

# Genuine Accessories



Vehicle Model: **Veloster**

Model Year **2019-**

Part No. **J3F68 AU000**

Language **English**

Rev. Date **1/9/2019**

Accessory: **Interior Light Kit**

Difficulty: **( B )**

**Note:** Difficulty stated above reflects the minimum level of expertise required to install the accessory:

- (A) Customer
- (B) Dealer Technician
- (C) Master Technician or Specialist

## Electronic Installation Instructions



If this is a printed copy of the installation instructions, ensure you have the latest revision by scanning the QR code or by entering the website address listed below before beginning installation. Use the latest revision date as noted by "Rev. Date" above.

[www.hyundaiaccessories.com/admin\\_media\\_uploads/installationSheets/j3f68\\_au000.pdf](http://www.hyundaiaccessories.com/admin_media_uploads/installationSheets/j3f68_au000.pdf)

## 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 personal protective equipment (PPEs) that may be required for a step. Examples of safety equipment icons noted below:



Denotes cautions to be taken to avoid physical injury or electronic component damage



Denotes specific tools that are necessary to complete a step



Glasses



Gloves



Denotes cautions to be taken to avoid vehicle and component damage

**N  
O  
T  
E**

Denotes important information to be reviewed during the step

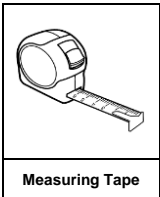
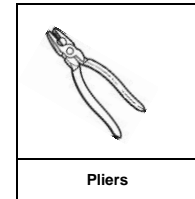
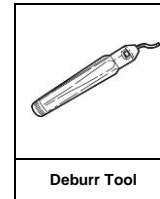
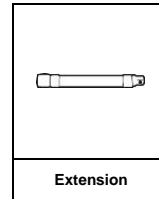
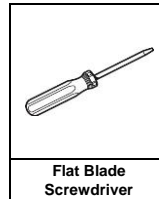
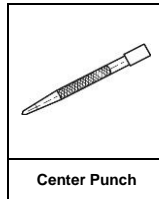
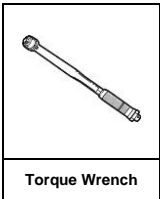
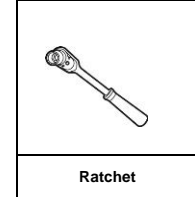
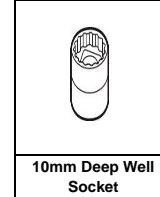
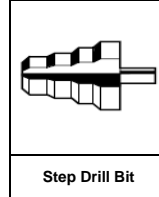
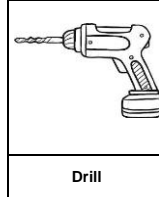
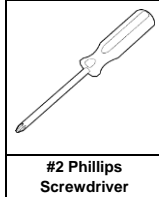


Mask



Hearing Protection

## Basic Required Tools



## Part Weight (Gross)

**0.23**

lbs

**0.11**

kg

## FMVSS 110 Compliance Information

All dealers must determine if the Net weight they have added in the form of all options or accessories, when added to the weight of all Port/Dealer Installed options or accessories, exceeds the lesser of 1.5% of GVWR or 100 lbs. If the additional weight does exceed the lesser of the indicated thresholds, a "Load Carrying Capacity Reduced" label must be installed. A black, fine-point, indelible marker must be used to write by hand onto the label, the reduced carrying capacity in kilograms or pounds, which is the total weight of all added options and accessories.

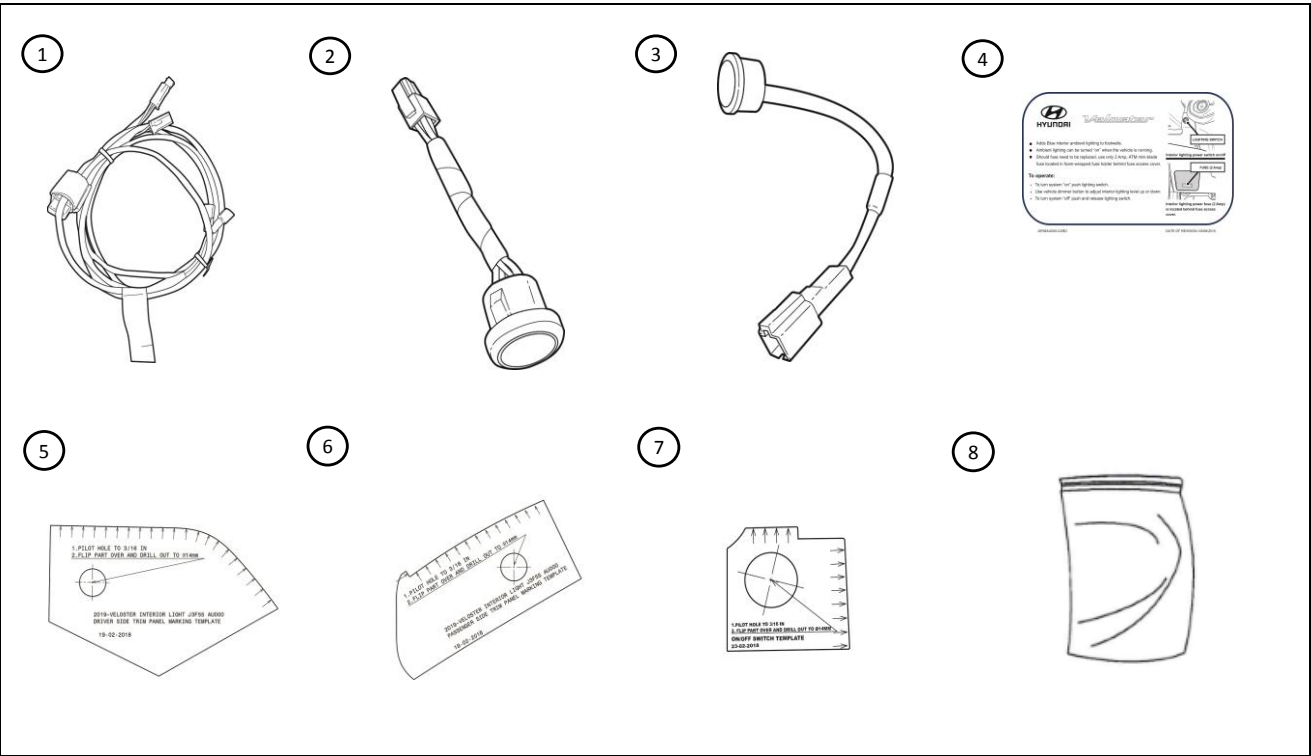
**Load Label Part Number: NP070 - 09003**

