

## Toyota Tundra CrewMax w/Non Sunroof 2011 -

## 8.5 Overhead Video

Part Number: 00016-00125-07

Accessory Code: ED80

**Conflicts:**

- |                                   |
|-----------------------------------|
| 1.) Third Passenger Front Seating |
| 2.) Sunroof                       |

**General Applicability:**

Non Sunroof model
Front Bucket seats only

**Color Applicability/ Trim Level:**

Accessory Color	Pewter	Shale
<b>Vehicle Trim Color</b>		
Dk Gray	X	
Sand Beige		X

**Kit Contents:**

Item #	Qty.	Component Description
1	1	Monitor Assembly
2	2	Trim Ring Assembly (Shale/Pewter)
3	1	Bracket Assembly
4	1	Cutout Template
5	1	Hardware Bag

**Recommended Sequence of Application**

Item #	Accessory	

\* Mandatory

**Hardware Bag Contents:**

Item #	Qty.	Component Description
1	2	1/4-20 Rivnut
2	5	Red T-Tap
3	5	Red Male Spade
4	4	1 1/2" x 8" Foam tape
5	2	1/4-20 x 1" bolt
6	2	M6 x 10mm Washer Bolt
7	6	6" Wire Tie

**Additional Items Required For Installation:**

Item #	Qty.	Component Description

**Recommended Tools:**

<b>Safety Tools</b>	
Blankets	Fender cover
<b>Special Tools</b>	
Rivnut Setter 1/4-20 Mandrel	Torque wrench 36 in / lbs
<b>Installation Tools</b>	
T-20 Torx Driver	Ratchet
NRT	Razor Knife
10 mm Socket	Tape
8mm Socket	Pencil
Pliers	#2 Phillips Screwdriver
<b>Special Chemicals</b>	
50/50 Alcohol/Water Solution	

**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.**SAFETY TORQUE:** This mark indicates that torque is related to safety.**REVISION MARK:** This mark highlights a change in installation with respect to previous issue.**SPECIAL NOTE:**

After TMS and 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 in any order to make the installation 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 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.

**B. Battery disconnect**


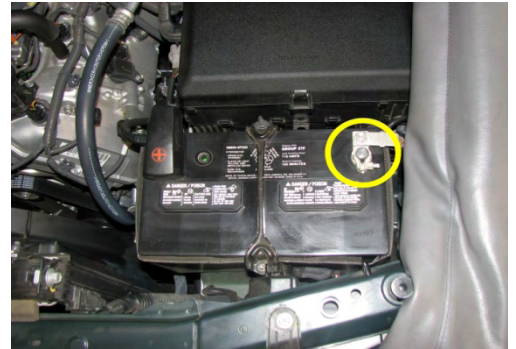

1. Remove the NEGATIVE (-) battery terminal using a 10mm socket/ ratchet before starting any disassembly. (Figure B1) 

Figure B1



### C. Vehicle Trim Disassembly

1. Lower overhead console from headliner by removing six (6) screws with a T-20 torx driver.


(Figure C1) 

2. Disconnect electrical connection from backside of console and set aside. (Figure C2)

3. Remove wire cover above rear view mirror by sliding downward and unclipping from base.

**NOTE:** Only if factory EC mirror exists in vehicle.

(Figure C3)

