



Kit Contents

Item #	Quantity Reqd.	Description
1	2	Headrest Assembly
2	2	Remote Control
3	2	Cables #3
4	1	Jumper Harness
5	1	Metal Wire Puller
6	1	Owner's Manual
7	2	IR Headphones
8	8	AAA Batteries
9	1	Control Box
10	1	Hardware Bag
11	1	Fm Antenna

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	2	Blue T-Taps
2	2	10" Wire Ties
3	12	6" Wire Ties
4	1	4" x 8" Foam Tape
5	1	3"x1/2" Two Side Tape

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
		Electrical Tape

Legend

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

Recommended Tools

<b>Safety Tools</b>	
Seat/Floor Covers	Blankets
<b>Installation Tools</b>	
7mm Socket	8mm Socket
Nylon Removal Tool	Wire Cutters
<b>Special Tools</b>	
<b>Special Chemicals</b>	

**SPECIAL NOTE:**

**Installation Sequences**

After **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

**A. Pre-installation Precaution**



1. Use Seat and Floor Protectors to avoid damage to surfaces.
2. 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 reinstalled. Disconnecting the battery may cause certain vehicle settings to be lost. Manufacture's recommendations for the battery removal should be followed. Disconnecting the battery is recommended.

**B. Battery disconnect**



1. Move seats forward and recline back slightly.



2. Remove the NEGATIVE (-) battery terminal using an 8mm socket before starting any



disassembly. (Fig. B2) 

Fig.B2



### C. Disassemble vehicle trim

➔ 1. Using an NRT (Nylon Removal Tool) pry at bottom rear side of access panel on the passenger side of center console.

(Fig. C1) 

➔ 2. By hand remove panel by sliding slightly toward the rear of vehicle and pulling towards you. (Fig. C2)

➔ 3. Remove the fuse block access kick panel from the passenger side of the vehicle. (Fig. C3)

➔ 4. Remove passenger side sill plate from vehicle by pulling straight up with hands. (Fig. C4)

➔ 5. Remove passenger side kick panel from vehicle by pulling straight back by hand. (Fig. C5)

Fig. C1



Fig. C2



Fig. C3




Fig. C4



Fig. C5



➔ 6. Using an NRT to pry at bottom rear side of access panel on driver's side of center console.

(Fig. C6) 

➔ 7. By hand remove panel by sliding slightly toward rear of vehicle and pulling towards you.

(Fig. C7)

➔ 8. Remove driver side sill plate from vehicle by pulling straight up with hands. (Fig. C8)

➔ 9. Remove hood release latch cover by hand.

(Fig. C9)

➔ 10. Remove driver side kick panel from vehicle by pulling straight back by hand. (Fig. C10)

Fig. C6



Fig. C7



Fig. C8





Fig. C9



Fig. C10



- ➔ 11. Using an NRT loosen radio bezel from dash. (Fig. C11) 
- ➔ 12. Disconnect all electrical connectors on back of bezel and remove from vehicle. (Fig. C12)
- ➔ 13. Remove (4) 7mm screws from radio and slightly pull radio out. (Fig. C13) 
- ➔ 14. Disconnect all electrical connectors from rear of radio including antenna. (CAUTION: keep radio level at all times during removal.) (Fig. C14)

**D. Mount control box**

- ➔ 1. Make all connections to control box using color coded connections including antenna and jumper harness. (Fig. D1)

Fig. C11



Fig. C12



Fig. C13



Fig. C14



Fig. D1



- ➔ 2. Wrap control box in foam tape. (Fig. D2)
- ➔ 3. Route (2) 10" wire ties around the metal cross member in the bottom of the radio cavity. (Fig. D3)
- ➔ 4. With all cables protruding towards the passenger side secure the control box to the metal cross member. Using the previously installed wire ties. (Fig. D4)

**E. Route headrest cables**

- ➔ 1. Route cables #3A from radio area to access area on driver side of console. (Fig. E1)
- ➔ 2. Roll carpet on driver's side of vehicle to expose bare floor. (Fig. E2)

Fig. D2



Fig. D3



Fig. D4



Fig. E1



Fig. E2




- ➔ 3. Route wire puller along side of HVAC conduit from front to rear of seat and exit at HVAC opening. (Fig. E3a-b) 
- ➔ 4. Attach cable #3A to wire puller. (Fig. E4)
- ➔ 5. Pull cable #3A toward rear of vehicle to HVAC opening. (Fig. E5)
- ➔ 6. Transfer cable #3A from HVAC opening to factory wire exit under driver's seat. (Fig. E6)

