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Diebold Audio to BavSonic Audio Upgrade Manual

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Diebold Audio to BavSonic Audio Upgrade

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Audio Upgrade Overview

The Diebold to BavSonic Audio Upgrade Kit is designed to replace the Diebold One-on-One audio system with a Bavis BavSonic audio while maintaining the Diebold wiring harness and lighted call button.

Because this system uses the existing Diebold wiring harness and connectors, there is no wire to run or holes to cut. Installation is quick and easy!

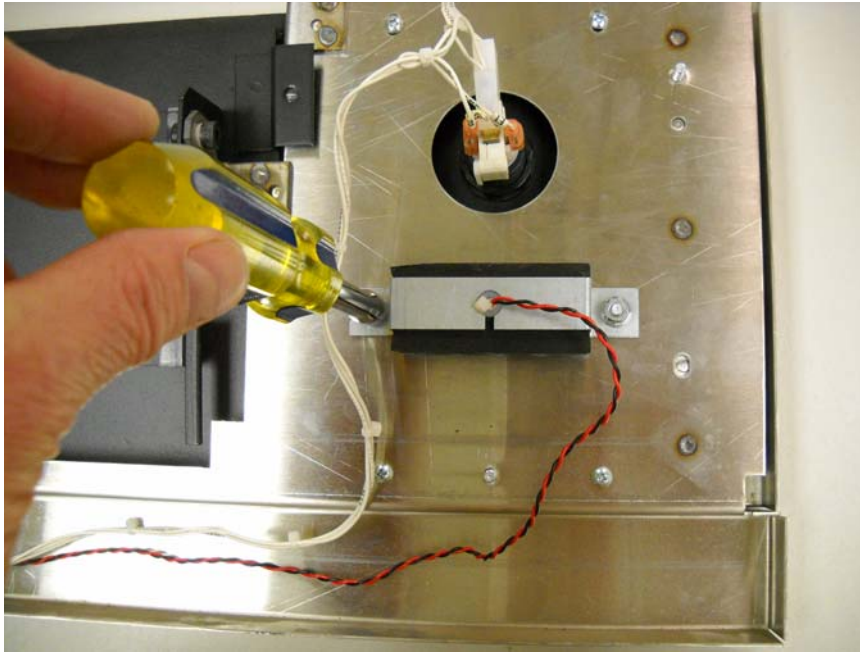
This product sells for less than the Diebold Audio system and is available via FedEx next day if you don't have it in your inventory. So, this upgrade is available, less costly and easy to install! What more could one ask for?

If you have any questions regarding the installation of this product, please contact E. F. Bavis and Associates, Inc. at [513/677-0500](tel:5136770500) or [800/937-3322](tel:8009373322), and ask for the Audio Technical Support department.

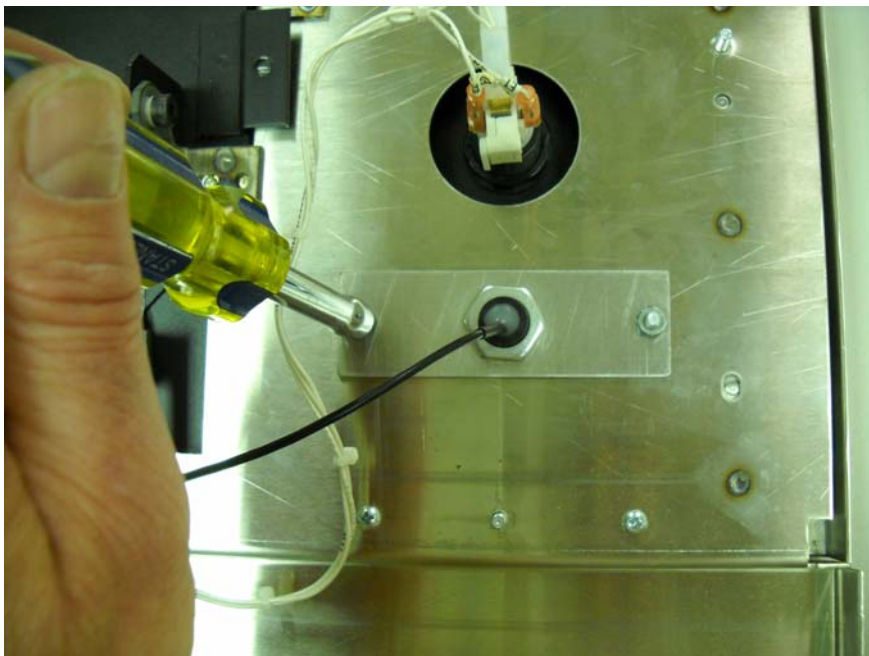
Installing the New Customer Microphone

(Note: The panel has been removed for better visibility)

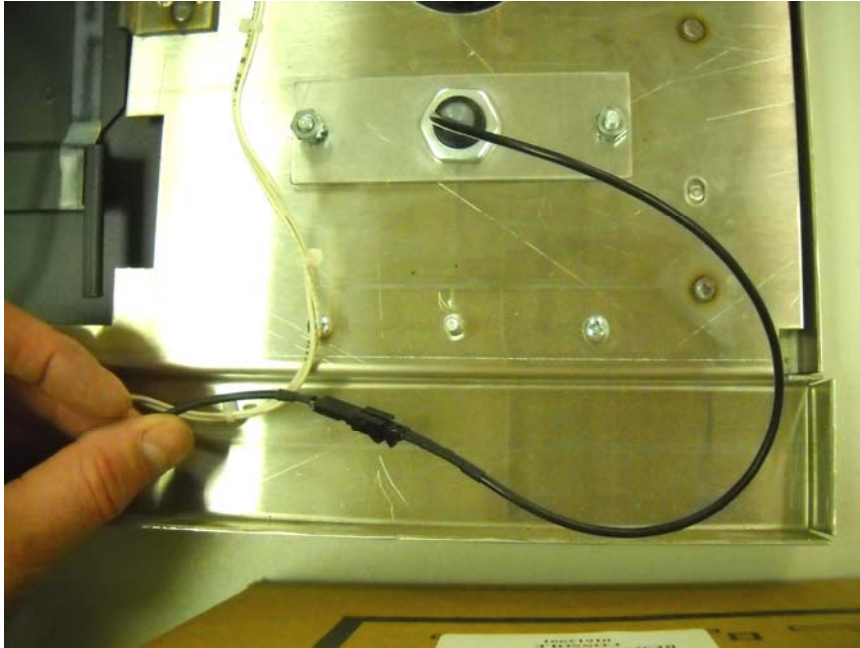
1. Access the incoming microphone. This is usually under the drawer's countertop, to the right of the drawer and mounted to the back of the customer audio panel.
2. Remove the nuts holding the Mic to the panel.