## 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 and dry in the area(s) the part is to be installed.
- 3) Ensure the vehicle is properly protected in the area(s) that the accessory is to be installed.
- 4) NEVER place tools on painted surfaces, seating surfaces, dash pad, console or floor carpet/mats.
- 5) Always wear appropriate personal protective equipment, including gloves, safety glasses, etc., when required.
- 6) Record radio presets prior to disconnecting battery power, if needed.
- 7) Ensure the transportation fuse is set to "ON" before starting the install.
- 8) Roll down the driver's window and adjust the power seats back (if applicable) prior to disconnecting battery power, if needed.

# Genuine Accessories

## Kit Overview



No.	Qty	Description
1	1	Wire Harness
2	1	Switch Pigtail
3	2	LED Pigtail
4	1	Glove Box Card
5	1	Mylar Template - Driver Side

No.	Qty	Description
6	1	Mylar Template - Passenger Side
7	1	Mylar Template - Switch
8	1	Hardware Bag

## Hardware Kit Contents

A		B		C		D	
3	Foam Tape	16	Wire ties*	3	Red T-Tap*	2	Lamp Retaining Collar

Hardware Total
24

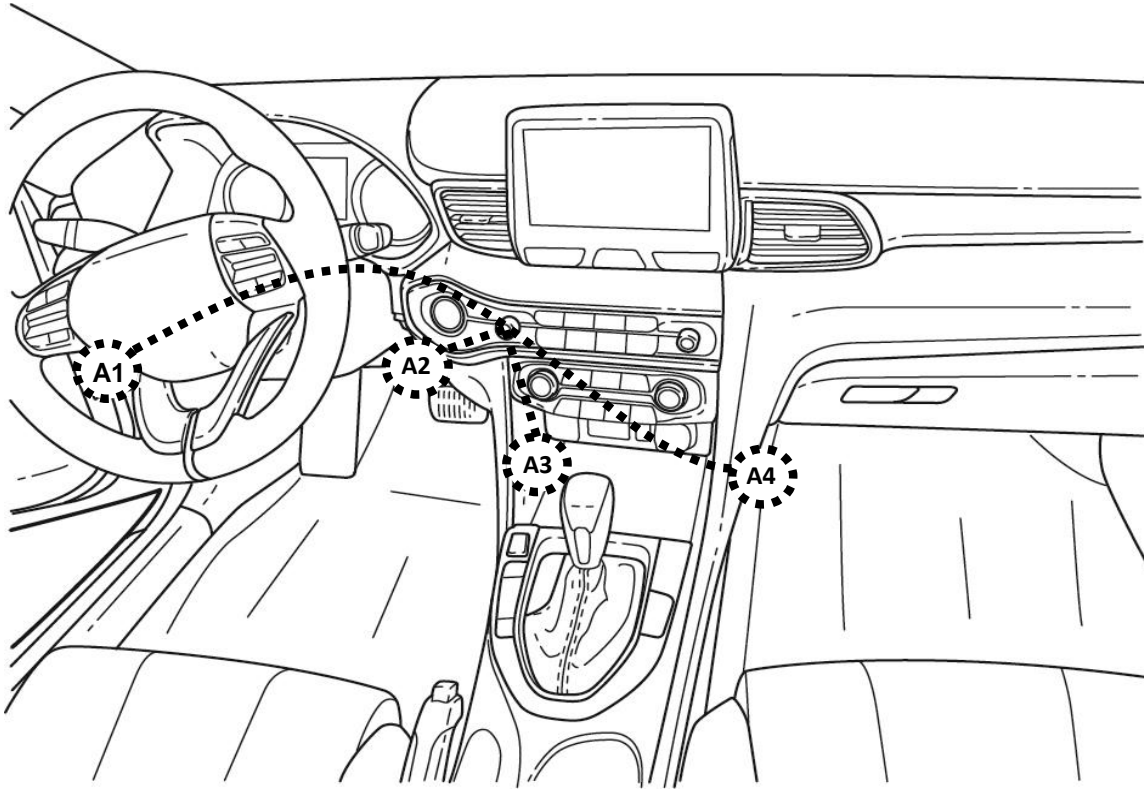
\* Indicates extra components intentionally included in kit as spares.  
Follow instructions for proper placement of each component.

