

**Part Number: PK3B6-35JL0****Kit Contents**

Item #	Quantity Reqd.	Description
1	1	Body Wire Harness
2	1	Tailgate Wire Harness
3	1	Actuator Assembly
4	1	Push Nut Retainer
5	2	Wire Protector Bezel
6	5	Wire Tie for Tailgate Wire Harness
7	38	Wire Tie for Body Wire Harness
8	5	Metal Wire Tie for Body Wire Harness
9	1	Owner's Manual

**Additional Items Required For Installation**

Item #	Quantity Reqd.	Description
1	1	3M Body Sealer C0009-08302

**Conflicts**

MY19 Tacoma Bed Light Kit
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**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
Safety Glasses/Gloves	Required
Safety Shoes	Required
Bump Cap	Required
<b>Special Tools</b>	<b>Notes</b>
<b>Installation Tools</b>	<b>Notes</b>
Ratchet	3/8" drive
Extension	3/8" drive
Socket	10mm 3/8" drive
Torx Screw Driver	T30
Torque Wrench	5.5 N-m (49 in.lbf) 5.4 N-m (48 in.lbf)
Marker	Other than black
Wire Cutter	Trim wire ties
Plastic Trim Removal Tool	
Tin Snips	Trim metal wire ties
<b>Special Chemicals</b>	<b>Notes</b>
3M Body Sealer	For Tailgate WH edge clip C0009-08302

**General Applicability**

MY19 Tacoma and newer (D-Cab Long Bed) models equipped with Accessory Connector No. 3 (Spec. 019B)

**Recommended Sequence of Application**

Item #	Accessory
1	
2	
3	

\*Mandatory

**Vehicle Service Parts** (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		
3		

**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.



**CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.



**TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended 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.



**REGULATORY MARK:** This mark indicates the component is related to regulatory compliance

## Procedure

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.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.

## 1. Disconnect the Battery

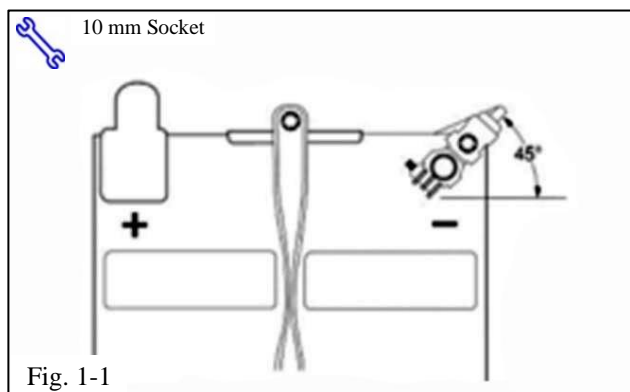
(a) Place the vehicle in Park with the Parking brake set.

(b) Remove the negative battery cable from the battery (Fig. 1-1).

**NOTE:** Remember the battery cable positioning on the pole as it should be reinstalled in the same position.

**CAUTION:** Do not touch the positive terminal with any tool while removing the negative cable.

**NOTE:** Wait at least 90 seconds before proceeding.

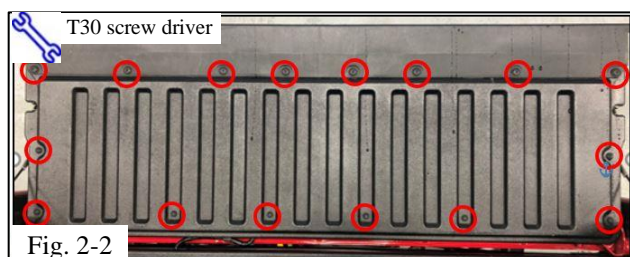


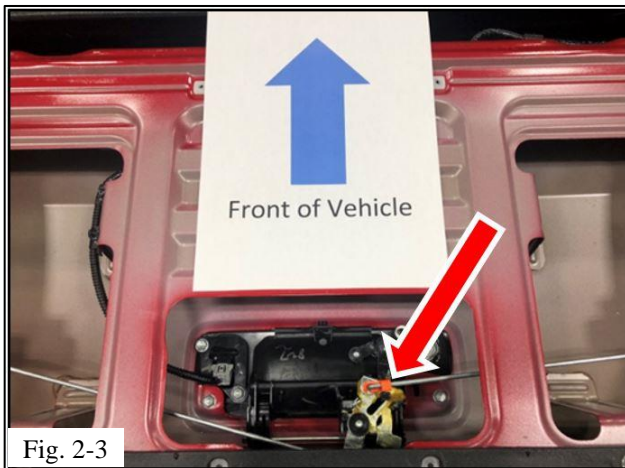
## 2. Disassemble the Tailgate

(a) Unlock and open the tailgate (Fig. 2-1).

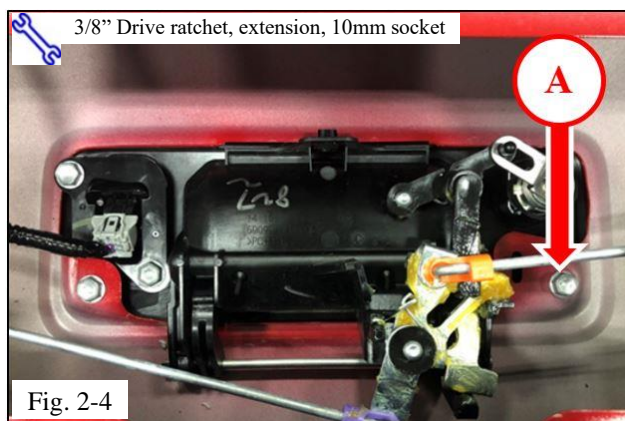



(b) Remove the 16 screws and tailgate service hole cover (Fig. 2-2).





- (c) Locate the tailgate locking mechanism (Fig. 2-3).



-  (d) Remove the indicated bolt shown by "A" (Fig. 2-4).



