



GAI-TRONICS®
A HUBBELL COMPANY

EZ Page Amplifier PCBA Replacement Kit

Models 12702-001 (AC) and 12702-002 (DC)

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General Information

The Model 12702-001 (AC) Amplifier Printed Circuit Board Assembly (PCBA) Replacement Kit is used with the following EZ Page Intercom models: GC-AC1 and GC-AC2. The Model 12702-002 (DC) Amplifier PCBA Replacement Kit is used with the Model GC-DC1 EZ Page Intercom. Each kit consists of the PCBA only—no other parts are required.

Required Tools

- #1 Phillips screwdriver
- #2 Phillips screwdriver
- 5/8-inch wrench
- 1/2-inch wrench
- .078-inch (5/64 inch) hex allen wrench

Removing the Defective PCBA



WARNING

Disconnect power from the unit before opening or servicing the unit.

1. Disconnect power to the unit.
2. Using the #2 screwdriver, remove the six front panel screws that secure the front cover to the housing.
3. Slowly pull the front cover assembly from the rear housing—do not stress the attached wires.
4. Carefully disconnect the following connectors from the printed circuit board assembly (PCBA): P1, P2, P3, and P4.
5. Remove the fuse (F1) from its holder and retain.

6. Using the #1 screwdriver, remove the screw that secures the fuseholder to the mounting bracket and retain.
7. Carefully pull the front cover assembly away from the enclosure.
Note the location of the speaker volume/on-off switch (R1/SW1) and Listen/Talk switch (SW2) for reinstallation.
8. Ensure that the speaker volume/on-off switch (R1/SW1) is turned fully counter clockwise to the off position.
9. Using the hex allen wrench, loosen the two screws that secure the knob. Remove knob and retain.
10. Using the 5/8-inch wrench, remove the sealing nut holding the Listen/Talk switch to the front cover and retain.
11. Using the 1/2-inch wrench, remove the sealing nut holding the speaker volume/on-off switch (R1/SW1) to the front cover and retain. **NOTE:** This will allow separation of the front cover from the PCBA's heatsink plate.
12. Carefully remove the speaker volume/on-off switch (R1/SW1) and Listen/Talk switch (SW2) from the back of the PCBA's heatsink plate, noting their location and orientation for reinstallation.

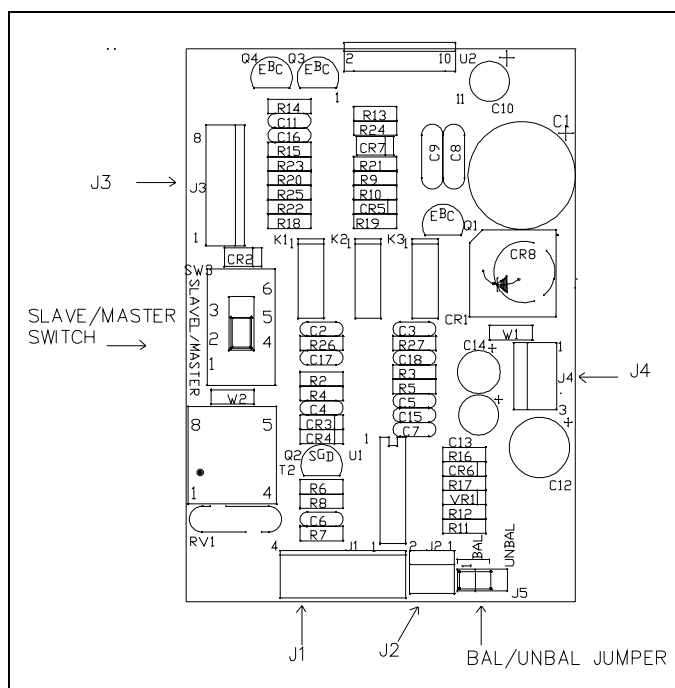


Figure 1. PCBA switch/jumper location
(Factory settings shown)

Installing the New PCBA

1. Before installing the new PCBA, modify the new PCBA's SLAVE/MASTER switch and the BAL/UNBAL jumper settings to match the old PCBA's settings, if necessary. Refer to Figure 1.
2. Place the new PCBA's heatsink plate and front cover together.
3. Reinstall the speaker volume/on-off switch (R1/SW1) through the heatsink plate and through the front cover. Ensure that the associated anti-rotation pin is properly inserted into the locking notch and the attached wires are positioned towards the fuse holder location. Refer to Figure 2.
4. Push the small panel sealing nut over the speaker volume/on-off switch's shaft and lightly tighten against the front cover.

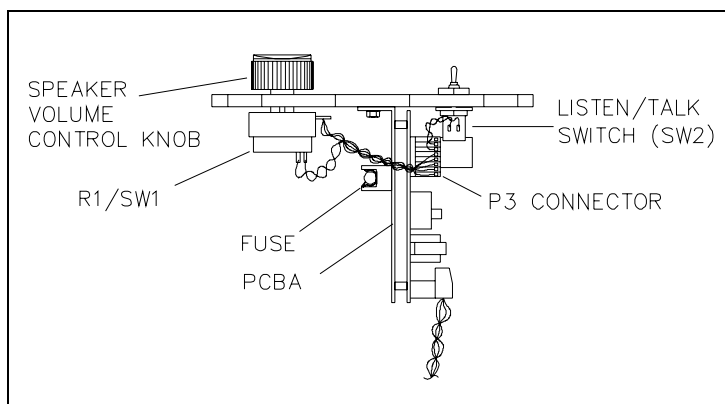


Figure 2. Outline Diagram

5. Ensure that the Listen/Talk switch's supplied hex nut is screwed tightly against the switch body and the anti-rotation ring (locking tab facing the heatsink plate) is positioned correctly before reinstalling.
6. Reinstall the Listen/Talk switch through the heatsink plate and front cover. (Orient the bat handle toward the LISTEN position as indicated on the front panel label.
7. Push the sealing nut over the bat handle and tighten against the front cover.
8. Tighten the speaker volume/on-off switch's sealing nut against the front cover.
9. Reinstall the fuseholder to the mounting bracket with the screw previously removed. Refer to Figure 2.
10. Reinstall the fuse (F1) into its holder.
11. Carefully reconnect the following connectors to the PCBA (refer to Figure 1:

P1	to	J1
P2	to	J2
P3	to	J3
P4	to	J4
12. Carefully reinsert the front cover assembly into the units' housing. Use caution to not pinch any wires between the front cover and the housing.
13. Reinstall the six front cover screws and tighten securely.
14. With the speaker volume on-off switch fully counterclockwise, reattach the knob. Position the knob's *white dot* adjacent to the *off dot* on the front panel label and retighten both set screws.
15. Reapply power and check for proper operation.