3. Place the new microphone and its mounting plate over the studs and re-install the retaining nuts.



4. Connect the Mic Extension Cable to the mic leads and route cable through the drawer over to the customer audio board/speaker housing. (It is best to follow the same path as the old microphone wiring.)



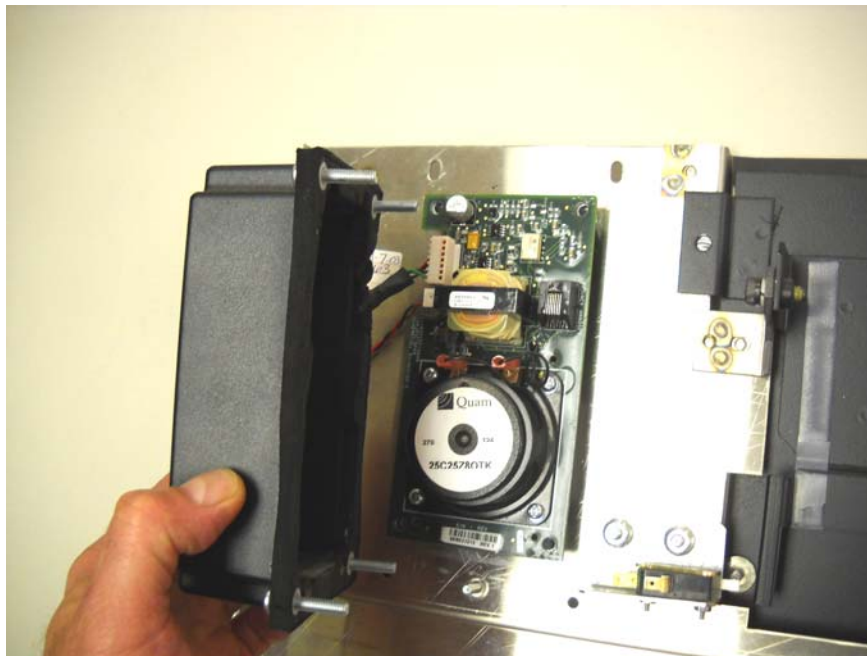
BaySonic Audio Board & Speaker Installation Instructions

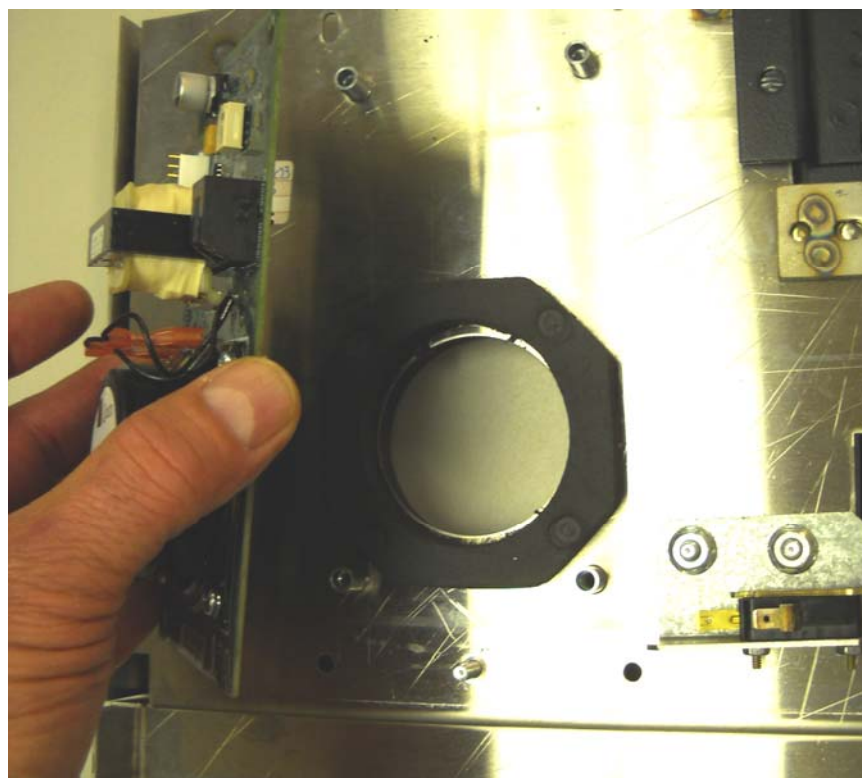
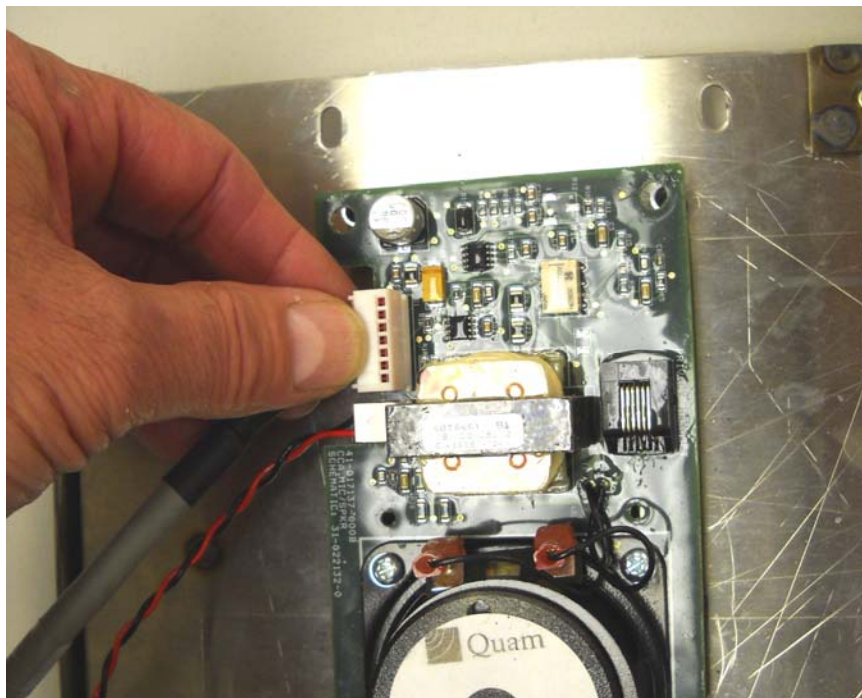
(Note: The panel has been removed for better visibility)