**NOTE:** Keep the bolt.



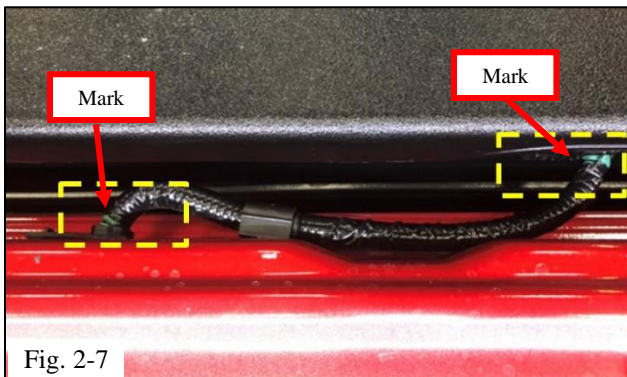
**NOTE:** Be careful of sharp edges on metal tailgate.



- (e) Locate the vehicle camera wire harness entering the tailgate in the middle of the tailgate and truck bed (Fig. 2-5).



- (f) Locate the two wire protector bezels that holds the vehicle camera wire harness (Fig. 2-6).



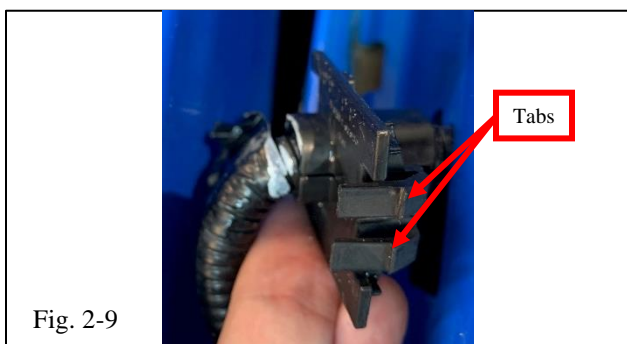
- (g) Using a marker other than black, mark both exit points of the vehicle camera wire harness. The applied green marks show the correct location (Fig. 2-7).

**NOTE:** This is done to ensure that the length of the camera wire harness in between the tailgate and the bed remains the same after installation is complete. This length is important to prevent damage or dislocation of the vehicle wire harness due to repeated use.



- (h) Remove two wire protector bezels that hold the vehicle camera wire harness by pushing the tabs in and using plastic pry tool (Fig. 2-8 & Fig. 2-9).

- (i) Discard both wire protector bezels.

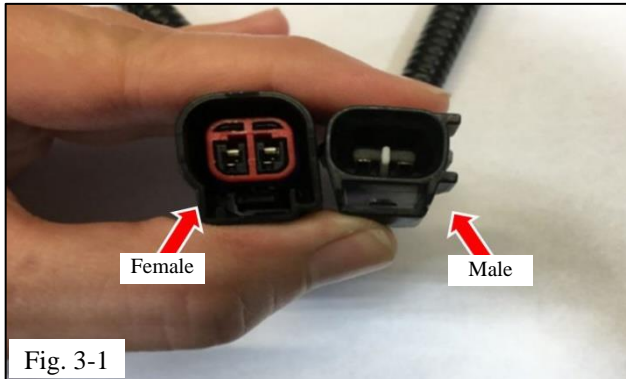




### 3. Route the Tailgate Wire Harness

**⚠ NOTE:** Shorter harness in the box.

- (a) This harness has one connector on each side; one female (identified by a red secondary lock mechanism inside) and another male connector (Fig. 3-1).

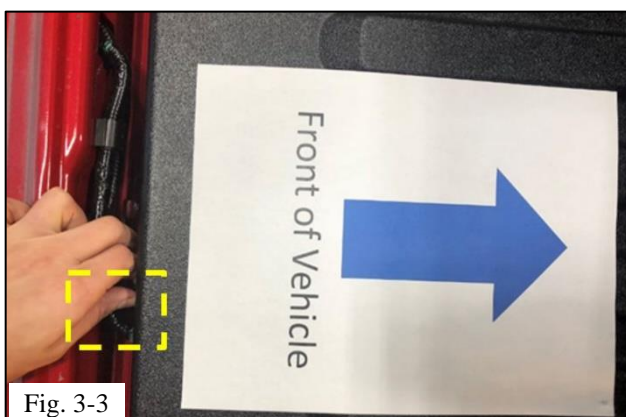


- (b) Route the female connector from the open hole previously occupied by wire protector bezels into the tailgate side and along camera wire harness to locking mechanism (Fig. 3-2).



- (c) Insert the other side of the tailgate wire harness (male connector) into the hole in the vehicle bed (Fig. 3-3).

**⚠ NOTE:** Make sure the tailgate wire harness is routed under the camera wire harness.



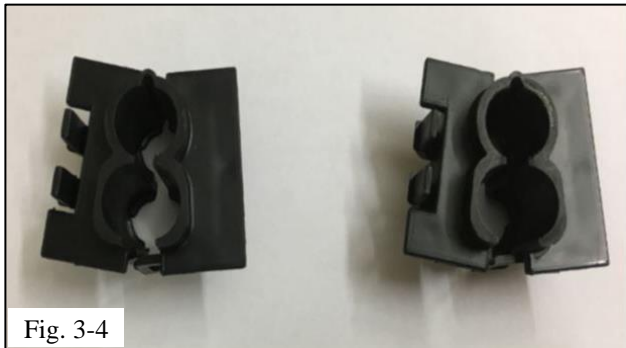


Fig. 3-4

- (d) Locate the two new wire protector bezels inside the kit (Fig. 3-4).

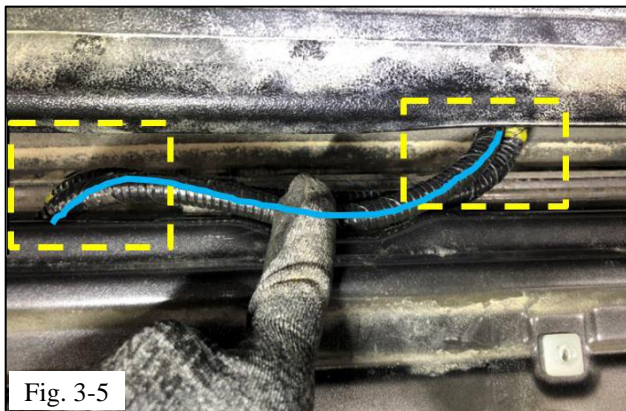


Fig. 3-5

- (e) Fig. 3-5 illustrates two sections of the tailgate wire harness that are not taped. Ensure you position the new wire protector bezels on those sections.

**NOTE:** Use the markings you created in step 2 of this installation instruction to ensure the length of the vehicle camera wire harness in between tailgate and the bed remains the same before positioning each wire protector bezels.

