

Toyota Sienna

2011 -

iPod Interface

Part Number: 00016-00117

Accessory Code: RI40



Conflicts

- 1. Radios equipped with USB input jack
- 2. iPod Shuffle

General Applicability

Radio model numbers (Use "SAT" button) P1841

Color Applicability/Trim Level

| | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Accessory Color | | | | | | | | | | | | | | | | | | | | | |
| | Vehicle/Trim Color | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Kit Contents

| Item # | Qty | Description |
|--------|-----|--------------------|
| 1 | 1 | Main Module |
| 2 | 1 | Main Power Harness |
| 3 | 1 | iPod Cable |
| 4 | 1 | Hardware Bag |
| 5 | 3 | Information Card |
| | | |
| | | |
| | | |

Vehicle Service Parts (may be required for reassembly)

| P/N | Qty | Description |
|----------------|-----|--------------------|
| 00016-00117-01 | 1 | Main Module |
| 00016-00117-02 | 1 | Main Power Harness |
| 00016-00117-03 | 1 | iPod Cable |
| | | |
| | | |
| | | |
| | | |
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| | | |

Hardware Bag Contents

| Item # | Qty | Description |
|--------|-----|-------------------|
| 1 | 2 | 25" Cable Ties |
| 2 | 1 | Foam Mounting Pad |
| 3 | 1 | Grommet |
| 4 | 6 | 8" Cable Ties |
| | | |
| | | |

Legend

* Mandatory

| | |
|--|---|
| | 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. |
| | SAFETY TORQUE: This mark indicates that torque is related to safety. |

Recommended Tools

| | |
|---|-----------------|
| Safety Tools | |
| | |
| Special Tools | |
| Torque wrench - 36 in. lbs. | |
| INSTALLATION TOOLS | |
| Ratchet w/extension | 10 mm socket |
| Diagonal wire cutters | Common pliers |
| Flashlight | Nylon trim tool |
| 1 1/8" / 29mm Hole saw | De-burring tool |
| Tape measure/ Ruler - Standard & Metric | |
| Black electrical tape | |
| Special Chemicals | |
| | |

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 steps in any order to make the installation as efficient as possible while maintaining consistent quality.

INSTALLATION PREPARATION

Before starting installation

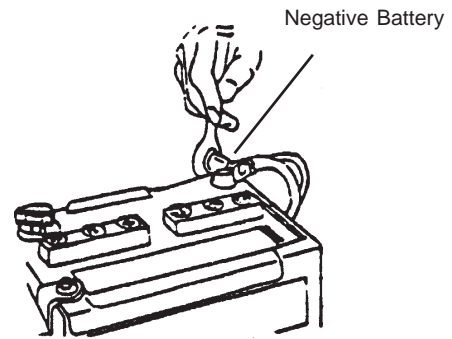
1. Familiarize yourself with the installation instructions.
2. Inspect kit components (Refer to kit contents and hardware bag contents).

VEHICLE PREPARATION

1. Place protective coverings on vehicle.
2. Record radio presets and remove any cd's.
3. **"IMPORTANT.....IMPORTANT"**
Disconnect Negative Battery Cable
4. Remove the instrument panel cluster panel garnish by pulling rearward to disengage the (9) retaining clips and (1) claw.