1. Access the outgoing audio board and speaker. This is usually under the drawer's countertop, to the left of the drawer and mounted to the back of the customer audio panel.

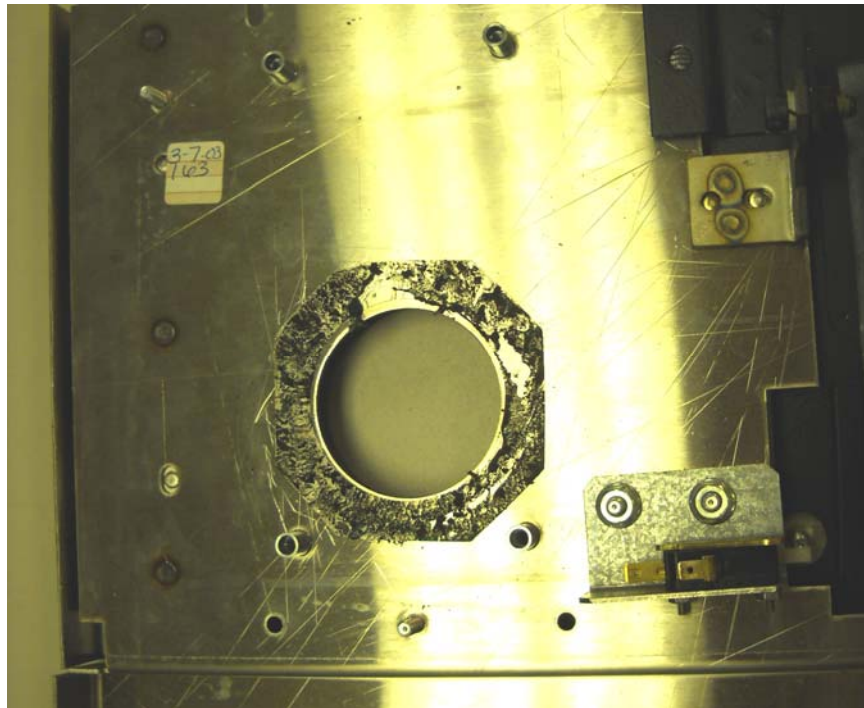


2. Remove the audio board cover, disconnect the wiring, and then remove the audio board/speaker assembly.



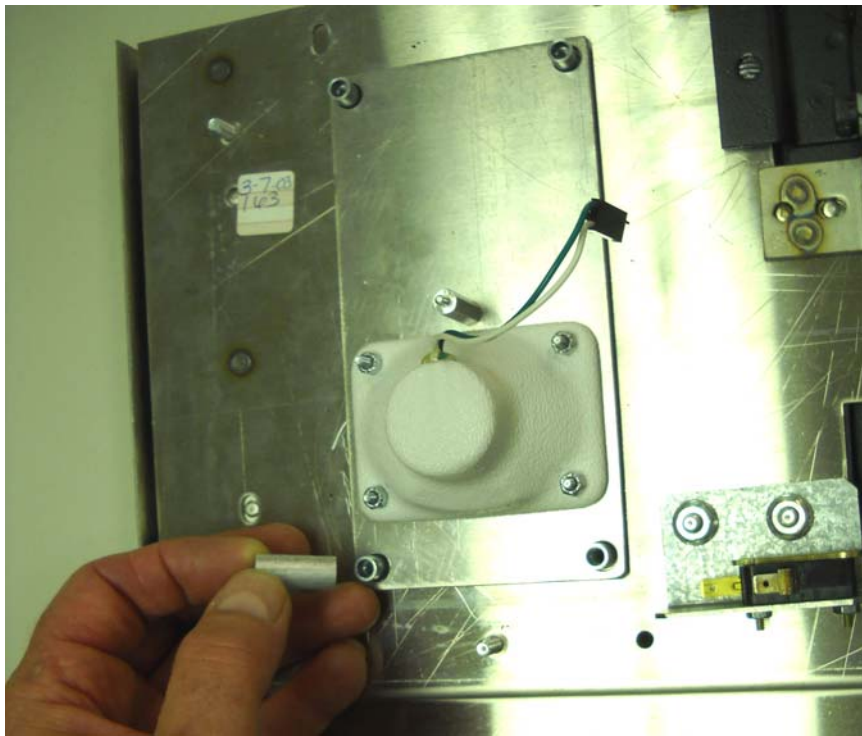
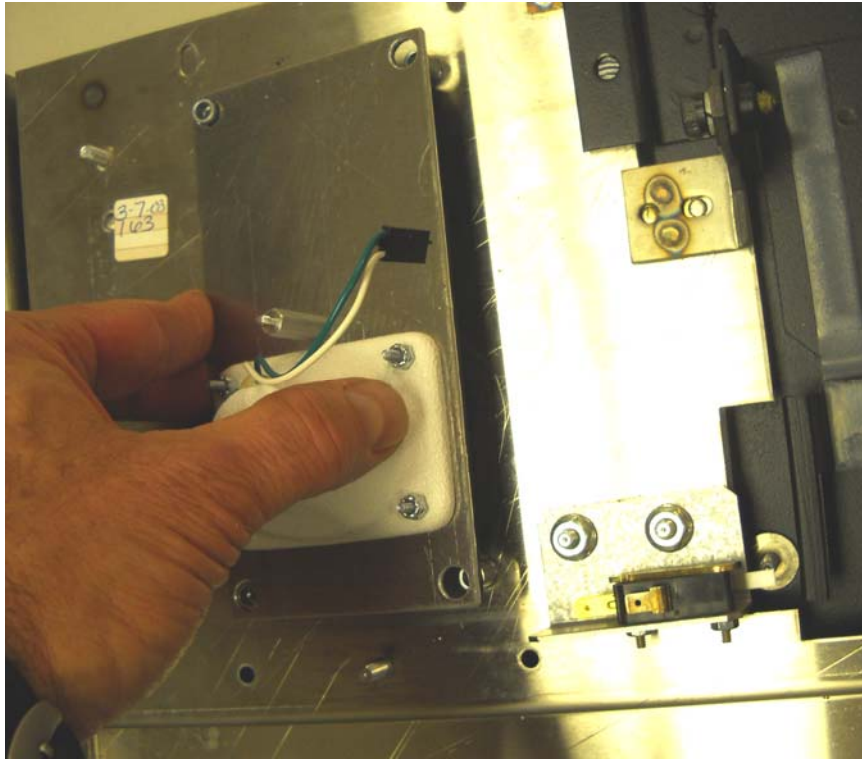


