



GAI-TRONICS®

A HUBBELL COMPANY

# DHS/DHF PCBA Replacement Kit

## Model 12830-001

## Confidentiality Notice

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## General Information

The Model 12830-001 DHS/DHF PCBA Kit is intended to replace the PCB assemblies in the following GAI-Tronics Digital Intercom Stations:

|         |         |           |             |             |         |
|---------|---------|-----------|-------------|-------------|---------|
| DHS-101 | DHF-103 | DHS-201HS | DHF-201GN   | DHF-202HS   | DHF-203 |
| DHF-101 | DHF-104 | DHF-201   | DHF-201HSGN | DHF-202GN   | DHF-204 |
| DHF-102 | DHS-201 | DHF-201HS | DHF-202     | DHF-202HSGN |         |

This kit includes the following components:

| Qty | Description  |
|-----|--|
| 1   | PCB Assembly consisting of: Audio/Interface PCBA & Intercom PCBA |
| 1   | Jumper for installation in hands-free stations                   |

## Installation

**WARNING EXPLOSION HAZARD – Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.**

**WARNING EXPLOSION HAZARD – Substitution of components may impair suitability for Class 1, Division 2. Heed warnings – Adhere to all warnings on the unit and in the operating instructions. Servicing – Do not attempt to service this unit by yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.**

1. Use the Model 233-001 Security Screwdriver to remove the four front panel screws, and separate the front panel from the rear enclosure. Place the screws in a safe location.
2. Disconnect the speaker, LED indicator and field wiring from the Audio Interface PCBA. When applicable, also disconnect the microphone, keypad, proximity sensor, headset jack, push buttons and handset from the Audio Interface PCBA. Record the location of each connection for later reconnection.

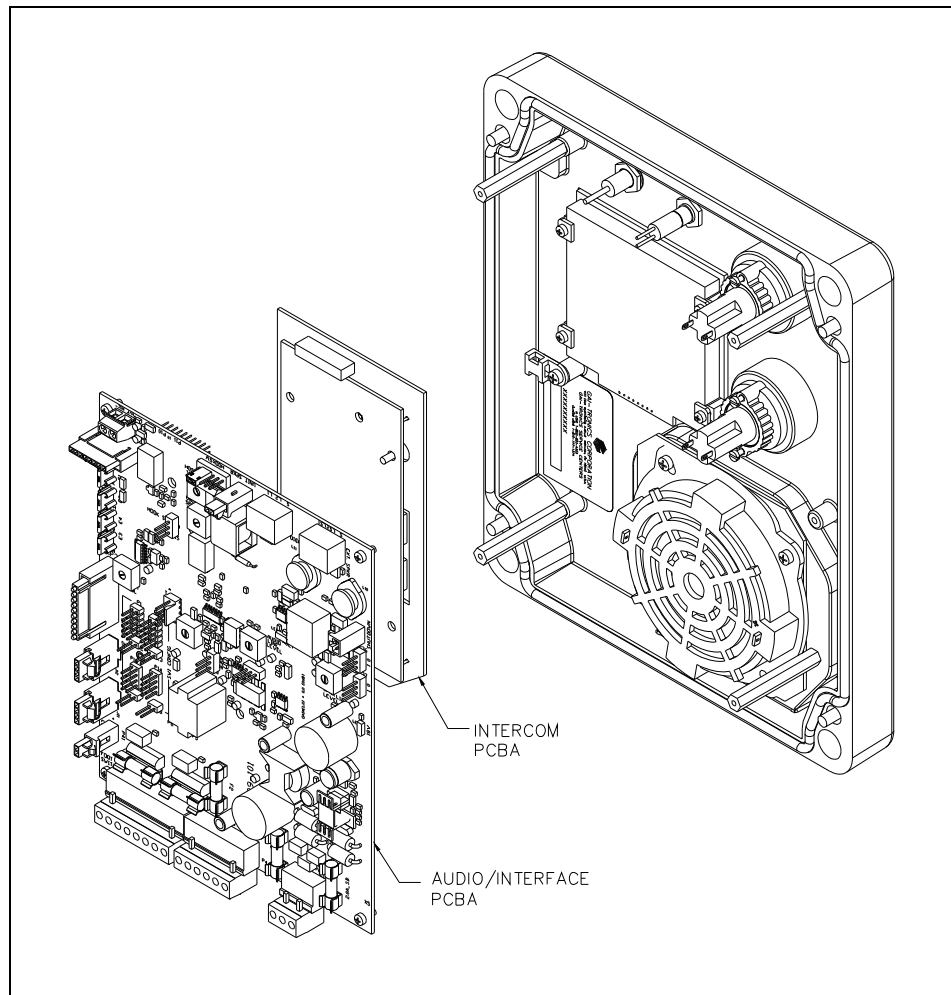


Figure 1. Front Panel Assembly with Intercom and Audio Interface PCBAs

3. Remove the four screws holding the Audio Interface PCBA in place and remove it. The Intercom PCBA is attached to the rear side of the Audio Interface PCBA. See Figure 1. Place the screws in a safe location.

