

Subwoofer Add-on Kit

Using 29-SWAK to Add Subwoofer Demonstration Capability to Series Two Car Audio Systems

The Series Two comparators have served discerning car audio dealers for many years. Though this series is out of production, the need sometimes arises to add subwoofer demonstration capability to existing systems. This kit offers a means to add 4 sub amps and 4 subwoofers to Series Two systems which include a Model 2/11 or 2/02 (Note: comparators without a 9-pin EQ port on the back are not compatible with this kit). To add more sub amps, use additional 2957 modules, and for more speakers, use additional 2953 modules.

Installation

To complete this installation, you will need a passive EQ or a crossover with subwoofer output to dedicate to the subwoofer channels.

1. Disconnect 12-volt power from your system.
2. Move the "dummy plug" from the EQ/Subwoofer port on the 2/11 or 2/02 to the 9-pin female connector on the adapter harness included with this kit. Connect the 9-pin male plug of the adapter to the EQ/Subwoofer expansion port on the Model 2/11 or 2/02.
3. Connect the RCA plugs of the adapter to the EQ/crossover's input and output jacks as shown in the Installation Diagram. Power the EQ/crossover from a source of 12 volts dc.
4. Secure the 2957 modules near where you want to put the new sub amps and put the 2953 module close to the subwoofer locations.
5. Plug a module power harness (red and black wires) into one of the System Bus ports on each 2953 and 2957 module as shown. Connect the other ends to any convenient source of switched 12 volts.
6. Use the supplied terminal blocks, 10 gauge dc power harness and Scotchlocks (tm) to supply power to the new amplifiers. If the existing Power Expanders have no vacant output terminals, combine the power leads to some head units and equalizers, etc., to free up one position for the sub amps. You may also wish to get power for individual sub amps from the main power bus, but be sure to use an appropriately-sized circuit breaker or fuse.
7. Connect the Bus headers of the 2953 and 2957 modules together with the supplied length of high level bus (green, white, brown, gray). If necessary, splice in wire to lengthen the bus cable.
8. Connect the Subwoofer output of the passive EQ to the IN/OUT Bus jacks of the 2957 with an RCA patch cord.
9. If you are expanding amp or sub capacity beyond 4 units at this time, mount the additional switching modules. Connect the system bus and high level and low level buses of the additional modules into the previously wired modules as shown. Note that the audio buses run from the Bypass port of the first module to the Bus port of the second module, and so on, in each amp and sub group.
10. Plug a PSB into each PSB port on the switching modules. You may place the PSBs all together in some empty panel space or place one next to each of the new amps and subs.
11. Set the 2957 module Bypass switch(es) On and the 2953 Speaker Add switch(es) On before applying power to the modules.
12. Connect sub amps to the 2957 module(s) and pairs of subwoofers to the 2953 module(s) as shown.
13. Power up the system; a green LED lights on each of the new switching modules. Play a head unit and adjust the dedicated EQ/crossover's controls to obtain subwoofer output.

Operation

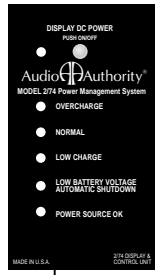
Use the Series Two system just as you always have. When you want to select a sub amp and subwoofer, press the PSB of the desired products. The PSB lamp will light and the product will play. Use the dedicated EQ or crossover to adjust crossover frequency and subwoofer volume level.

Turn off the subwoofer using the EQ or by deselecting the sub amp. Deselect a product by pressing its PSB again. You can select two pairs of subwoofers at the same time. Press a PSB to select the first sub, then press and hold a second PSB (until you see the PSB lamp come on) to add a sub.