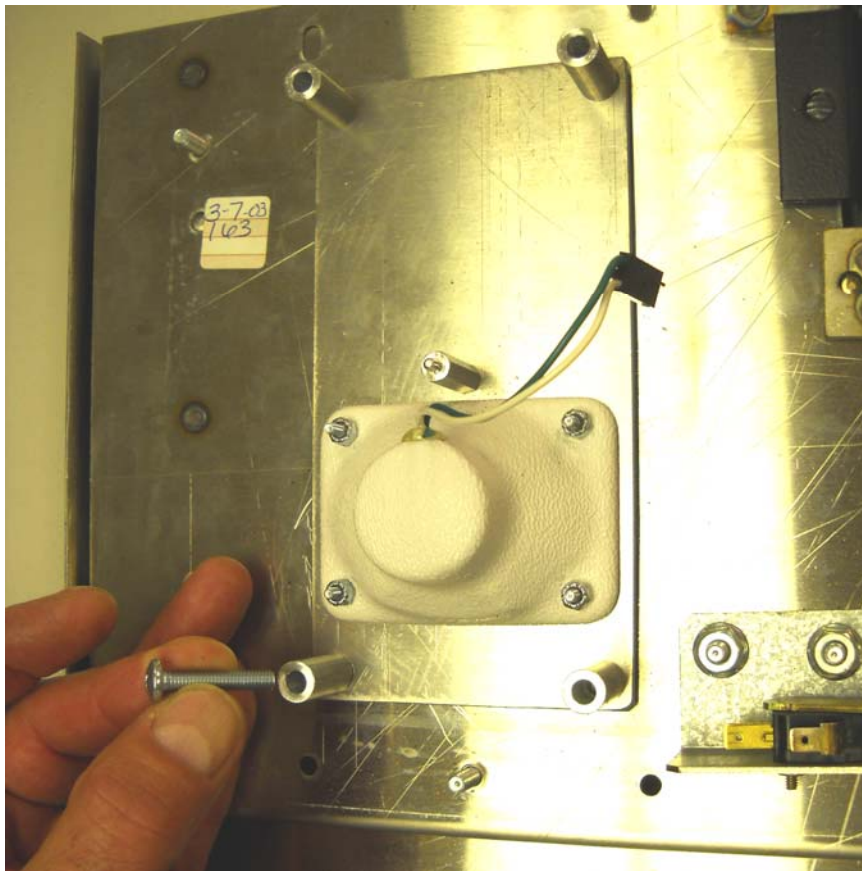
3. Remove the speaker gasket from the Diebold panel.



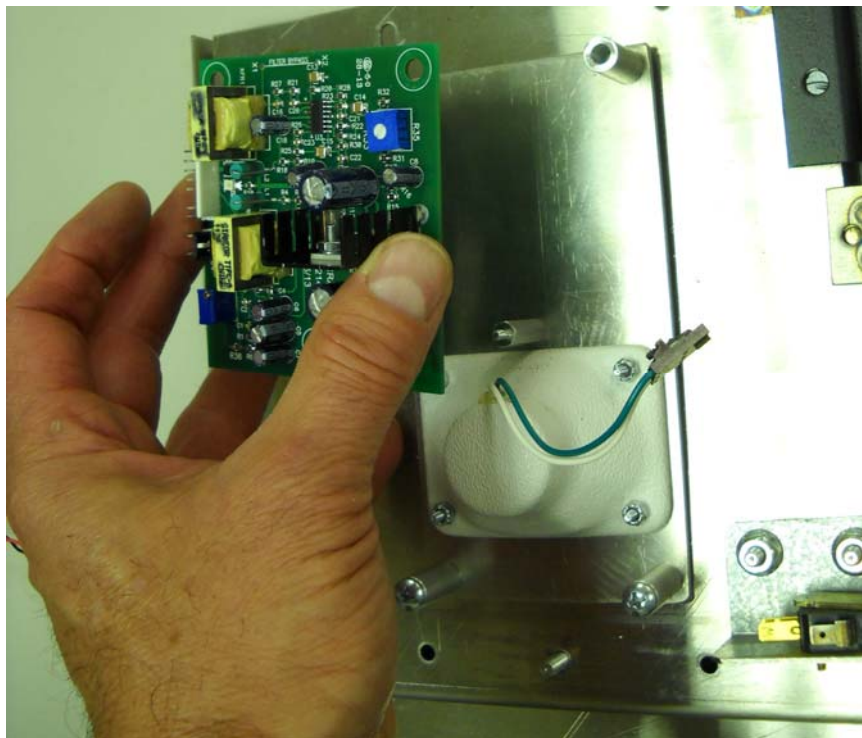
4. Apply the 3-1/8" x 6" gasket supplied, to the flat side of the BavSonic audio board/speaker mount, if it is not already installed. NOTE: Be careful that the gasket does not overlap any of the holes.