- Replace the Audio Interface and Intercom PCBA assembly with the kit PCB assembly. Attach the kit PCB assembly to the front panel using the four screws removed in step 3. If the station is a hands-free version, install the jumper on P43 as shown in Figure 2.

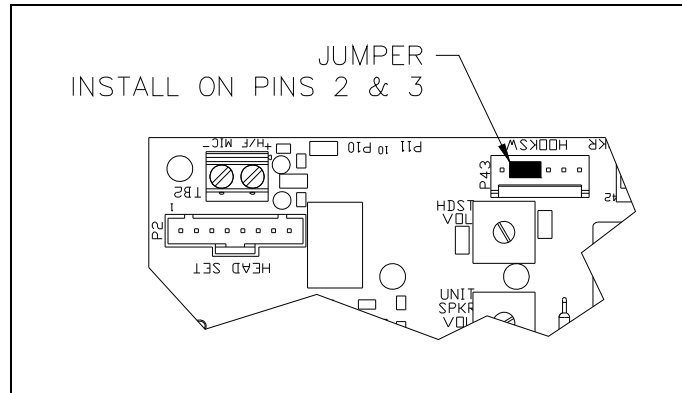


Figure 2. Jumper Detail on Audio Interface PCBA

- Re-attach all of the connectors and field wiring into the Audio Interface PCBA. See Figure 3 and Figure 4.