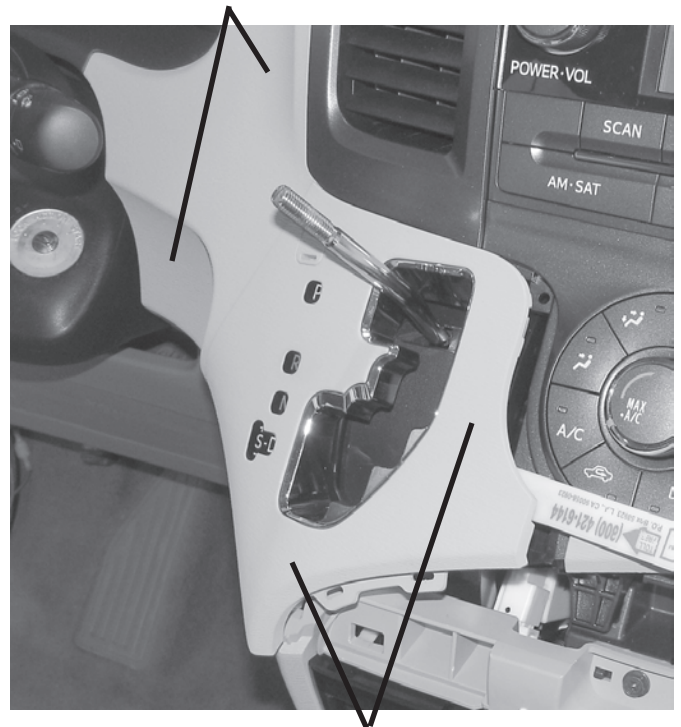


5. Remove the shift lever knob assembly by turning the shift lever knob counter-clockwise.



6. Remove the floor shift position indicator housing sub-assembly by disengaging the (4) retaining clips.

Retaining Clips



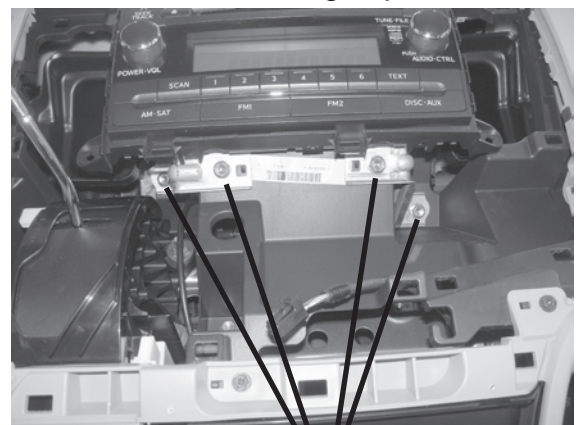
7. Remove the HVAC control assembly by disengaging the (6) retaining clips. Disconnect the connector attached to the HVAC assembly.

Retaining Clips



8. Remove the (4) 10mm bolts securing the radio to the dash assembly. Remove the radio from the vehicle and place in a secure location to prevent damage to the radio or any surrounding trim panels.

Retaining Clips



10mm Bolts x 4



The factory audio harness must be disconnected from the rear of the radio before it is removed from the vehicle.

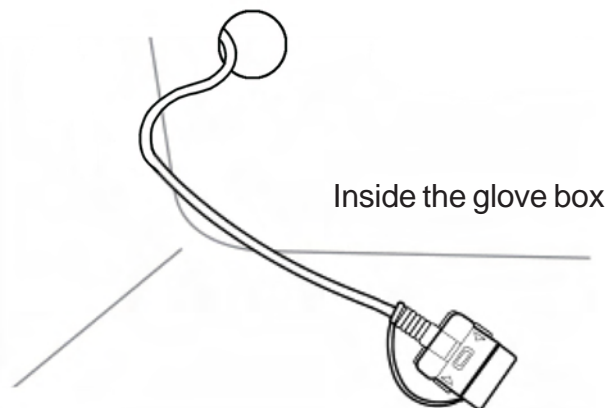
INSTALLING THE IPOD INTERFACE

1. Refer to the vehicle service manual and remove the glovebox.
2. Using a 1 1/8" (29mm) hole saw, make a round hole which the cable can pass at the location on the glove box shown.

