



**GAI-TRONICS® CORPORATION**

A HUBBELL COMPANY

# RF Call Box Adapter Kit for Kenwood 170 Series Portable Radio

**Model 190-3170K**

## Confidentiality Notice

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## General Information

The Model 190-3170K RF Call Box Adapter Kit for Kenwood Radio 3170 is intended for use with GAI-Tronics Model CB193-003, CB194-003, and CB195-003 RF Call Boxes. This kit includes the following components:

| Qty | Description                       |
|-----|-----------------------------------|
| 1   | Mounting bracket                  |
| 1   | Velcro strap                      |
| 1   | Battery eliminator with connector |
| 1   | Interface cable assembly          |
| 2   | Screws #6-32 × 5/16 inch          |
| 2   | Rubber bump-ons                   |
| 1   | Programming CD, Kenwood DAT files |

# Installation

## Attaching the Mounting Bracket

1. Remove the four screws from the front of the enclosure using a Torx T-25 security bit. Open the front cover to the left and pull straight out until the hinge pins separate from the rear section. Set the front cover of the enclosure aside.  
**NOTE:** The Model CB195-003 uses six mounting screws and does not have hinges on the front panel.
2. Loop the Velcro strap through the slots on the mounting bracket. Attach the supplied rubber bump-ons to the upper right and left corners of the bracket.
3. Attach the mounting bracket to the lower left enclosure embossments as shown in Figure 2.  
**NOTE:** In Model CB195-003, discard the bracket and loop the Velcro strap directly into the back box slots.

## Programming the Kenwood 170 Series Radio

Refer to the RF Call Box Installation and Operation Manual, Pub. 43004-031, for complete programming instructions. Pre-program the portable prior to installing into the call box.

## Wiring Connections

4. Connect the battery eliminator to the customer-supplied Kenwood radio. Secure the radio using the Velcro strap.
5. Connect the DB15 side of the interface cable to the RF control PCBA (located inside the front cover of the call box). Plug the dual 2.5/3.5-mm audio plug into the socket of the Kenwood radio. Connect the battery eliminator plug and the interface cable receptacle. See Figure 1.

⚠ Note ⚠ **Observe polarity.** Red to red and black to black.