## Radio Presets - record customer preset frequencies if disconnecting battery power

FM1	FM2	FM3	FM4	FM5
FM6	FM7	FM8	FM9	FM10
AM1	AM2	AM3	AM4	AM5
SAT1	SAT2	SAT3	SAT4	SAT5

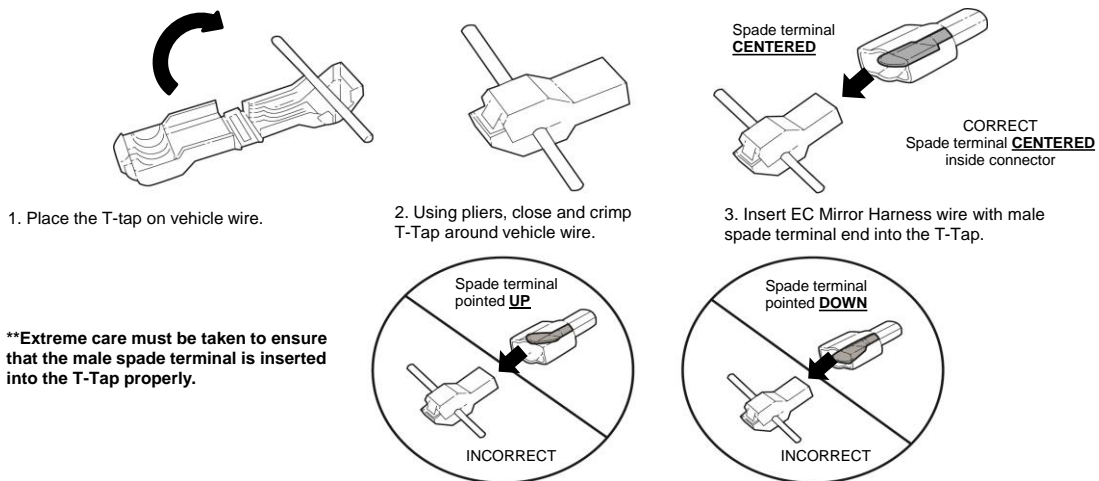
# Genuine Accessories

## Special Instructions


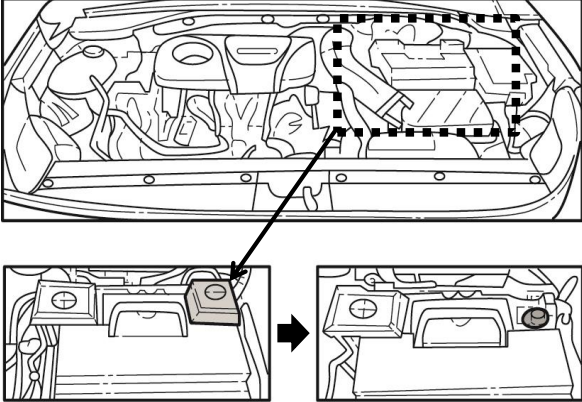
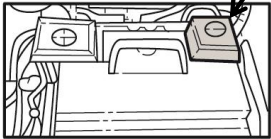
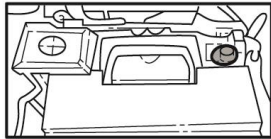





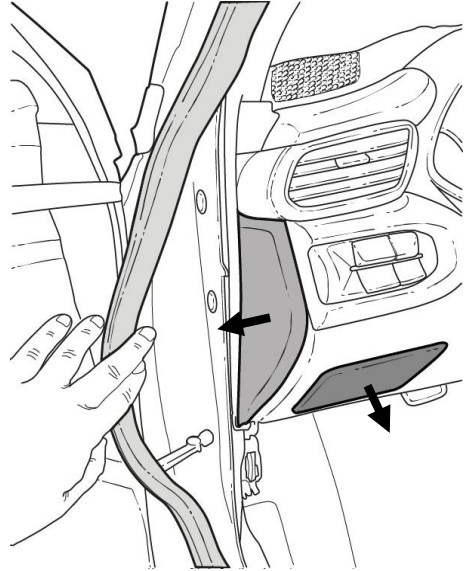

## Interior Light Harness Connector Locations For Reference


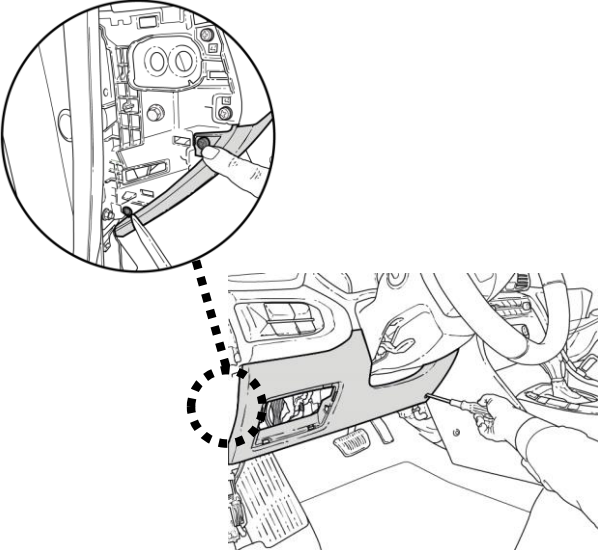

### T-Tap Installation Procedure


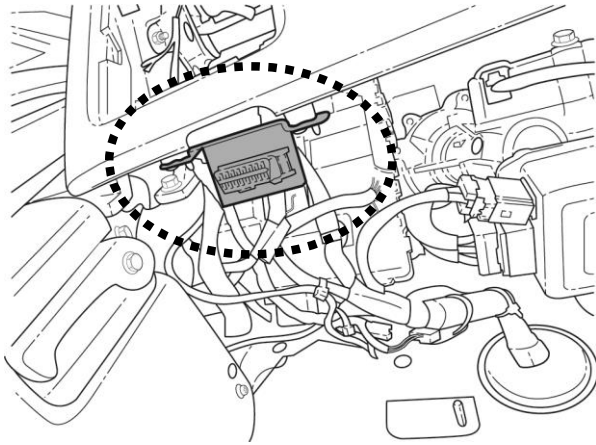


# Genuine Accessories


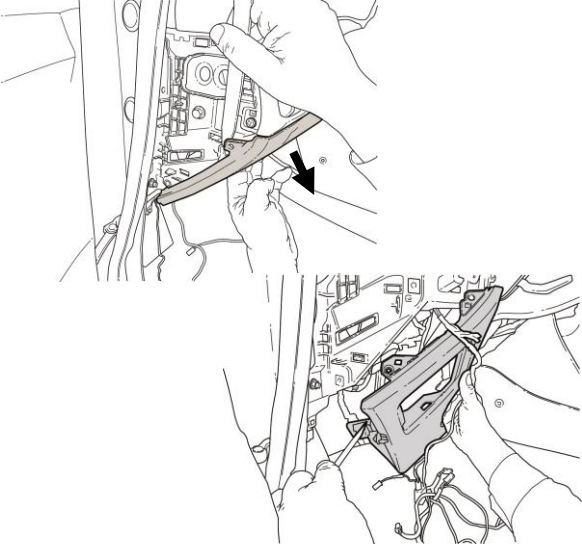

1		10mm Deep Well Socket, Ratchet and Extension
 <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  <p>Negative Battery Cover</p> </div> <div style="text-align: center;">  <p>Negative Battery Cable</p> </div> </div> <div style="text-align: right; margin-top: 10px;">  </div>		
N O T E	<p>A. Move back driver and passenger seats. B. Open hood. C. Remove cover over negative battery terminal, if applicable. D. Disconnect negative battery terminal and isolate.</p>	
	<div style="display: flex; align-items: center;">  <p><b>Warning: Shock Hazard. Do not touch vehicle's negative battery terminal to vehicle's positive battery terminal. Serious physical injury or vehicle damage may occur.</b></p> </div>	


