



GAI-TRONICS® CORPORATION  
A HUBBELL COMPANY

# Phone Line Surge Suppressor Kit

Model 12576-120

## Confidentiality Notice

This manual is provided solely as an operational, installation, and maintenance guide and 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, 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

The Model 12576-120 Phone Line Surge Suppressor Kit consists of a single Part No. 61504-114 surge suppressor assembly, which provides extra protection against electrical surges occurring on the in-coming phone line. This kit is designed for use on GAI-Tronics telephones in the series listed below:

- 226-003 and 227-003 Series
- 276-003 and 277-003 Series
- 293AL and 294AL Series
- 297 and 298 Series

## Safety Guidelines

**⚠ CAUTION ⚠** These servicing instructions are for use by qualified personnel only.

**To avoid electric shock do not perform any servicing other than that contained in the Operating Instructions unless you are qualified to do so. Refer to all servicing to qualified service personnel.**

When installing any GAI-Tronics telephone equipment, please adhere to the following guidelines to ensure the safety of all personnel:

- Do not install telephone wiring during a lightning storm.
- All telephone models must be properly connected to earth ground to protect personnel and to minimize the effects of any electrostatic discharge (e.g. lightning). Please note proper grounding does not eliminate the need for lightning protection for the telephone or the telephone system.
- Install a UL Listed lightning arrester on any phone installed where the phone or phone cable is at risk of being exposed to lightning strikes. The lightning arrester must be installed as close to the phone as possible to maximize the protection. It must not be installed within the enclosure supplied with the phone. Please consult our Service Center at 800-492-1212 for further information.
- Do not install telephone jacks in wet locations unless the jack is specifically designed for wet locations. Do not touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

**⚠ CAUTION ⚠**

- This kit is intended for additional telephone protection only!
- This kit is not intended to substitute for primary or secondary protectors.
- This kit is not intended to replace the UL Listed lightning arrester that your system should have installed directly outside the telephone enclosure.

# Installation

Refer to Figure 1 and Figure 2 when installing the surge suppressor.

1. Open the phone to access the phone PCBA and its phone line terminal block, TB1.
2. Loosen the screw terminals at TB1-1 (TIP - green wire) and TB1-2 (RING - red wire).
3. Insert the surge suppressor prongs beneath these screw terminals alongside the red and green wires. Tighten both terminal screws. See Figure 1.
4. Loosen the PCBA mounting screw and insert the surge suppressor spade lug beneath it. Tighten the mounting screw.
5. Close the phone and re-connect the modular connector. Verify the phone is in working order.

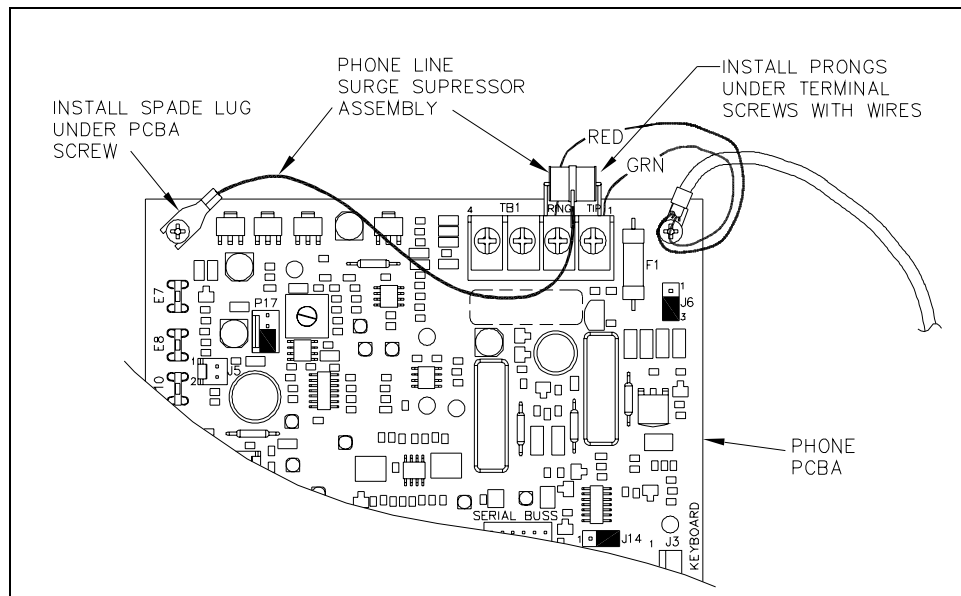


Figure 1. Phone line surge suppressor in place on phone PCBA

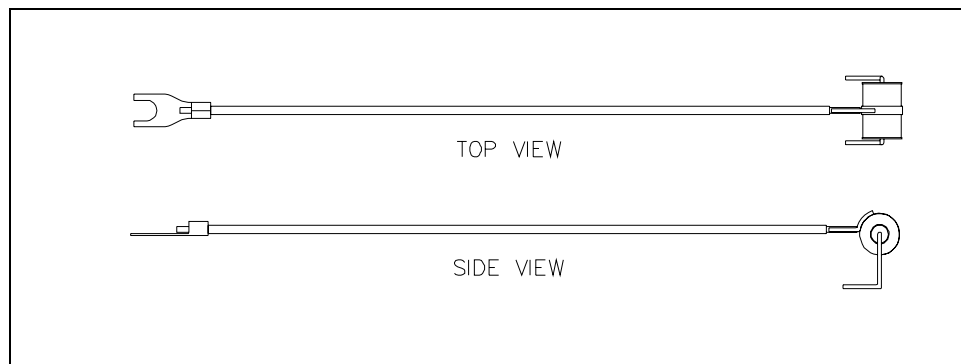


Figure 2. 61504-114 Surge Suppressor Assembly

# 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.