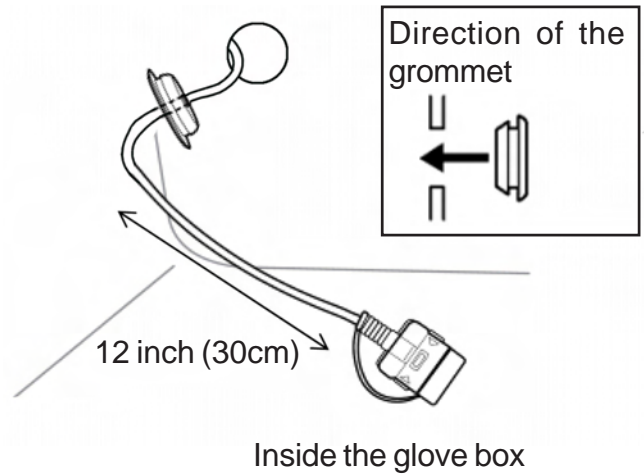


3. De-bur the drilled hole and clean shavings from the glove box after drilling.

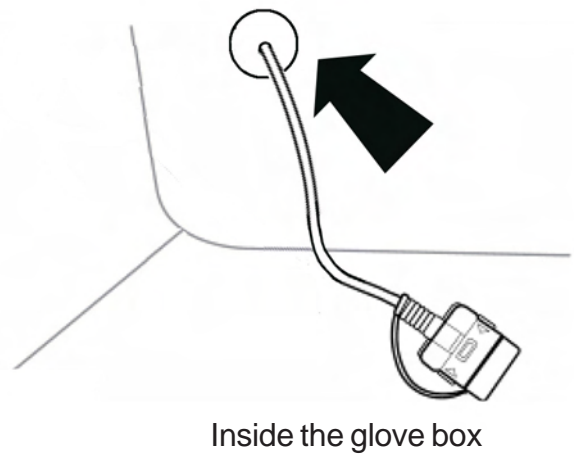
4. Route the iPod cable terminal into the hole from outside of the glove box.



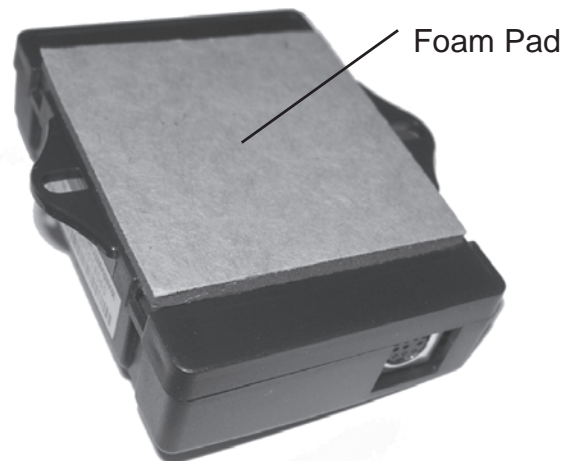
5. Install the grommet to the hole from inside of the glove box.



6. Secure the grommet to the hole from the inside of the glove box.



7. Install the provided foam pad to the back of the iPod Interface module.

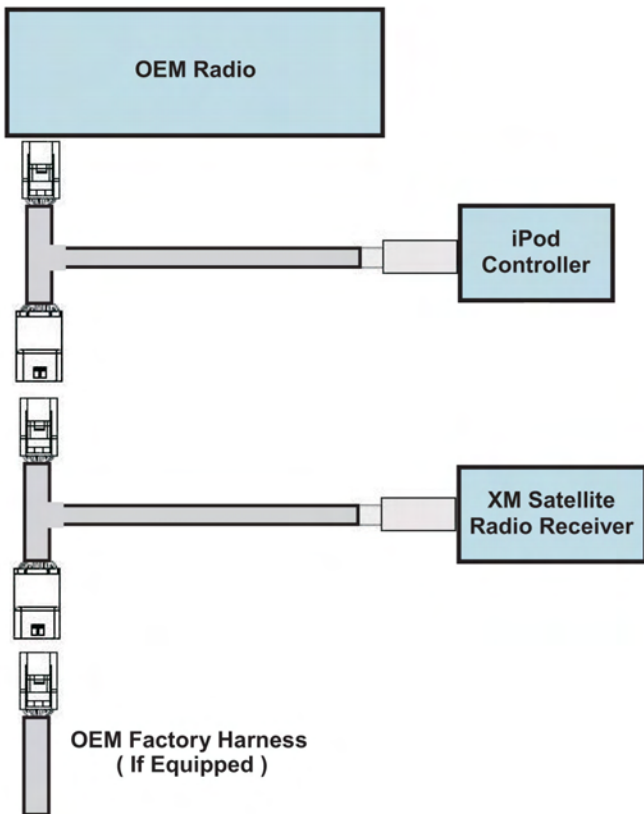


8. Plug the (8 Pin) end of the iPod connection cable into the iPod Interface module.

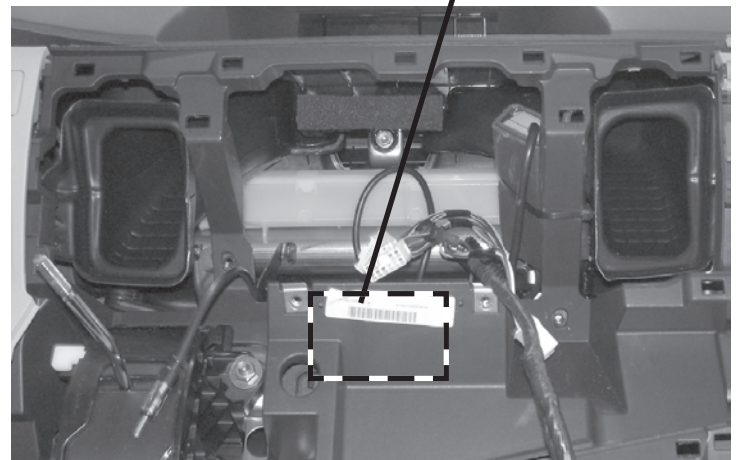
9. Connect the (24 Pin) end of the iPod Interface to radio cable into the iPod Interface.