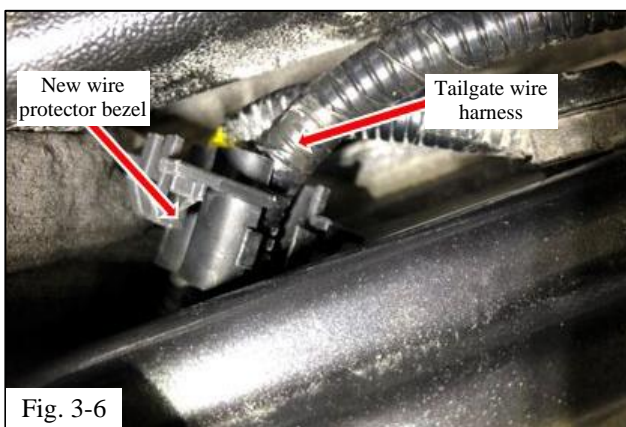


Fig. 3-6

- (f) Position each wire protector bezel as shown in Fig. 3-6 & Fig. 3-7. Fit the tailgate wire harness into the top and the vehicle camera wire harness into the bottom hole.

**NOTE:** Ensure Tailgate Wire Harness is on top and Vehicle Camera Wire Harness is on bottom.

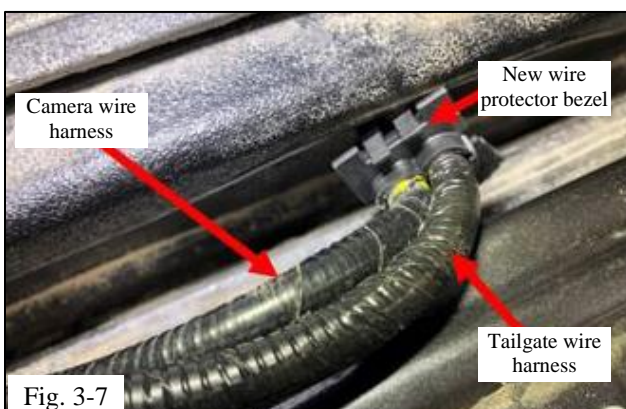
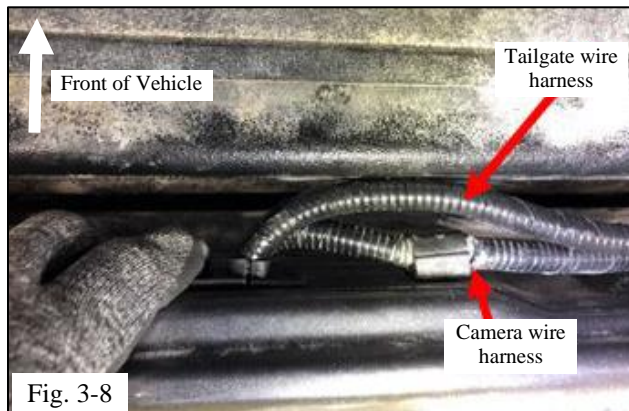
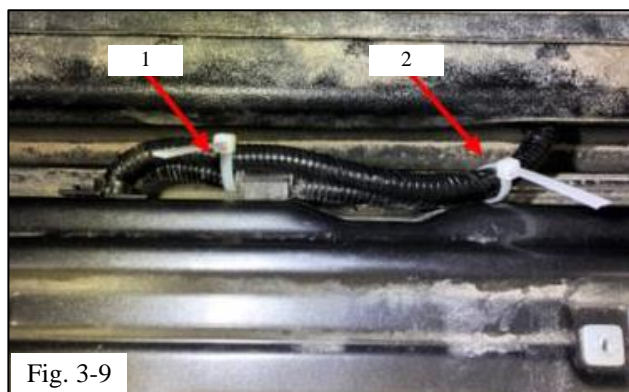


Fig. 3-7



(g) Engage the latch on the wire protector bezels and then place them into the holes on vehicle tailgate and bed (Fig. 3-8).

**STOP NOTE:** Ensure the new wire protector bezels are firmly seated in place.

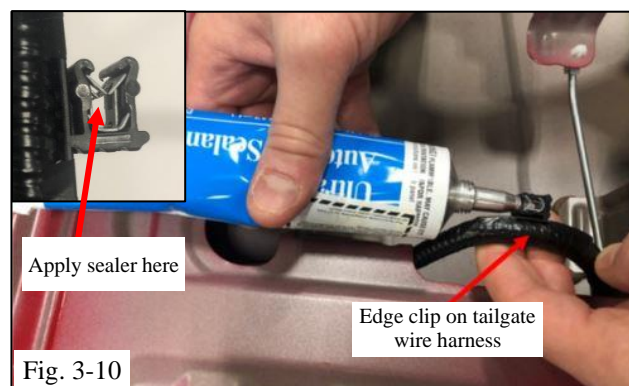


(h) Secure the tailgate wire harness to the vehicle camera wire harness in between the vehicle bed and tailgate using wire ties #1 and #2. (Fig. 3-9).

**STOP NOTE:** Ensure wire tie #1 is placed directly next to the vehicle camera wire harness mount to the vehicle (Fig. 3-9; wire tie #1).

(i) Clip the excess wire tie and rotate the end of the wire tie to the bottom side of the harness.

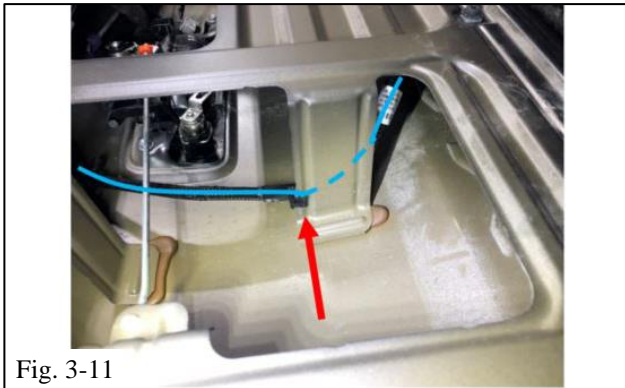
**STOP NOTE:** Ensure the end of the wire tie is on the bottom side of the harness so that interference with the vehicle does not occur during tailgate open/closure.