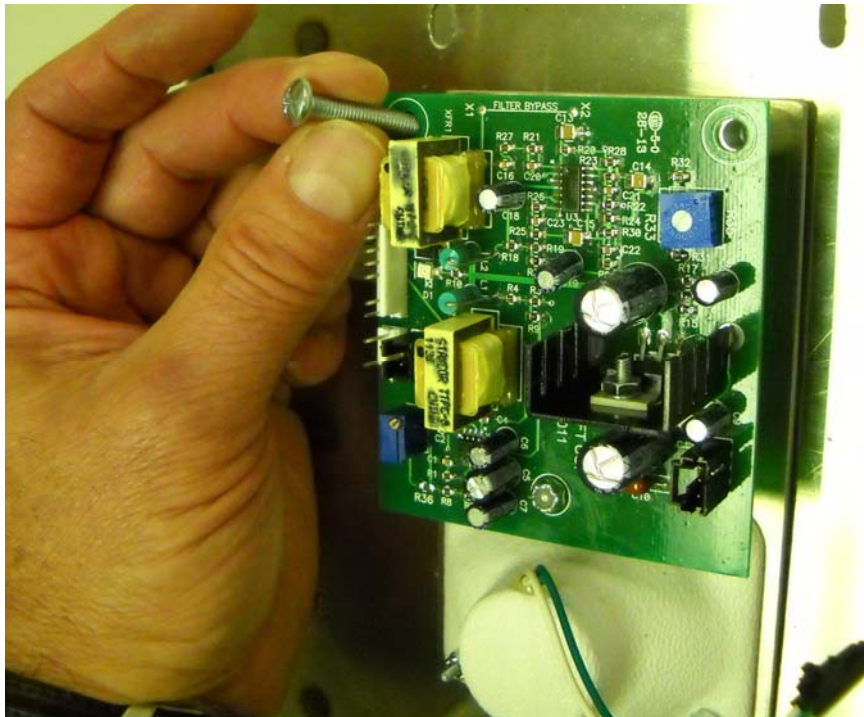
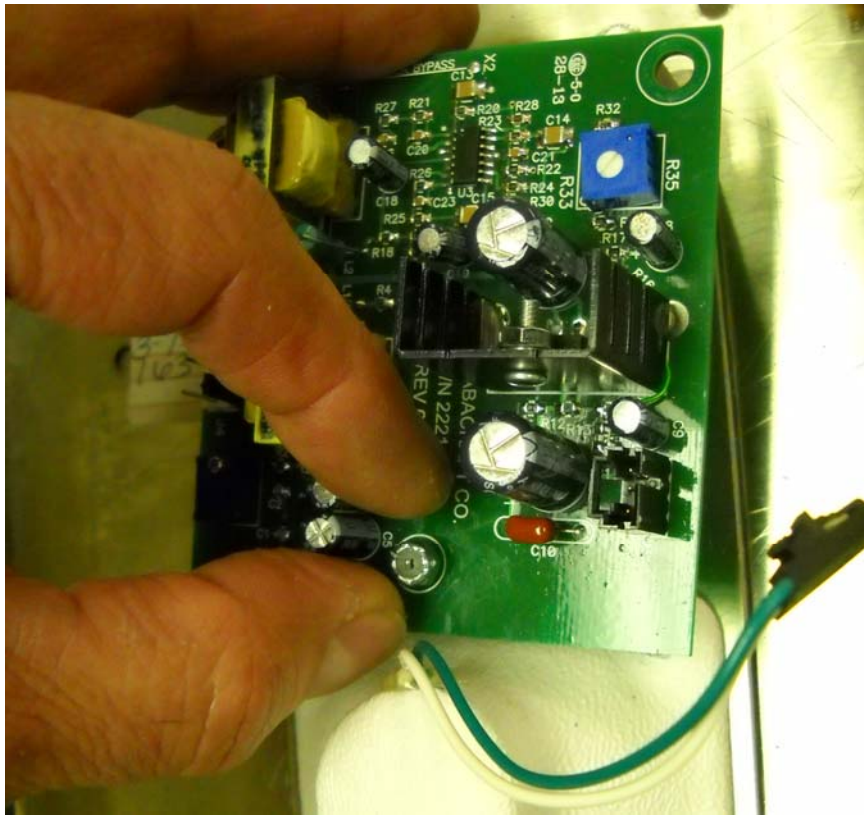
5. Install the BavSonic audio board/speaker mount over the old board's mounting spacers and then install the end with the wider hole of new spacers sent with the installation kit, over the top of the old spacers and secure the bottom of the mount with two of the 10-32x1-1/8" screws included in this kit.





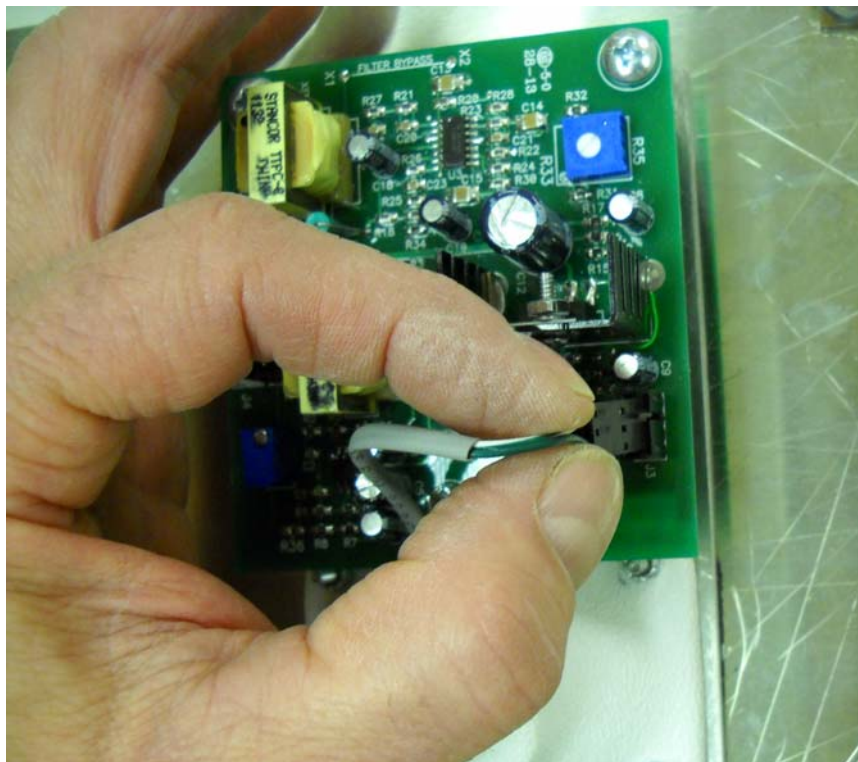
6. Place the BavSonic audio board onto the hex spacer on the new board mount and secure with a 4-40 nylon locking nut and the remaining two 10-32x1" screws.

