



**GAI-TRONICS®**  
A HUBBELL COMPANY

# Handset Kit for Hazardous Area ICS and SP2 Stations

## Model 12514-3xx

### Confidentiality Notice

This installation, operation, and maintenance manual 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. Use this information only in connection with the operation of your GAI-Tronics product or system. Do not disclose this manual in any form, in whole or in part, directly or indirectly, to any third party.



### General Information



The Model 12514-3xx Handset kit is for replacing the PVC or Hytrel® coil cord assembly in hazardous area ICS and SP2 stations.

The kits include the following components:

Qty	Kit Model No.	Description
1	12514-301	Handset assembly with 6-foot PVC coil cord and brass bushing
1	12514-302	Handset assembly with 15-foot PVC coil cord and brass bushing
1	12514-303	Handset assembly with 25-foot PVC coil cord and brass bushing
1	12514-304	Handset assembly with 6-foot Hytrel® coil cord and brass bushing
1	12514-305	Handset assembly with 15-foot Hytrel® coil cord and brass bushing
1	12514-306	Handset assembly with 25-foot Hytrel® coil cord and brass bushing
1	12514-311	Handset assembly with 6-foot PVC coil cord and nickel-plated brass bushing
1	All kit models	Red fiber washer for bushing
3	All kit models	Screw, 6-32 × 5/16-inch PHMS

### Installation

 **WARNING**  —Remove all power from the station before performing any of the following settings and adjustments.

 **WARNING**  —To reduce the risk of hazardous atmospheres, disconnect the equipment from the supply circuit before making any adjustments to the amplifier's handset level.

## Open the Station

Remove all cover bolts from the enclosure. Swing the front door open to access the internal PCBA's (see [Figure 1](#) or [Figure 2](#)).

