WG Universal Telephone Audio Retrofit Manual

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WG Universal Telephone Audio Retrofit

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WG Universal Telephone Audio Retrofit

These are the instructions for replacing a BavComTM Two on Two Audio System with a BavSonicTM WG Universal Telephone Audio System. This manual assumes that a Bavis All-In-One Jr. services the first lane of drive-thru and that a Captive Carrier TransTrax[®] system services the second lane of drive-thru.

Testing

Note: The telephone system should be tested for proper operation before beginning the retrofit installation. To do this, you will need a speaker w/leads along with the various components in this kit. Plug the microphone, call button, speaker, and the red patch cable into the inside base audio board, and connect the other end of the red patch cable to the lane input on the WG BavSonic Universal Telephone Audio Interface. Plug the RJ-11 end of the grey patch cable into the telephone input on the interface and the RJ-45 end into the wall jack. Turn on the power (red LED'S will flash). Pressing the call button should initiate the ringing of the phone. There should also be arrows indicating the line designated for the drive-thru lane. Pick up the line, and you should have communication to and from the phone using the microphone and speaker plugged into the base audio board. You may need to adjust the volume on the board. If any other condition exists, contact Margie Stacy at 1-800-937-3322 extension 101.

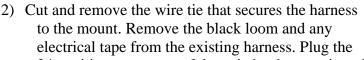
Once installed, the BavSonicTM Telephone Audio System can also be fully tested using a standard telephone.

Removal of the 2 on 2 system

- 1) Locate the audio power plug under the window counter and unplug to power down the audio system.
- 2) Locate the remote console at the technician station. Unplug the harness and allow it to drop into the wall or under the counter making sure it does not interfere with the conveyor belt.
- 3) Remove the bracket.
- 4) Repeat this procedure for the window station console.

Window Inside of building

1) The existing 2 on 2 interface board is located on or behind the laminated wood panel under the drawer. The 2 on 2 interface board needs to be replaced with the inside base audio board (RJ-45 jack) that is supplied. The laminated wood panel is secured with #8 sheet metal screws. Remove these screws to remove the panel. The mounting plate is on or behind this panel. Remove the cover of the 2 on 2 interface board and discard. Use the existing hardware to attach the inside base audio board (02984011) to the mounting plate.

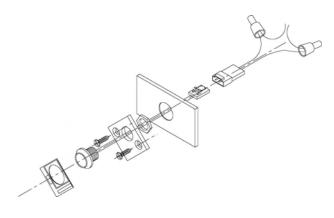




24-position connector of the existing harness into the BavSonicTM AW upgrade harness supplied in the kit. Plug the 3-position and 4-position connectors into their respective receptacles on the inside base audio board.

Outside of building

- 3) Remove the call button and call button label from the face of the window and clean the surface to remove any grime build up. Cut the wire going to the call button, so that it can be removed. Connect the receptacle end call button pigtail to the existing call button harness using the white pigtail connectors provided.
- 4) Remove the outside microphone. The microphone is mounted with two #8 machine screws. A #8 spanner tip is provided for this operation. The microphone will be plugged into a pre-amplifier board. Gently pull the microphone cable out of the hole in the window frame until you reach the pre-amplifier. There may be a wire tie and sticky block attached to the cable. If so, they will need to be removed. Unplug the microphone from the pre-amplifier and discard. Cut the wire going into the pre-amplifier board, so that it can be removed (be sure to leave enough wire to use as a wire pull). Attach the plug end of the microphone extension cable to the remaining pre-amplifier wire using the electrical tape provided in this kit. Attach the new microphone to the microphone extension cable.
- 5) Assemble the new call button, plate, and nut provided as per the diagram below. Connect the call button lead to the call button pigtail installed in step 3. Using the #33 drill bit and #6 flat head sheet metal screws provided, locate and attach the call button plate to the face of the window. Attach the new call button label.



Inside of building

- 6) Carefully pull the new microphone extension cable through the window using the old pre-amplifier wire. The end of this cable that has the two-position plug connector needs to be pulled to the inside. Note: If you have trouble or are unable to use the existing pre-amplifier cable as a wire pull for the microphone extension cable, please contact Dave McCartt at 1-800-937-3322 extension 119.
- 7) Plug the microphone extension cable into the mating jack on the inside base audio board.
- 8) Plug one end of the red patch cord supplied into the base audio board. Run the patch cord through the holes provided in the counter. The other end of the patch cord plugs into the telephone interface assembly.
- 9) Reinstall the laminated wood panel using the original #8 sheet metal screws.

Outside of building

10) Install the new microphone using the original hardware.

Note: Tape all pigtail connections using the electrical tape supplied in this kit.

This should complete the upgrade to the window lane.

TransTrax® Inside of building

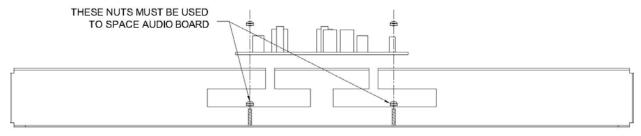
1) Power down the unit.

