



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
12	4	Cable Clamps

Color Applicability/ Trim Level:

	Accessory Color	Black	Ivory	Lt Gray
Vehicle Trim Color				
Black		X		
Ivory			X	
Lt Gray				X

General Applicability:

Lexus RX Active

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	Nylon Insert Lock Nut






Additional Items Required For Installation:

Item #	Qty.	Component Description
1		Masking Tape

Recommended Tools:

Safety Tools	
Seat/ Floor Covers	Blankets
Special Tools	
Torque Wrench (36 in/ lbs)	
Installation Tools	
10mm Socket/ Ratchet	NRT (Nylon Removal Tool)
# 2 Phillips Screwdriver	Pliers
Wire Cutters	7/16" Socket
Special Chemicals	
None	

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. Press the headrest support button and pull up on the driver's side headrest to remove.

(Figure B1)

2. Disengage (2) hooks holding the front seat back board cover sub-assembly to the under side of seat. (Figure B2)

3. Remove (2) screws located at the bottom of the front seat back board sub-assembly, below the front seat back board cover sub-assembly using

2 Phillips screwdriver. (Figure B3) 

4. Pull down on the front seat back board sub-assembly to remove.

(Figure B4)

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

Figure B1



Figure B2



Figure B3



Figure B4




6. Apply the emergency brake.
7. Open the console compartment door.
8. Remove the shift lever knob by rotating counter clockwise. (Figure B8)
9. Place the vehicle in neutral.
10. Pull up on the upper console panel sub-assembly starting at the rear and working forward. (Figure B10a-b)
11. Carefully slide upper console panel sub-assembly over shift lever to disconnect electrical connectors and harness claw. (Figure B11)
12. Using a NRT (Nylon Removal Tool) pry up on the rear edge of the console box access panel. (Figure B12) 



Figure B8



Figure B10a



Figure B10b



Figure B11

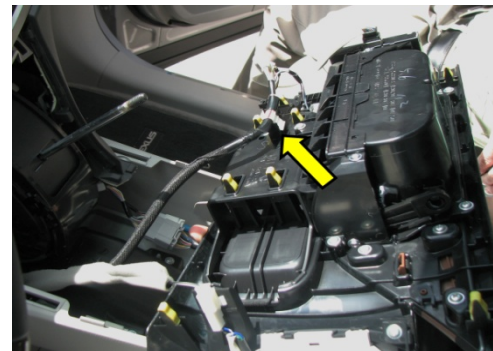


Figure B12



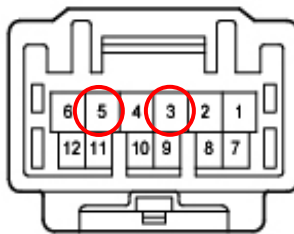
C. Install Power Wiring



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 white/ black wire (PIN # 5) and the green wire (PIN # 3) on connector UF1 of the power point circuit with pliers.

(Figure C1) 



Connector UF1

2. Attach the red wire of power cord #9 to the green factory wire (PIN # 3) and the black wire of power cord # 9 to the white/ black factory wire (PIN # 5). (Figure C2)

3. Feed power cord # 9 forward and left of the shift lever assembly. Exit cable into the console box cavity. (Figure C3)

Figure C1

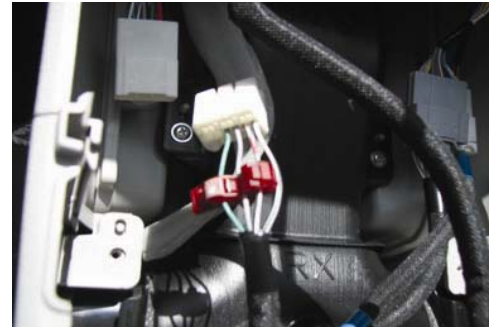
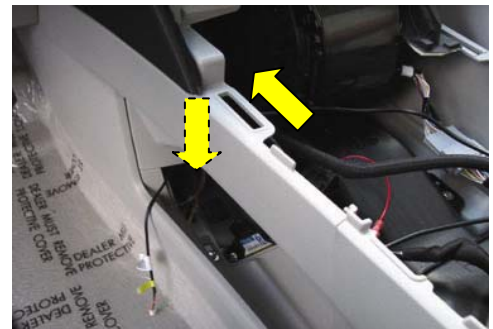



Figure C2



Figure C3



D. Route Headrest Cables

1. Feed wire puller from the factory wire opening in the carpet below the driver's seat and exit at the console box cavity. Direct toward the front inboard seat bolt trim garnish. (Figure D1a-b) 
2. Attach the barrel connector side of cable # 3A to the wire puller at the console box end. (Figure D2)
3. Pull wire puller from seat side until cable # 3A is exposed under seat. Approximately 6-7 inches. (Figure D3)
4. Repeat steps 1-3 with cable # 3B on the passenger side seat.

E. Install DVD Monitor/ Bracket Assembly

1. Unhook left and right upper J-clip of driver seat. (Figure E1)

Figure D1a



Figure D1b



Figure D2



Figure D3



Figure E1



2. Push monitor/ bracket assembly into seat (**left and right attachment feet will go between seat frame and foam**) then up to attach hooks of bracket to horizontal J-clip attachment of seat (assembly with white and red cables will be for driver side, blue and black for passenger side). (Figure E2)



3. Align holes of bracket to holes in seat frame and place T-stud from interior of seat through holes in seat frame and bracket. Repeat for opposite side. **Use caution metal edges can be sharp.**

(Figure E3)



4. Secure bracket feet using (2) bolts with a 7/16" socket/ ratchet. **Prior to fully securing bolts make sure active headrest cable is channeled through cutout of bracket, failure to do so may result in improper functionality of active headrest.** Once bracket has been secured J-clips

can be hooked to bracket. (Figure E4a-b) 

5. Route cables alongside active headrest cable and secure to bracket with active cable using (1) 6" wire tie to prevent cables for contacting fan.