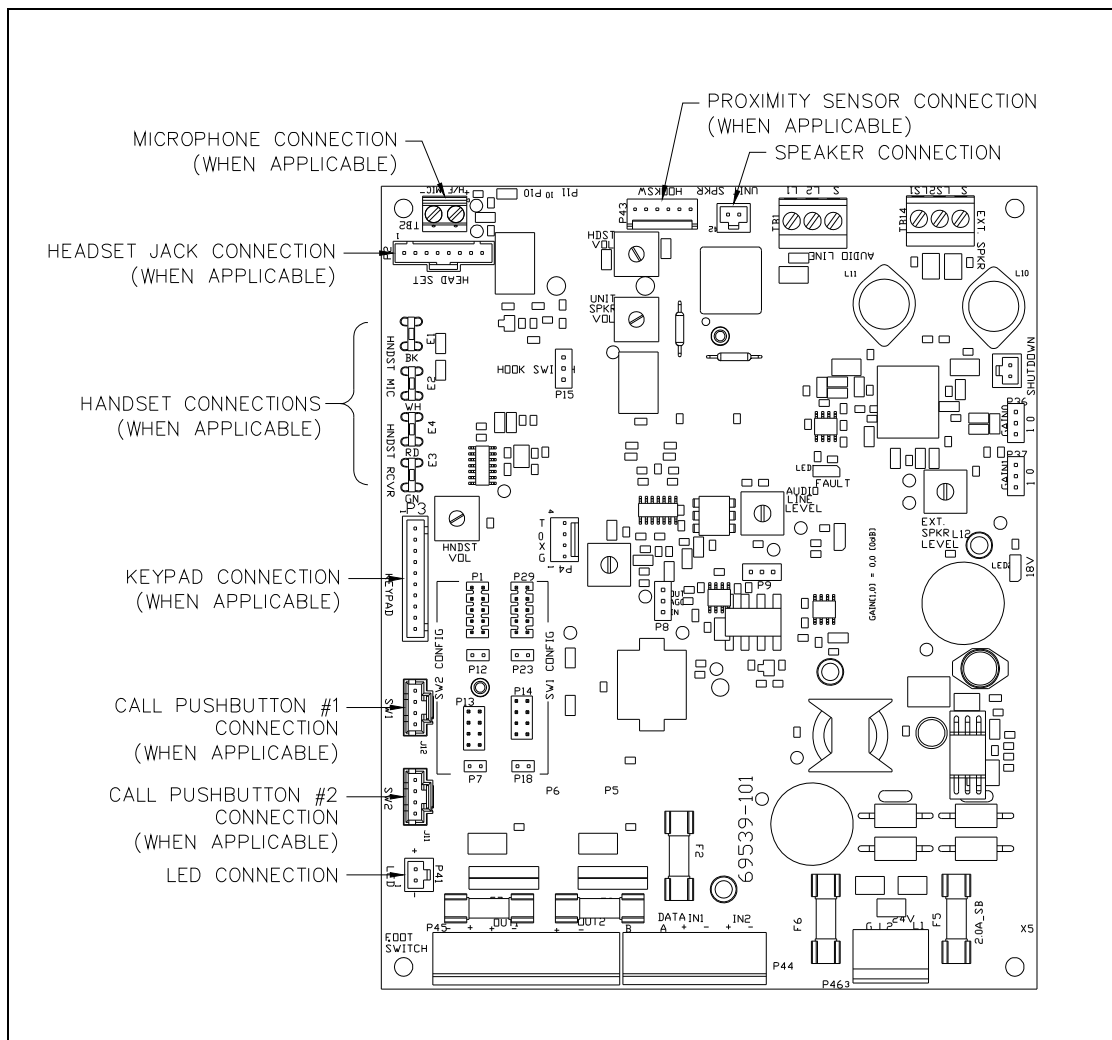


Figure 3. Audio Interface PCBA Connection Detail

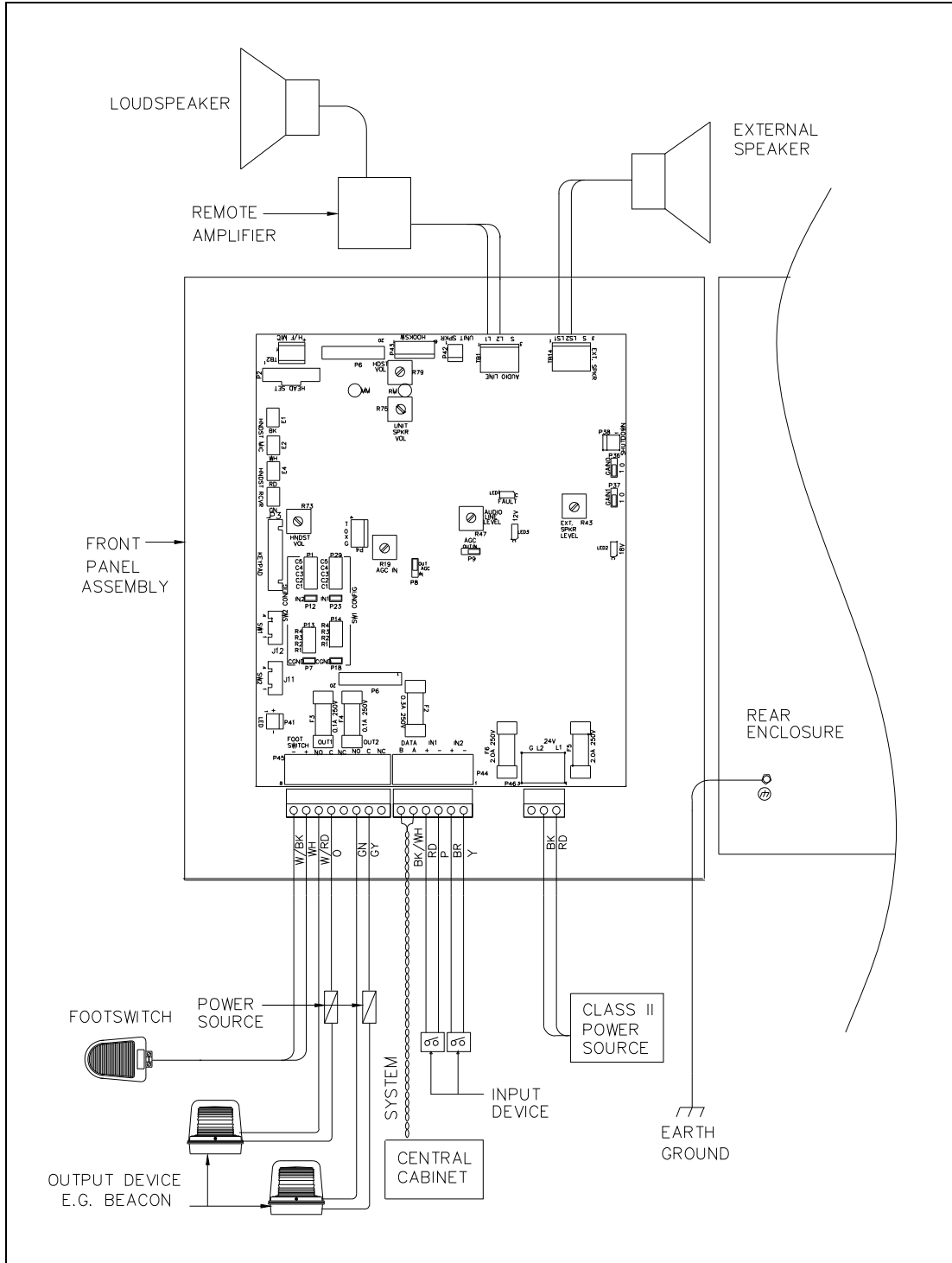


Figure 4. Typical Station Installation

6. Complete the installation by reattaching the front panel assembly to the rear enclosure using the four security screws. Use a torque setting of 30 in-lbs. or 35 cm-kg.

# 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.