Outside of building

- 2) The speaker plate will need to be removed for access to the tube on the customer end.
- 3) The black molded customer control panel needs to be removed and the wiring harness unplugged. Remove the plastic mounting base for the customer control, by cutting it in half at the wire chase hole. Remove the opposing stabilizer to facilitate the pulling of the wire in step 4.
- 4) It will be necessary to pull wires from the control on the customer end of the TransTrax® down to the speaker plate opening in the tube. Pull the gray audio cable, and speaker pigtail, through the hole in the left stabilizer and tube down to the opening at the same time. Make sure that the connectorized ends are at the control position. There are two gray cables inside the unit. One is a 5-conductor cable for the start and stop circuit. The other is a 7-conductor cable for the audio. Locate the gray audio cable that comes from the inside of the building. Cut and carefully strip the gray jacket off of the audio cable. Connect the free ends of the gray audio cable together using the white pigtail connectors provided. Connect the free end of the speaker pigtail to the leads coming from the speaker.

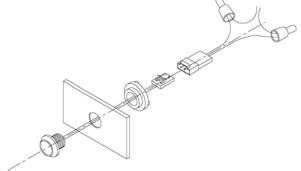


- 5) Install the new aluminum control mount by carefully feeding the harness through the slot provided in the mount. Attach the aluminum customer control mount to the stabilizer using the (6) 1-1/4" type B screws provided. Attach the opposing stabilizer using the (6) 1" flathead type B screws provided. Note: Do not use the long sharp pointed screws removed in step 3. These could damage the internal wires. Using the wire tie provided, tie the audio and speaker wire together to prevent them from slipping down into the tube.
- 6) When the outside base audio board (microfit connector) is installed there will need to be a nut above and below the printed wiring board or it will short to the mount.



7) Unplug the pre-amp from the microphone. Cut the wires at the white Molex plug of the control and remove. The microphone plugs into J4 on the base audio board. **Note: Do not unplug the start switches.**

8) Replace the call buttons in the customer control with the new buttons, plastic nuts, and the "Y" harness supplied. Cut the wires at the white Molex plug of the control and remove. The "Y" harness then plugs into J3 on the base audio board.



- 9) Connect the new speaker harness into J1 on the base audio board.
- 10) Connect the new gray audio cable to the board.
- 11) Re-install the plastic customer control housing. Mark the holes on the aluminum mount. Remove the control, drill pilot holes with the #33 drill bit provided, and re-assemble with the #6 sheet metal screws provided. If the plastic will not fit on the new aluminum mount please consult the factory for assistance.

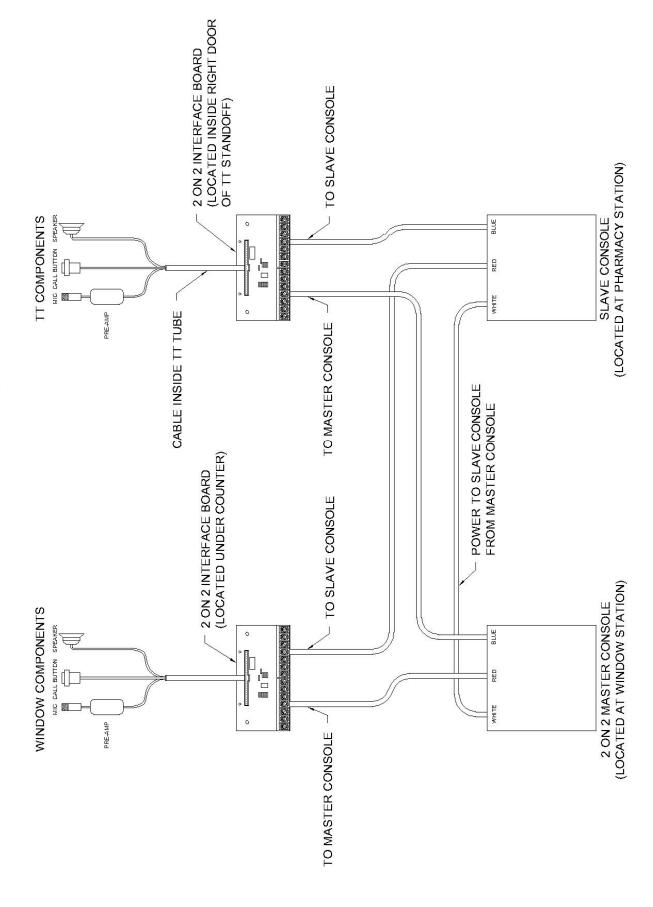
Inside of building

- 12) For connection inside the store, open the right door of the standoff box.
- 13) Unplug the audio cable inside the lane from the 2 on 2 interface board. The two gray wires coming out of the wall that terminate on the 2 on 2 interface board, need to be cut at the board. **Note: You will be using one of these wires to pull the new audio cable down to the interface.**
- 14) Plug the 24-position connector of the audio cable in the lane into the 24-position receptacle of the blue CAT-5 cable provided in this kit. Attach the free end of the blue cable to one of the gray wires coming out of the wall.
- 15) Under the counter, locate the two gray wires that run up to the standoff box.
- 16) After determining which cable is which, gently pull the blue CAT-5 cable through the wall and down to where the Telephone Audio Interface will be located.
- 17) Strip the blue jacket, and the individual wires of the CAT-5 cable, and attach them to the green phoenix plug of the interface box in the order listed on the interface box label.
- 18) Power up the unit and test the start switches for proper operation.
- 19) Follow the instructions supplied with the WG Universal Telephone Audio System to test.

Note: Tape all pigtail connections using the electrical tape supplied in this kit.

If you have any problems or questions, please call 1-800-937-3322 and ask for technical assistance.

2 ON 2 SYSTEM LAYOUT



TT UPGRADE LAYOUT

