



Kit Contents:

Item #	Qty.	Component Description
1	2	Headrest Assembly
2	2	Cables # 3
3	1	Power Cord # 9
4	1	FM Antenna
5	1	Control Box
6	2	IR Headphones
7	2	Remote Control
8	8	AAA Batteries
9	1	Owners Manual
10	1	Wire Puller
11	1	Hardware Bag

Hardware Bag Contents:

Item #	Qty.	Component Description
1	2	Red T-Taps
2	1	4" X 8" Foam Tape
3	12	6" Wire Ties
4	2	11" Wire Ties
5	4	T-Studs
6	4	Nylock Nuts
7	4	Cable Clamps
8	1	6ft 3.5mm Audio Cable

Additional Items Required For Installation:

Item #	Qty.	Component Description
1		Masking Tape
2		Electrical Tape

Recommended Tools:

Safety Tools	
Seat/ Floor Covers	Blankets
Special Tools	
None	
Installation Tools	
NRT (Nylon Removal Tool)	Pliers
Wire Cutters	Pencil
7/16" Socket	Ratchet
Snips (Side Cutters)	
Special Chemicals	
None	






Color Applicability/ Trim Level:

	Trim Level	Base	LX	EX
Vehicle Trim Color				
Alpine Gray		X	X	X
Black		X	X	X

General Applicability:

Kia Sportage Active

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 multimeter.
- 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. Unhook seatback flap from driver's side seat frame. (Figure B1)

2. Disengage clips at top of driver's seat by pushing up on bottom of seat back.

(Figure B1) 



3. Unhook J-clips on inboard side of seat. Use caution, seat frame is sharp. (Figure B3)

4. Repeat steps 1-4 for passenger side seat.

5. Engage vehicles parking brake.

6. By hand pull up on console top. (Figure B6)

7. Release tabs of gear selector boot (view from bottom side). (Figure B7)

Figure B1



Figure B2



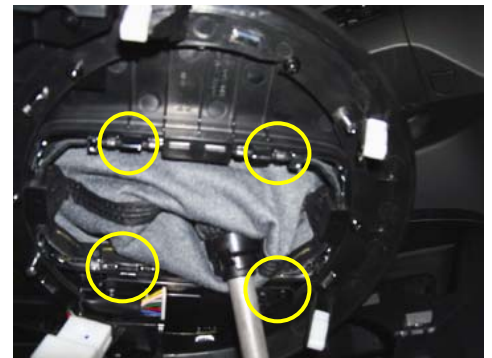
Figure B3



Figure B6




Figure B7



8. Pull boot through top then rotate console trim and place vehicle into neutral to maneuver boot through opening in shifter panel and remove from vehicle. (Figure B8)

9. Disconnect electrical connector. (Figure B9)

10. Using a #2 Phillips screwdriver, remove (2) screws from the auxiliary trim panel.

(Figure B10) 

11. Lift rear edge of auxiliary panel up and pull toward rear of vehicle. (Figure B11)

12. Disconnect electrical connectors.

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 green wire and the black wire on front power outlet connector junction of the auxiliary panel with pliers. (Figure C1) 

Figure B8



Figure B9



Figure B10



Figure B11



Figure C1



2. Attach the red wire of power cord #9 to the green factory wire and the black wire of power cord # 9 to the black factory wire. (Figure C2)

3. Route power wire and 3.5mm audio cable if applicable down driver's side console wall toward rear of vehicle. (Figure C3)

D. Mount Control Box

1. Make all connections to the control box using color coded connections including antenna and power cord # 9 (3.5mm audio jack if applicable). (Figure D1)

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

3. Secure control box to factory wiring with (1) 6" wire tie. (Figure D3)

Figure C2



Figure C3



Figure D1



Figure D2



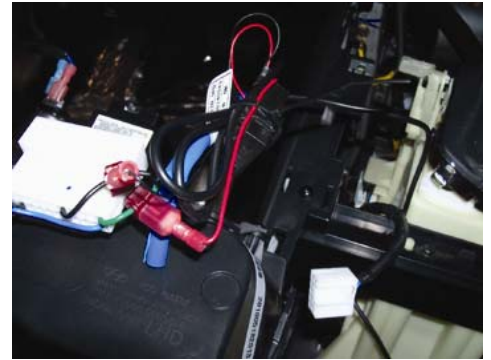
Figure D3



4. Secure excess power cord #9 and fuse holder to the factory wire with (1) 6" wire tie.

(Figure D4) 

Figure D4



E. Route Headrest Cables

1. Feed wire puller from factory wiring bundle in console rear of gear selector, below carpet and exiting at factory wiring under driver's seat.