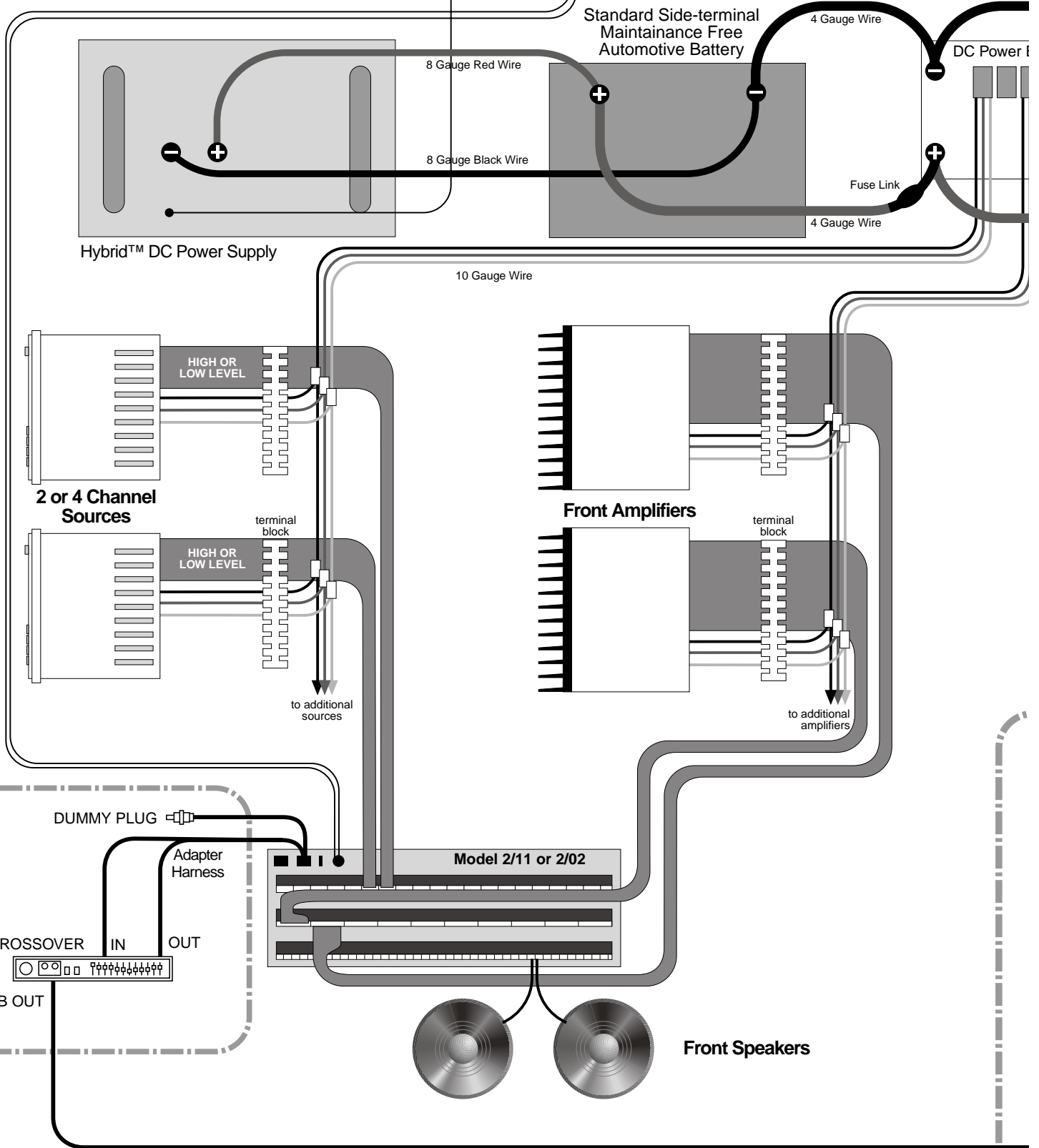
If you have any problem installing or using these products, call Audio Authority Technical Services at 800-322-8346, for assistance.

