



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	IN3050-53 Pre-Pack
	2	Cap LH Mercedes H103
	2	Cap RH Mercedes 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	#25 Torx Driver
Pliers	
NRT (Nylon Removal Tool)	
Special Tools	
None	
Special Chemicals	
None	






Color Applicability/ Trim Level:

Accessory Color	Black	013500	Cashmere	013501	Ash	013502	Sahara	013503
Vehicle Trim Color								
Black	X							
Cashmere			X					
Ash					X			
Sahara								X

General Applicability:

Mercedes Benz S- Class

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.

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


A. Pre-Installation Precaution

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



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. Using a Torx #20 remove the two screws at bottom of seat back. (Figure B1a-c) 

2. Pull out gently on bottom of seat back (1) and then pull down on seat back (2). (Figure B2)

Figure B1a



Figure B1b



Figure B1c

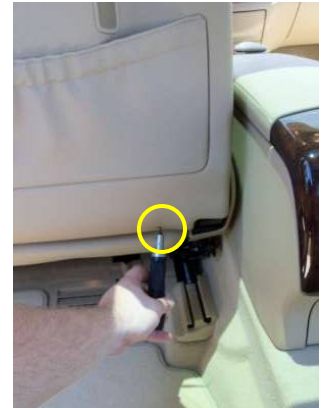



Figure B2





3. Remove seat back and set aside in a safe location. Figures at right show where clips are located for reference. (Figure B3a-d)

4. Remove the safety clip from the headrest steal on the right hand side. If needed a pair of pliers can be used to pull the clip off (Figure B4) 

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.

5. Disconnect the yellow SRS plug that runs from the inside of the right headrest steal to the receiving connector on the back of the seat. (Figure B5)

6. Firmly yet gently pull up on the headrest to release it from the power headrest motor assembly. (Figure B6)

Figure B3a



Figure B3b

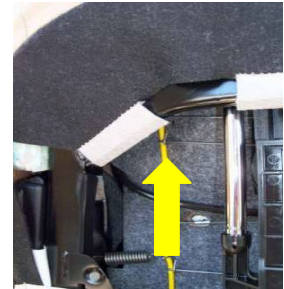


Figure B3c

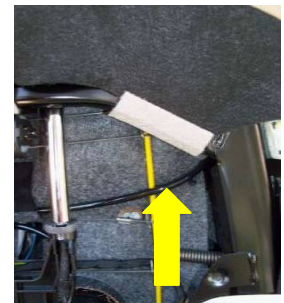


Figure B4

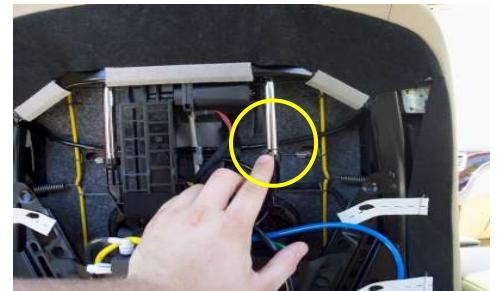


Figure B5

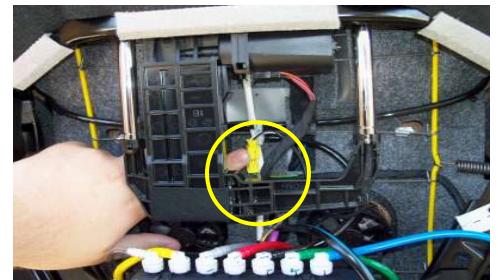
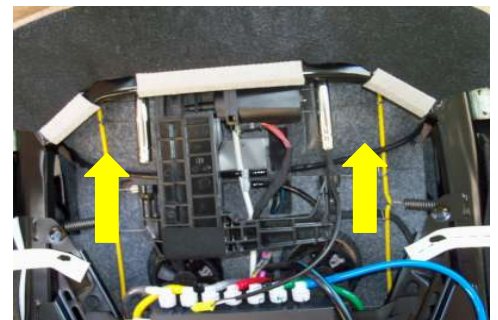


Figure B6



7. Unclip the plastic clips that attach the leather to the seat frame allowing the leather to be freely moved. (Figure B7a-d)

8. Remove the rubber bumper plugs from the front of the cup holder by first opening the cup holder up so that the divider is visible. Next slide the cover back on the cigaret lighter tray so that access is easy. Using an NRT gently pry the rubber caps from their respective holes.

(Figure B8a-b) 

Figure B7a



Figure B7b



Figure B7c

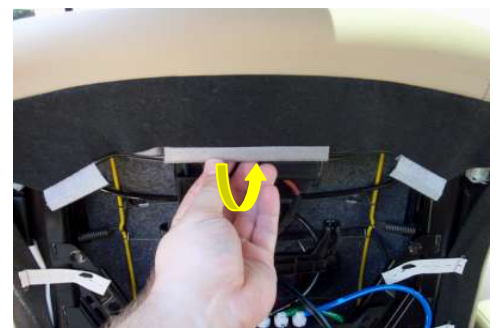



Figure B8a



Figure B8b



9. Remove the 2 Torx #20 screws that are hidden under the rubber bumper plugs.

(Figure B9a-b) 

10. Remove the cup holder and the cigarette lighter tray from the center console by pulling up on the cup holder first and removing that and then pulling out and then up on the cigarette lighter tray to remove from the vehicles center console.

