



GAI-TRONICS® CORPORATION

A HUBBELL COMPANY

Phone Line Surge Suppressor Kit

Model 12576-120

Confidentiality Notice

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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.

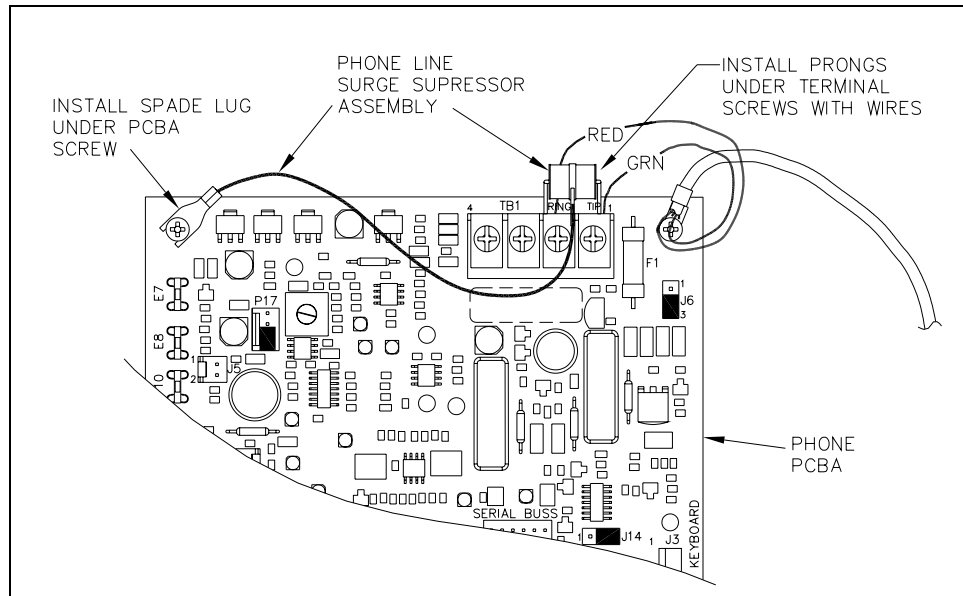


Figure 1. Phone line surge suppressor in place on phone PCBA

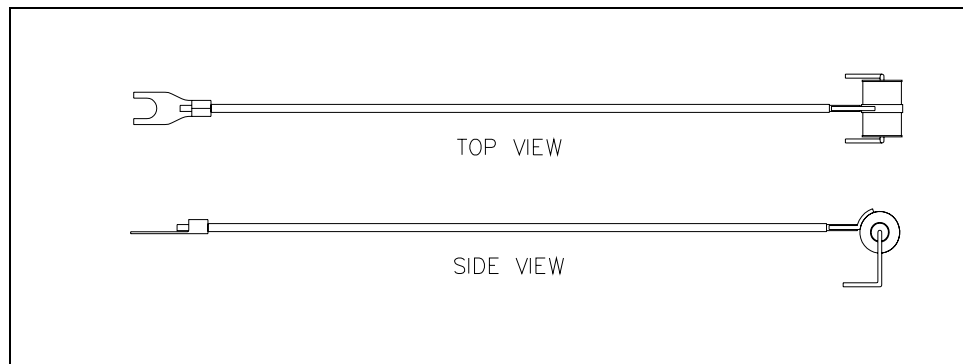


Figure 2. 61504-114 Surge Suppressor Assembly