



GROUND LOOP ISOLATOR INSTALLATION

BRINKLEY MODEL G RV WITH

ROCKFORD FOSGATE SOUND SYSTEM

CSC:	WI 054-2025 Model G Ground Loop Isolator Installation	REV:	REV-A
PRODUCT:	Brinkley Model G FW equipped with Rockford Fosgate Audio Equipment		
DATE:	October 14, 2025	LABOR RATE:	0.3 hours

Applies to:

This document refers to installation of a Ground Loop Isolator on Brinkley Model G FWs equipped with a Rockford Fosgate audio system.

Condition:

Brinkley RV has determined that some Brinkley RV model G FWs equipped with a Rockford Fosgate audio system may, under certain circumstances, experience a buzz, or a hum sound thorough the speakers in one of the audio “zones” in the RV. This is typically caused by interference from light dimmer switches in the RV. Brinkley will pay to inspect, and if necessary install a Ground Loop Isolator in-line in the audio equipment to eliminate the interference.

Safety:

Safety is, and should always be observed when performing any type of repair. ANSI (American National Standards Institute) has created a standardized labeling system for different levels of safety and danger. The label below provide information regarding those levels of danger, and should be observed and adhered to at all times.

WARNING

The “WARNING” symbol above is a sign that a procedure has a safety risk involved and may cause death, serious personal injury, severe product and/or property damage if not performed safely and within the parameters set forth in this document.

CAUTION

The “CAUTION” symbol above is a sign that a procedure has a safety risk involved and may cause personal injury, product and/or property damage if not performed safely and within the parameters set forth in this document.

+ NOTICE

This is used to address best practices that should be utilized and do not commonly result in injury but may lead to property damage if not careful.

WARRANTY INFORMATION

ADVANCED CONTACT OR PRIOR AUTHORIZATION IS NOT REQUIRED CLAIM REIMBURSEMENT PROCESSING:

All reimbursement requests with completed work orders, including any freight expenses and photographs, should be submitted via a claim in the Brinkley RV Dealer Portal. If you do not have access to our Dealer Portal, a claim can be emailed to CustomerCare@Brinkleyrv.com.

REQUIRED INFORMATION FOR IMMEDIATE REIMBURSEMENT PROCESSING INCLUDES:

1. The full 17 digit VIN;
2. The Retail Name if retail sold;
3. Dealer Name;
4. Dealer Address;
5. Dealer Phone Number;
6. Dealer Hourly Labor Rate;
7. Work Order detailing the work performed and labor time, and
8. A photograph of the completed repair.

Reimbursement checks for claims submitted with all requested information are issued weekly.

PARTS INFORMATION

Ground Loop Isolator

PART #	PARTS	Qty
111231	GROUND LOOP ISOLATOR	1

REQUIRED TOOLS

1. Screw gun
2. #2 Square drive bit



+ NOTICE

NOTICE: Retain all fasteners for reuse.

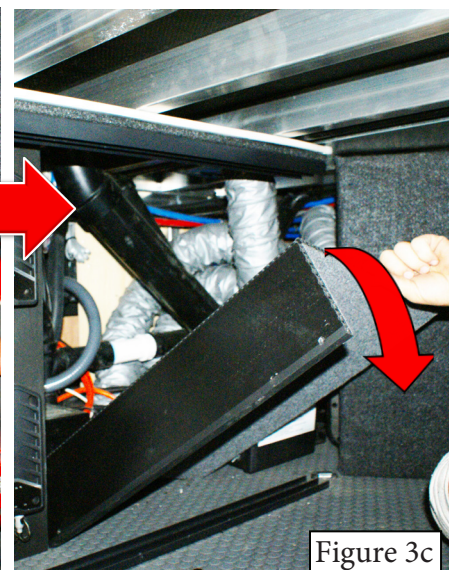
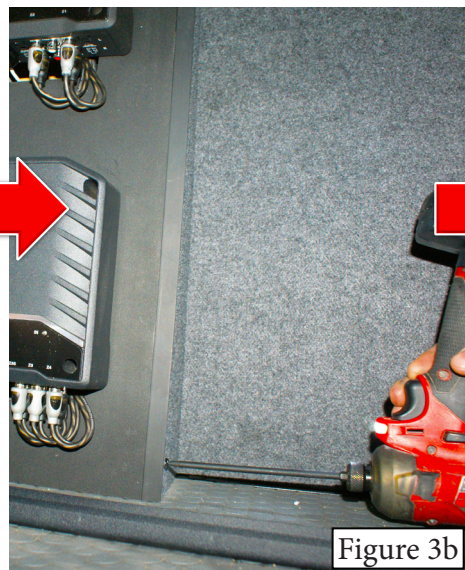