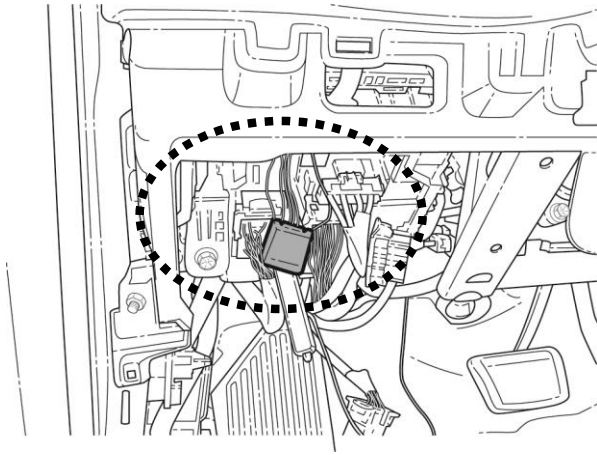
2		Trim Removal Tool
		
N O T E	<p>A. Open driver side door. B. Gently pull back door seal to clear the lower trim panel. C. Remove fuse cover and store in safe location for reinstallation. D. Carefully remove dash end cover and store in safe location for reinstallation.</p>	
	<div style="display: flex; align-items: center;">  <p><b>Caution: Do not scratch trim panels.</b></p> </div>	


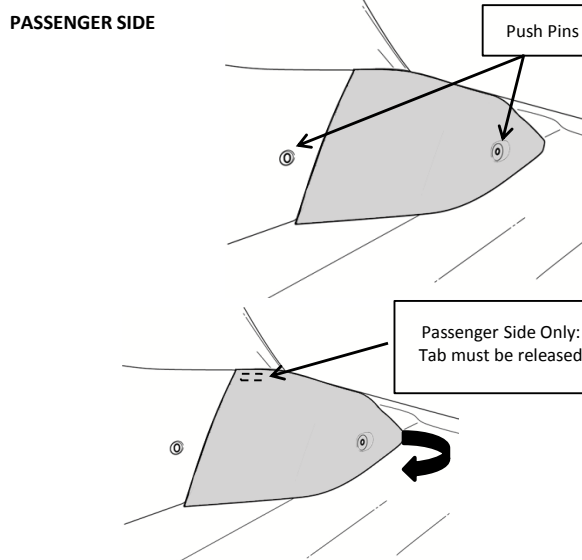
3		#2 Phillips Screwdriver
		
N O T E	<p>A. Remove three (3) Screws from lower trim panel and store safely. - Two (2) on dash end and one (1) below right side of steering wheel.</p>	
	<div style="display: flex; align-items: center;">  <p><b>Caution: Do not lose three (3) Screws.</b></p> </div>	


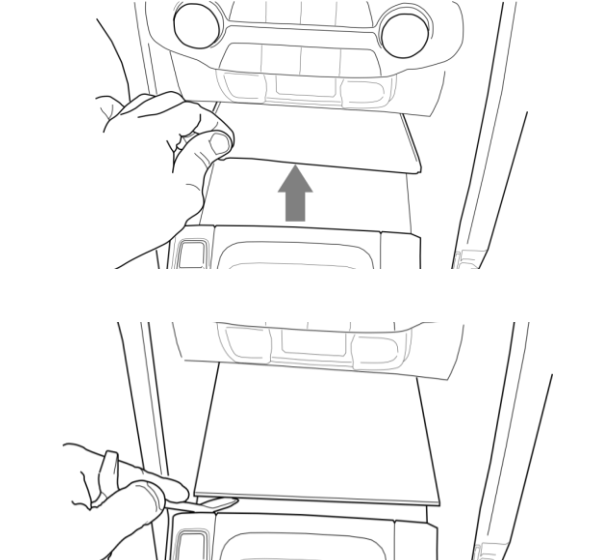

4		Trim Removal Tool
		
N O T E	<p>A. Remove OBD-II connector from lower trim panel, using trim removal tool to release both tabs.</p>	

# Genuine Accessories

5		Trim Removal Tool
		
NOTE	<p>A. Pull lower trim panel off releasing the two (2) tabs on dash end.          B. Remove the trim panel.          C. Set aside trim panel in safe location.</p>	
	<p> <b>Caution: Do not scratch trim panels.</b></p>	


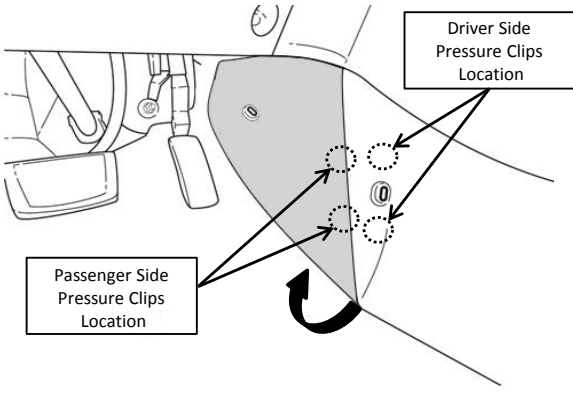

6		
		
NOTE	<p>A. Reach up behind the dimmer switch and unplug white 16-Pin connector located behind switch as shown above.</p>	


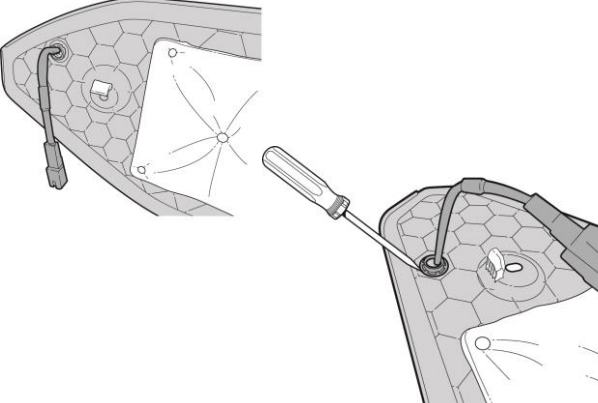
7		Trim Removal Tool
<p><b>PASSENGER SIDE</b></p>  <p>Push Pins</p> <p>Passenger Side Only: Tab must be released</p>		
NOTE	<p>A. Remove the two (2) plastic push pins from passenger's side trim panel cover.          B. Gently pull the front of the passenger's side trim panel cover to dislodge the forward portion of the panel.  <b>NOTE:</b> Do not pull the rear portion of the panel at this time.          C. Gently pull the top of the passenger's side trim panel cover to release the upper tab.          D. Repeat procedure A &amp; B on the driver's side trim panel cover.</p>	


