## DVD HEADREST SYSTEM
### 2009 RAM

### TOOLS REQUIRED:

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### KIT CONTENTS:

- **(2) DVD Headrest Units**
- **(1) Remote Control** with **(2) AAA Batteries**
- **(2) Wireless Headphones** with **(4) AAA Batteries**
- **(1) Power / Audio Interface Harness**
- **(1) Audio Interface Module (AIM)**
- **(2) Headrest Extension Cables**
- **(1) Owner’s Manual**
- **(1) Owner’s Manual**

### HARDWARE KIT CONTENTS:

- **(2) Double Sided Tape**
- **(2) 17.5" Cable tie**
- **(36) 8" Cable Tie**
- **(2) Heat Shrink Tubing**
Prior To Installation

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

Read entire instructions thoroughly before starting.

This document covers such items as:-
  · Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
  · Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
  · Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.)

NOTES:
Removed Parts:-
Place all removed parts on a protected surface in an area where they will not be damaged.

Connectors:-
When disconnecting connectors, do not pull on the wires; pull on the connectors.

Vehicle Preparation And Protection

1. Set the emergency brake, and unlock all vehicle doors.
2. Record all radio pre-sets.
3. Open the hood and apply protective covers to the fender/grill area by the battery.
4. Remove the negative battery cable. (Figure 1.)

   CAUTION: Do not touch the positive terminal with any tool when removing cable.
Interior Preparation and Component Removal:

**NOTE:** Cover the face of the center console with a protective blanket during the removal procedure.

**NOTE:** Place Components and attaching hardware on a protective blanket outside the vehicle following removal.

**Remove the Instrument Panel Cover**

1. Remove the coin tray mat (1) from the top of the instrument panel. (Figure 2.)
2. Using a T20 torxdriver, remove the two screws (2) from the bottom storage tray. (Figure 2.)
3. Using a trim stick C-4755 or equivalent, pry and disengage the A.C. outlet trim bezel (3). (Figure 2.)
4. Using a T20 torxdriver, remove one screw (4) from above the A.C. outlet. (Figure 2.)
5. Using a trim stick C-4755 or equivalent, pry and disengage the upper instrument panel (5). (Figure 2.)
6. Using a trim stick C-4755 or equivalent, pry and disengage the lower instrument panel trim (6). (Figure 2.)
7. Using a socket wrench, remove the two 7mm bolt (1) and remove the cigarette lighter panel. (Figure 3.)

**Remove Center Console Trim (If equipped)**

**NOTE:** Place the center console trim panels on a protective blanket outside the vehicle following removal.

1. Using a trim stick C-4755 or equivalent, disengage and remove the gear shift inner trim ring (1). (Figure 4.)
2. Using a phillips screwdriver, remove one screw (2) Using a trim stick C-4755 or equivalent, disengage and remove the gear shift outer trim panel (2). (Figure 4.)
3. Using a trim stick C-4755 or equivalent, disengage and remove the Passenger and Driver lower trim panels (3). (Figure 4.)
Interior Preparation and Component Removal (continued):

Remove the Front Driver and Passenger Sill Plates

1. Using a trim stick C-4755 or equivalent, pry the sill plate (1) up from the door sill and remove. (Figure 5.)

Remove the Driver and Passenger Headrests

1. Lift and remove the headrest (1) from the passenger and driver seats (2). (Figure 6.)

Loosen Seat Back Material

1. Disengage the seat material J-clamp fasteners (1) from the bottom seat back on the driver and passenger seats. (Figure 7.)
Interior Preparation and Component Removal (continued):

Installing the Audio Interface Module (AIM)

1. Position the AIM (1) in the center of the instrument panel support bracket (2) on the inside. (Figure 8.)
2. Use two 17.5” cable ties (3) to secure the AIM to the bracket. (Figure 8.)

Routing the Power / Audio Interface Harness

Route the Audio Interface Cable

1. Connect the 14-pin connector (1) and the 2-pin connector (2) on the Power / Audio Interface Harness to the AIM. (Figure 9.)
2. Route the Audio Interface Cable up through the center of the instrument panel and insert the audio jack into the aux input of the radio (3) (see Detail A). (Figure 9.)

NOTE: Some filing to the back of the instrument panel cover may be required to prevent pinching of the Audio Interface Cable in between the radio and IP.
3. Route the Power Cable to the area where it will be connected to the cigarette lighter wires (4). (Figure 9.)