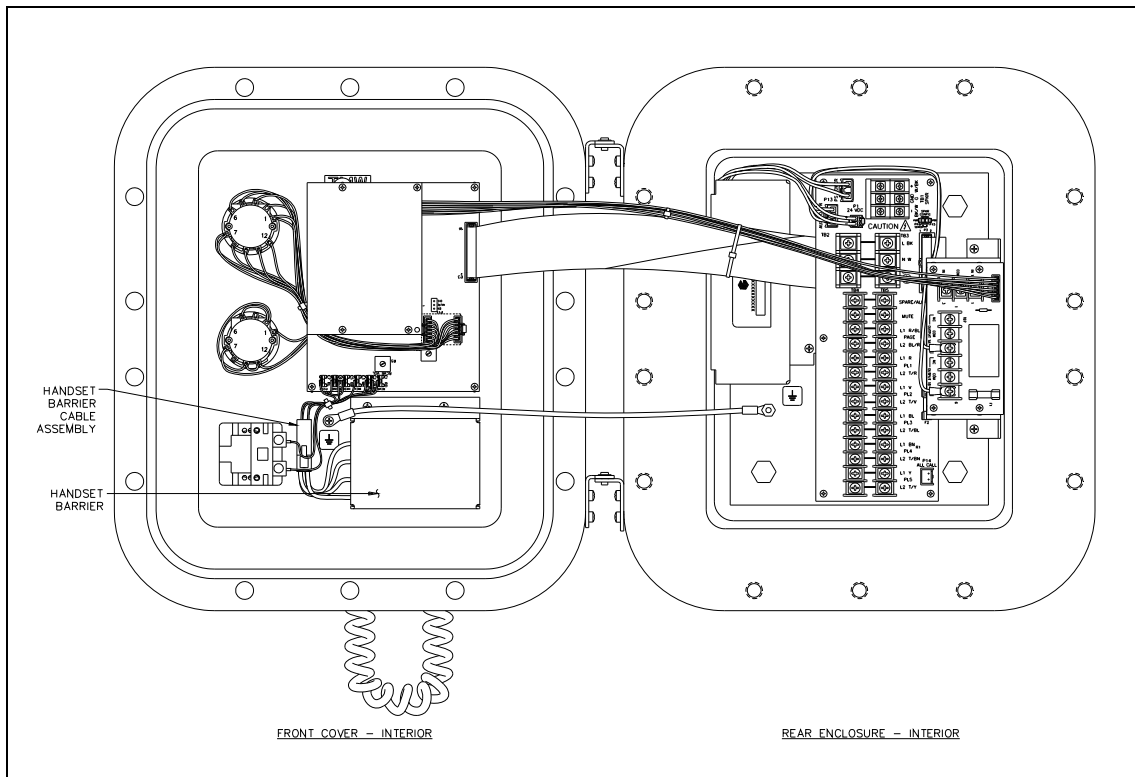


Figure 1. ICS Hazardous Area Station—Interior View

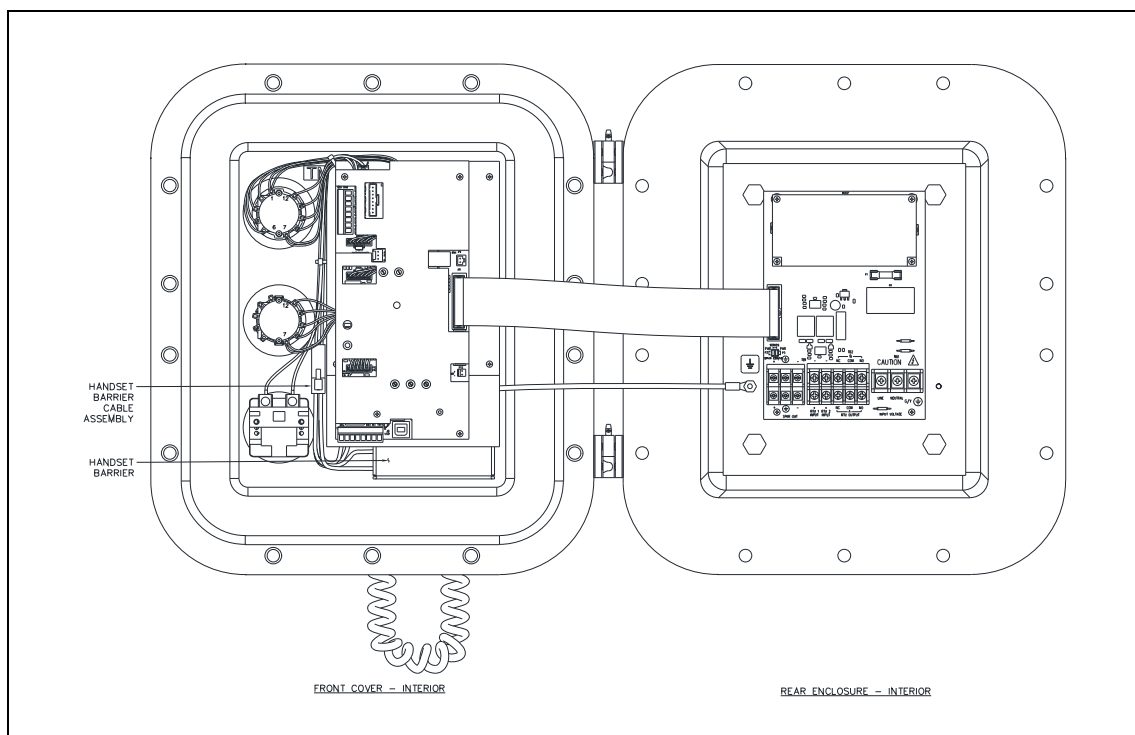


Figure 2. SP2 Hazardous Area Station—Interior View

## Remove the Old Handset Assembly

1. Unplug the handset barrier from the handset barrier cable assembly.
2. Remove the two screws holding down the handset barrier.
3. Carefully rotate the handset barrier to the side to access the handset wires inside of the barrier.
4. Unscrew the wires on the terminal block inside of the barrier and remove the four attached wires.
5. On the front of the enclosure, remove the screw preventing the coil cord bushing from rotating.
6. Unscrew the handset coil cord bushing from the front of the enclosure.

## Install the New Handset Assembly

1. Place the red fiber washer onto the new coil cord bushing and screw the assembly into the front of the enclosure (see [Figure 3](#)).