iPod Interface Module
(Hidden from view)

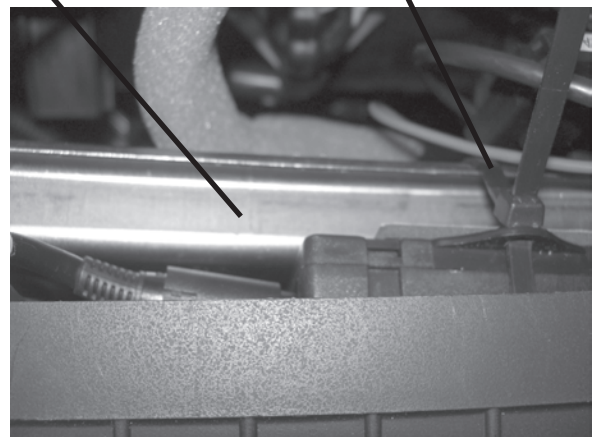


10. Secure the iPod Interface module to the large factory metal brace located below the radio with (1) wire tie.



Factory Brace

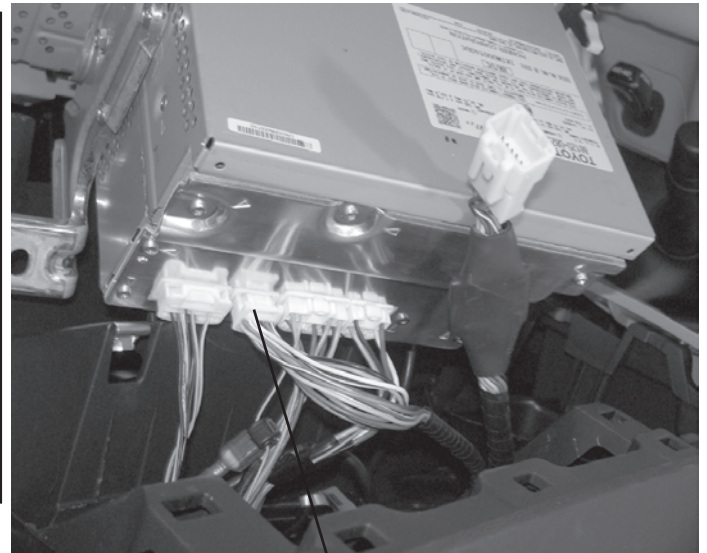
Wire Tie



Non - XM Radio's only!

11. Connect the iPod Interface harness to the radio.

- A. Plug in the (12 Pin) male connector into the back of the radio.



XM Radio's only!

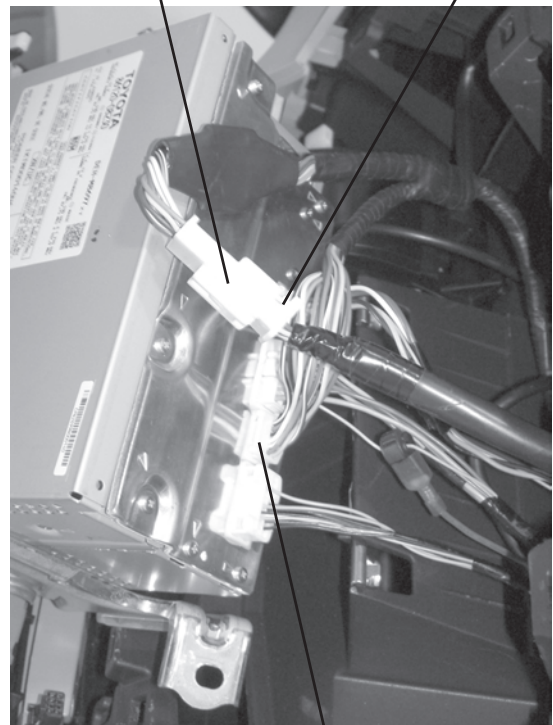
11. Connect the iPod Interface harness to the radio.