WORK INSTRUCTIONS:

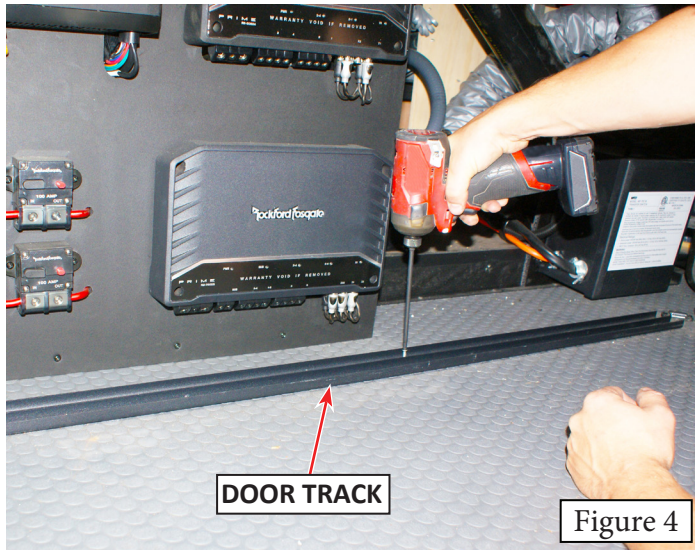
1. READ AND UNDERSTAND ALL INSTRUCTIONS PRIOR TO BEGINNING WORK.
2. Determine which zone has the “buzz” or “hum” sound by listening for the sound while playing music and switching from zone-to-zone on the Rockford Fosgate receiver (Figure 1).
3. Once the zone has been determined, begin accessing the wiring for the Rockford Fosgate system. Remove the felt covered sliding doors that cover the Rockford Fosgate electronics in the front pass-through compartment (Figure 2). Lift each door upward until it can be removed from the door track.



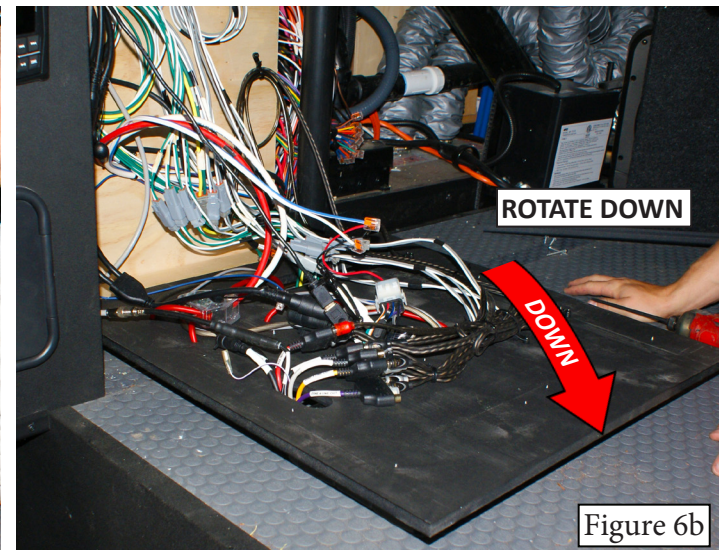
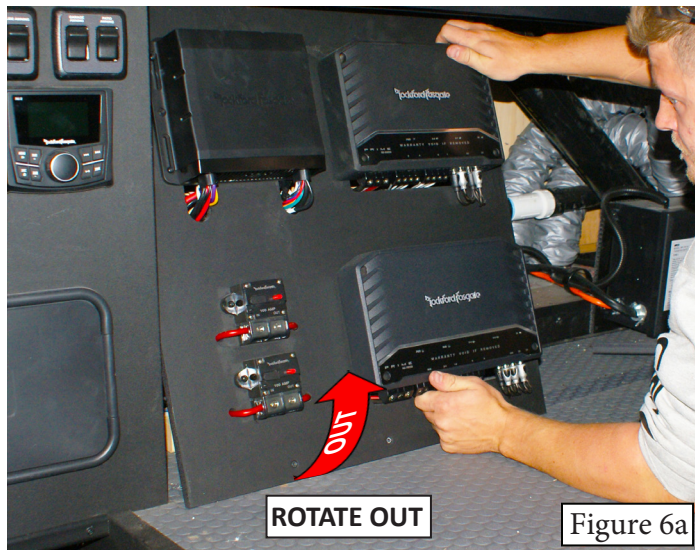
4. Use a screw gun and a #2 square drive bit to remove the four (4) fasteners holding the L-shaped trim panel inside the electronics bay (Figure 3a and 3b).
5. Remove L-shaped panel and set aside (Figure 3c).



