



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Rigcom Harness Replacement Kit

MODELS 12504-007 AND 12504-008

Confidentiality Notice

This manual is provided solely as an operational, installation, and maintenance guide and contains sensitive business and technical information which 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

Model 12504-007 is used on Model MS3987 and MS3990. Model 12504-008 is for use on Model MS3985, MS3986, and MS3988.

NOTE: Installation of this kit must be performed in a non-hazardous location, as Rigcom units are Division 1 approved. The power to the unit must be shut down prior to removing the front cover.

This kit includes the following components:

<u>Qty</u>	<u>Description</u>
1	Bracket/Harness/Switch/Connector Assembly
1	On/Off Volume Knob
1	Push-to-Call Button (for Model 12504-008 only)
12	Bolts

You will need the following tools to install this kit:

- Allen wrench set (0.050-inch for knob)
- Open-end wrench set (5/8-inch for new hex nut)
- 2 large spade screwdrivers (for Model 12504-008 only)

Installation

Removing the Old Harness Assembly



Shut down the power to the unit.

1. Remove the front cover, and carefully unplug the harness from the printed circuit board. Discard the old bolts.
2. Using the appropriate Allen wrench, loosen the set screws of the knob on the on/off volume switch, remove and discard them (on all models).
3. *For Model MS3985, MS3986, and MS3988 only:* Using the two spade screwdrivers, pry the push-to-call button out of shaft, and discard it.
4. On the inside of the front cover, using the appropriate open-end wrench, loosen the hex nut(s) holding the bracket in place.
5. Pull the entire bracket/harness/switch/connector assembly straight out from the front cover, and discard it.

Installing the New Harness Assembly

1. Push the entire bracket/harness/switch/connector assembly straight into the front cover. See Figure 1 for orientation.
2. Tighten the hex nut(s) to the bushing(s) in the front cover using the $\frac{5}{8}$ -inch open-end wrench. See Figure 2.
3. Attach and tighten the knob onto the on/off volume switch.
4. *For Model MS3985, MS3986, and MS3988 only:* Push the button into the shaft of the push-to-call switch until the button hits the shaft.

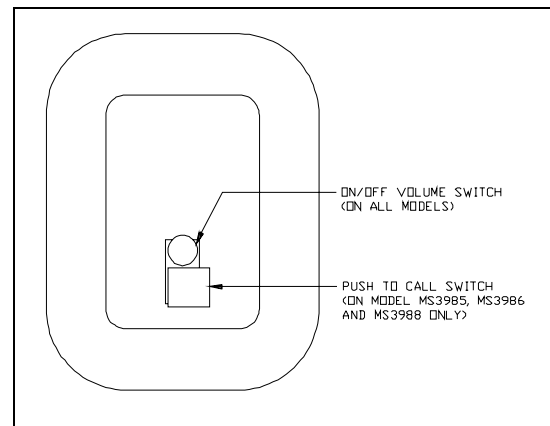


Figure 1. Inside Front Cover

5. Plug the connector into the printed circuit board, and attach the front cover to the unit with the new bolts. Make sure that the ribbon cable is not pinched. Tighten the bolts to 30 foot-pounds.

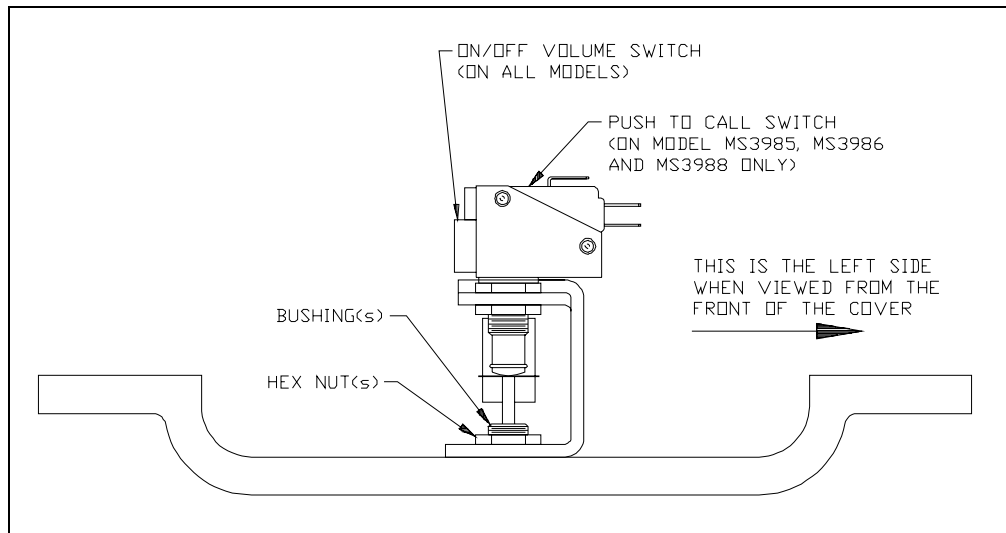


Figure 2. Bottom Edge View

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.