- A. Unplug the factory satellite (12-pin) male connector from the back of the radio.
- B. Plug in the factory (12 Pin) male connector into the female (12 Pin) of the iPod Interface Module harness.
- C. Plug in the male (12-pin) iPod Interface Module male connector into the back of the radio.

iPod Interface Female
(12-pin) Connector

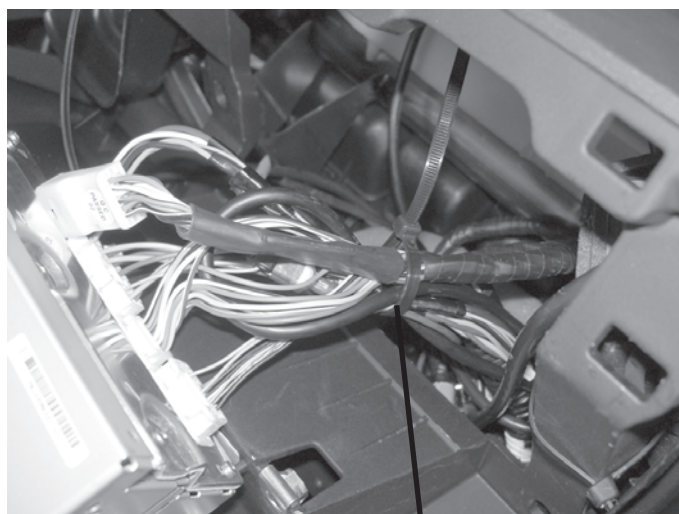
iPod Interface Male
(12-pin) Connector

Factory Male (12-pin)
Connector

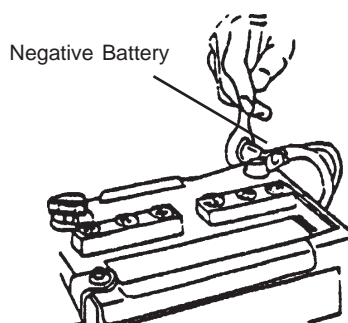


iPod Interface Male
(12-pin) Connector

12. Secure the iPod Interface Module harness with (1) wire tie to the existing factory harness connected to the radio with (1) wire tie.



13. Reconnect the negative battery terminal. Torque to 36in. lbs.



REINSTALL RADIO AND ASSEMBLE ALL REMOVED PANELS TO THE VEHICLE :

1. Refer to the vehicle repair manual, reconnect all radio connectors to the back of the radio.
2. Refer to the vehicle repair manual and reinstall radio back into the dash assembly.
3. Refer to the vehicle repair manual and reassemble all panels that were removed for installation back onto the vehicle.

⚠ The iPod Interface comes pre-programmed to work through the satellite radio controls on most radios. For vehicle's equipped with the satellite tuner built into the radio or radio's without the SAT button, you must switch to the DISC/AUX controls, see application chart below. Refer to the "*iPod INTERFACE PROGRAMMING*" section on the next page.

| RADIO MODEL# | DISC/AUX or SAT | USE INFORMATION CARD |
|--------------|-----------------|----------------------|
| P1841 | SAT | TYPE 2 |
| | | |
| | | |
| | | |
| | | |
| | | |

iPod INTERFACE PROGRAMMING:

This step is only necessary for vehicle's equipped with XM Satellite receivers built into the radio or radio's not equipped with a SAT button.

1. Turn the ACC of the vehicle to the ON position.
2. With the radio ON, select the FM1 radio band.
3. Within 5 seconds, tune the FM1 radio band to its lowest frequency (usually 87.7).
4. Select the FM2 radio band, and within 5 seconds, tune the FM2 radio band to its lowest frequency (usually 87.7).
5. Select the FM1 radio band again, and within 5 seconds turn the radio volume to **zero (0)**.
6. Select the FM2 radio band again, and within 5 seconds turn the radio volume to **zero (0)**.
7. Select the FM1 radio band again, and within 5 seconds turn the radio volume to **one (1)**.
8. Select the FM2 radio band again, and within 5 seconds turn the radio volume to **two (2)**.
9. Select the FM1 radio band again, and within 5 seconds turn the radio volume to **three (3)**.
10. Select the FM2 band again.
11. The iPod should now be accessible though the **DISC/AUX** button.