Connecting Power and Ground

1. Extract the fused ignition switch output wire terminal (DB/PK-CAV 1) and the ground wire terminal (BK/TN-CAV 3) from the cigarette lighter connector. (Figure 10.)
Routing the Power / Audio Interface Harness (continued)

Connecting Power and Ground (continued)

2. Using wire strippers, strip back and remove 1/2” of the wire jacket from the fused ignition switch output wire (LB/P) and the ground wire (BK/TN). (Figure 11.)

3. Slide one piece of shrink tubing onto each wire. (Figure 11.)

4. Solder the red fused wire (A) of the Power / Audio Interface Harness to the fused ignition switch output wire (B). (Figure 12.)

5. Solder the black ground wire (C) of the Power / Audio Interface Harness to the ground wire (D). (Figure 12.)

6. Slide shrink tubing over the soldered joint and apply heat as needed to shrink. (Figure 12.)
Routing Headrest Extension Cable

Routing the Passenger and Driver Side Headrest Extension Cables

1. Locate the Driver and Passenger Side Headrest Extension cables. The Driver Side Headrest Extension cable is identified by connector colors **BLUE** and **YELLOW** and the Passenger Side Headrest Extension cable is identified by connector colors **RED** and **GREEN**.

2. Connect the Passenger Side (1) and Driver Side (2) Headrest Extension cables to the color matched connectors on the AIM. (Figure 13.)

3. Route the Passenger Side Headrest Extension cable from AIM connections under the carpet to the center of the passenger seat and out of the air duct cutout. (Figure 14.)

4. Route the Driver Side Headrest Extension cable from AIM connections under the carpet to the center of the driver seat and out of the air duct cutout. (Figure 14.)

5. Pull enough of each Headrest Extension cable through the air duct cutout to match the length of each of the vehicle’s seat harnesses. (Figure 15.)

6. Secure the Headrest Extension cable under the Passenger seat using one cable tie (1). (Figure 15.)

7. Secure the Headrest Extension cable under the Driver seat using one cable tie (2). (Figure 15.)

**NOTE:** Image shown with seats removed for locator view only.
Installing the Passenger Side and Driver Side DVD Headrests

The Passenger Side DVD Headrest is identified by the “M1” sticker and connector colors RED and GREEN. The Driver Side DVD Headrest is identified by the “M2” sticker and connector colors BLUE and YELLOW.

NOTE: Face monitors rearward when installing.

1. Holding the DVD headrest (1) in one hand insert the two cables into the headrest support holes on the top of the seat. (Figure 16.)
2. Reach up under the back of the seat cover and pull the two cables downward as you insert the DVD headrest supports into the support holes. (Figure 16.)
3. With the DVD Headrest installed and fully extended, group the two cables together and tuck them toward the center console side of both seats (2). (Figure 16.)
4. Route the cables down the side of the seats tucking them between the seat frame and the seat cushion. (Figure 16.)
5. Pull the cables down through the used access hole (3) in the lower corner of each seat. (Figure 16.)
6. Continue routing the cables under the seat following the seat main harness. (Figure 17.)
7. Use two 8” cable ties (1) on the driver seat to attach the cables to the underside of the seat and seat main harness. (Figure 17.)
8. Use two 8” cable ties (1) on the passenger seat to attach the cables to the underside of the seat and seat main harness. (Figure 17.)

NOTE: Ensure that the cables do not deter proper seat movement and are clear of sharp edges.
In Process Functional Test

(a) Temporarily reconnect battery negative cable.

(b) Turn ignition key to ACC position.

(c) Press the power button on each of the Headrest DVD players. Verify the backlighting illuminates and the power LED illuminates bright red.

(d) Open each of the screen assemblies and insert a DVD into each of the Headrest DVD players (Disc label towards driver). Verify that the Headrest DVD players accept the discs.

(e) Press the play button on the Headrest DVD players. Verify that the DVD video is displayed on each of the LCD monitors.

NOTE: On the wireless headphones, the A-B switch allows the user to select the audio from either the M1 (Passenger Side, CH A) or the M2 (Drivers Side, CH B). When sitting in front of the M1 screen, use the CH A switch setting. When sitting in front of the M2 screen, use the CH B switch setting.

(f) To test the wireless headphones, verify that audio from each of the DVD players can be heard through the headphones and with the correct channel settings.

(g) Press the power button on the head unit and verify that the radio turns on.

(h) Press the AUX button on the head unit and verify that the audio is heard from the DVD playing in the M1 Headrest DVD (Passenger Side).

(i) Disconnect negative battery terminal.

(j) Reassemble the vehicle interior components and trim

Final Preparation

(a) Place the owner’s manual and AV cables in the glove box.

(b) Place the remote control and headphones in rear cargo area.

(c) Reconnect negative battery terminal and tighten nut.

(d) Reset Radio presets.