(j) Locate the edge clip on the tailgate wire harness and apply corrosion prevention sealer 3M, part number C0009-08302 inside it as illustrated (Fig. 3-10).

**WARNING NOTE:** Apply enough sealer to fill the edge clip.

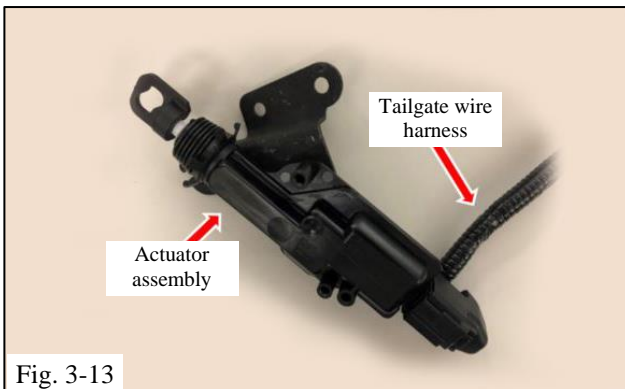




- (k) Attach the edge clip to the bottom of the sheet metal (Fig. 3-11).

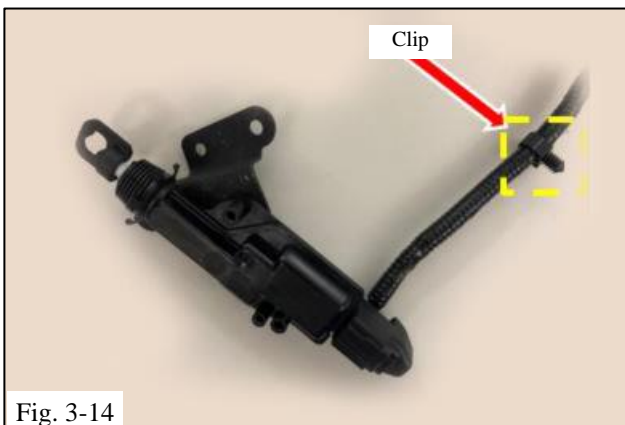


- (l) Locate the actuator assembly inside the kit (Fig. 3-12).



- (m) Plug the tailgate wire harness connector (2 pin, Black) to actuator assembly connector (2 pin, Black) as illustrated (Fig. 3-13).

**STOP** NOTE: Push, pull, push to confirm wire harness is connected to actuator assembly.



- (n) Locate the clip on the tailgate wire harness (Fig. 3-14).



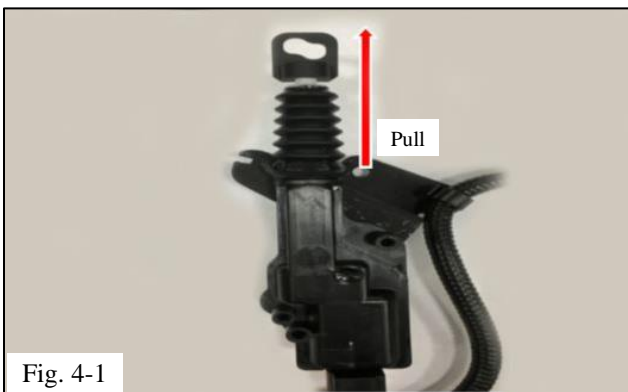


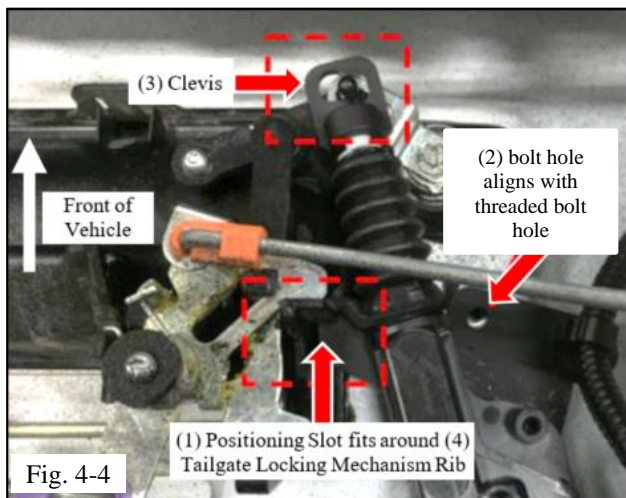
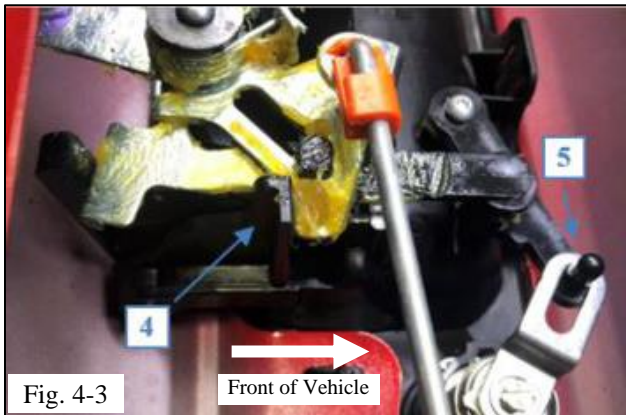
- (o) Use the clip on the tailgate wire harness and attach to the hole shown by circle “B” on the actuator assembly (Fig. 3-15 & Fig. 3-16).



#### **4. Install the Actuator Assembly**

- (a) Pull the actuator rod to the fully open position (Fig. 4-1).





(b) See Fig. 4-2 & Fig. 4-3 with reference points identified.

- (1) Positioning slot
- (2) Upper hole
- (3) Clevis
- (4) Tailgate locking mechanism rib
- (5) Resin stud

(c) Install the actuator assembly by placing the (3) clevis on the (5) resin stud, aligning the (1) positioning slot on the (4) tailgate locking mechanism rib, and aligning (2) upper hole with the threaded bolt hole in the tailgate (Fig. 4-4).

**STOP NOTE:** The actuator clevis should be positioned over resin stud.



- (d) Put the bolt back into hole “A” and tighten the bolt to 49 in.lbf (5.5N.m) (Fig. 4-5).

**Torque: 5.5N.m (49 in.lbf)**



- (e) Locate the push nut retainer inside the actuator assembly package (Fig. 4-6).



