



GAI-TRONICS®
A HUBBELL COMPANY

Round, Black, Single-Pole Push-Button Assembly Replacement Kit for 200 and 300 Series Telephones

MODEL 12520-013

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General Information

The Model 12520-013 Kit is intended for use on GAI-Tronics 200 and 300 Series standard telephones (-001 and -002). This kit can be used to replace the black push-button assembly used on the Model 294AL, 298, 392, 2394AL, 396, and 398 Telephones.

Kit Components

Qty.	Description	Required Tools
1	Push-button Switch Assembly	<ul style="list-style-type: none"> • #1 Phillips Screwdriver
1	Mounting Nut	<ul style="list-style-type: none"> • 1/8-inch Straight Slot Screwdriver
1	Mounting Ring	<ul style="list-style-type: none"> • Model 233-001 Security Screwdriver
1	Tie Wrap	<ul style="list-style-type: none"> • Wire Cutters

Model 294AL and 394AL Series Telephones

Removing the Old Push-Button Assembly

1. Use a Model 233-001 Security Screwdriver to loosen the four front cover screws. Save the screws for re-assembly.
2. Lift the front cover assembly away from the back box.
3. Disconnect the telephone line cord, and strobe wire, if applicable.

4. Place the front cover assembly face down on a flat surface.
5. Use the wire cutters to snip the tie wrap that is securing the push-button assembly cable to the other wires.
6. Unplug the push-button assembly cable connector from the PCBA. Be sure to note the location of the connection for re-assembly.
7. Remove #4-40 screws securing PCBA to standoffs using #1 Phillips screwdriver. Pull the PCBA away.
8. Using the appropriate screwdriver, loosen the anti-rotation screw on the mounting nut. See Figure 1.
9. Remove and discard the mounting nut, the mounting ring, and the push-button assembly.

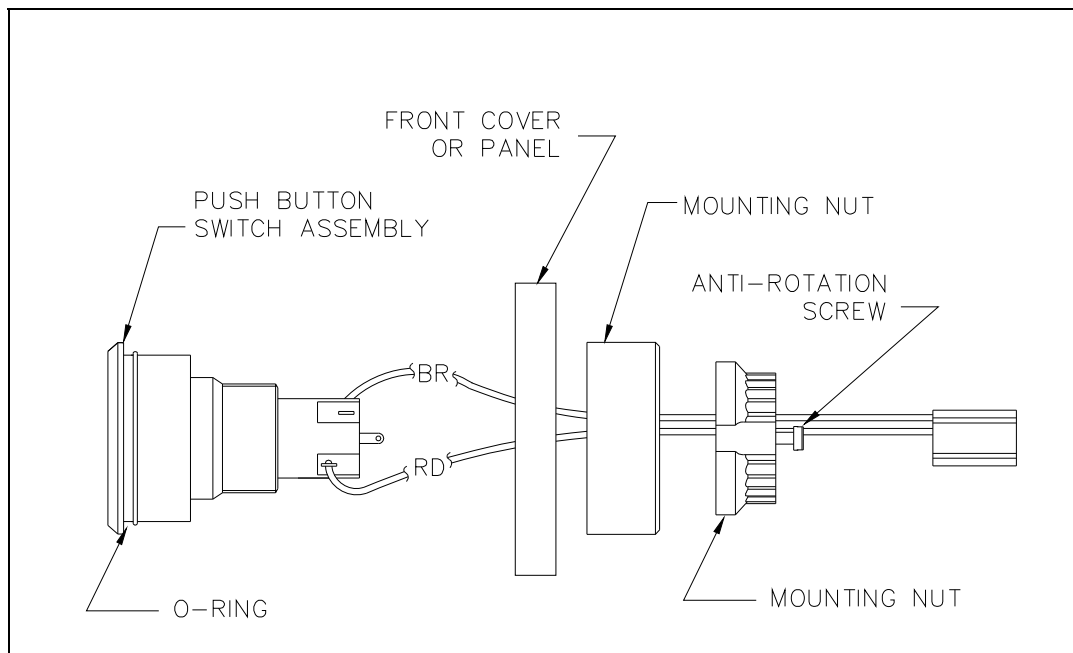


Figure 1. Push-Button Switch Assembly, Exploded View

Installing the New Push-Button Assembly

1. From the front side of the panel, push the new push-button assembly through the hole. See Figure 1.
2. Secure the push-button assembly to the front cover using the mounting ring and the mounting nut. See Figure 1.
NOTE: Ensure that the O-ring seal is in its proper location, as shown in Figure 1.
3. Tighten the anti-rotation screw on the mounting nut.
4. Use the enclosed tie wrap to secure the push-button assembly cable to the other wires, and attach to the anchor.
5. Replace the #4-40 screws that secure the PCBA to the standoffs.
6. Plug the push-button assembly cable into the PCBA at the proper location noted earlier.
7. Reconnect the telephone line cord, and strobe wires, if applicable.
8. Align the front cover with the rear enclosure, and use the Model 233-001 Security Screwdriver to secure four front cover screws (previously saved).

Model 298, 392, 396, and 398 Series Telephones

Removing the Old Push-Button Assembly

1. Use a Model 233-001 Security Screwdriver to remove the six front panel screws. Save the screws for re-assembly.
2. Lift the front panel assembly away from the back box approximately 6 to 8 inches.
3. Unplug the telephone line cord from the modular block in the back box, and disconnect the strobe wires, if applicable.
4. Remove the front panel assembly, and place it face down on a flat surface.
5. Use the wire cutters to snip the tie wrap that is securing the push-button assembly cables to the other wires.
6. Unplug the push-button assembly cable from the PCBA. Be sure to note the location of the connection for re-assembly.
7. Using the appropriate screwdriver, loosen the anti-rotation screws on the mounting nut.
8. Remove and discard the mounting nut, the mounting ring, and the push-button assembly.

Installing the New Push-Button Assembly

1. From the front side of the panel, push the new push-button assembly through the hole. See Figure 1.
2. Secure the push-button assembly to the panel using the mounting ring and the mounting nut. See Figure 1.

NOTE: Ensure that the O-ring seal is in its proper location, as shown in Figure 1.

3. Tighten the anti-rotation screws on the mounting nut.
4. Plug the push-button assembly cable into the PCBA at the proper location.
5. Use the enclosed tie wrap to secure the push-button assembly cable to the other wires.
6. Plug the telephone line cord into the modular block in the back box, and reconnect the strobe wires if applicable.
7. Align the front cover with the rear enclosure, and use the Model 233-001 Security Screwdriver to secure six front panel screws (previously saved).

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.

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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.