

**G A I - T R O N I C S   C O R P O R A T I O N**  
**REPLACEMENT PARTS KIT**

**MODEL 12590-003 KIT**

Kit 12590-003 is for use on Call/Talk B08A Multi-Party Division 1 Cover Module. This kit replaces the WBA4025 Preamp Printed Circuit Board Assembly (PCBA), the Preamp Harness Assembly, and the Rotary Selector Switch.

**Kit 12590-003 Includes:**

<u>Qty</u>	<u>Description</u>
1	WBA4025 Preamp Printed Circuit Board Assembly (PCBA)
1	Preamp Harness Assembly
1	Rotary Selector Switch

**The Following Tools are Recommended for Kit Installation:**

1/16" Allen Wrench  
1/2" Socket  
Needle nose pliers or flat screwdriver  
1/2" Open-ended wrench

**Removal of Old Preamp PCBA and Preamp Harness Assembly**

1. Remove the screws securing the front cover and place on a flat surface to easily access the Preamp PCBA. Set screws aside.
2. Loosen the four (4) screws attaching the Preamp PCBA. Set screws, corresponding spacers and cable clamp aside.
3. Loosen the six (6) screws on the safety barrier terminal block and disconnect the spade lugs.
4. Remove the rotary selector switch by completing the following steps:
  - A. Loosen two (2) party selector knob set screws using a 1/16" Allen wrench. Note the orientation of the flat of the exposed shaft with respect to the white indicator triangle of the knob.
  - B. Using a 1/2" socket, remove the hex threaded bushing.
  - C. Remove the 7/16-20 nut. (Switch assembly should now be free from the front cover.)
  - D. Loosen the set screws from the shaft coupler.
  - E. Remove retaining ring from adapter shaft using pliers or a flat screwdriver. (Shaft should now be free from the bracket.)
  - F. Using an open-ended wrench, remove the switch nut and lock washer from the switch bushing.
5. Discard the preamp PCBA, preamp harness assembly, and the rotary selector switch. Save all other parts.



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### **Installation of New Preamp PCBA and Preamp Harness Assembly**

1. Place the new preamp PCBA on the existing spacers. Attach cable clamp around wire harness and secure to lower left corner (near Q5) of preamp PCBA using one screw.
2. Secure the preamp PCBA using the remaining three screws.
3. Secure the spade lugs to the safety barrier in accordance with the barrier label.
4. Secure the rotary selector knob by completing the following steps:
  - A. Install the hex threaded bushing into the casting using 1/2" socket.
  - B. Secure the "C" bracket to front cover by tightening 7/16 - 20 nut onto the hex threaded bushing. The opening of the "C" bracket should be facing the preamp PCBA.
  - C. Install the adapter shaft through the hole in the hex threaded busing.
  - D. Secure shaft coupler to adapter shaft by tightening shaft coupler screw to flat of adapter shaft. (Flat nearest to adapter shaft groove.)
  - E. Install retaining ring in groove of adapter shaft.
  - F. Install selector switch into "C" bracket and secure by tightening nut. Ensure that lock washer is between "C" bracket and nut.
  - G. Rotate shaft coupler so that this center line of remaining hole in shaft coupler is perpendicular to the flat of the selector switch shaft. Install and tighten remaining screw in hole to secure shaft coupler to selector switch shaft.
  - H. Install knob on selector switch shaft by tightening two (2) set screws using 1/16" Allen wrench. Ensure that white indicator triangle is in position from step 4A of disassembly procedure.
5. Replace the front cover and secure to the enclosure using the existing screws.

# 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.