- Accessory Installation  

Note: Difficulty stated above reflects the minimum level of expertise required to install the accessory.  
(A) Customer  (B) Dealer Technician  (C) Master Technician

Instructional Symbols / Definitions

Denotes warnings that may lead to serious physical injury or vehicle damage.  
Denotes quality processes to be checked prior to moving to the next step.  
Denotes safety equipment required to be used such as a mask, safety glasses, gloves, and hearing protection.  

Denotes cautions to be taken to avoid physical injury or electronic component damage.  
Denotes specific tools that are necessary to complete the step.  

Denotes cautions to be taken to avoid vehicle and component damage.  
Denotes instructional steps necessary to complete the process.  

Denotes instructional steps necessary to complete the process.  

Basic Required Hand Tools

<table>
<thead>
<tr>
<th>Tool</th>
<th>Tool</th>
<th>Tool</th>
<th>Tool</th>
<th>Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratchet</td>
<td>Extension</td>
<td>10mm Socket</td>
<td>Pliers</td>
<td>FMVSS 110 Compliance Information</td>
</tr>
</tbody>
</table>
| Side Cutters        | Trim Panel Removal Tool | Torque Wrench      | Center Punch        | 0.30 lbs  
|                    |                     |                     |                     | 0.14 kg (Gross Weight) |
| Deburring Tool      | Electric Drill      | Drill Bit (3/16")  | Drill Bit (3/8")   |                     |
|                     |                     |                     |                     |                     |
| Tape                | Ruler               |                     |                     |                     |

Notes to the Installer:  
1) Read the entire installation instructions prior to beginning the installation of this accessory.  
2) Make sure the vehicle is completely clean before the accessory is installed.  
3) Ensure the vehicle is properly protected in the area(s) that the accessory is to be installed.  
4) To prevent vehicle damage, never place tools on top of painted surfaces, seats, dash pad, console or floor carpet/mats.  
5) Always wear appropriate safety gear to include gloves and safety glasses when required.  
6) Factory wire colors are subject to change, please use the specified pin # in the harness connector to identify the correct wire for T-Tap installation.  
7) This accessory is applicable to automatic transmission vehicles only.
Genuine Accessories

Kit Overview

<table>
<thead>
<tr>
<th>No.</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>LED</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Wire Harness</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Switch</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Hardware Bag</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>Installation Instructions</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>Quick Reference Guide</td>
</tr>
</tbody>
</table>

Hardware Overview

<table>
<thead>
<tr>
<th>No.</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>15</td>
<td>Wire Ties*</td>
</tr>
<tr>
<td>B</td>
<td>2</td>
<td>T-Tap</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
<td>Foam Tape</td>
</tr>
<tr>
<td>D</td>
<td>4</td>
<td>Fastener</td>
</tr>
</tbody>
</table>

* Extra components intentionally placed in kit as spares. Please follow directions for proper placement of each component.

Hardware Total

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**T-Tap Installation Procedure**

Factory wire harness colors are subject to change, please use the specified pin # in the harness connector to identify the correct wire for T-Tap installation.

1. Place T-Tap on vehicle wire.
2. Using pliers, close and crimp T-Tap around vehicle wire.
3. Insert harness wire with male spade terminal end into the T-Tap.

**CORRECT**

Spade Terminal CENTERED Inside Connector

**INCORRECT**

Spade Terminal Pointed Up

Spade Terminal Pointed Down

**Extreme care must be taken to ensure that the male spade terminal is inserted into the T-Tap properly.**

Disconnecting Connectors

Click

When disconnecting connectors, press the lock tab and pull apart by grasping the connectors. DO NOT PULL ON WIRES.

When locking connectors, listen for a click indicating they are securely locked.
1. Engage the Parking Brake. Turn on vehicle.
2. Move the Shift Lever from Park (P) position to Neutral (N) position.
3. Shut off vehicle.
4. Disconnect and isolate vehicle’s negative battery cable.

