



System overview: The Dual Player Headrest Video utilizes a common power source for two independent top-loading DVD players with 2-way audio-video sourcing. Each player has external audio/video input, a wireless infrared 2-channel headphone and wireless remote. The left player has audio playback capability through vehicle audio system via an OSD controlled FM transmitter.

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If technical support is required, please contact Advent Technical Support at 1-800-323-4815.



Kit Contents:

Item #	Qty.	Component Description
1	2	Headrest Assembly
2	1	IN9000 Pre-Pack
	1	Power Cord#9
	1	Power Cord#8
	1	Standard Hardware Bag
	4	AAA Battery
	1	Cable 3A Red
	1	Cable 3B Black
	4	Cable clamps w Foam
	1	Control Box
3	1	IN9010 Pre-Pack
	2	FF Headphone w/Logo
	2	Remote Control
	4	AAA Battery
	1	SL Owner's Manual
4	1	IN3056-59 Pre Pack
	2	Cap LH Mercedes-Chrysler 14mm H103
	2	Cap RH Mercedes-Chrysler 14mm H103
5	1	IN3065 Pre-Pack
	4	Spacers 306091a2

Hardware Bag Contents:

Item #	Qty.	Component Description
1	3	Wire Tie Base
2	2	Blue T-Taps
3	2	Double Sided Tape
4	3	Red T-Taps
5	12	6" Wire Tie
6	2	11" Wire Tie
7	1	Foam Tape

Additional Items Required For Installation:

Item #	Qty.	Component Description
1		

Recommended Tools:

Safety Tools	
Seat/Floor Covers	Blankets
Installation Tools	
Wire Cutters	
Pliers	
NRT (Nylon Removal Tool)	
Special Tools	
None	
Special Chemicals	
None	






Color Applicability/ Trim Level:

Accessory Color	Black	M. Graystone	Tan	Lt. Frost	077103	00000	00000
	077100	077101	077102				
Vehicle Trim Color							
Black	X						
M. Graystone		X					
Tan			X				
Lt. Frost				X			

General Applicability:

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LEGEND:

-  **STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.
-  **OPERATOR SAFETY:** Use caution to avoid risk of injury.
-  **CRITICAL PROCESS:** Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation.
-  **TOOLS & EQUIPMENT:** This calls out the specific tools and equipment required for this process.
-  **REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

INSTRUCTION/ INSTALLATION NOTES:

- After **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation.
- When prying panels, use masking tape on all surfaces that a tool may come in contact with to prevent marring.
- After a wire tie is fully fastened, cleanly cut excess wire tie length with a pair of wire cutters.
- The wiring information is on an "as is" basis without any representation or warranty. It is the installer's responsibility to verify any circuit before interfacing with it using a digital multi-meter.
- Manufacturer's service documents can be used for any vehicle disassembly that may be depicted differently from what the instruction states.
- Use Wiring Diagram on last page of document to clarify cable or component names.

A. Pre-Installation Precaution



1. Use Seat and Floor protectors to avoid damage to surfaces.



BATTERY DICONNECT
 Disconnecting the battery prior to any ground or harness removal/ tapping to prevent possible vehicle damage is recommended. The battery may be temporarily reconnected and disconnected throughout the installation process to perform various tasks. However prior to doing so all connectors and harnesses must be reassembled and reconnected. Once tasks are completed disconnect battery until installation is complete and DVD system is ready to be tested. After testing, the vehicles interior may be re-assembled. If the vehicle is equipped with an Anti-theft radio, the code must be written down prior to disconnecting the battery cable. The code must be re-entered when the negative battery cable is re-installed. Disconnecting the battery may cause certain vehicle settings to be lost. Manufacturer's recommendations for the battery removal should be followed.