(Figure B10)

11. Unplug the cigarette wire harness from the cigarette lighter tray. Then remove lighter tray assembly from vehicle setting it aside in a safe location. (Figure B11)

12. Open the slide door that covers the CD changer in the vehicle and locate the 2 screw covers that are in the upper top corners of both sides of the slide door. Using an NRT press in on the narrow portion of the screw covers allowing the larger portion to pivot open.


(Figure B12a-c) 

Figure B9a



Figure B9b



Figure B10



Figure B11




Figure B12a




Figure B12b



13. Using a Torx #20 remove the screws that are located behind the screw covers. Then fold the covers back over and shut the sliding door that covers the CD changer.

(Figure B13) 

14. Using a NRT pry the lower panel off that is below the sliding door that covers the CD changer.

(Figure B14a-b) 


15. Using a Torx #20 remove both of the the screws from each of the bottom corners of the slide cover that were hidden under the lower panel. (Figure B15a-b) 

Figure B12c



Figure B13



Figure B14a

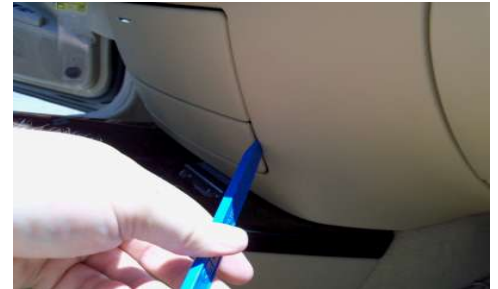


Figure B14b



Figure B15a




Figure B15b



16. Remove the sliding door that covers the CD changer by opening it up once more. Then gently pull out on the cover removing it completely from the center of the dash. You should now have a clear and unobstructed view of the CD changer and the 4 screws that secure it in place.

(Figure B16)

17. Using a Torx #20 remove the 4 screws that secure the CD changer into the dash. (These screws will not completely come out as they are designed to stay attached to the CD changer. This prevents those screws from being lost into the dash.) (Figure B17) 



18. Once the CD changer is loose pull it from the dash and place it on the drivers seat making sure as to not harm the leather or center console in doing so. (By placing the CD changer on the driver side seat it gives you adequate space to work however saves in the hassle of disconnecting all of the harnesses that attach to the CD changer.)

Figure B16



Figure B17



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. Attach red T-Taps to the black/white wire and the brown wire on the front cigarette lighter connector using pliers. (Figure C1) 
2. Connect the red wire of the supplied Power Harness #9 to the T-Tap attached to the black/white wire (accessory +) and the black wire to the T-Tap attached to the brown wire (ground-). (Figure C2a-b)
3. Secure the fuse assembly to the cigarette lighter power harness using a (1) wire tie.
4. Run the Power Harness #9 along the inside of the center console making sure to route the wire under the cross beam located toward the front of the center console. Then run the power wire up into the open space in the center dash where the CD changer was located. (Figure C3)

Figure C1



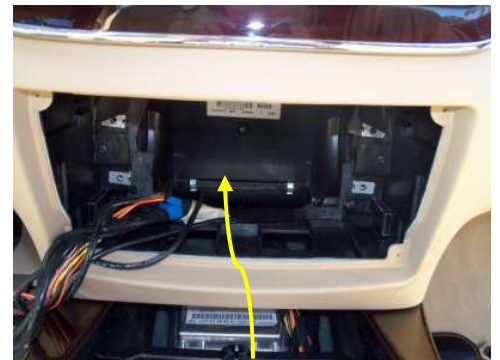
Figure C2a



Figure C2b



Figure C3



D. Mount Control Box and Route Cables

1. Make all connections to the control box using color coded connections including antenna and power cord # 9 (cables #3A (white and red) to the left and cables #3B (blue and black) to the left) (Figure D1)
2. Wrap control box with supplied Foam Tape. (Figure D2)
3. Route your double cables through the open cavity in the center of the dash. Be sure to keep your blue/black cable running to the passenger side and your red/white cable running to your driver side. (Figure D3a-b)
4. Once your cables are routed through the opening you should be able to reach them through a slight gap between the carpet and the center console of the vehicle. (Figure D4)
5. Create a service loop in your cables and pull the rest of the slack through the opening between the carpet and the center console.