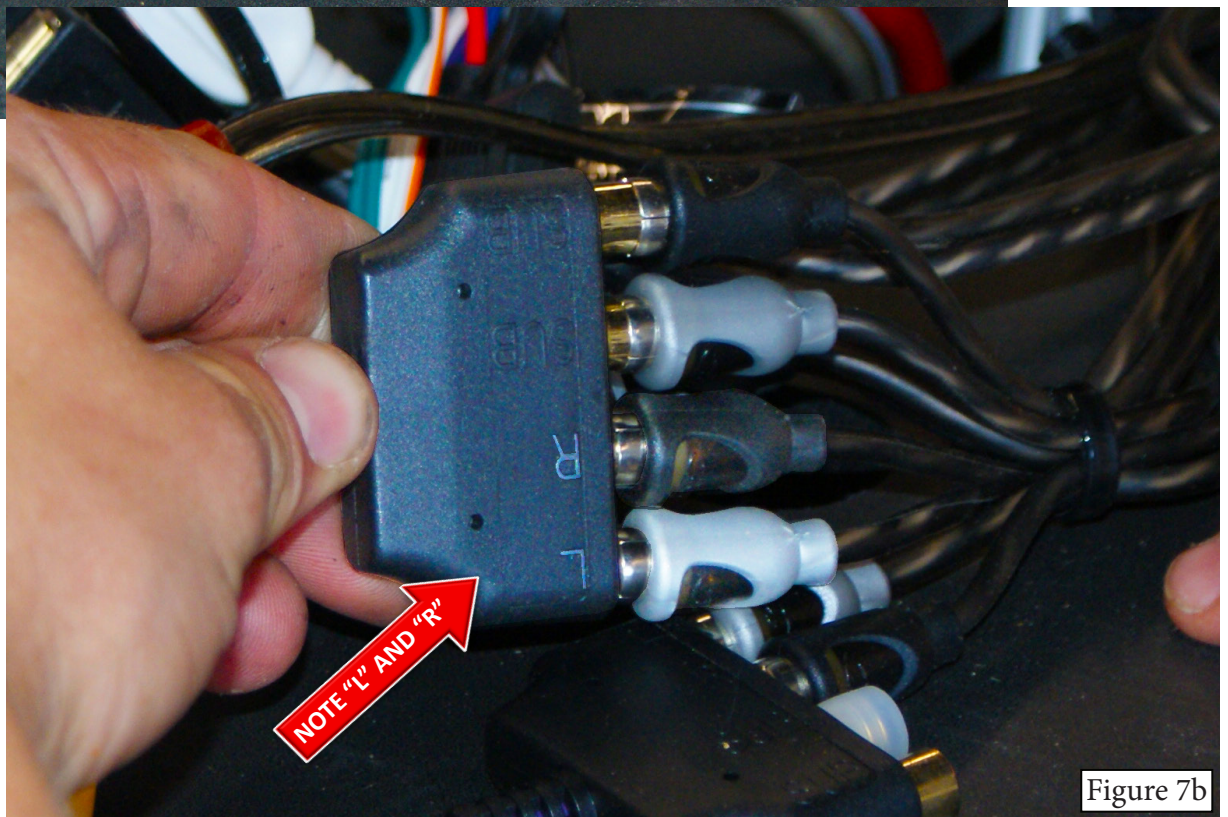
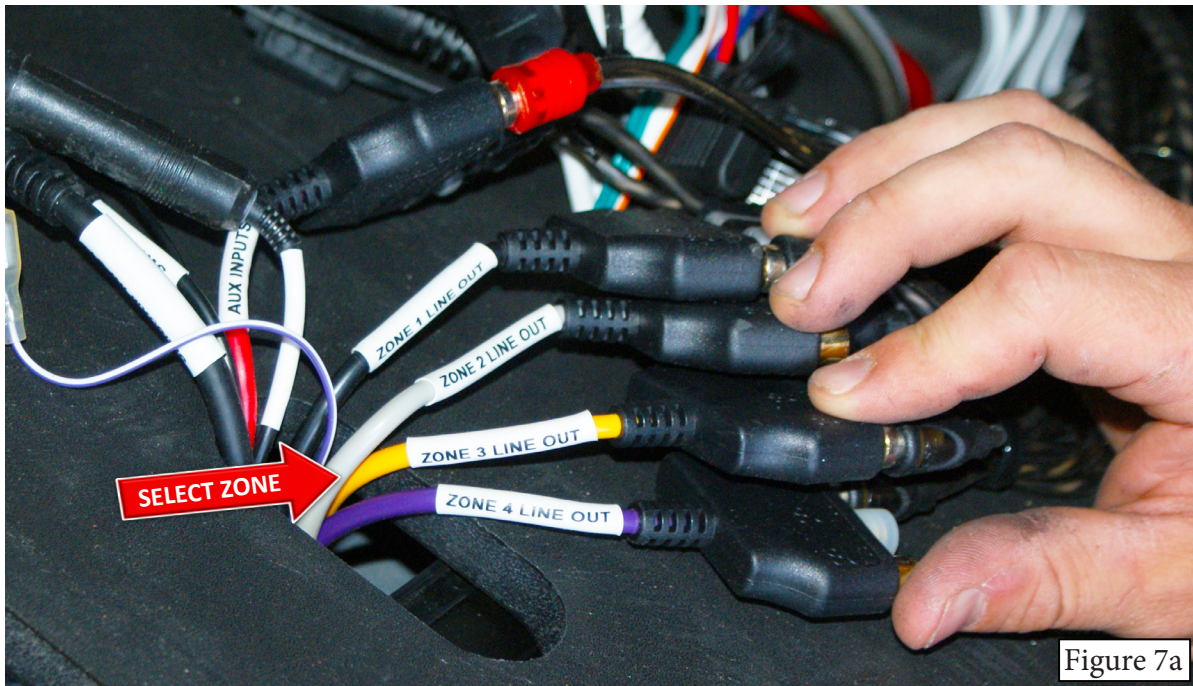
6. Use a screw gun and a #2 bit to remove the three (3) fasteners holding the door track to the floor of the pass through compartment (Figure 4). Remove the track.
7. Using the same #2 square drive, remove the four (4) fasteners holding the electronics board in place (Figure 5).