Fig. E3a



Fig. E3b

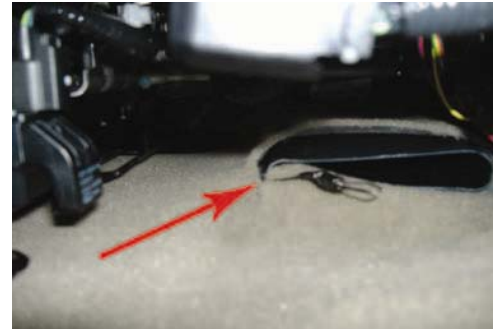


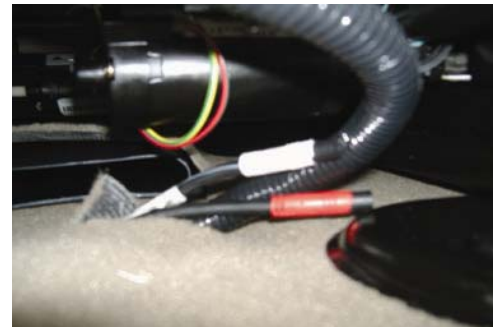
Fig. E4



Fig. E5



Fig. E6



- ➔ 7. Tuck cable #3A under HVAC conduit in front floorboard of vehicle. (Fig. E7)
- ➔ 8. Repeat for passenger side of vehicle with cable #3B.

**F. Install video headrest**

- ➔ 1. Remove driver side factory headrest while depressing release buttons. (Fig. F1)
- ➔ 2. Insert wire puller into driver outboard hole on top of seat back. (Fig. F2)
- ➔ 3. Route wire puller to inboard bottom of seat back. (Fig. F3)
- ➔ 4. Attach cable #1A to wire puller with spring clip. (Fig. F4)

Fig. E7



Fig. F1



Fig. F2



Fig. F3



Fig. F4





- ➔ 5. Pull cable #1A through to bottom of seat back. (Fig. F5)
- ➔ 6. Repeat for inboard hole of seat back with cable #2A.
- ➔ 7. Insert headrest into seat and leave at up most position, pull out all excess cable toward bottom of seat. (Fig. F7)
- ➔ 8. Wire tie cable #1A and #2A to wire harness at inboard bottom of seat back. (Fig. F8)
- ➔ 9. Connect cable #1A and #2A to cable #3A (Fig. F9)
- ➔ 10. Attach cable clamps to ensure a solid connection. (Fig. F10)

Fig. F5



Fig. F7



Fig. F8

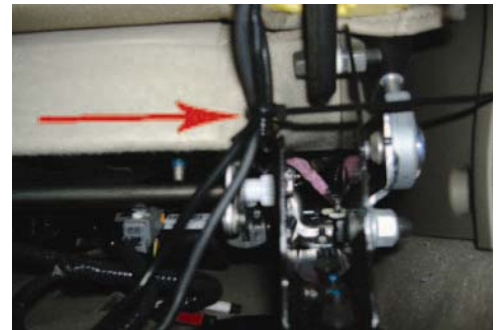


Fig. F9



Fig. F10



➡ 11. Wire tie in (3) three locations under seat.  
Verify proper and unrestricted seat travel.  
(Fig. F11)

➡ 12. Repeat process on passenger seat with  
cables #1B, #2B and #3B.

**G. Install power wiring**

➡ 1. Connect female connector from jumper  
harness to connector C290A (Fig. G1)

➡ 2. Bundle excess wire above control box and  
wire tie (Fig. G2)

**H. Reassemble trim**

➡ 1. Reassemble trim by reversing steps B and C.

**I. Complete installation**

➡ 1. Install 2 AAA batteries in each remote control  
and wireless headphone headset.

➡ 2. Place headphones and remotes in pockets  
on back of seats. Place owners manual in glove  
box.

➡ 3. Test system using steps on following page.

➡ 4. Check all previously disconnected factory  
connectors and accessories to ensure they are  
all connected and operational.

Fig. F11

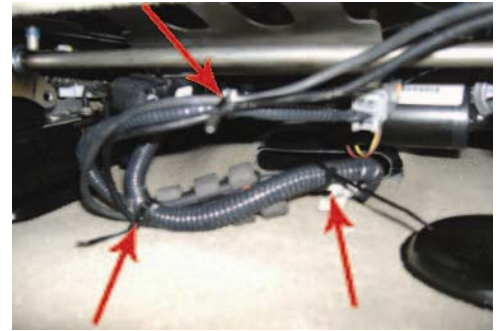


Fig. G1



Fig. G2



**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.