Note: If you want to change the setting of the module back to "SAT" mode, repeat the above procedure, but in step 9, turn the radio volume to "4" instead of "3".

TESTING OF THE iPod INTERFACE:

1. Turn the vehicle ignition to the ON position.
2. Turn the radio ON and plug the iPod into the interface cable.
** It may take a few moments for the iPod to sync with the interface, during this time the Ipod display may shift or change.
3. Press the SAT or DISC/AUX button on the radio.
4. Refer to the Owner's Manual or Information Card for operation instructions.

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.

VEHICLE FUNCTION CHECKLIST

THESE POINTS MUST BE CHECKED TO ENSURE A QUALITY INSTALLATION

- | | |
|--|--|
| <input type="checkbox"/> Head Light <i>If the warning lights remains on, it may indicate a system malfunction.</i> | <input type="checkbox"/> Massage Seats (if equipped) |
| <input type="checkbox"/> High Beams | <input type="checkbox"/> Power Side Mirrors (if equipped) |
| <input type="checkbox"/> Turn Signal Lights | <input type="checkbox"/> Side Mirror Defogger (if equipped) |
| <input type="checkbox"/> Tail Lights | <input type="checkbox"/> Front Windshield Defogger (if equipped) |
| <input type="checkbox"/> Stop Lights | <input type="checkbox"/> Navigation System (if equipped) |
| <input type="checkbox"/> Backup Lights | <input type="checkbox"/> Rear Sunshade (if equipped) |
| <input type="checkbox"/> Hazard Lights | <input type="checkbox"/> Cruise Control Light (if equipped) |
| <input type="checkbox"/> Marker Lights | <input type="checkbox"/> Steering Wheel Audio Control (if equipped) |
| <input type="checkbox"/> Dome/Courtesy Lights | <input checked="" type="checkbox"/> HVAC |
| <input type="checkbox"/> Panel/Switch Illumination | <input type="checkbox"/> Power Locks (if equipped) |
| <input type="checkbox"/> Accessory Controls/Illumination (if equipped) | <input type="checkbox"/> Power Windows (if equipped) |
| <input type="checkbox"/> Rear Window Defogger (if equipped) | <input type="checkbox"/> Gauges |
| <input type="checkbox"/> Key Sensor Buzzer | <input type="checkbox"/> Front Wiper/Washer |
| <input type="checkbox"/> Fog Lights (if equipped) | <input type="checkbox"/> Hood Latch Release |
| <input type="checkbox"/> Day Time Running Lights (if equipped) | <input type="checkbox"/> Passenger Air Bag Switch (if equipped) |
| <input type="checkbox"/> Trunk/Tailgate/Bed Lights (if equipped) | <input type="checkbox"/> Rollover Side Curtain Air Bag Switch (RSCA) |
| <input type="checkbox"/> Glove Box Light (if equipped) | <input type="checkbox"/> Horn |
| <input type="checkbox"/> ABS Light (if equipped) | <input type="checkbox"/> Seat Belt Warning Light <i>If the warning lights remains on, it may indicate a system malfunction.</i> |
| <input type="checkbox"/> Rear Wiper/Washer (if equipped) | <input type="checkbox"/> Air Bag Warning Light <i>If the warning lights remains on, it may indicate a system malfunction.</i> |
| <input type="checkbox"/> Clock (if equipped) | <input type="checkbox"/> Lamp Failure Sensor <i>If the warning lights remains on, it may indicate a system malfunction.</i> |
| <input type="checkbox"/> Accessory Power Socket (if equipped) | <input type="checkbox"/> Track/Skid Control Light (if equipped) <i>If the warning lights remains on, it may indicate a system malfunction.</i> |
| <input type="checkbox"/> Starter | <input type="checkbox"/> Tire Pressure Monitoring System (TPMS) <i>Prior to TPMS activation and Pre-Delivery Service (PDS) of the vehicle the TPMS light will blink when IG is turned on. After TPMS activation and PDS of the vehicle the TPMS light will illuminate for a few seconds and go off when IG is turned on.</i> |
| <input checked="" type="checkbox"/> Audio/Video (if equipped) | |
| <input type="checkbox"/> Power Sliding Door (if equipped) | |
| <input type="checkbox"/> Convenience Memory Settings (if equipped) | |
| <input type="checkbox"/> Heated Seats (if equipped) | |