Figure 1. Cable Assembly

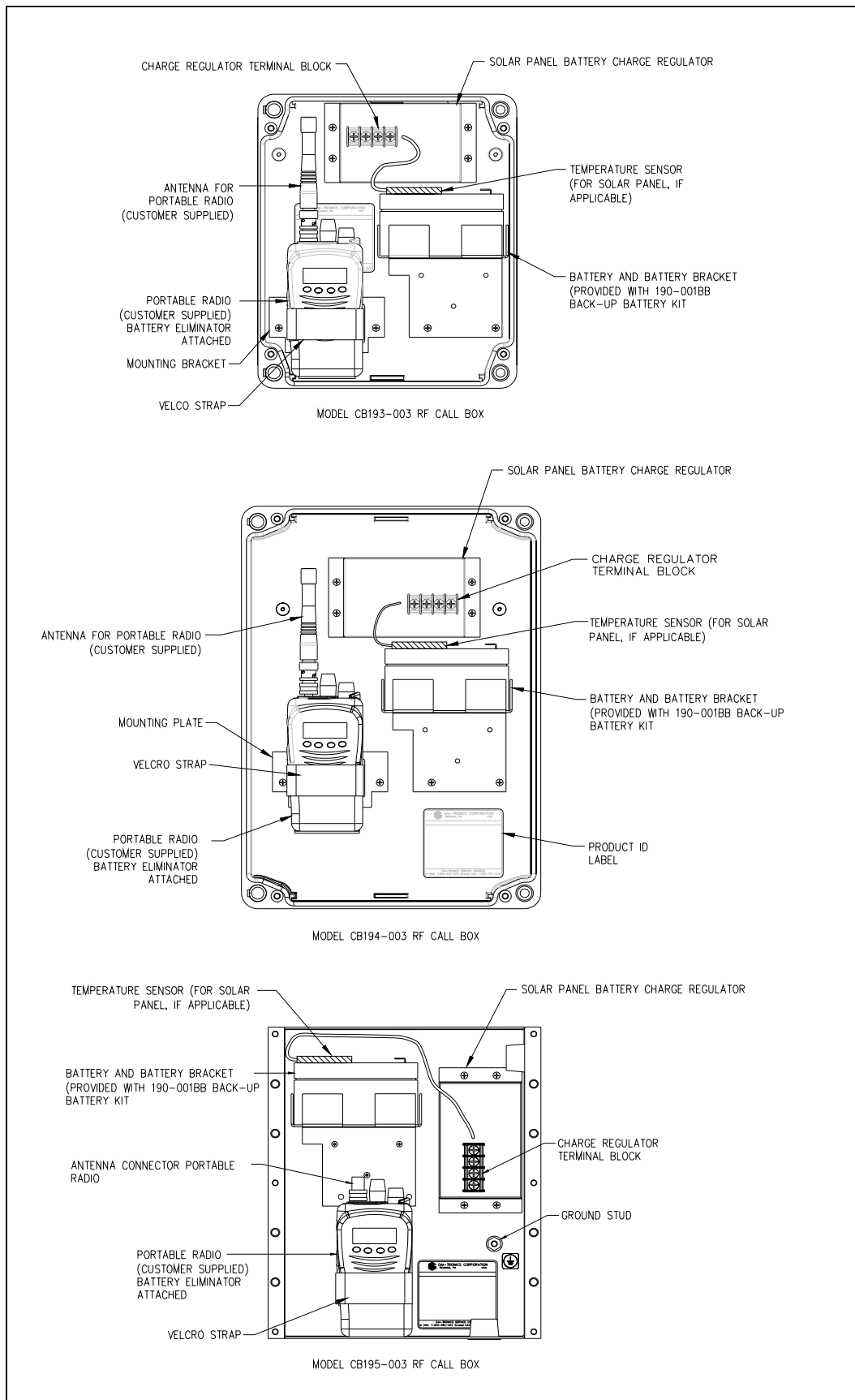


Figure 2. Models CB193-003, CB194-003, and CB195-003

6. Dress cables as shown in Figure 3 to avoid signal interference.

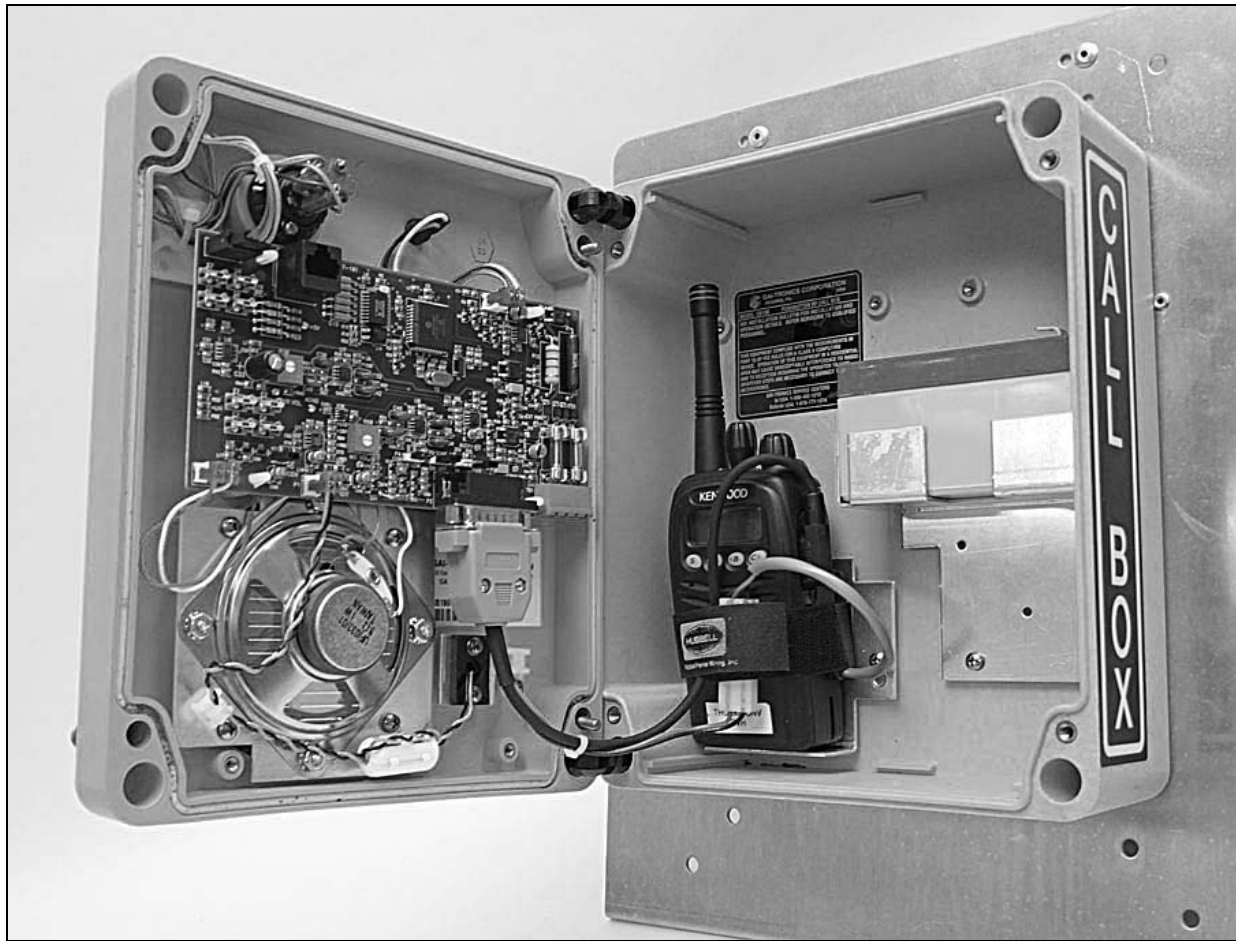


Figure 3. Interior of the Call Box

7. Re-insert the front cover hinges into the rear section and close the cover, making certain to avoid pinching wires between the cover and rear section. Tighten the four screws until the cover meets the rear section.