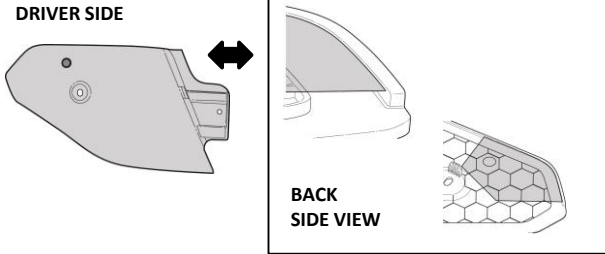
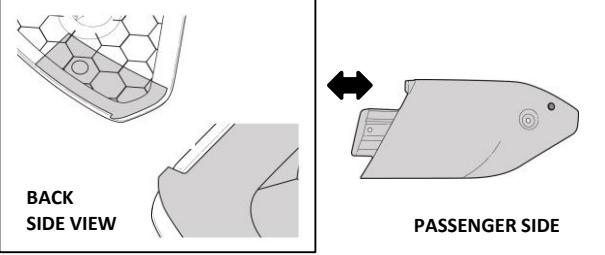

8		Trim Removal Tool
		
NOTE	<p>A. Lift and remove the rubber mat from the flat panel in front of the shifter opening. Store rubber mat in a safe location for reinstallation.          B. Using a trim removal tool, lift and remove the flat panel in front of the shifter opening. Store the panel in a safe location for reinstallation.  <b>NOTE:</b> If vehicle is equipped with wireless phone changer, disconnect the connector from the underside of the panel.</p>	
	<p> <b>Do not damage any interior trim pieces.</b></p>	


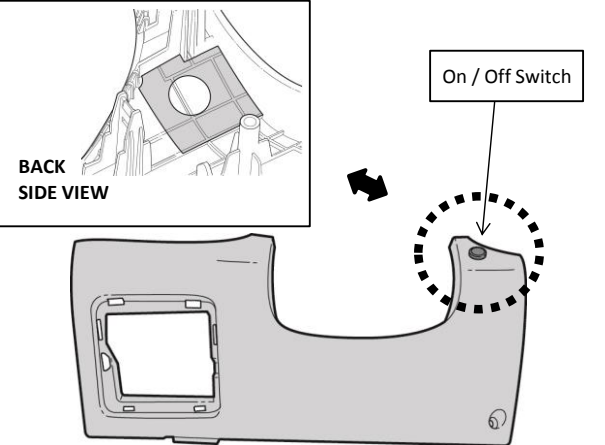



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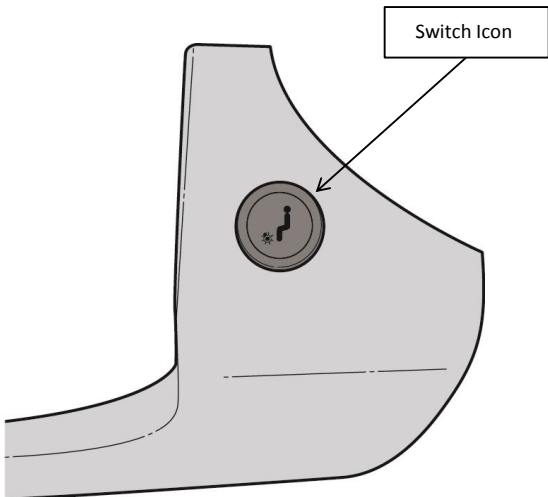
9		
<p><b>DRIVER SIDE</b></p> 		
NOTE	<p>A. On the driver's side, gently pull out on the lower trim panel as shown, to allow hand to slide up behind panel to separate the two (2) pressure clips from inner framework. Remove the side trim panel from vehicle.</p> <p>B. Repeat procedure for passenger side panel. After releasing clips be sure to pull panel far enough out for clips to clear plastic framework before rotating slightly downward to remove panel completely. Failure to pull far enough out before removal can cause clips to be deformed or break off of trim panel.</p> <p>C. Reach through front shifter opening of console to retrieve any clips that were left behind during panel removal and reinstall onto trim panel(s).</p> <p>D. Reinstall the flat panel and the rubber mat in the front shifter opening.</p> <p><b>NOTE:</b> If vehicle is equipped with wireless phone changer, ensure to reconnect the connector from the underside of the panel.</p>	
	<p> <b>Caution:</b> Make sure to retrieve any pressure clips and reinstall onto the panel(s). Do not damage any interior trim pieces.</p>	


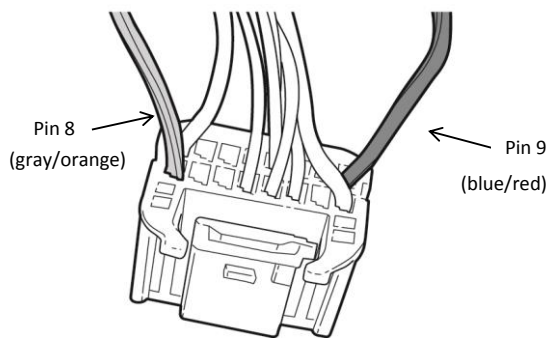

11		Flat Blade Screwdriver
		
NOTE	<p>A. Install lamps into drilled holes for both the driver and passenger side trim panels.</p> <p>B. Use flat blade screwdriver to push retaining collar onto back of lamp with both LED's positioned vertically in each side trim panel.</p>	