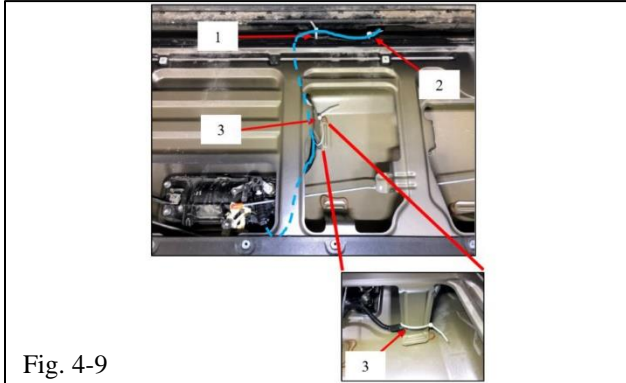
- (f) Center the push nut retainer on the resin stud with the raise surface facing outwards (Fig. 4-7).



- (g) Use your thumb and index finger to complete the install of the push nut retainer by pinching it onto the resin stud (Fig. 4-8).



**NOTE:** The push nut retainer should not be loose to the touch and must hold the clevis in place while manually moving the actuator rod to the fully open and close position.



(h) Secure the tailgate wire harness to the vehicle's sheet metal using wire tie #3 (Fig. 4-9).

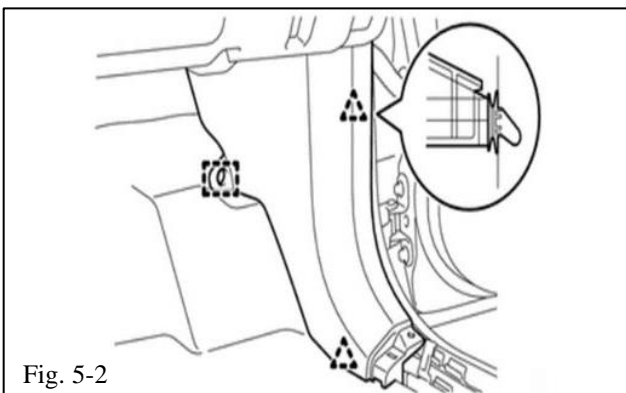
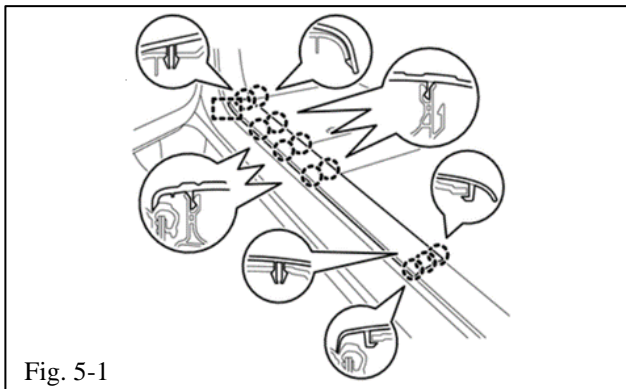
(i) Trim the excess wire ties.



**NOTE:** Use caution when trimming wire ties.

## 5. Disassemble the Interior (Front Passenger Side)

(a) Remove the RH front door scuff plate (Fig. 5-1).



(b) Remove the RH cowl side trim (Fig. 5-2).

(1) Remove the nut.

(2) Disengage the 2 clips and remove the RH cowl side trim



**NOTE:** If the clips stay in the vehicle, make sure to remove and re-attach to the RH cowl side trim.





- (c) Lift the carpet under the passenger seat to expose the vehicle body grommet. Remove the grommet by pushing it up from underneath the vehicle and collect it on top (Fig. 5-3, Fig. 5-4, Fig. 5-5).

**⚠ NOTE:** There may be multiple visible grommets. Use vehicle body features and size of grommet on accessory Body Wire Harness to determine proper hole that is shown in Fig. 5-3 and Fig. 5-4.

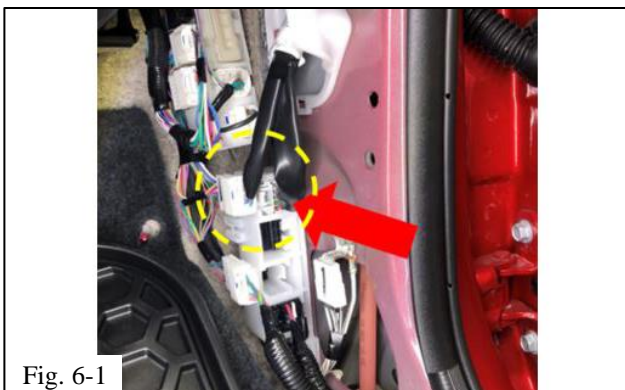


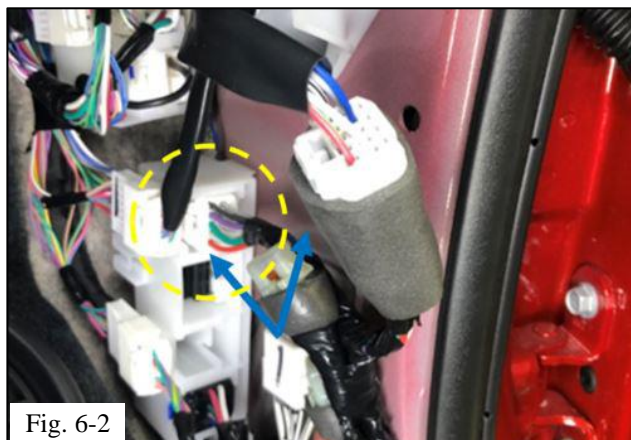
- (d) Remove the vehicle body grommet and discard.



## 6. Routing Body Wire Harness (Interior)

- (a) Locate and unplug connector IK1 (10 pin, Gray) from the RH Cowl Side Trim (Fig. 6-1).