**WARNING! Shock Hazard. Do not touch vehicle’s negative battery terminal to vehicle’s positive battery terminal. Serious injury and damage to the vehicle may occur.**

**Caution:** Do not damage the Shift Lever Knob or Center Console. Take care to avoid injury when removing the Shift Lever Knob.

1. Dislodge and remove the Shift Lever and Shift Boot Cover.
2. Store the removed part in a safe location for reinstallation.

**NOTE**

1. Open the Center Console Armrest Lid.
2. Dislodge eight (8) Center Console Trim Panel Clips and separate the panel from the Center Console.
3. Disconnect the Electrical Connectors from the Center Console Trim Panel.
4. Remove the Center Console Trim Panel.
5. Store the removed part in a safe location for reinstallation.

**Caution:** Do not damage the Shift Lever Trim Panel, or Center Console.

**NOTE**

1. Dislodge the two (2) Forward Tray Clips and pull it towards the rear of the vehicle to access the Electrical Connectors.
2. Disconnect the Electrical Connectors from the Forward Tray.
3. Remove the Forward Tray.
4. Set the removed part aside for use in a later step.

**Caution:** Do not damage the Forward Tray.
1. Cut out and attach the provided Template on Page 13 to the Driver Side Panel as shown with one (1) piece of tape. Line up to curved edges.

2. Mark the three (3) holes using a Center Punch.

3. Drill the top two (2) LED holes using an Electric Drill and 3/16” Drill Bit.

4. Drill a pilot hole in lower hole using an Electric Drill 3/16” Drill Bit.

5. Enlarge the lower hole using an Electric Drill and 3/8” Drill Bit.

6. Deburr the three (3) drilled holes.

7. Using a Ruler and Side Cutters, trim 3mm from one (1) fastener.

8. Install one (1) LED into the Driver Side Panel oriented so that the connector opening is pointed downward.

- The location of the trimmed fastener is the forward most hole of the LED.

---

**Genuine Accessories**

**Trim Panel Removal Tool**

1. Remove the Driver Side Panel by dislodging the two (2) Side Panel Clips and pulling the panel rearward.
2. Remove the Passenger Side Panel by dislodging the two (2) Side Panel clips and pulling the panel rearward.
3. Set aside the removed parts for use in a later step.

**Electric Drill, 3/16” Drill Bit, 19/32” Drill Bit, Center Punch, Deburring Tool, Scissors**

1. Cut out and attach the provided Switch Template on Page 11 with two (2) pieces of tape to the Forward Tray as shown. It may be necessary to temporarily move the harness out of the way.
2. Mark the one (1) Switch Hole using a Center Punch.
3. Remove the rubber tray liner and drill a Pilot Hole using an Electric Drill and 3/16” Drill Bit.
4. Enlarge the hole using an Electric Drill and 19/32” Drill Bit.
5. Deburr the one (1) Switch Hole.

---

**Switch**

1. Install one (1) Switch into the Switch Hole of the Forward Tray as shown. Make sure the switch snaps in tightly and has the correct orientation as shown above. Orientation of the light switch has the illuminated person sitting upright.

**Electric Drill, 3/16” Drill Bit, 3/8” Drill Bit, Center Punch, Deburring Tool, Scissors, Side Cutters, Ruler**

1. Cut out and attach the provided Template on Page 13 to the Driver Side Panel as shown with one (1) piece of tape. Line up to curved edges.
2. Mark the three (3) holes using a Center Punch.
3. Drill the top two (2) LED holes using an Electric Drill and 3/16” Drill Bit.
4. Drill a pilot hole in lower hole using an Electric Drill and 3/16” Drill Bit.
5. Enlarge the lower hole using an Electric Drill and 3/8” Drill Bit.
6. Deburr the three (3) drilled holes.
7. Using a Ruler and Side Cutters, trim 3mm from one (1) fastener.
8. Install one (1) LED into the Driver Side Panel oriented so that the connector opening is pointed downward.

---

**Notice:** Be careful not to enlarge the hole while deburring the hole or damage the Tray when drilling.
1. Route the Interior Light Harness (Driver Side Label) to the Driver Side Footwell Area as shown, making sure it is routed over the Center Console Crossmember.