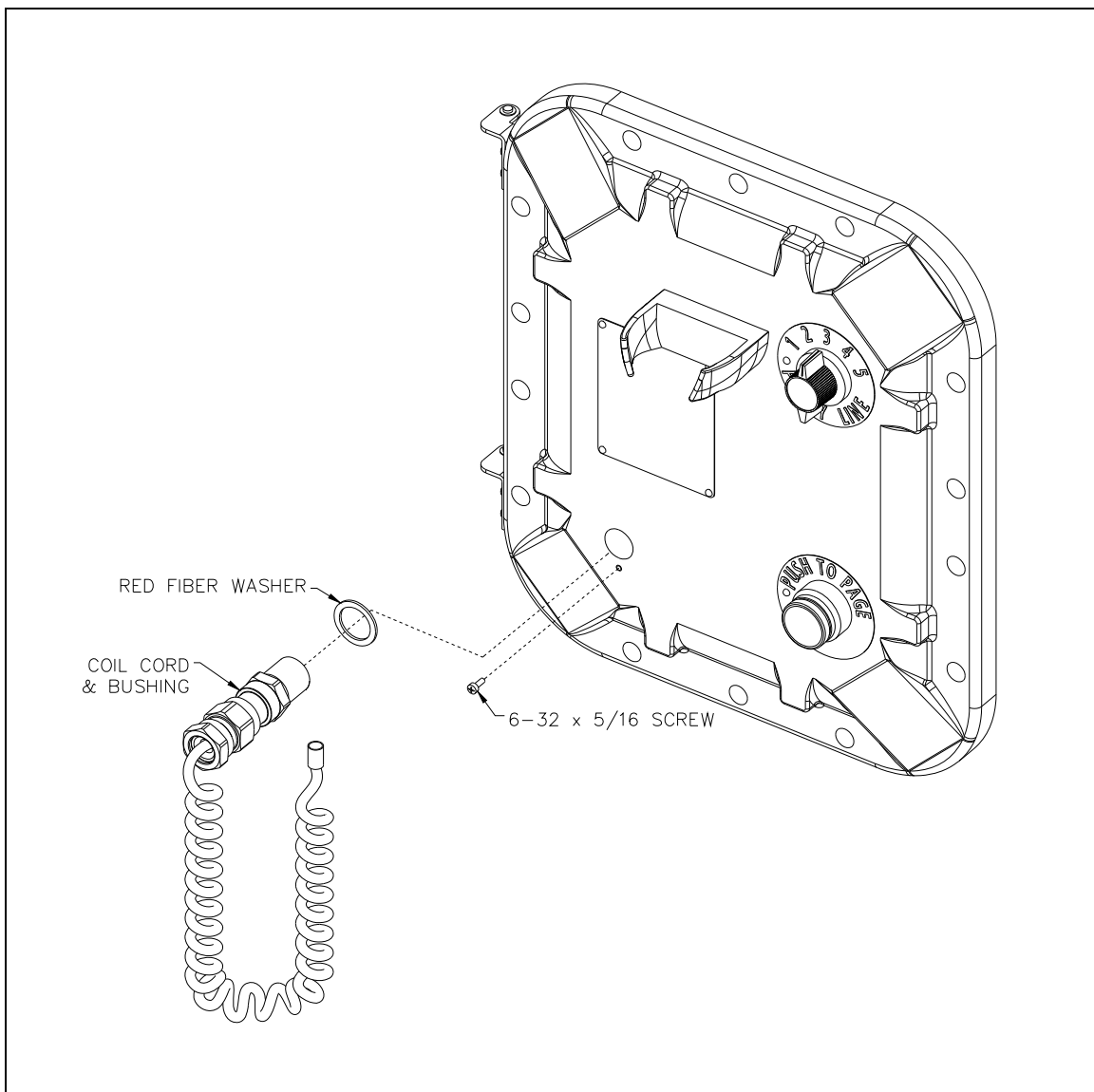


Figure 3. ICS/SP2 Hazardous Area Station—Front View

2. Screw in the 6-32 × 5/16-inch PHMS to prevent the bushing from rotating.

3. Re-attach the wires from the handset and coil cord to the handset barrier (see Figure 4).

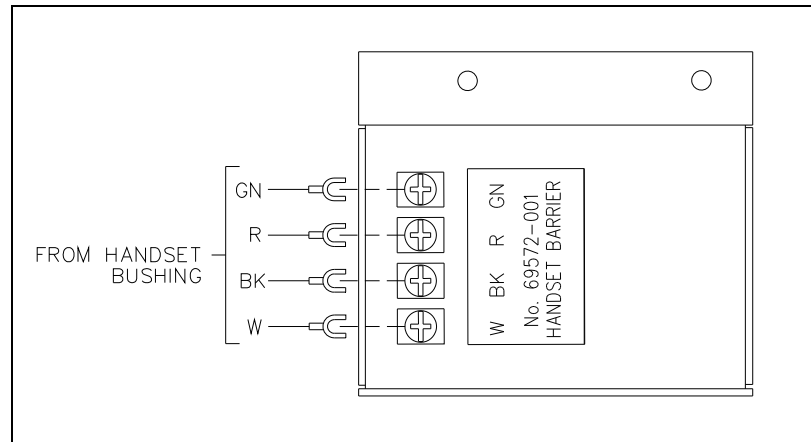


Figure 4. Handset Barrier Connections

4. Re-attach the handset barrier to the enclosure with the two screws previously removed.
5. Reconnect the handset barrier to the handset barrier cable assembly.

## Attach the Front Cover

After all connections are complete:

1. Inspect and clean the machined flange joint surfaces of both the cover and the box.  
Surfaces must be smooth, free of nicks, scratches, dirt, or any foreign particle build-up that would prevent a proper seal. Surfaces must seat fully against each other to provide a proper explosion-proof joint.
2. Clean both surfaces by wiping with a clean lint-free cloth.
3. Apply a light coat of Killark “LUBG” lubricant to flange surfaces and close the cover.
4. Install and tighten all cover bolts to 30 ft-lbs.  
Do not omit any cover bolts. Use only those bolts supplied with the enclosure.
5. Reapply power to the station.

## Reference Documents

Refer to the following complete publications for the ICS and SP2 hazardous area stations. GAI-Tronics publications are available on our website at <http://www.hubbell.com/gai-tronics/en>.

ICS Hazardous Area Page/Party Station.....	42004-723
SP2 Hazardous Area Handset/Speaker Amplifier Station .....	42004-782

# 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.

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## 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.