B. Disassemble Vehicle Trim


1. With a Nylon Removal tool (NRT) slide chrome cap at the bottom of the gear shift knob in a downward motion (Figure B1a-b) 
2. Engage parking brake and put gear shifter in neutral, remove metal keeper then remove shifter knob. (Figure B2a-b)
3. Lift up on rear edge of console panel. (Figure B3)

Figure B1a



Figure B1b



Figure B2a



Figure B2b



Figure B3



4. Unplug the shifter light connector at bottom of cup holder. Disconnect power plug connector and remove center console cover (Figure B4)

Figure B4a



5. Remove driver side console panel by pulling out at bottom with hand. Repeat on passenger side (Figure B5a-b)

Figure B4b



6. Using your hand pull outward at bottom of seat back cover to release lower seat back clips. (left and right) (Figure B6a-b)

Figure B5a



Figure B5b



Figure B6a



7. While pulling out on top corner of seat back and pushing in approximately 4 inches from top, slide cover to the left to release upper clip. Repeat on left side of seat (Figure B7)

8. Disconnect SRS connector. (Figure B8)

9. Insert Scribe into hole on right side of Headrest post cap to release safety lock and push button on left post cap to release Headrest. (Figure B9)

10. Remove Cargo compartment cover. (Figure B10)

11. Repeat on driver seat.

Figure B6b



Figure B7



Figure B8



Figure B9

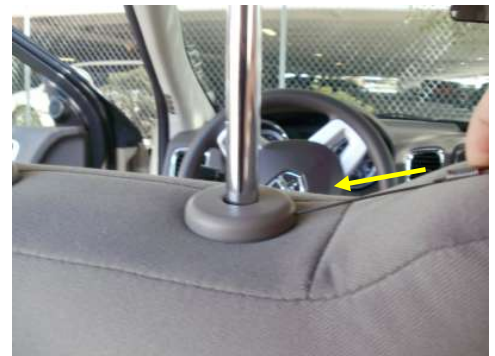
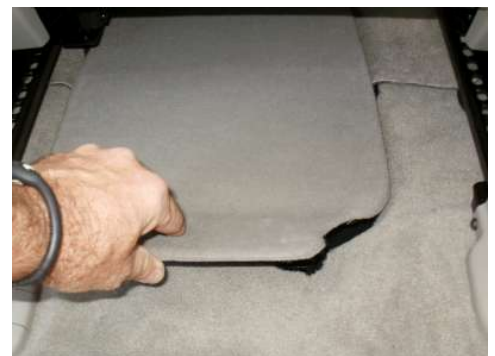



Figure B10



C. Install Power Wiring



REMINDER: Disconnect the battery prior to any ground or harness removal/ tapping to prevent possible vehicle damage. Once all wiring installation is complete the battery can be reconnected. If the vehicle is equipped with an Anti-theft radio, the radio code must be written down prior to disconnecting the battery cable. The code must be re-entered when the negative battery cable is re-installed. Disconnecting the battery may cause certain vehicle settings to be lost. Manufacturer’s recommendations for the battery removal should be followed. Disconnecting the battery is recommended. Temporarily battery connection may be required at some points.

1. Using pliers attach a red T-Tap to the Blue/Violet wire of the accessory power socket harness and a red t-tap to the black wire of the same harness.(Figure C1) 

2. Make the following connections. (Figure C2)

DVD System Power Harness	22 Pin Connector	Pin #
Red Wire	Blue/Violet Wire	
Black Wire	Black Wire	

3. Secure the power harness fuse assembly to the factory harness with wire ties. (Figure C3)

D. Mount Control Box and Route Cables

1. Make all six connections to the control box using color coded connections including 3A-B cables (red, white, blue, and black) antennae and power harnesses. (Figure D1)

2. Wrap the control box in the supplied foam tape. (Figure D2)

Figure C1



Figure C2



Figure C3



Figure D1



Figure D2



- 3. Place the control box inside the center console cavity as shown. (Figure D3)
- 4. Continue to route cables along the side of center console and under carpet. Then route cable to split in carpet and route under the seat rail protruding out under the seat. (Figure D4 a-c)

Figure D3



Figure D4a



Figure D4b




Figure D4c



Figure E1



E. Install Monitor Assembly

- 1. Using a NRT (Nylon Removal Tool), push seat cover and foam of driver's seat away from headrest sleeve creating a gap to route cables #1A and #2A (red and white) (Figure E1) 



2. Continue to feed cables into seat. Attach monitor/ bracket assembly by sliding bracket around headrest sleeves from right to left.

(Figure E2a-b)

3. Install bracket spacers. (Figure E3a-b)

Figure E2a



Figure E2a



Figure E2b



Figure E3a



Figure E3b



4. Install bracket covers. (Figure E4)
5. Route cables toward bottom inboard side of seat, exit at opening in seat frame. (Figure E5)
6. Continue to route cables to bottom side of seat behind molding. Then transfer cables to lower seat opening extending to underside of seat frame. (Figure E6a-c)
7. Repeat steps 1-6 on driver seat.