2. Route the Interior Light Harness (Passenger Side Label) to the Passenger Side Footwell Area as shown, making sure it is routed over the Center Console Crossmember.

NOTE

- Electric Drill, 3/16" Drill Bit, Center Punch, Deburring Tool, Scissors

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1. Cut and attach the provided Template on Page 15 to the Passenger Side Panel as shown with two (2) pieces of tape.

2. Mark the two (2) holes using a Center Punch.

3. Drill the two (2) holes using an Electric Drill and 3/16 Drill Bit™.

4. Deburr the two (2) drilled holes.

5. Install one (1) LED into the Passenger Side Panel ensuring that the LED Connector opening is facing upwards.

NOTE

- Caution: Be careful not to enlarge the hole while deburring the hole.

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1. Position the Interior Light Harness in the front area of the Center Console opening.

2. Ensure the wire harness has no interference with shifter or shift lock system.

NOTE

- Ensure the wire harness does not interfere with the Shifter or Shift Lock system.

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1. Route the Interior Light Harness (Driver Side Label) to the Driver Side Footwell Area as shown, making sure it is routed over the Center Console Crossmember.

2. Route the Interior Light Harness (Passenger Side Label) to the Passenger Side Footwell Area as shown, making sure it is routed over the Center Console Crossmember.

NOTE

- Scissors, Ruler, Side Cutters

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1. Route the Interior Light Harness (Driver Side Label) Connector through the 3/8" hole opening and connect it to the LED Connector.

2. Reinstall the Driver Side Panel.

3. Cut foam tape in half with scissors to create two (2) separate pieces (each is 45x60mm).

4. Secure the Interior Light Harness to the plastic heater pipe cover using one (1) wire tie as shown.

- Trim excess wire tie material using Side Cutters.

5. Secure the Interior Light Harness against the plastic heater cover housing using one (1) foam tape.
1. Connect the Interior Light Harness (Passenger Side Label) Connector to the LED module.
2. Secure the Interior Light Harness (Passenger Side Label) using one (1) Foam Tape as shown (Piece is the other half from the original cut piece in Step 12 and should measure 45x60mm).
   - Allow enough slack in the harness to reinstall the Side Panel.

For ease of installation, be sure to connect the Passenger Side LED harness to the LED module before applying foam tape and reinstalling the Passenger Side Panel.

1. Reinstall the Passenger Side Panel.

- Refer to T-Tap installation procedure on Page 3.

- 12 Pin White Auxiliary Connector Instructions:
  2. Connect one (1) T-Tap to the Red / Orange Wire at Pin 4 of the 12 Pin White Aux Connector.
  5. Connect the Interior Light Harness Grey w/Black Stripe Wire to the T-Tap on the Blue / Orange Wire (ILL-).

- 16 Pin White Auxiliary Connector Instructions:
  2. Connect one (1) T-Tap to the Red / Orange Wire at Pin 8 of the 16 Pin White Aux Connector.
  3. Connect one (1) T-Tap to the Blue / Orange Wire at Pin 10 of the 16 Pin White Aux Connector.
  5. Connect the Interior Light Harness Grey w/Black Stripe Wire to the T-Tap on the Blue / Orange Wire (ILL-).

Caution: Wire colors are subject to change, therefore use the pin call out reference number. The pin callout is based on terminal end view of the connector.
1. Using two (2) Wire Ties, secure the Interior Light Harness to each side of the Center Console Crossmember as shown, making sure to secure any extra slack in the harness.
2. Using one (1) Wire Tie, secure the Interior Light Harness to the Center Console USB/Audio/Navigation harness as shown.
3. Ensure the wire harness has no interference with shifter or shift lock system.
4. Trim excess Wire Tie material using Side Cutters.

**NOTE**
Ensure the wire harness does not interfere with the Shifter or Shift Lock system.

1. Connect the Interior Light Harness Switch Connector to the ON / OFF Switch at the Forward Tray.
2. Reconnect all remaining Electrical Connectors to the Forward Tray.
3. Reinstall the Forward Tray.
4. Ensure the wire harness has no interference with shifter or shift lock system.