(Figure E1a-b) 

Figure E1a




2. Attach cable #3A (white and red) to wire puller at console side. (Figure E2) 

Figure E1b



3. Pull cable through to under side of seat.


(Figure E3) 

Figure E2



4. Repeat steps 1-3 with cables #3B (blue and black) on passenger side.


Figure E3



F. Install DVD Monitor/ Bracket Assembly

1. Unhook top J-clip of driver's seat. (Figure F1)
2. Fold seat cover and foam into seat cavity.
3. Place small threaded bracket behind seat frame and hold by hand. Align holes in large bracket with threaded area of small bracket and secure with (2) bolts using a 10mm socket/ ratchet.



NOTE: Tuck cables above and to the inboard side of bracket to prevent pinching of cable between bracket and seat frame before fully securing bolts. (Figure F3) 

4. Continue to route cables toward bottom of seat, tucking between foam and seat frame. (Figure F4)
5. Enter seat cavity through opening near bottom of seat. (Figure F5)
6. Exit seat forward seat tilt bar through gap in foam and opening in bottom seat cover, travel through loop on way to under side of seat. (Figure F6)

Figure F1

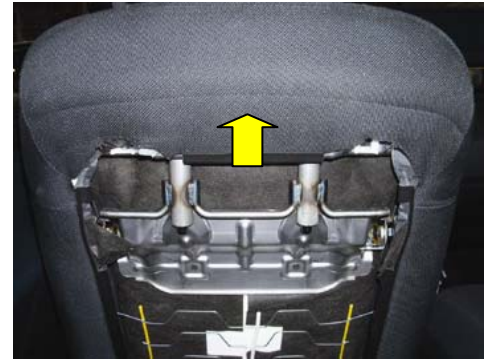


Figure F3

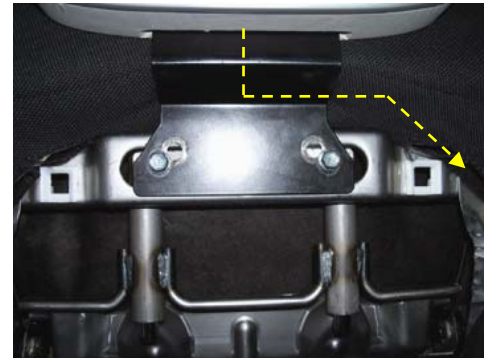


Figure F4



Figure F5



Figure F6



7. Connect cables # 1A and # 2A to cable # 3A.

(Figure F7)

8. Snap security clamp around each connection point between cables #1A and #2A to cable #3A, add wire tie to strain relief, and apply foam tape.

(Figure F8) 

9. Secure cables under seat using (3) 6" wire ties to the factory wiring on each side of cable clamps.

(Figure F9) 



10. Verify motion of seat travel. Check that cables are not near seat tracks and that they move freely with the seat without any stress.

11. Repeat steps 1-10 with cables # 1B, # 2B, and # 3B on the passenger side seat.

Figure F7



Figure F8

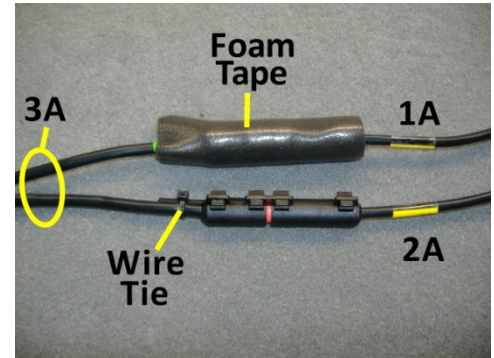
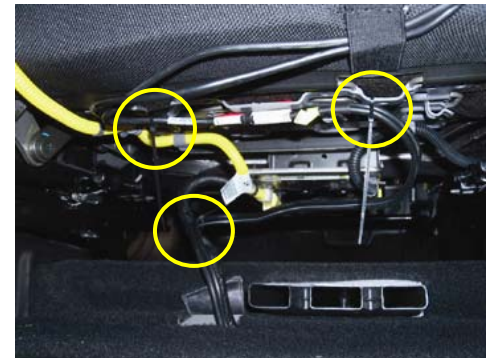


Figure F9



G. 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. When re-assembling center console route 3.5mm cable above auxiliary trim panel.

(Figure G3)

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.

Figure G3



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.

Wiring Diagram