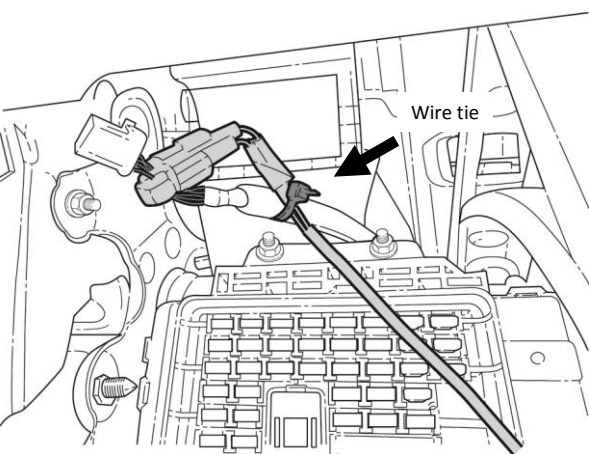

10		Center Punch, 3/16" Drill Bit, Drill, Step Drill Bit and Deburr Tool
<p><b>DRIVER SIDE</b></p>  <p><b>BACK SIDE VIEW</b></p>  <p><b>BACK SIDE VIEW</b> <b>PASSENGER SIDE</b></p>		
NOTE	<p>A. Place the side trim panels on a suitable clean workbench for Lamp hole drilling procedure.</p> <p>B. Align driver and passenger templates onto side trim panel covers as shown above.</p> <p>C. Center punch on each lamp location.</p> <p>D. Drill pilot hole using 3/16" drill bit in both panels.</p> <p>E. Flip panels over and drill 14mm holes in each panel using step drill bit.</p> <p>F. Use deburr tool if required to remove any burrs.</p>	
	<p> <b>Caution:</b> Be sure to avoid over-sized holes and removing excess materials, especially when using the step drill bit.</p>	


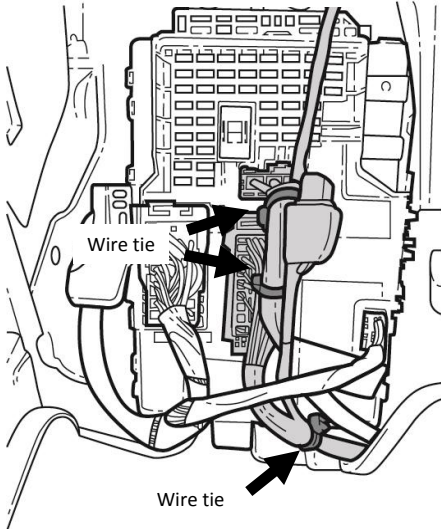
12		Center Punch, 3/16" Drill Bit, Drill, Step Drill Bit, Deburr Tool and Pliers.
<p><b>BACK SIDE VIEW</b></p>  <p><b>On / Off Switch</b></p>		
NOTE	<p>A. Align switch template onto lower trim panel as shown above.</p> <p>B. Center punch on switch hole location.</p> <p>C. Drill pilot hole using 3/16" drill bit.</p> <p>D. Drill 14mm hole. Do not run bit in/out as this will oversize the hole and the switch will be loose.</p> <p>E. Using pliers remove top and bottom ribs to allow the switch ears to seat properly on trim panel.</p>	
	<p> <b>Caution:</b> Be sure to avoid over-sized hole, especially when using the step drill bit.</p>	

# Genuine Accessories


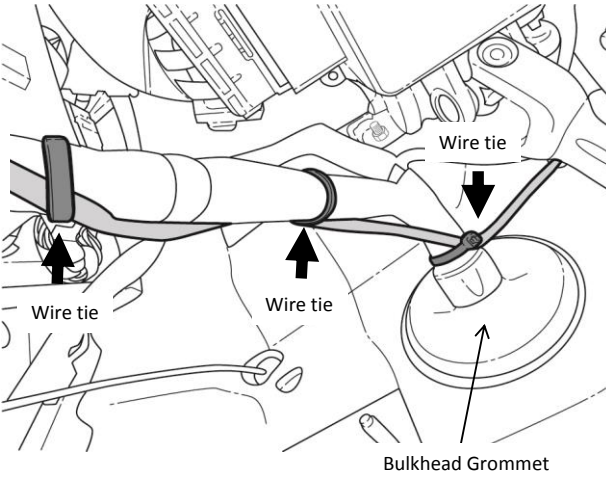

13		
		
NOTE	<p>A. Install switch to lower trim panel with icon facing vertically as shown above.</p>	


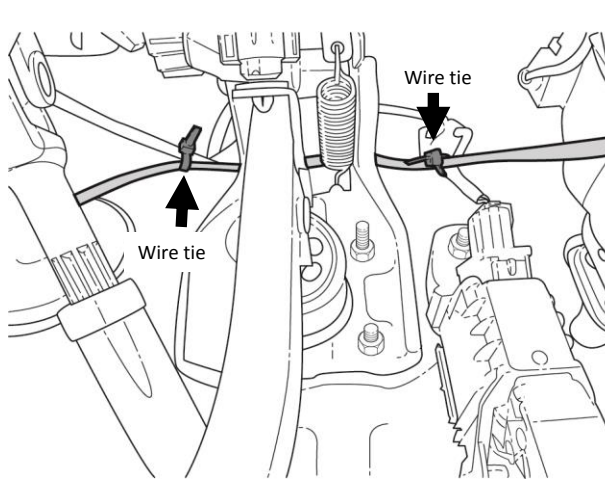

14		Pliers
		
16-PIN DIMMER SWITCH CONNECTOR		
NOTE	<p>A. Peel back insulating tape on vehicle's dimmer switch harness connector to make room as needed for installing T-Taps.          B. Refer to T-Tap installation Procedure (page 3).          C. Using pliers attach T-Tap to the power circuit (blue/red wire) in pin 9.          D. Using pliers attach T-Tap to the negative circuit (gray/orange wire) in pin 8.</p>	
	<p> <b>Caution: Be sure to install the T-Taps on correct vehicle wires.</b></p>	