4. Remove lens from overhead dome lamp by prying front edge with a NRT. (Figure C4) 

5. Pull dome lamp down from rear edge, disconnect electrical connector and remove from vehicle. (Figure C5)

Figure C1

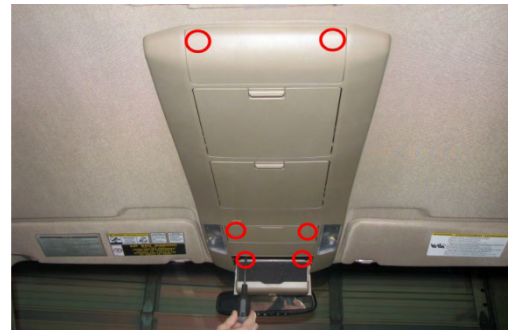


Figure C2



Figure C3

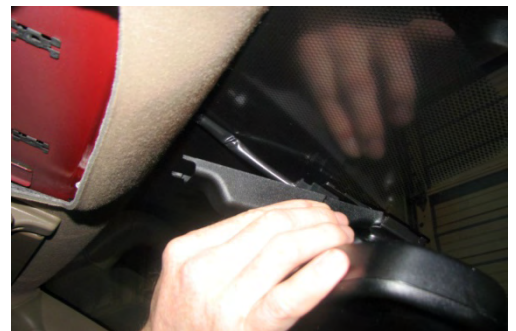




Figure C4



Figure C5



**D. Headliner preparation**

1. Apply two ¼"-20 rivnuts to the two pre-existing holes in the cross member above the dome lamp assembly using a rivnut setter. (Figure D1) 
2. Tape cutout template to headliner and use a pencil to trace the template. (Figure D2)
3. Carefully cut out tracing with a sharp razor knife. Start cuts at each corner and work toward the centers of each line. 

**E. Wiring**

1. Temporarily disconnect electrical connector W1 going to rear view mirror. Pull some slack into the console opening to connect to.

**NOTE:** If EC mirror does not exist, connector is in the headliner (Figure E1)

2. Apply red T-Taps to the Sk.Blue wire Pin #1 and the White/Black wire Pin #2 of the W1 about 6 inches back from the connector with pliers.


(Figure E2) 

Figure D1



Figure D2

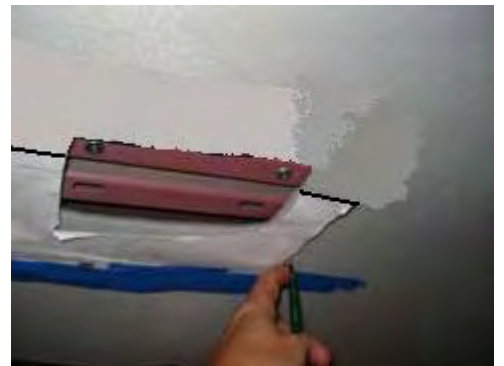


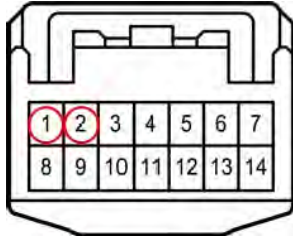
Figure E1



Figure E2





**W1 Connector**

3. Attach the 15' main power harness to the T-Taps. Red wire to Sk.Blue Pin #1 and the Black wire to the White/Black Pin # 2. Reconnect connector W1 back into mirror.(Figure E3)

4. Wrap noise filter on main power harness with foam tape. (Figure E4)

5. Attach noise filter to roof bracket using (1) 6" wire tie. (Figure E5)

6. Route harness outside foam blocks exiting monitor opening, leaving about 12" of slack. Fix to headliner with 2 pieces for foam tape (Figure E6)

Figure E3

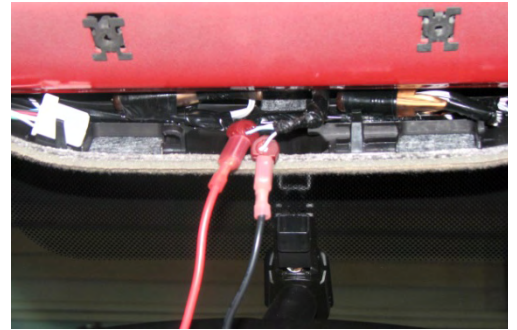


Figure E4



Figure E5



Figure E6



7. Bundle excess power wire with (2) 6" wire ties and insert above passenger side sun visor.

(Figure E6)