(Figure E5) 

Figure E2

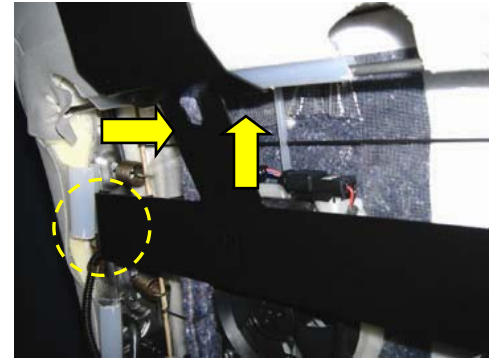


Figure E3



Figure E4a



Figure E4b

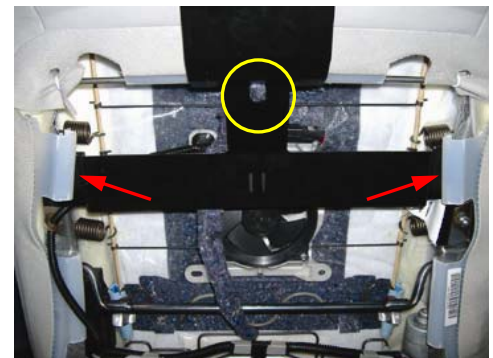




Figure E5



6. Exit cables with the factory wiring at the inboard side of seat. (Figure E6)

7. Connect cables # 1A and # 2A to cable # 3A. (Figure E7)

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 E8) 

9. Secure cables under seat using (4) 6" wire ties to the factory wiring. (Figure E9a-b) 



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 E6

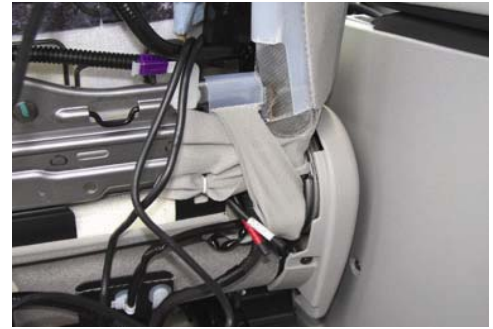


Figure E7

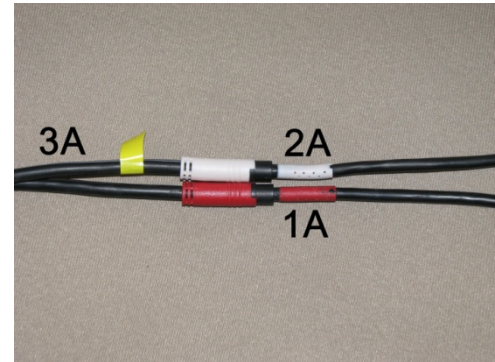


Figure E8

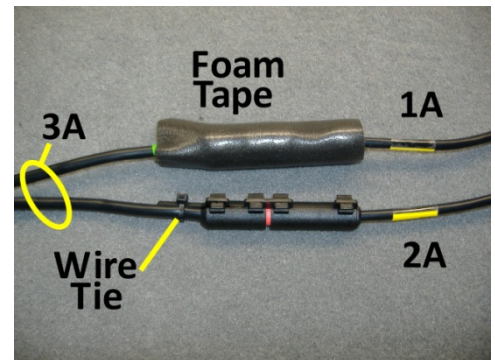


Figure E9a

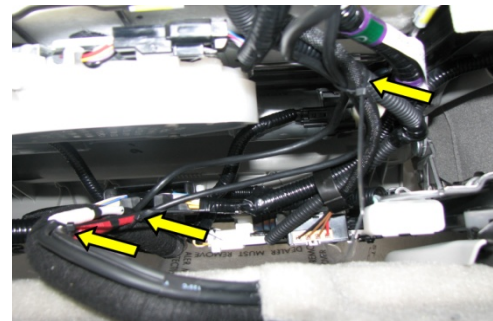


Figure E9b



F. Mount Control Box



1. Make all connections to the control box using color coded connections including antenna and power cord # 9. (Figure F1)
2. With all cables protruding toward rear of vehicle place control box on the driver's side inner wall of the console box. View is from the passenger side. (Figure F2)
3. Use foam tape to secure control box to console box wall and vehicle floor. Do not overlap airbag module with foam tape. (Figure F3)
4. Bundle excess # 3 cable using (1) 11" wire tie and place into console box cavity. Trim excess wire tie length with wire cutters (Figure F4) 
5. Using (2) 6" wire ties, bundle and secure excess power cord # 9 and fuse holder to factory wiring located in upper console cavity. Trim excess wire tie length with wire cutters (Figure F5) 



Figure F1



Figure F2



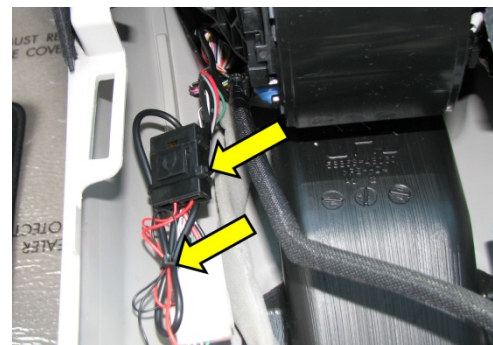
Figure F3



Figure F4



Figure F5



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.

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.

Wiring Diagram