8. Once loose, tip the electronics panel out of the cavity at the bottom (Figure 6a) then rotate the top out and down, laying it face down on the pass-through compartment floor (Figure 6b) to expose the wiring.



9. Locate the four (4) “ZONE OUT” connectors in the wiring harness behind the Rockford Fosgate Control Module (Figure 7a).
10. Isolate the “ZONE OUT” connections for the zone experiencing the buzz or hum (in this example it is “ZONE 3”, but it can be in any zone.) (Figure 7b). Note the “L” and “R” markings on the connector.



11. Disconnect the “L” and “R” connections on the affected ZONE OUT connector (Figure 8).
12. Plug the “L” and “R” cable connections from the ZONE OUT connector into the LEFT and RIGHT connections on the Isolator (Figure 9).

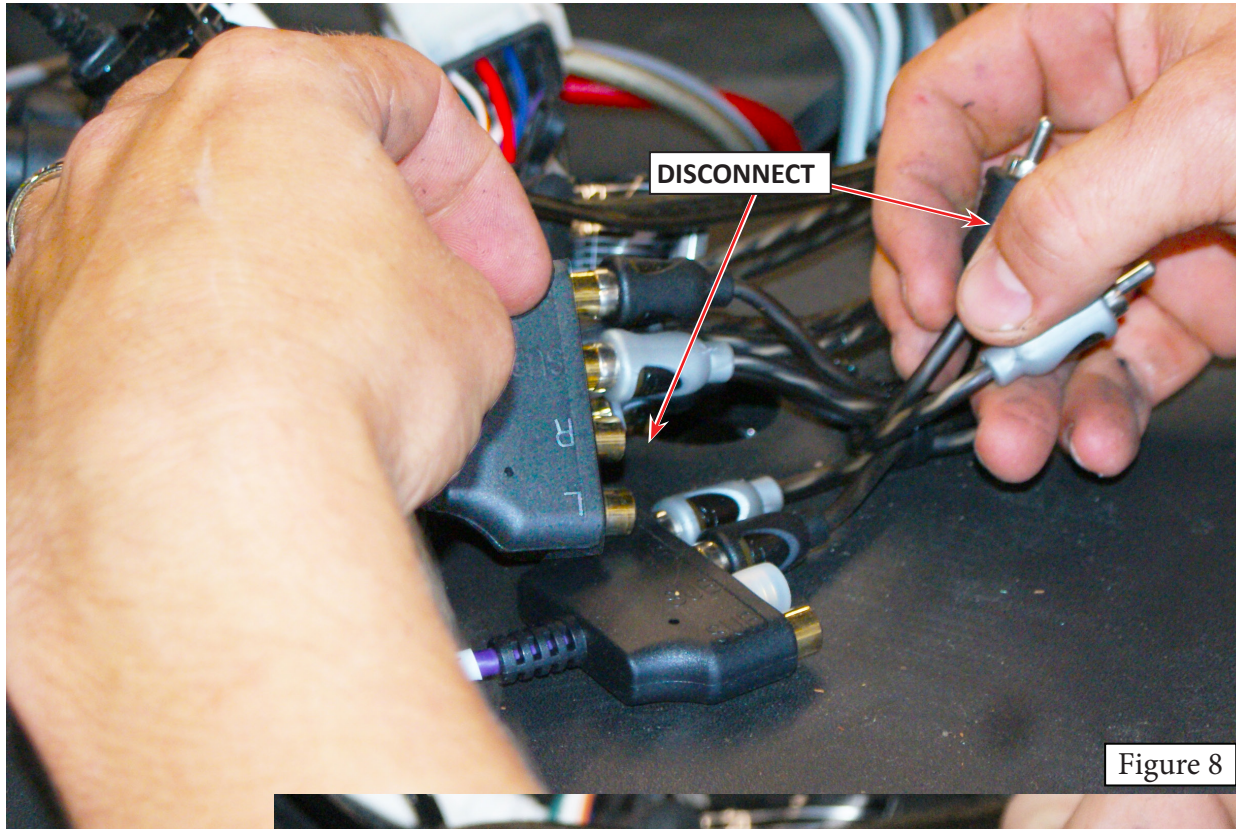


Figure 8

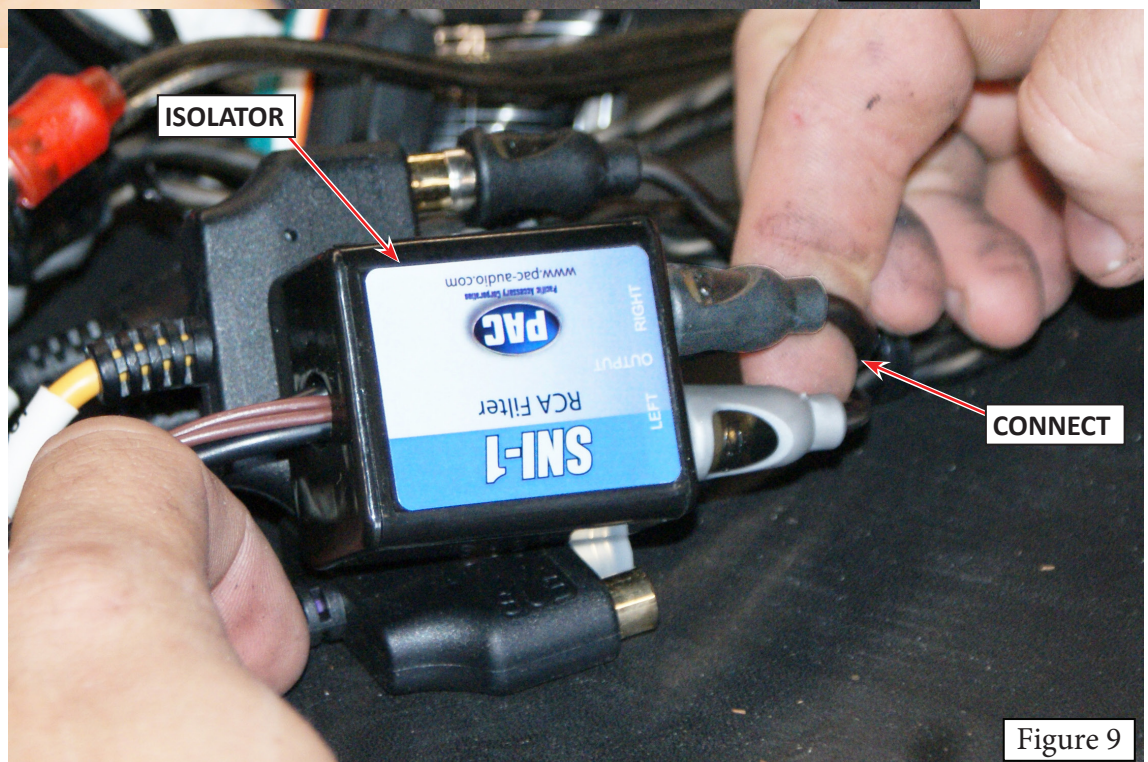
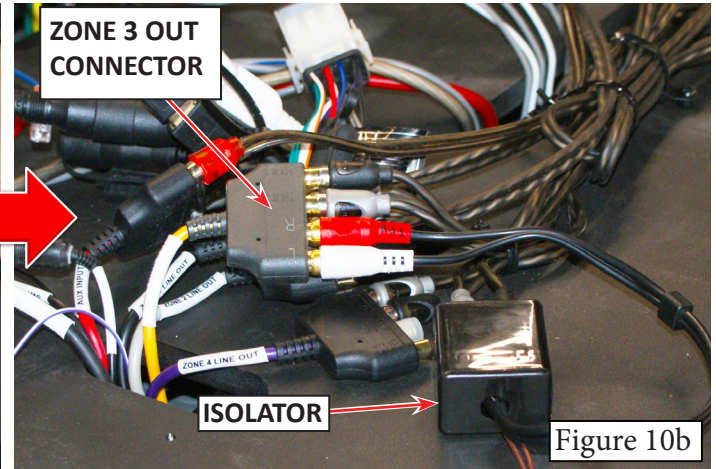
