



GAI-TRONICS® CORPORATION  
A HUBBELL COMPANY

# PCBA Replacement Kit

MODEL 12556-001

## Confidentiality Notice

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## Instructions

The Model 12556-001 PCBA Replacement Kit contains one Model 69228 handset amplifier PCBA for use in GAI-Tronics SmartHandset™ stations and SmartAmplifier™ stations.



**Remove the power from the station prior to servicing.**

## Removing the Old PCBA

1. Loosen the four screws at the corners of the front panel, and pull the plug-in the amplifier from the enclosure. All maintenance work from this point on should be performed at a work bench with the operator properly grounded to avoid static discharge.
2. Loosen the four chassis screws (Phillips) on the top and bottom of the unit.
3. Carefully slide the chassis to the left, and separate it from the front panel.



**The power supply harness inside is short; do not pull it apart abruptly.**

4. Remove the power supply wire harness from J6 on the Model 69241 PCBA by pressing the tab on the locking connector.
5. Remove the aux/subset connector at J2 from the Model 69228 PCBA (for Model 701-804 only).
6. Disconnect the spade terminals at E1 through E7. Needlenose pliers may be required.
7. Remove the four screws that secure the Model 69228 PCBA. **DO NOT DISCARD THE HARDWARE.** Disconnect the assembly by grabbing the PCBA at the sides near the J1 connector. Unplug it from the PCBA below it.

# Installing the New PCBA

1. Plug the replacement PCBA into J1 on the Model 69227 PCBA, and secure it with the existing screws.
2. Reconnect the spade lugs. See Figure 1.
3. **For Model 701-804 only:** Reattach the aux/subset connector at J2 on the Model 69228 PCBA.
4. Reconnect the 12-conductor wire harness from the Model 69241 baseboard to the Model 69242 power supply PCBA on the front panel at J1.
5. Reattach the chassis and front panel; and secure the top and bottom chassis screws.
6. Plug the amplifier into the enclosure, and tighten the four front panel screws.
7. Reapply the power to the station.

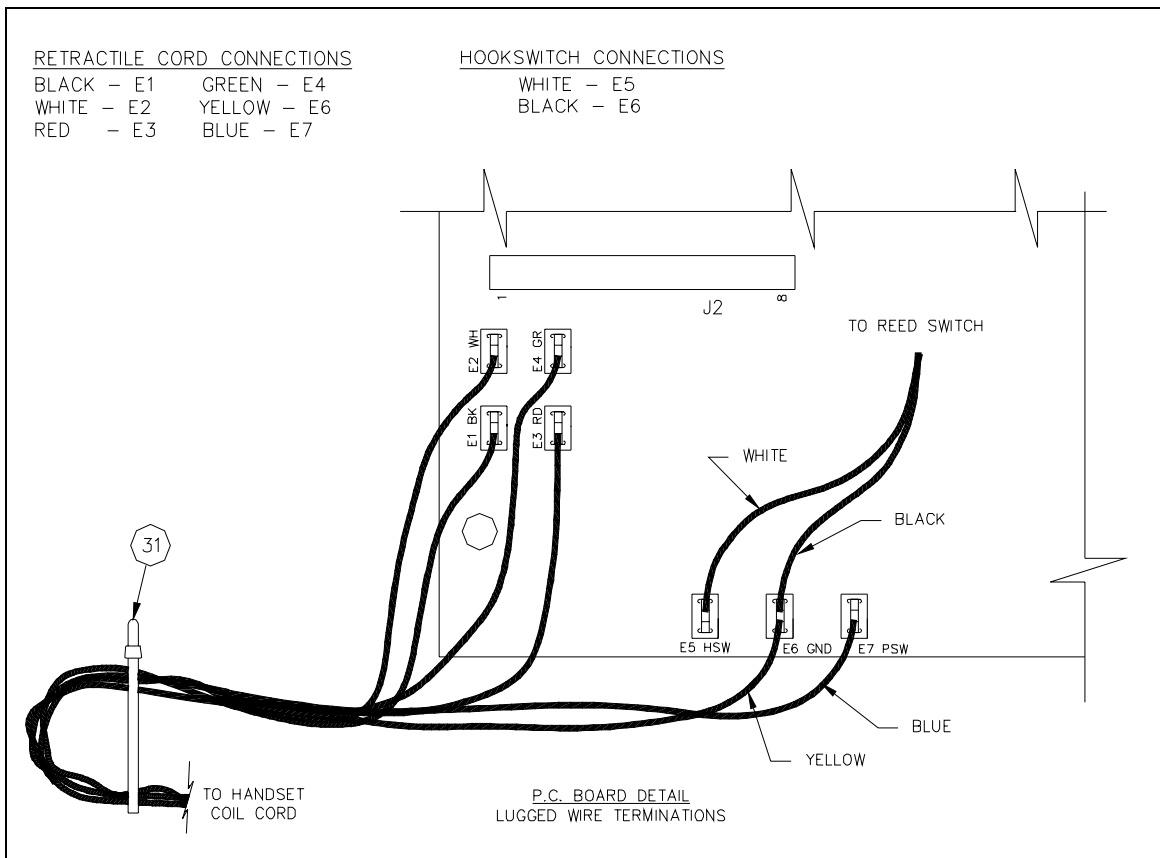


Figure 1.

# Warranty

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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

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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.