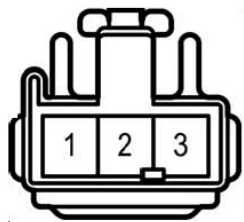
Figure E7



### F. Dome lamp harness

1. Attach one red T-Tap to each of the three wires on the **U6/W6** connector with pliers. (Figure F1)

Figure F1



**U6 Connector Sequoia**

**W6 Connector Tundra**


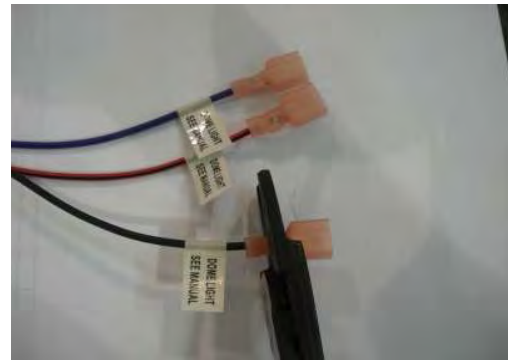
2. Crimp (3) red male spade connectors to the wire ends on the 12" harness. (Figure F2) 

Figure F2



3. Attach the video systems dome light wires to the T-Taps on the factory harness as follows:

(Figure F3)

U6/W6	OE Color	DVD Color	Function
Pin # 1	Gray	Black	12 volt
Pin # 2	White/Black	Red	Ground
Pin # 3	Pink	Purple	Door (-)

## G. Install bracket and connect wiring


1. Connect 12 pin harness to 15' power harness.

2. Install bracket with arrow pointing forward.

(Figure G2)

3. Align rear two holes with ¼-20 rivnuts installed in previous section and secure with (2) ¼-20 bolts.

(Figure G3) 

4. Install (2) M6 bolts into threaded holes in front cross member. (Figure G4) 

5. Attach RCA input and output jacks to bracket with foam tape. (Figure G5)

Figure F3



Figure G2



Figure G3



Figure G4



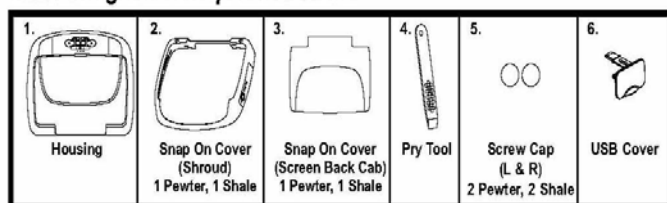
Figure G5



## H. Preparing and Installing Monitor

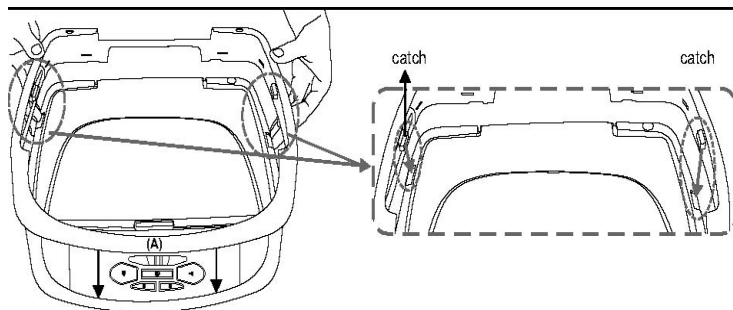
1. Attach correct color coded trim pieces to monitor.

### Installing The Snap On Covers



**Place the pod on a soft surface to avoid damaging the plastic.**

### Installing The Shroud

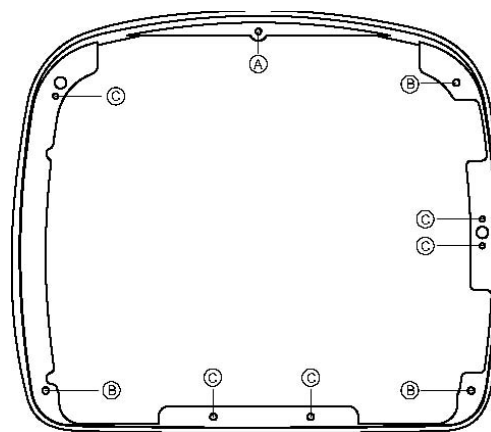


Begin by wiping down the front and back edges of the monitor housing with a 50/50 solution of alcohol and water. Then remove the thin strips of paper on front/back of shroud to expose double stick tape, hook area "A" (above) over the dome light and slide the cover over the pod. The cover will snap in place once the tabs on both sides are aligned. Press firmly where tape contacts shroud and monitor housing.