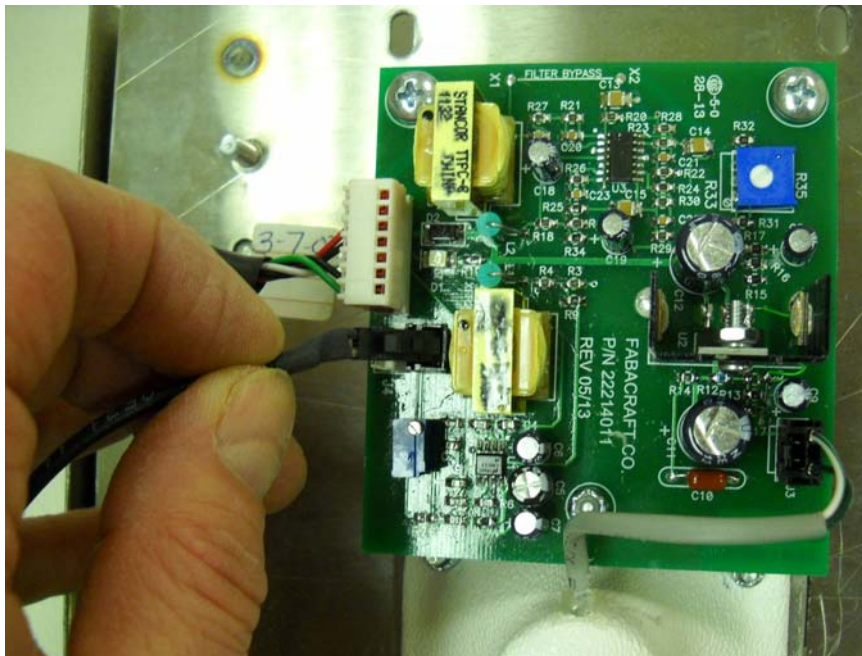
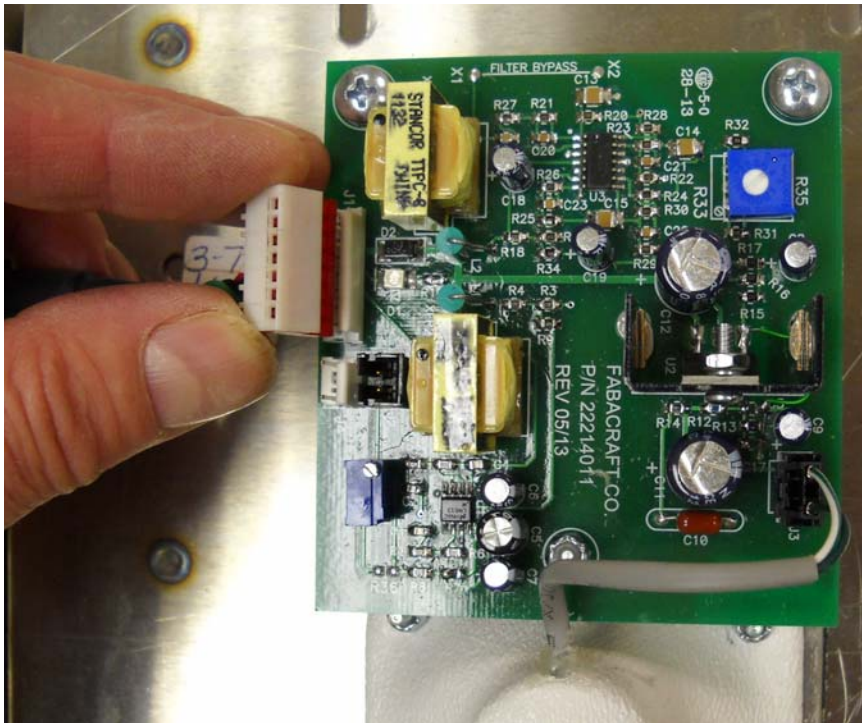






7. Attach the speaker, console harness and microphone to the BavSonic audio board.





Connecting to the BavSonic Audio Console

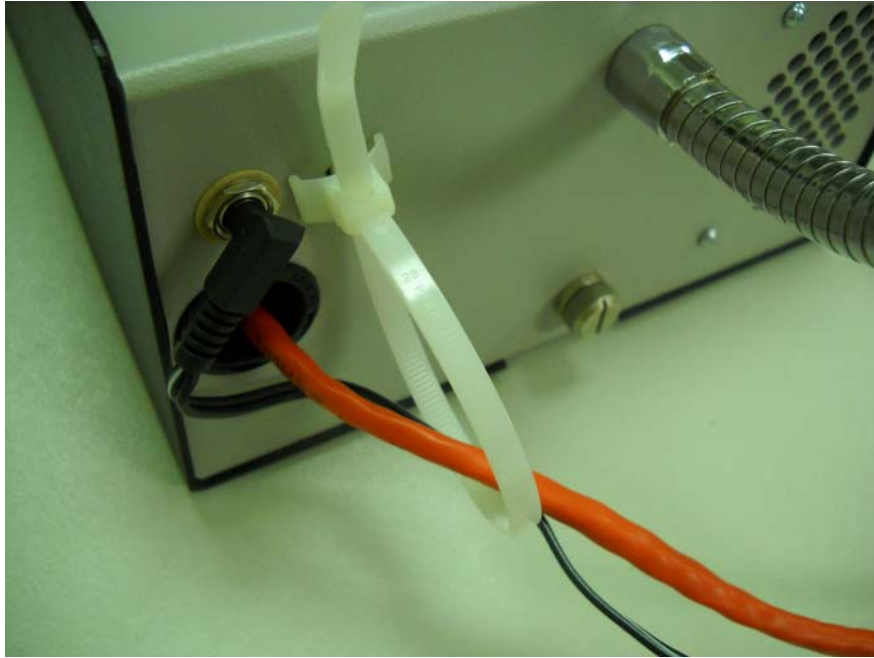
1. Connect the heat-shrink covered Dongle to the console end of the audio harness. (It may be necessary to use the DSub Gender Adapter supplied in this kit.)