Figure E4

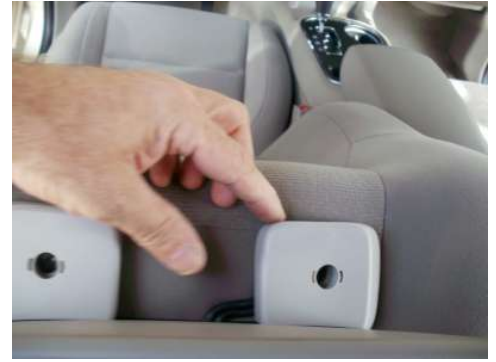


Figure E5



Figure E6a



Figure E6b



Figure E6c



F. Headrest Cable Connections

1. Connect cables 1B and 2B to 3B then snap security clamp around the connectors, add wire tie for strain relief, and apply foam tape.

(Figure F1a-c)

2. Secure the cables to the factory harness under the seat add enough slack to allow the seat move freely. (Figure F2)

3. Repeat steps 1-2 on driver's side using cables 1A, 2A, and 3A. (Figure F3)

G. Reassemble Trim

1. Trim all wire tie ends

2. Reassemble all trim removed in earlier sections.

3. Make sure all factory connections are reconnected and secure.

H. Complete Installation

1. Make sure vehicles battery is connected to manufacturer's specifications.

2. Install (2) AAA batteries in each remote and headphone set.

3. After testing with steps on following pages, carefully re-assemble vehicle by reversing steps in section B.

Figure F1a



Figure F1b



Figure F1c



Figure F2



4. Check all previously disconnected factory connectors and accessories to ensure they are all connected and operational.
5. Store remotes, owner's manual and headphones in center console, glove box, or seat back pockets.



Functional Verification:**Check:**

Accessory Function checks:

Turn vehicle ignition to ON, depress power button on each headrest monitor.

Insert DVD into monitor, press enter.

Listen with wireless headphones (be sure to set to channel "A" to listen to monitor "A" and channel "B" to listen to monitor "B").

Depress "eject" button.

Select Sound Around button on remote to turn on the FM transmitter. Turn on vehicle radio and set station to station selected on FM transmitter.

Look For:

Monitor should power on, start up screen should appear onscreen.

DVD should begin playing

Audio should be heard through vehicle headphones.

Disc should eject.

Audio from monitor "A" should be heard through vehicle speakers.

Video Entertainment System Troubleshooting Hints

Schematic Reference: Video System Schematics

- Many conditions that affect video system operation may be corrected without removing the DVD Headrest Assembly or the DVD Control Box Assembly. Make sure to understand all features of system operation before beginning the diagnosis of the system. Verify the condition and follow the diagnostic procedures in order to isolate and correct the condition.
- Be sure the vehicle battery is fully charged before beginning video entertainment system diagnosis

Video or Audio Distortion

The manufacturing process for producing DVD's does not have the same quality control processes in place that compact disk manufacturing does. If there are video or audio quality problems with an individual DVD, try playing that disk in another DVD player. If the quality is poor for both players, return the disk to the place of purchase and request an exchange. If the quality problem is only seen in one of the players, examine the disk for scratches, dirt, or smudges and attempt to clean the disk with one of the disk cleaning systems that are commercially available.

Video or audio distortion during auxiliary playback can often be attributed to the DC to AC inverter that is used to power the auxiliary device. The power inverters tend to introduce noisy signals into the vehicle electrical system.

DVD Player Inoperative (Power LED Not Illuminated)

Important: The following information lists the most probable cause of the concern to the least probable cause followed by the appropriate test for that condition.

1. The ignition is not turned on. Turn the ignition on.
2. DVD Jumper Harness not connected to vehicle. Verify Accessory Power and Ground.
3. DVD Jumper Harness not connected to Power Cord #9. Verify Accessory Power and Ground.
4. Cable 1A (Red Cable) not connected to Cable 3A (if not receiving power to Monitor A – Driver Side) or Cable 1B (Black Cable) not connected to Cable 3B (if not receiving power to Monitor B – Passenger Side). Make sure cables are connected.
5. Cable 3A (if not receiving power to Monitor A – Driver Side) not connected to Control Box or Cable 3B (if not receiving power to Monitor B – Passenger Side) not connected to Control Box. Make sure cables are connected.
6. Power Cord #9 is not connected to Control Box.
7. Check for power at end of Power Cord #9 (white connector 3-way) at Control Box. If power at Control Box – Replace the Control Box.
8. Remove monitor that is not receiving power. Check power at Red Connector (Monitor A – Driver Side) or power at Black Connector (Monitor B – Passenger Side). If power and ground verified at connectors, replace the DVD Electronics (Monitor).