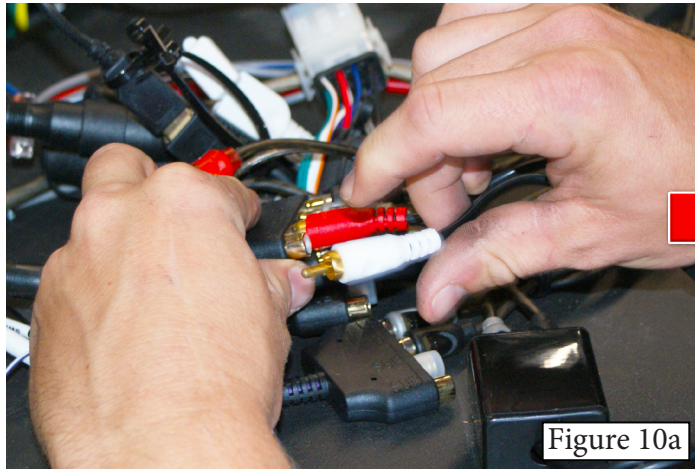


Figure 9

13. Plug the “L” and “R” cables from the Isolator into the L and R connections on the ZONE OUT connector (Figure 10a and 10b).



14. Use electrical tape or a twist on wire nut to insulate and secure the two ground wires; insulate them to prevent electrical contact with other components.

15. Test system for proper operation (not shown).

16. When satisfied system is working correctly, reassemble system in reverse order of disassembly:



- Secure any loose wiring with zip ties behind the electronics panel.
- Lift and position the electronics panel and secure in place using original fasteners.
- Install L-shaped fill panel and secure in place with original fasteners.
- Install door track onto pass-through compartment floor using original fasteners.
- Install doors on tracks.

17. Installation complete.

Figure 11

Brinkley Model G PMX-8BB Audio Out Connections

