amplifier enclosure or wall receptacle to the existing subset cable.

3. From the blunt end of the cable, strip the cable jacket off for 1.75 inches, and the 24-wire lead jackets for 0.25 inch. Install the cable clamp housing on the cable prior to soldering the leads to the receptacle J1 terminals.

4. The cable contains one shielded pair of wires with a drain wire. Trim the shield until it is even with the cable jacket. Twist the drain wire, and cover it with the 1.5-inch PVC tubing (supplied) prior to soldering terminal 14 of receptacle J1.

5. See Figure 4 for proper wire color terminations. Solder all wire leads and the drain wire to receptacle J1 as indicated in Figure 1. Make sure that there are no wire strands touching any other terminations.

6. Install the cable clamp housing over the receptacle body, and install the housing pins from opposite sides of the housing, then tighten the cable clamp screws.

7. Plug P1 into the amplifier enclosure or wall receptacle.
8. Plug the subset plug into receptacle J1. Attach the disengagement-prevention brackets and screw together. See Figure 3.

Figure 3. Position of disengagement-prevention brackets

Figure 4. Wire Color Termination
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If the equipment requires service, contact your Regional Service Center for a return authorization number (RA#). Equipment should be shipped prepaid to GAI-Tronics with a return authorization number and a purchase order number. If the equipment is under warranty, repairs or a replacement will be made in accordance with the warranty policy set forth above. Please include a written explanation of all defects to assist our technicians in their troubleshooting efforts.

Call 800-492-1212 (inside the USA) or 610-777-1374 (outside the USA) for help identifying the Regional Service Center closest to you.

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