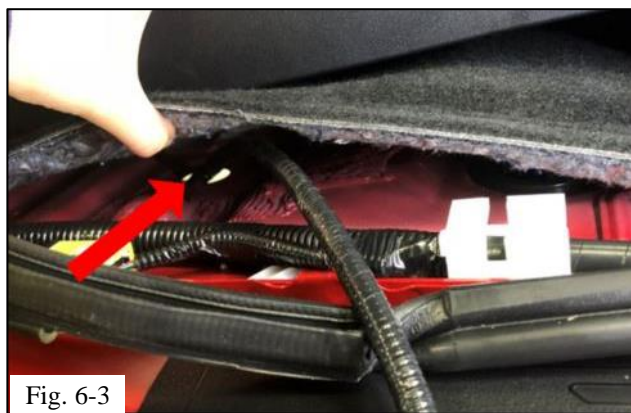




- (b) Plug the body wire harness connectors (10 pin, White) in between connectors IK1 (10 pin, Gray) in the RH cowl side trim (Fig. 6-2).



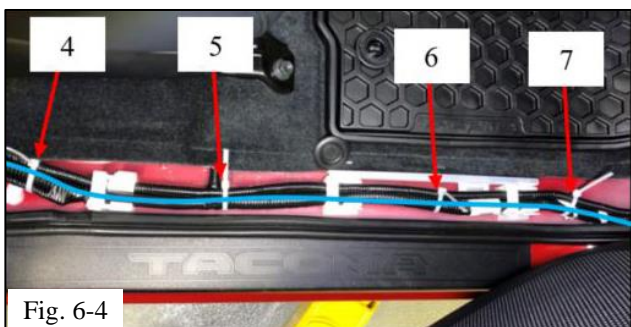
**NOTE:** Push, pull, push to confirm wire harness connection.



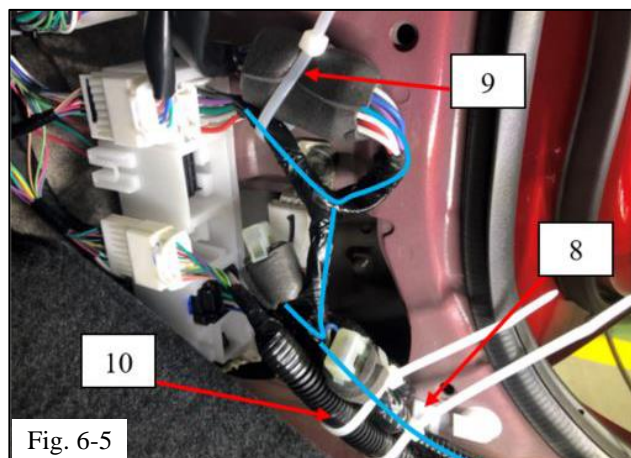
- (c) Route the body wire harness through open hole previously occupied by the vehicle body grommet from the front passenger compartment to underside of the vehicle (Fig. 6-3).



**NOTE:** Ensure the grommet is firmly seated in place after the body wire harness routing.



- (d) Dislodge the white claws and route the Body wire harness along the vehicle harness and secure with wire ties #4, #5, #6 and #7 as shown (Fig. 6-4).



- (e) Secure the body wire harness to the vehicle harness using wire tie #8. Secure the 10 pin connectors and fuses to the vehicle wire harness with wire ties #9 and #10 (Fig. 6-5).



**NOTE:** Do NOT wire tie the bare wire.

- (f) Trim the excess wire ties.



**NOTE:** Use caution when trimming wire ties.

- (g) Place the power tailgate lock owner's manual in the glove compartment.

## 7. Route the Body Wire Harness (Exterior)

- (a) Temporarily reconnect the negative battery cable (Fig. 7-1).

- (b) Move the vehicle and position it on the lift.

**NOTE:** Do not run over the body wire harness when moving the vehicle.

- (c) Remove the negative battery cable from the battery (Fig. 7-1).

**CAUTION:** Do not touch the Positive terminal with any tool while removing the negative cable.

- (d) Raise the vehicle to route the body wire harness underside of the vehicle.

**NOTE:** Use caution to protect your head.

- (e) Route the body wire harness from the grommet along the vehicle wire harness towards the rear of the vehicle. Secure it to vehicle wire harness with wire ties #11, #12 and #13 (Fig. 7-2).

**NOTE:** Do not wire tie to the brake lines.

- (f) Follow the route as illustrated and secure the body wire harness to vehicle wire harness using wire ties #14, #15, #16, #17, and #18. (Fig. 7-3).

**NOTE:** Do not wire tie to the brake lines.



Fig. 7-1

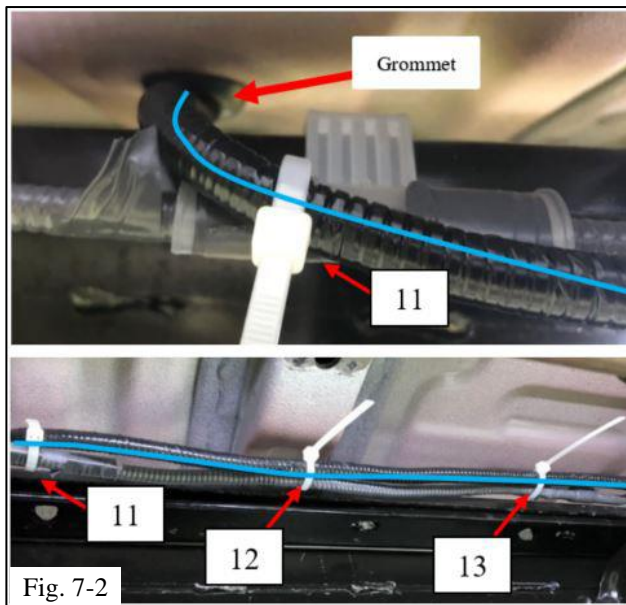


Fig. 7-2

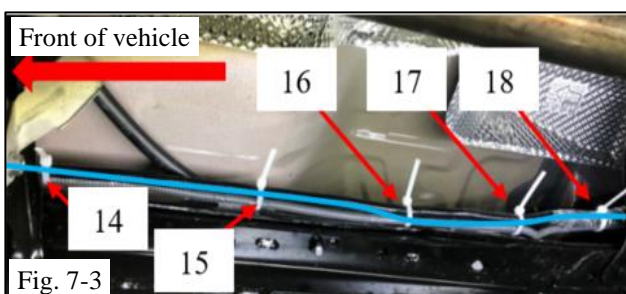


Fig. 7-3





Fig. 7-4

- (g) Locate five metal cable ties in the kit (Fig. 7-4).