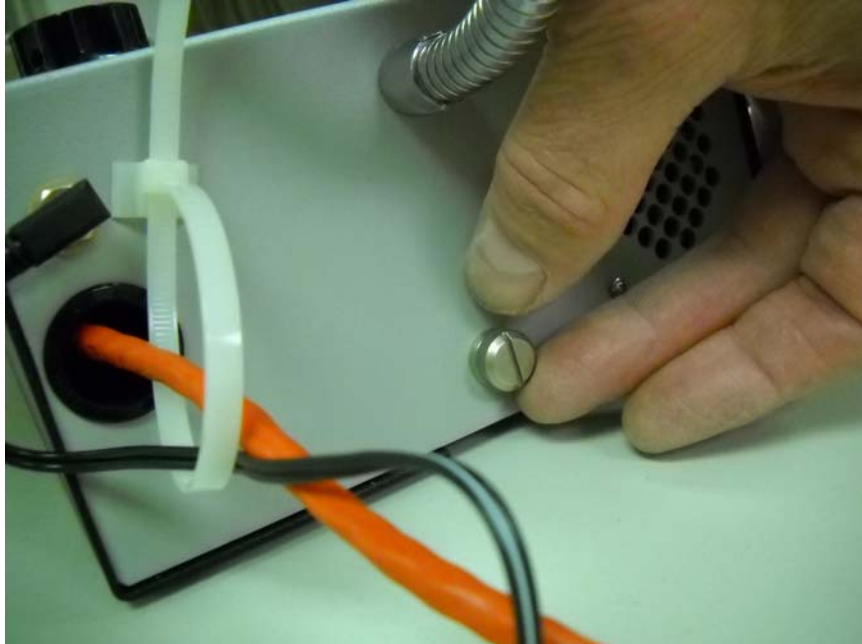
2. Connect the BavSonic Console to the Dongle with the Cat5 cable supplied.



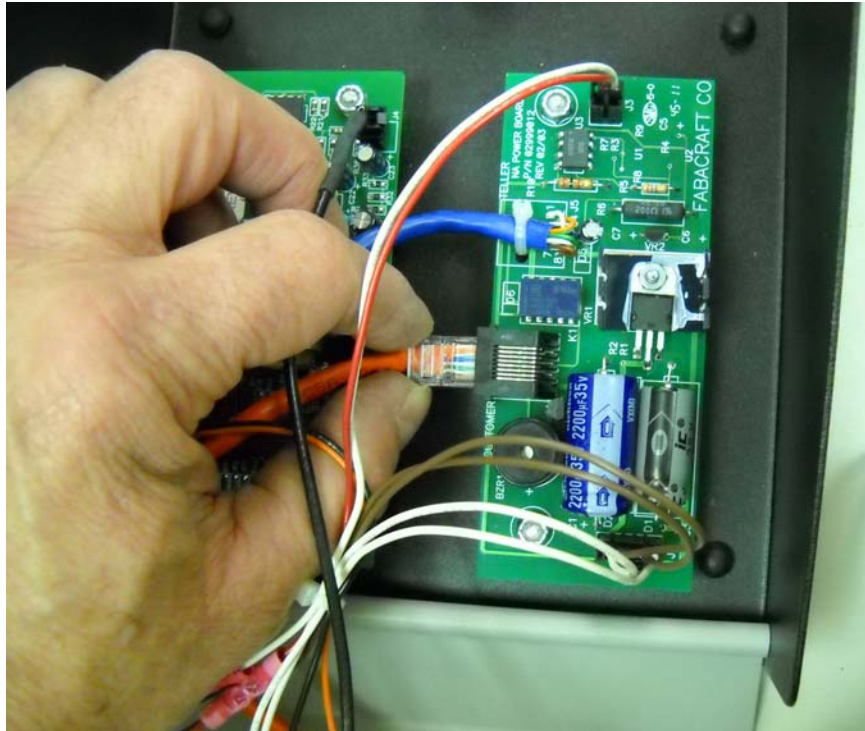
3. Route the Cat5 cable and the power pack wiring through the zip tie on the back of the console.



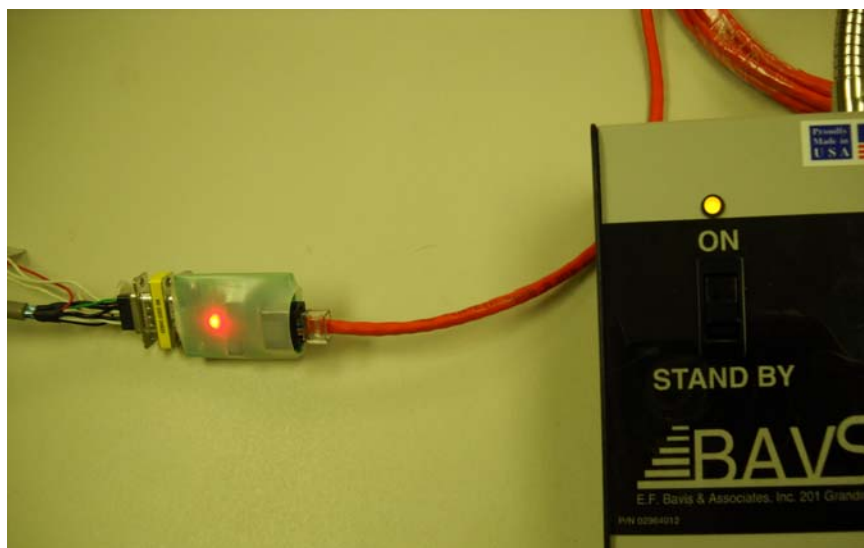
4. Open the console by loosening the thumb screw on the back and then lifting the back of the grey cover.