DC Wiring Legend

+ 12V Unswitched (yellow)	
+ 12V Switched (red)	
- Ground (black)	



Model 2/74 DC Controller

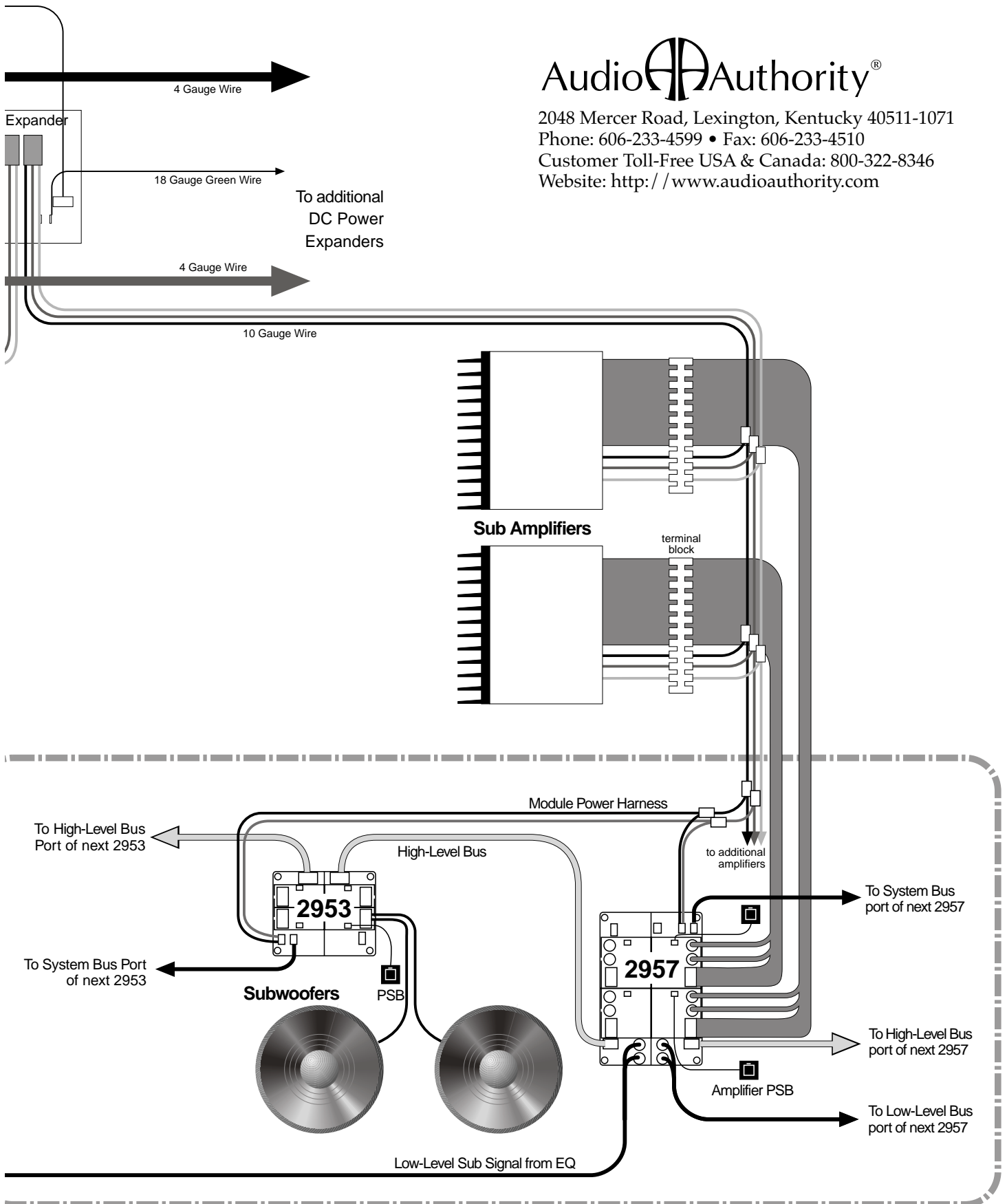


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29-SWAK Installation

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