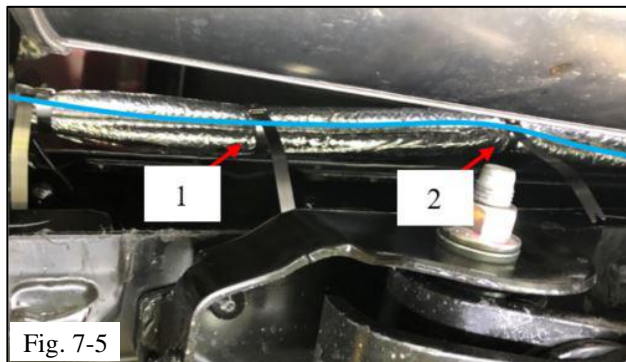


Fig. 7-5

- (h) Use the metal wire ties #1, #2, #3, #4, and #5 to secure the body wire harness to the vehicle wire harness toward the rear of the vehicle (Fig. 7-5 & Fig. 7-6).

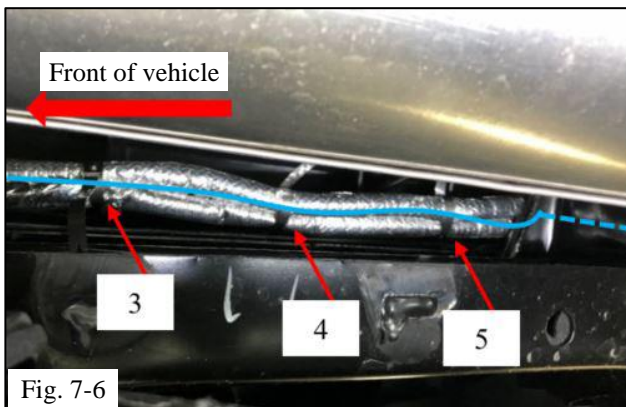


Fig. 7-6

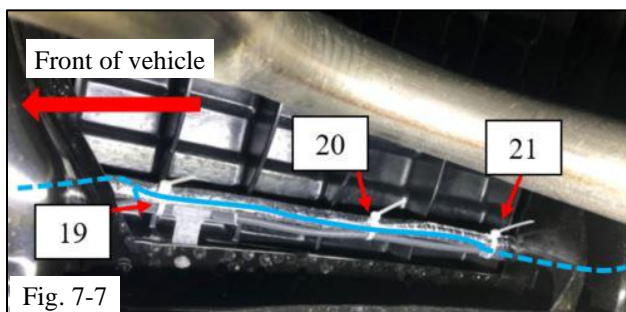
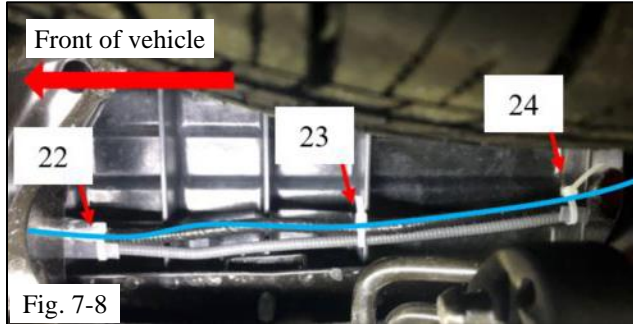


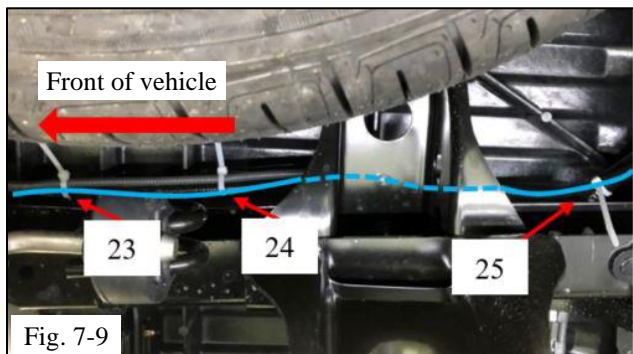
Fig. 7-7

- (i) Continue routing the body wire harness along the vehicle wire harness towards the rear of the vehicle using wire ties #19, #20 and #21 (Fig. 7-7).

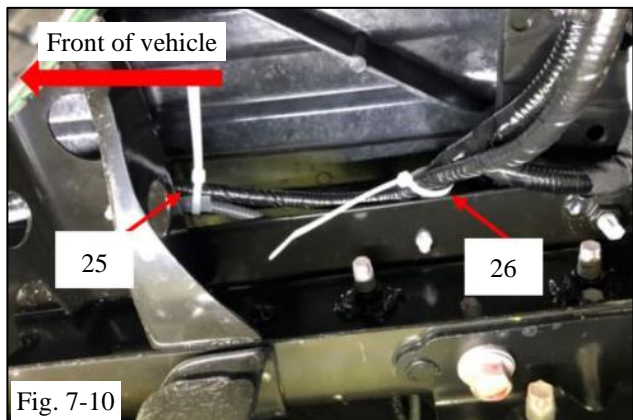




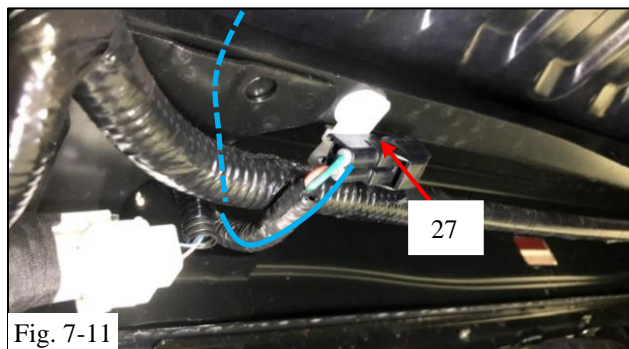
- (j) Follow the vehicle wire harness towards the spare tire using wire ties #22, #23 and #24 (Fig. 7-8).



- (k) Continue routing the body wire harness along the vehicle wire harness using wire tie #25 (Fig. 7-9).



- (l) Continue routing the body wire harness along the vehicle wire harness using wire tie #26 (Fig. 7-10).