5. Connect the Cat5 cable to the Inside Base Audio board.



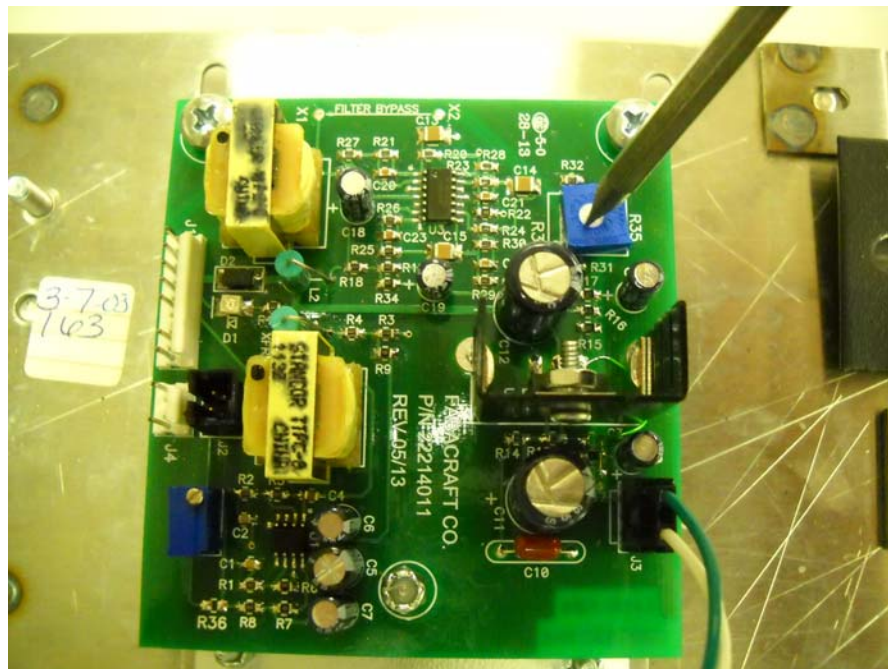
6. Allow for enough slack in the cables to open and close the console without damaging the cables or connectors, and then tighten and trim the zip tie.
7. Attach the power pack to the power jack on the back of the console, and then plug into a 110 Vac outlet. (The "Power On" LEDs on the Dongle and the BavSonic customer audio board should be on when the power pack is connected to 110 Vac.)



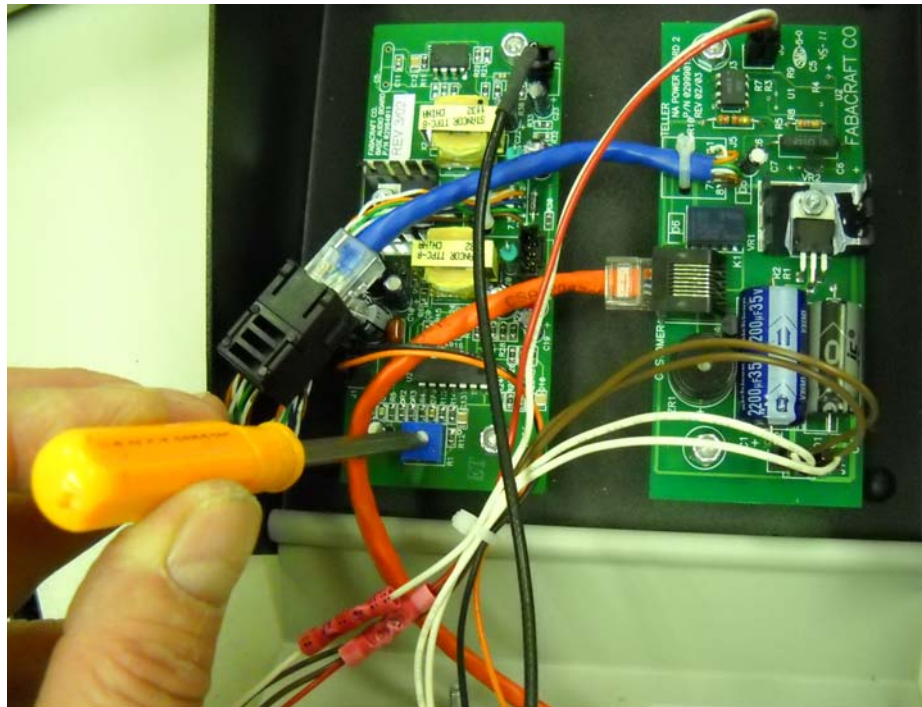
Adjusting Audio Volume Levels

(Note: It will be necessary to open the console to adjust the Incoming gain control. Opening the console is done by turning the thumbscrew on the back of the console that secures the top to the bottom. For adjustment purposes, the BavSonic console should be placed in the position on the counter where the operating personnel will be using it.)

1. Turn BavSonic Console switch to the “On” position, (the yellow LED above the “On”- “Stand By” switch will be lit).
2. On the customer audio board you just installed, adjust the Outgoing gain pot R35, (clockwise for louder), until the outgoing volume is sufficient, (if you adjust the outgoing level too loud, you will encounter feedback before the incoming level is loud enough). To test the volume level, speak into the Inside Microphone with the Mic 6 – 8” from your mouth.
3. Adjust the Volume Control on the face of the console clockwise to full volume, and then on the audio board inside of the BavSonic console, adjust the Incoming gain pot R1 clockwise until feedback occurs. After you have feedback, turn the gain pot R1 counterclockwise slowly until feedback stops.
4. Close the console and place into position, and then test the audio levels, feedback and the call button tone. Repeat steps 2 and 3 as necessary.



Out-going volume adjustment



Incoming volume adjustment

For Technical Support call E.F. Bavis at (513) 677-0500 and ask for Audio Support.