### Installing The Screen Cover

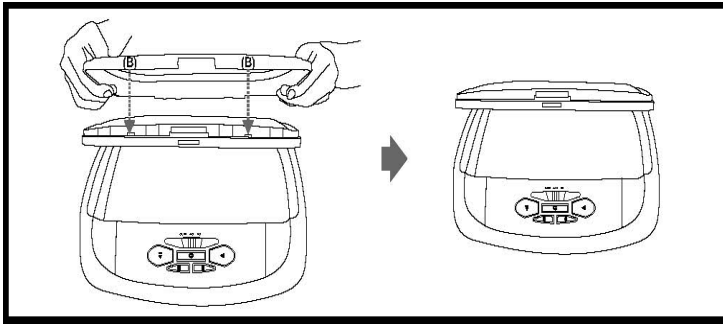
Use supplied screws to attach trim ring to unit.

- A) #4 x 5/16 Self Tapping Screws (1pc)
- B) #4 x 7/16 Self Tapping Screws (3pcs)
- C) Screws ISO 3 x 8mm Long (5pcs)



**Note:** The three screws located in the B locations will first need to be removed.





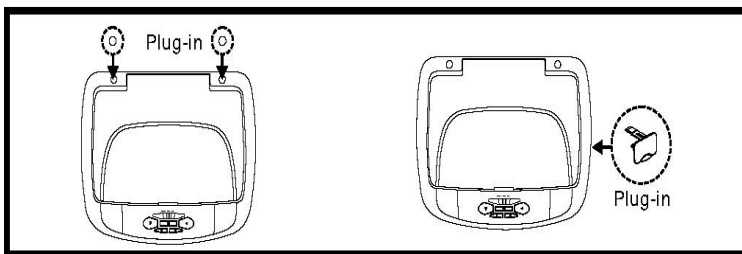
Open the screen and hook the two tabs "B" on the bottom edge of the screen. Snap the opposite side over the hinge.

2. Connect main harness to monitor. (Figure H2)

3. Install monitor with (4) M5 screws using #2 Phillips head screwdriver. (Figure H3)

4. Install USB cover and screw caps.

**Note:** Screw caps are labeled L&R



## I. Complete Installation


1. Install 2 AAA batteries in each of the wireless headphones and the game controller. Pull battery protection strip from remote.