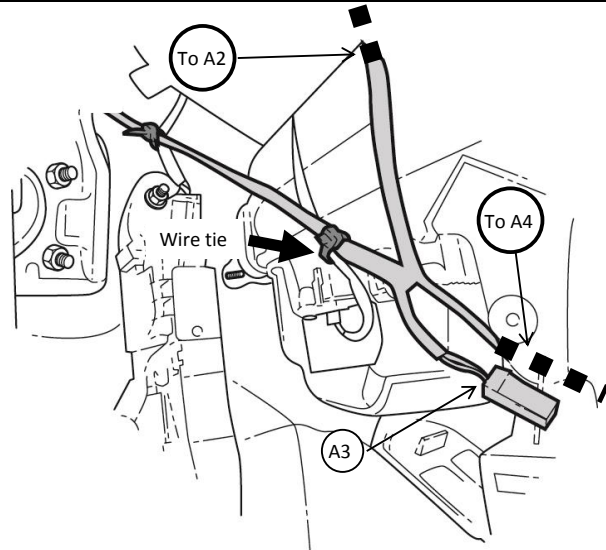

15		Wire Cutters
		
NOTE	<p>A. Route Harness to switch and mate to T-Taps.          Be sure to match the color of the circuit.          B. Wire tie behind T-Taps to switch harness for strain relief.          C. Trim excess wire tie material.          D. Plug the white 16-pin connector back into the dimmer switch.</p>	
	<p> <b>Caution: Make sure not to route the harness near sharp edges. Make sure spade terminal is properly centered in T-Tap.</b></p>	


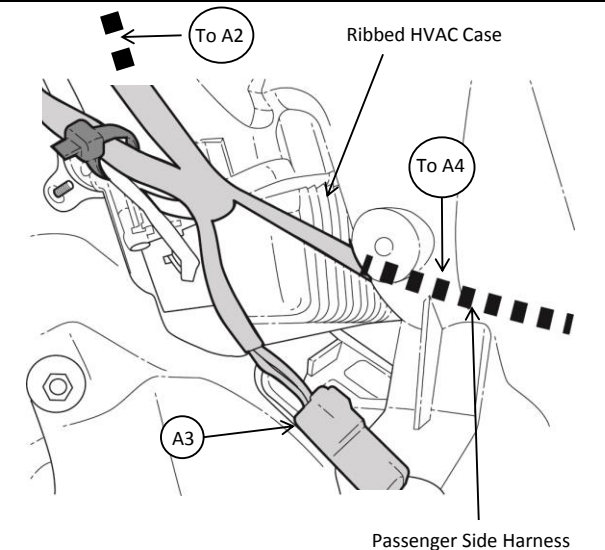

16		Wire Cutters
		
NOTE	<p>A. Route the harness to the right hand side of fuse box and down by black 4-pin connector/harness.          B. Secure the harness fuse holder and harness using three (3) wire ties as shown.          C. Ensure fuse holder does not obscure fuse block but remains accessible.          D. Trim excess wire tie material.</p>	

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17		Wire Cutters
		
NOTE	<p>A. Route harness over top of the MDPS harness and along the large factory harness over to the bulkhead grommet.</p> <p>B. Secure with three (3) wire ties as shown.</p> <p>C. Trim excess wire tie material.</p>	
	<p> Caution: Make sure not to route the harness near sharp edges. Make sure there is no slack in harness.</p>	


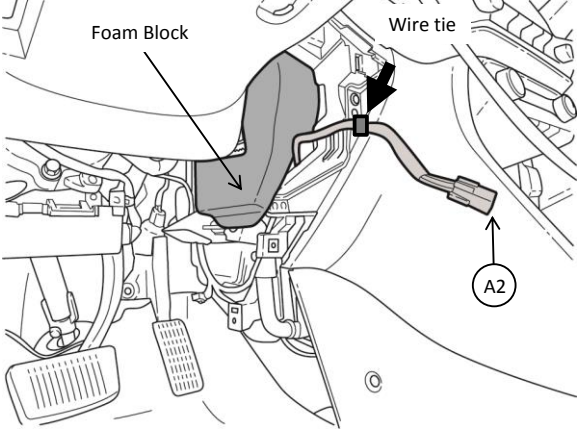
18		Wire Cutters
		
NOTE	<p>A. Route harness to the right along bulkhead carpet and feed the connectors/harnesses in between the bulkhead carpet and the upper brake pedal steel bracket.</p> <p>B. Secure the harness to the throttle pedal harness on each side of the brake pedal upper bracket with two (2) wire ties as shown.</p> <p>C. Trim excess wire tie material.</p>	
	<p> Caution: Make sure not to route the harness near sharp edges. Make sure there is no slack in harness.</p>	


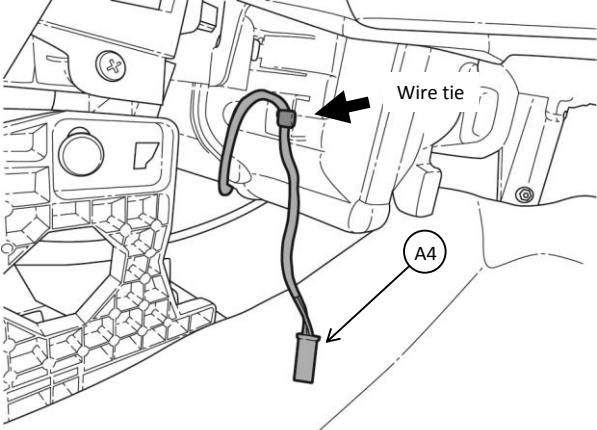
19		Wire Cutters
		
NOTE	<p>A. Route the harness down and over to side of HVAC case and secure to small black and white factory harnesses using one (1) wire tie as shown above.</p> <p>B. Trim excess wire tie material.</p>	
	<p> Caution: Make sure not to route the harness near any sharp edges.</p>	


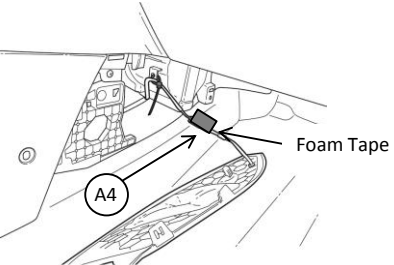
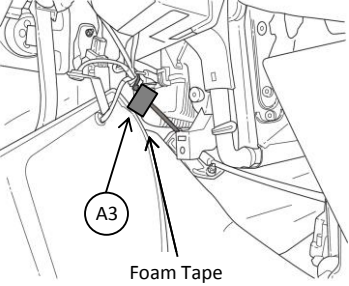
20		
		
NOTE	<p>A. Route passenger side harness through the HVAC cavity behind the ribbed HVAC case over towards the passenger side of the car.</p>	
	<p> Caution: Make sure not to route the harness near any sharp edges.</p>	