DVD Player Inoperative (Power LED Illuminated)

Important: The following information lists the most probable cause of the concern to the least probable cause followed by the appropriate test for that condition.

1. The DVD Player is not turned on. Press the Power Button to turn unit on.
2. Press the play button. If no disc in unit, NO DISC message appears on display.
3. Insert Disc. If unit does not accept disc, replace the DVD Electronics (Monitor).

DVD Display Inoperative (LEDs Illuminate but No Video)

Important: The following information lists the most probable cause of the concern to the least probable cause followed by the appropriate test for that condition.

1. Verify that the correct source is selected. Monitor A or Monitor B should appear in the upper right hand corner of display.
2. Cable 2A (White Cable) not connected to Cable 3A (if no display on Monitor A – Driver Side) or Cable 2B (Blue Cable) not connected to Cable 3B (if no display on Monitor B – Passenger Side). Make sure cables are connected.
3. Cable 3A (if not receiving power to Monitor A – Driver Side) not connected to Control Box or Cable 3B (if not receiving power to Monitor B – Passenger Side) not connected to Control Box.
4. Remove monitor that is not receiving video. Verify that connectors are connected to the Monitor. If no video displayed, replace the DVD Electronics (Monitor).

Cannot Hear Audio Through Vehicle Speakers(FM Transmitter Inoperative)

Important: The following information lists the most probable cause of the concern to the least probable cause followed by the appropriate test for that condition.

1. FM Transmitter not turned on. Turn on FM Transmitter using the Remote Control. Press the DVD Button (A) on the Remote Control to control Monitor A – Driver Side Headrest. Press the Sound Around On/Off Button. “CH On” should appear on Monitor A display.
2. Radio and DVD Unit are not set to the same FM Frequency. Press the Sound Around Select button to select a frequency (88.3 MHz, 88.7 MHz, 89.1 MHz, 89.5 MHz, 89.9 MHz, or 90.3 MHz). The frequency should appear on Monitor A display in upper right hand corner. Tune the Radio to the frequency selected. If no DVD audio over speakers, verify audio by selecting another radio frequency. Replace the DVD Control Box.

Video Entertainment System Wireless Headphone Inoperative

Important: The following information lists the most probable cause of the concern to the least probable cause followed by the appropriate test for that condition.

1. Volume control on the wireless headphone set is turned all the way down. Adjust the volume control on the headphones.
2. Incorrect Channel Selected. To hear audio from Monitor A– Driver Side select Channel A. To hear audio from Monitor B – Passenger Side select Channel B.
3. Dead batteries or batteries placed incorrectly in the wireless headphone set. Turn on power to the headphone set. If the headset indicator does not turn on; place batteries in correctly or replace the batteries in the headset as needed.
4. Make sure headphone is in line of sight and no obstructions of the Monitor being listened from.
5. Faulty headphone set. Test the operation of the system using a known good headphone set. If operation is OK, replace the faulty headphone set.
6. Inoperative infrared transmitter in the (DVD) Monitor (s)--Replace the DVD Electronics.

Video Entertainment System Remote Control Inoperative

The buttons on the video remote control do not operate the videodisc player but the buttons on the DVD Headrest Monitor Control Panel operate normally.

Important: The following information lists the most probable cause of the concern to the least probable cause followed by the appropriate test for that condition.

1. Press DVD A button to control Monitor A or press DVD B button to control Monitor B.
2. Dead batteries or batteries placed incorrectly in the video remote control. Place batteries in correctly or replace the dead batteries as needed.
3. Faulty remote control. Test the operation of the system using a known good remote control. If operation is OK, replace the faulty remote control.
4. Inoperative infrared transmitter in the (DVD) Monitor (s)--Replace the DVD Electronics.

If problem persists contact INVISION AUTOMOTIVE Technical Assistance at 1-866-869-7888

Wiring Diagram