Figure H2



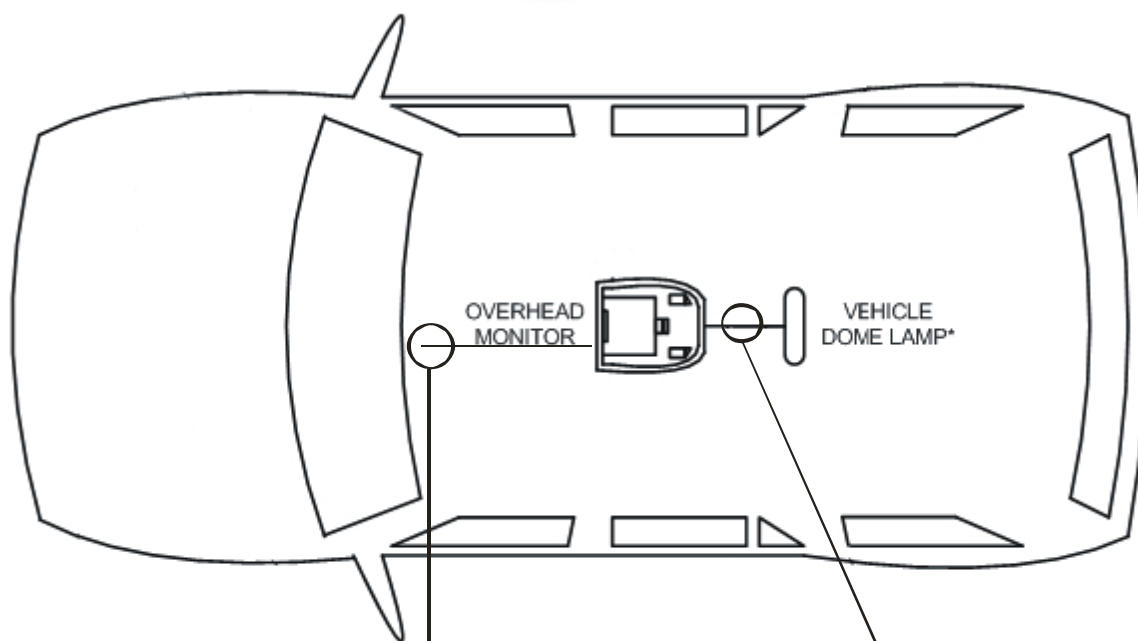
Figure H3



2. Connect battery negative cable and torque to 36 in. lbs. 
3. Check all previously disconnected factory connectors and accessories to ensure they are all connected and operational.
4. After testing with steps on following pages, carefully re-assemble vehicle by reversing steps in section C.
5. After testing, store owner's manual and RCA adapter cable in glove box. Store remote, game controller, and headphones in rear cargo area of vehicle.

## VEHICLE FUNCTION CHECK

AFTER ALL PANELS, COVERS, AND COMPONENTS HAVE BEEN REINSTALLED, THAT WERE REMOVED, TEST THOROUGHLY, ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY.

**Wiring Diagram**

**MAIN POWER**  
12V (+) RED  
GND (-) BLACK

**DOME LAMP NEGATIVE (-) DOOR PIN SWITCH**  
GND (-) RED/BLACK  
12V (+) BLACK/RED  
DOOR PIN (-) PURPLE/BROWN

\*Actual dome lamp location may vary. See installation instruction body for detailed vehicle information.



## Functional Verification:

**Check****Look For****Accessory Function checks:**

Turn vehicle ignition to ON, depress power button on remote control for monitor.

Monitor should power on, start up screen should appear on screen.



Insert DVD into monitor, press enter.

DVD should begin playing.



Depress "FMM" on remote control. Tune vehicle FM radio station to channel displayed on screen.

FMM "ON" and FM channel displayed on screen.

**Note:** Install factory antenna mast for proper reception.



Depress "FMM" on remote control. Tune vehicle FM radio station to channel displayed on screen.

FMM "OFF" and FM channel displayed on screen. Vehicle radio should operate normal



Turn power "ON" wireless headphones (turn Volume dial up slightly on headphones).

Program on ADV29 monitor should be audible through wireless headphones.



Slide dome lamp switch on monitor to "ON".

Both lights on monitor should turn on.

**NOTE:** In order to change the radio frequency for FM modulation, press TV on the remote control, than press SYSTEM MENU in order to enter the system menu and change the frequency. This is done by going to FMM and pressing ENTER, toggle down to FMM SELECT and choosing the desired frequency.



*Troubleshooting:***Condition:****Check For:**

Unit does not power "ON"

1. Is ignition turned "ON"?
2. Is battery installed in remote control?
3. Are power connections and ground secured?
4. Check power on the vehicle side of power connection.
5. Check power on the accessory side of power connection.
6. Is vehicle fuse blown? If yes, check to see that there is not a short circuit.
7. Check overhead video unit for continuity to ground on black wire and power at red wire on 2 pin connector (Fig. 1). Use eyelet as ground connection for all voltage checks. If continuity and power exist, the problem lies in the overhead unit.

Sound is not heard through vehicle radio

1. Is "FMM" turned on?
2. Does vehicle radio station match radio station displayed when "FMM" is turned "ON"?

Sound is not heard through wireless headphones

1. Are batteries installed?
2. Is power "ON" (headphones)?
3. Is volume turned "UP" (on headphones)?
4. Is anything blocking signal between monitor and headphones?

Vehicle has poor sound

1. Turn off "FMM" on monitor

Interference caused by local radio station

1. Use FMM Select to step through setup menu to choose a different channel.

IR Sensor inoperative

1. Verify that the battery in the remote is fresh.
2. Verify that the remote sensor eye is not obstructed.
3. Verify that the infrared transmitter is affixed over the sensor eye of the component to be controlled.

No picture

1. Verify the correct video input mode is used.

Unit powers up but no audio and/or video

1. Try another disc format (Note: not all DVD formats are compatible with player).