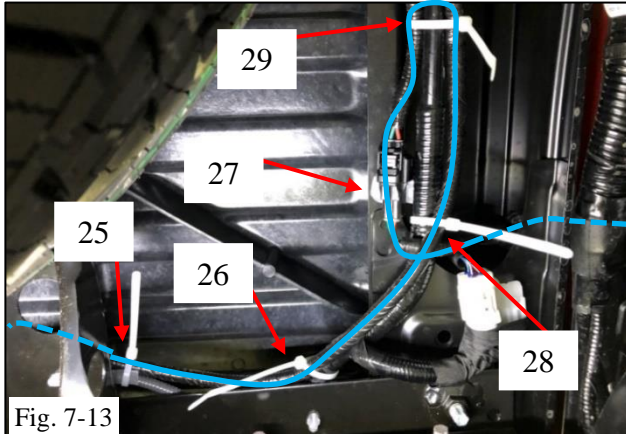


(m) Use wire tie #27 and pass it through the Tailgate connector and secure it to the vehicle clip as shown (Fig. 7-11).

(n) Plug the body wire harness connector (2P, Black) into the tailgate wire harness connector (2P, Black) (Fig. 7-12).



**NOTE:** Push, pull, push to confirm body wire harness is connected to tailgate wire harness.



(o) Secure the body and tailgate wire harnesses to the vehicle side using wire ties #28 and #29 (Fig. 7-13).

(p) Trim all (metal and plastic) excess wire ties from step 7.

**NOTE:** Use caution when trimming wire ties.

(q) Lower the vehicle.

## 8. Reconnect the Battery

(a) Reconnect the negative battery cable at the original factory position (Fig. 8-1).

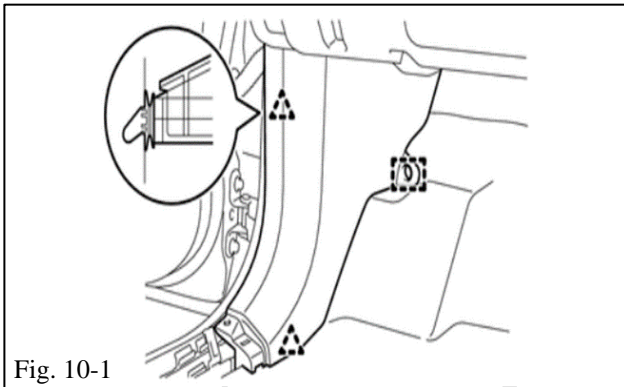
**Torque:** 5.4 N.m (48 in-lbf)

**CAUTION:** Do not touch the Positive terminal with any tool while reinstalling the negative cable.



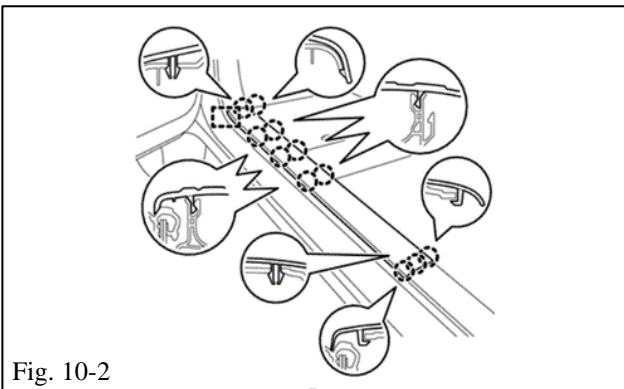
## 9. Perform the Function Check

- (a) Close all vehicle doors including tailgate.
- (b) Lock vehicle using key or key fob. To lock using key, insert key in door and turn to left.
  - (1) All doors including tailgate are locked.
- (c) Unlock driver door of vehicle using key or key fob. To unlock using key, insert key in door and turn to right.
  - (1) Only driver door is unlocked
- (d) Unlock all doors using key or key fob. To unlock using key, insert key in door and turn to right, return key to neutral, turn to right.
  - (1) All doors including tailgate are unlocked.



## 10. Complete the Installation

- (a) Reinstall the RH Cowl Side Trim with the clip (Fig. 10-1).



- (b) Reinstall the RH Front Door Scuff Plate by engaging the guide and 11 claws (Fig. 10-2).



**NOTE:** Ensure the panels fit together properly, with no uneven gaps.



- (c) Reinstall the tailgate service hole cover with 16 screws (Fig. 10-3).



# TOYOTA TACOMA 2019 - POWER TAILGATE LOCK

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
<p><u>Accessory Function Checks</u></p> <p><input type="checkbox"/> Correct part number has been installed</p> <p><input type="checkbox"/> LOCK vehicle using key or key fob. <b>NOTE:</b> To lock using key, insert key in door and turn to left.</p> <p><input type="checkbox"/> UNLOCK driver door of vehicle using key or key fob. <b>NOTE:</b> To unlock using key, insert key in door and turn to right.</p> <p><input type="checkbox"/> UNLOCK all doors using key or key fob. <b>NOTE:</b> To unlock using key, insert key in door and turn to right, return key to neutral, turn to right.</p> <p><input type="checkbox"/> Owner's Manual in glove box</p>	<p>Verify part number of the kit.</p> <p>All doors including tailgate are locked.</p> <p>Only driver side door is unlocked.</p> <p>All doors including tailgate are unlocked</p> <p>Owner's Manual present in glove box</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/> Power Window</p> <p><input type="checkbox"/> Power Window, Auto Up/Down (If equipped)</p> <p><input type="checkbox"/> Blind Spot Monitor RH</p> <p><input type="checkbox"/> Cargo Light switch (If Equipped)</p> <p><input type="checkbox"/> Interior Light</p> <p><input type="checkbox"/> Mirror Heater RH</p> <p><input type="checkbox"/> Front door RH speaker</p> <p><input type="checkbox"/> Turn and Hazard Warning signals</p> <p><input type="checkbox"/> Wireless Door Lock control</p>	<p>Front passenger window functions properly.</p> <p>Front passenger window functions properly.</p> <p>Blind spot monitor indicator on RH outer rear view mirror function properly.</p> <p>Cargo light turns "On" when front passenger door is open.</p> <p>Interior light turns "On" when front passenger door is open.</p> <p>Mirror heater on RH outer rear-view mirror functions properly.</p> <p>Front door RH speaker functions properly.</p> <p>Turn and hazard lights on outer rear view mirror turns on.</p> <p>Front passenger wireless door lock system functions properly.</p>
<p><u>Vehicle Appearance Checks</u></p> <p><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</p>	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process.</p>