**NOTE**
Ensure wire harness does not interfere with Shifter or Shift Lock system.
Ensure all Electrical Connectors have been reinstalled to the Forward Tray.

1. Reinstall the Center Console Cover.
2. Reinstall the Shift Boot Cover.
3. Move the Shift Lever from Neutral (N) position to Park (P) position.
4. Disengage the Parking Brake.

**NOTE**
1. Reconnect the vehicle's Negative Battery Cable. Torque to:
   - 3.9 ~ 5.9N.m (0.4 ~ 0.6kgf.m, 2.9 ~ 4.3lb-ft).
2. Perform Function Check at the end of the Installation instructions.
3. Place the Quick Reference Guide inside the vehicle Glove Box.

**NOTE**
Ratchet and 10mm Socket

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Tucson Interior Light Kit
Revision Date
06/30/2015
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### HYUNDAI Genuine Accessories

**Function Check**

<table>
<thead>
<tr>
<th>Items To Be Checked</th>
<th>Results Of The Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make sure the Blue LED Interior Lights are illuminated when vehicle Headlamps are on.</td>
<td>Blue LED Interior Lights Illuminate when Headlamps are on.</td>
</tr>
<tr>
<td>Make sure Footwell Lights adjust when the vehicle dimmer switch is adjusted.</td>
<td>Interior Footwell Lights adjust according to dimmer switch position.</td>
</tr>
<tr>
<td>Check function of the Interior Lights On/Off.</td>
<td>Interior Lights turn on and off according to Switch position.</td>
</tr>
<tr>
<td>Make sure to leave the Interior Lights Switch ON after the function check is complete.</td>
<td>Interior Lights Switch is in the ON position.</td>
</tr>
<tr>
<td>Verify USB/AUX Port is functional by connecting a suitable media device to the USB port (Phone, MP3 Player, or USB drive with music).</td>
<td>USB/AUX Port connector is installed correctly.</td>
</tr>
<tr>
<td>Make sure the Shift Lever Cannot be moved out of gear without the Brake Pedal depressed</td>
<td>Shift Lever operates normally.</td>
</tr>
</tbody>
</table>

### HYUNDAI Genuine Accessories

**Troubleshooting**

<table>
<thead>
<tr>
<th>Issue / Concern</th>
<th>Item To Be Checked</th>
</tr>
</thead>
</table>
| Blue LED interior lights not illuminated | Check:  
  - switch is in ON position, pushed in.  
  - fuse is properly installed and intact.  
  - that T-Taps are installed on the correct wires.  
  - spade terminals are installed correctly to T-Tap. |
| Blue LED interior lights do not operate with the vehicle illumination circuit. | Check:  
  - switch is in ON position, pushed in.  
  - fuse is properly installed and intact.  
  - that T-Taps are installed on the correct wires.  
  - spade terminals are installed correctly to the T-Tap. |
| Blue LED interior lights do not dim with vehicle illumination circuit. | Check:  
  - switch is in ON position, pushed in.  
  - fuse is properly installed and intact.  
  - that T-Taps are installed on the correct wires.  
  - spade terminals are installed correctly to the T-Tap. |
ILL + Positive Illumination Circuit
ILL - Negative Illumination Circuit

Legend
R/O - Red w/ Orange stripe Factory Wire
L/O - Blue w/ Orange stripe Factory Wire
☐ - Wire T-Tap

HYUNDAI Genuine Accessories
Electrical Schematic

Interior Light Kit
Push Button Switch
LED Module LH
LED Module RH

Tucson
Interior Light Kit
Revision Date
06/30/2015
Page 10 of 15
Align square cut out and top line with matching vehicle contours.

SWITCH - FORWARD TRAY

2016 ~ TUCSON INTERIOR LIGHT KIT TEMPLATE
Page Blank Intentionally
Align curved edge of cut out with edge of the vehicle panels,
Align curved edge of cut out with edge of the vehicle panels curved section