



GAI-TRONICS® CORPORATION

A HUBBELL COMPANY

Speaker Assembly Replacement Kit

Model 12522-004

Confidentiality Notice

This manual is provided solely as an operational, installation, and maintenance guide and contains sensitive business and technical information that is confidential and proprietary to GAI-Tronics. GAI-Tronics retains all intellectual property and other rights in or to the information contained herein, and such information may only be used in connection with the operation of your GAI-Tronics product or system. This manual may not be disclosed in any form, in whole or in part, directly or indirectly, to any third party.

General Information

The Model 12522-004 Speaker Assembly Replacement Kit is designed for use with the GAI-Tronics Model 297 and 298 Series Telephones. It includes the following components:

Qty	Description
1	Speaker assembly
1	Tie wrap
4	Flat nylon washers
4	Nylon shoulder washers

The following tools are required to install this kit:

- #2 Phillips screwdriver
- ¼-inch straight slot screwdriver
- GAI-Tronics Model 233-001 Tamper-resistant Screwdriver
- 1/4-inch hex nut driver or socket wrench
- Wire cutters

Installation

Removal of Old Speaker Assembly

1. Use a Model 233-001 Tamper-resistant Screwdriver to remove the six screws securing the front panel assembly to the back box. Save the screws for reassembly.
2. Lift the front panel assembly approximately 6 to 8 inches away from the back box.
3. Unplug the telephone line cord from the modular block in the back box, or disconnect the telephone line from TB1, depending on the installation.

MODEL 12522-004 SPEAKER ASSEMBLY REPLACEMENT KIT

4. Remove the front panel assembly and place it face down on a flat surface.
5. Use the wire cutters to snip the tie wrap securing the push buttons(s) and speaker wire.
6. Unplug the speaker assembly cable from the printed circuit board assembly (PCBA)
7. Use the #2 Phillips head screwdriver to remove the screws securing the PCBA to the standoffs. Save the screws for reassembly.
8. Use the ¼-inch nut driver to remove the standoff and three hex nuts securing the speaker assembly to the front panel assembly. Save them for reassembly.
9. Remove the four flat nylon washers from the top of the speaker mounting holes. Remove the four nylon shoulder washers from under the speaker mounting holes.

NOTE: Discard the following used parts:

- Speaker assembly
- Flat nylon washers
- Nylon shoulder washers

Installation of the New Speaker Assembly

1. Place one nylon shoulder washer on each speaker mounting stud on the front panel. The shoulder part of the washer must face upward toward the speaker.
2. Place the new speaker assembly on the front panel mounting studs ensuring the shoulder washer is properly seated in the speaker mounting holes.
3. Place one flat nylon washer on each stud.
4. Use the ¼-inch nut driver to secure the speaker in place with the 6-32 × 0.875-inch standoff and the three hex nuts.
5. Secure the PCBA in place with the previously saved screws and the Phillips screwdriver.
6. Plug the speaker assembly cable in the PCBA at J5.
7. Use the enclosed tie wrap to secure the push button and speaker cables together.
8. Plug the telephone line cord into the modular block in the back box, or reconnect the phone line wires to TB1.
9. The speaker volume may need to be adjusted after installation. Please refer to the unit's original installation and user manual for details on how to perform this adjustment.
10. Secure the front panel assembly to the back box with the saved screws using the Model 233-001 Tamper-resistant Screwdriver.

Warranty

Equipment. GAI-Tronics warrants for a period of one (1) year from the date of shipment, that any GAI-Tronics equipment supplied hereunder shall be free of defects in material and workmanship, shall comply with the then-current product specifications and product literature, and if applicable, shall be fit for the purpose specified in the agreed-upon quotation or proposal document. If (a) Seller's goods prove to be defective in workmanship and/or material under normal and proper usage, or unfit for the purpose specified and agreed upon, and (b) Buyer's claim is made within the warranty period set forth above, Buyer may return such goods to GAI-Tronics' nearest depot repair facility, freight prepaid, at which time they will be repaired or replaced, at Seller's option, without charge to Buyer. Repair or replacement shall be Buyer's sole and exclusive remedy. The warranty period on any repaired or replacement equipment shall be the greater of the ninety (90) day repair warranty or one (1) year from the date the original equipment was shipped. In no event shall GAI-Tronics warranty obligations with respect to equipment exceed 100% of the total cost of the equipment supplied hereunder. Buyer may also be entitled to the manufacturer's warranty on any third-party goods supplied by GAI-Tronics hereunder. The applicability of any such third-party warranty will be determined by GAI-Tronics.

Services. Any services GAI-Tronics provides hereunder, whether directly or through subcontractors, shall be performed in accordance with the standard of care with which such services are normally provided in the industry. If the services fail to meet the applicable industry standard, GAI-Tronics will re-perform such services at no cost to buyer to correct said deficiency to Company's satisfaction provided any and all issues are identified prior to the demobilization of the Contractor's personnel from the work site. Re-performance of services shall be Buyer's sole and exclusive remedy, and in no event shall GAI-Tronics warranty obligations with respect to services exceed 100% of the total cost of the services provided hereunder.

Warranty Periods. Every claim by Buyer alleging a defect in the goods and/or services provided hereunder shall be deemed waived unless such claim is made in writing within the applicable warranty periods as set forth above. Provided, however, that if the defect complained of is latent and not discoverable within the above warranty periods, every claim arising on account of such latent defect shall be deemed waived unless it is made in writing within a reasonable time after such latent defect is or should have been discovered by Buyer.

Limitations / Exclusions. The warranties herein shall not apply to, and GAI-Tronics shall not be responsible for, any damage to the goods or failure of the services supplied hereunder, to the extent caused by Buyer's neglect, failure to follow operational and maintenance procedures provided with the equipment, or the use of technicians not specifically authorized by GAI-Tronics to maintain or service the equipment. **THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES AND REMEDIES, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

Return Policy

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.