Figure D1

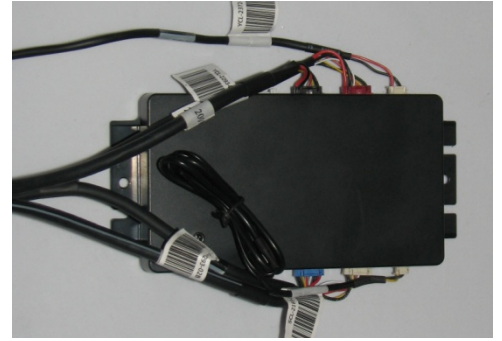


Figure D2



Figure D3a



Figure D3b



Figure D4



6. Place control box and service loop inside the cavity in the center of the dash. (Figure D6)

7. Tuck the control box up onto the ledge that is at the top of the cavity in the dash. (There should be just enough room for the box alone to fit). Allow the excess cables of your service loop to hang down the back of the CD changer compartment. (Be sure to avoid having a bundle of wire in one location as the CD changer will not slide in properly if there is too much cable run behind it.) (Figure D7)

E. Install Bracket and Monitor Assembly

1. Lifting up the leather on the upper part of the seat back locate the right headrest seat post. (Figure E1)


2. Taking a pair of pliers gently squeeze in on the release clip on the right of the seat post. While squeezing in on the clip pull up on the seat post removing it from the seat. (Figure E2) 

Figure D6



Figure D7




Figure E1



Figure E2



3. Using an NRT gently side it into the seat post opening between the seat frame and the inner seat back. Route both monitor cables through this opening and into the seat back.

(Figure E3a-c) .

4. Replace seat post cap back into seat making sure to line the release clip up with the notch on the right side of the seat frame. Then slide your monitor onto your seat posts and pull any excess cable through to back of seat. (Figure E4)

5. Snap the included bracket cover caps onto the exposed monitor bracket that surrounds the seat posts. (Figure E5a-c)

Figure E3a

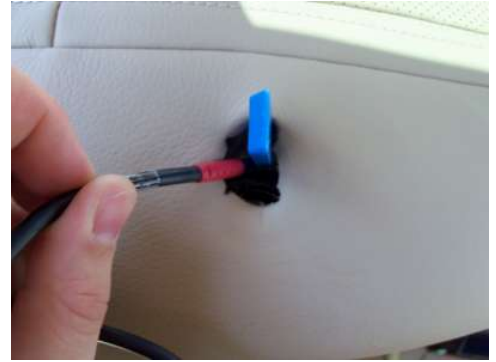


Figure E3b



Figure E3c

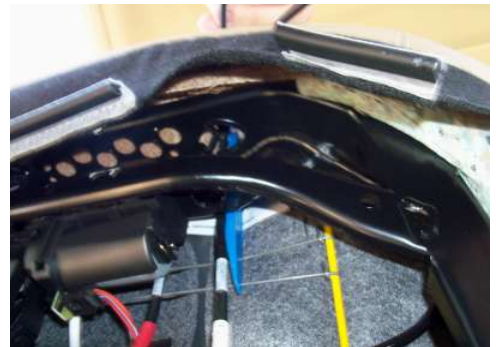


Figure E4



Figure E5a



6. Route wires through back of seat as shown being sure not to have cables caught in the power headrest assembly or in the air lumbar system that runs through the seat back. (Figure E6)
7. Route cables out the bottom of the seat following the factory harness that runs through the outside side of the seat. Be sure to keep cables away from the moving gears of the seat track by following the factory harness. (Figure E7)
8. Continue to route cables underneath the seat and use provided wire ties to strap cables up to factory wire harness underneath seat. (Figure E8)
9. Repeat steps E1- E8 on opposite side of the vehicle.

Figure E5b



Figure E5c



Figure E6



Figure E7



Figure E8



F. Headrest Cable Connections


1. Route double cables from the front control box along the center console till the break in the carpet located just forward of the back of the factory seat track. (Figure F1a-b)
2. Using a Torx #20, remove the screw from the floor vent assembly behind the seat. (Figure F2)
3. Using an NRT or your fingers pull up on the floor vent cover and remove from vehicle. (Figure F3a-b) 
4. Route double cables underneath the break in the carpet bringing the double cables out into the vent assembly opening. (Figure F4)

Figure F1a

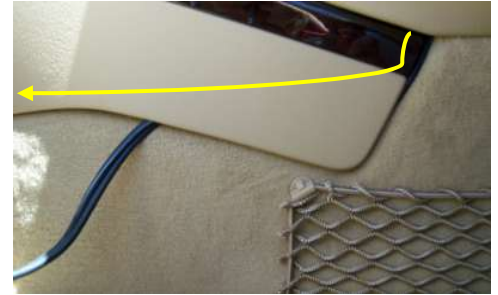


Figure F1b



Figure F2



Figure F3a



Figure F3b



Figure F4



5. Connect the double cables with the matching color of the single cables coming from the monitor assemble and secure with provided plastic cable locks and cover with provided foam tape wrap.

(Figure F5a-b)

6. Push connected cables into factory harness track that runs along the floor and under the seat making sure to push the cable connection joints in front of the lower seat bar that slides along the floor. (Figure F6)

7. Secure cables to factory harness under seat within the plastic track that runs along the floor.

8. Repeat steps F1- F7 on opposite side of the vehicle.

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.

Figure F5a



Figure F5b



Figure F6



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

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 Technical Assistance at 1-866-869-7888

Wiring Diagram