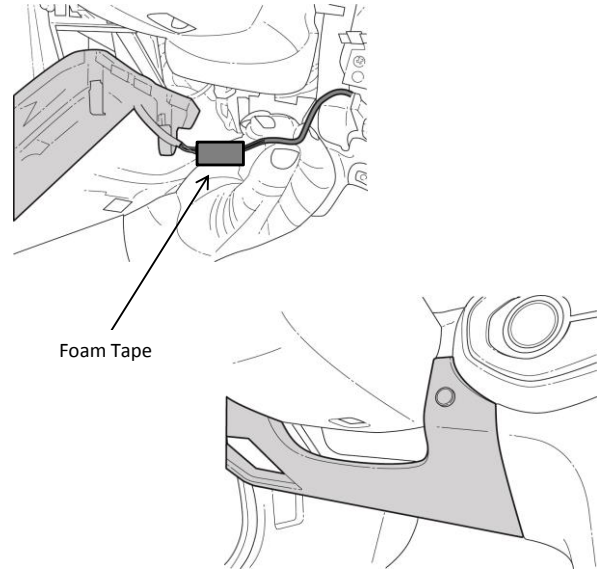


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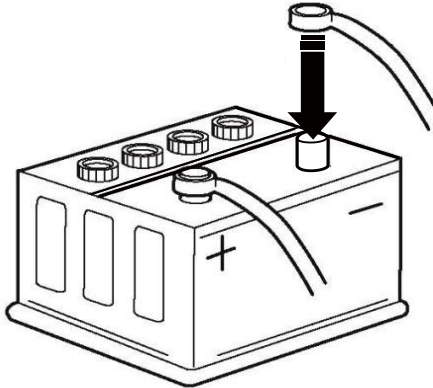
21		Wire Cutters and Measuring Tape
		
NOTE	<p>A. Route switch harness forward and up over the driver side heater duct, tuck the harness in between foam block and the lower trim panel side support.</p> <p>B. Secure harness to side support as shown using one (1) wire tie, leaving about 5" of harness free.</p> <p>C. Trim excess wire tie material.</p>	
	<p><b>Caution:</b> Make sure not to route the harness near any sharp edges.</p>	

22		Wire Cutters and Measuring Tape
		
NOTE	<p>A. On the passenger side pull the harness out from under the HVAC case and route up to case bracket securing with one (1) wire tie as shown, leaving about 5" free.</p> <p>B. Trim excess wire tie material.</p>	
	<p><b>Caution:</b> Make sure not to route the harness near any sharp edges.</p>	

23		
<p><b>PASSENGER SIDE</b></p>  <p><b>DRIVER SIDE</b></p> 		
NOTE	<p>A. Connect driver and passenger side LED to pigtail harness (white connectors). Reference Car Overview on Page 3.</p> <p>B. Wrap Foam Tape around each LED connector, as shown.</p> <p>C. Reinstall driver and passenger side trim panel covers by placing the four (4) push pins into the four (4) pressure clips.</p>	
	<p><b>Caution:</b> Make sure not to route the harness near any sharp edges.</p>	





24		#2 Phillips Screwdriver
		
NOTE	<p>A. Connect switch pigtail to wire harness.</p> <p>B. Apply foam tape over connectors.</p> <p>C. Tuck harness between foam block and trim panel.</p> <p>D. Reinstall the OBD-II connector back onto the lower trim panel.</p> <p>E. Reinstall the lower trim panel with the three (3) screws removed in step 3.</p>	
	<p><b>Caution:</b> Make sure not to route the harness near any sharp edges.</p>	

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25		Ratchet, 10mm Deep Well Socket, Extensions, Torque Wrench, #2 Phillips Screwdriver
		
N O T E	A. Reinstall the dash end cover, the fuse cover and the driver door seal.	
	B. Reinstall the negative battery cable, torque to: 5.0–6.0N.m (0.50–0.60 kg-m, 45–52 lb-in) and the terminal cover, if applicable.	
	C. Place provided fuse location card in vehicle's glove box.	
	D. Run a functional check, LEDs turn on and off through the switch as well as confirming that the dimmer switch controls light intensity with head lamps turned on.	

# Genuine Accessories




## Function Check

Items To Be Checked		Results Of The Check
	Check that the blue LED interior lights are illuminated when the vehicle headlamps are on.	Interior lights should function with the headlamps on.
	Check that the Foot Well Light Illumination changes when using the vehicle Dimmer Switch.	Interior lights should become brighter and dimmer when operating the vehicle Dimmer Switch.
	Check the On / Off function of the Switch.	Interior Lights should turn on and off when switch is operated.
	Make sure to leave the Interior lights ON after the Function Check is complete.	Interior lights are in the ON position after the Function Check is completed.

## Visual Check

Items To Be Checked		Results Of The Check
	Check that the blue LED Interior lights are illuminated in both Driver and Passenger side Foot Well areas.	Blue LED Interior Lights are illuminated.

## Troubleshooting

Issue / Concern		Item To Be Checked
	Blue LED interior lights not illuminated.	<b>Check:</b> <ul style="list-style-type: none"> <li>- the 16-pin connector is reinstalled into Dimmer Switch and locked in place.</li> <li>- switch is in ON position, pushed in.</li> <li>- fuse is properly installed and intact.</li> <li>- that T-Taps are installed on the correct wires.</li> <li>- spade terminals are installed correctly to the T-Taps.</li> </ul>
	Blue LED interior lights do not operate with the vehicle illumination circuit.	<b>Check:</b> <ul style="list-style-type: none"> <li>- the 16-pin connector is reinstalled into Dimmer Switch and locked in place.</li> <li>- switch is in ON position, pushed in.</li> <li>- fuse is properly installed and intact.</li> <li>- that T-Taps are installed on the correct wires.</li> <li>- spade terminals are installed correctly to the T-Taps.</li> </ul>
	Blue LED interior lights do not dim with vehicle illumination circuit.	<b>Check:</b> <ul style="list-style-type: none"> <li>- the 16-pin connector is reinstalled into Dimmer Switch and locked in place.</li> <li>- switch is in ON position, pushed in.</li> <li>- fuse is properly installed and intact.</li> <li>- that T-Taps are installed on the correct wires.</li> <li>- spade terminals are installed correctly to the T-Taps.</li> </ul>

## Genuine Accessories

## Electrical Schematic

