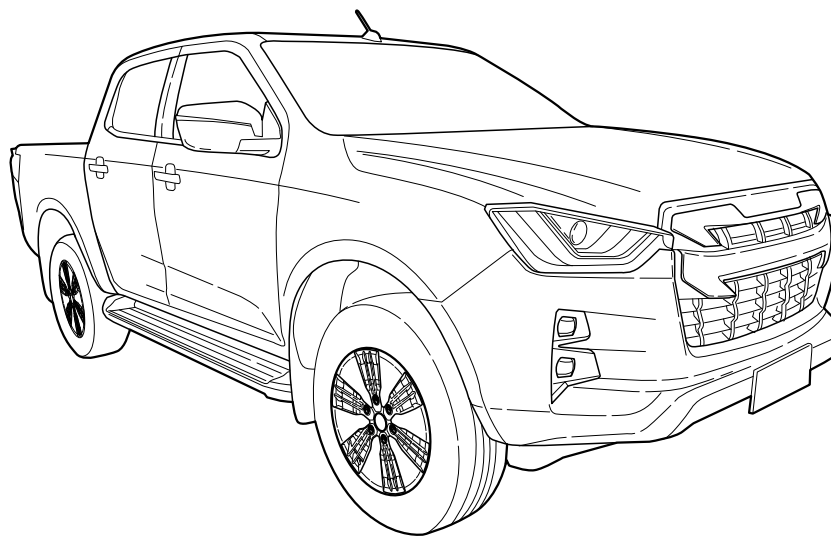
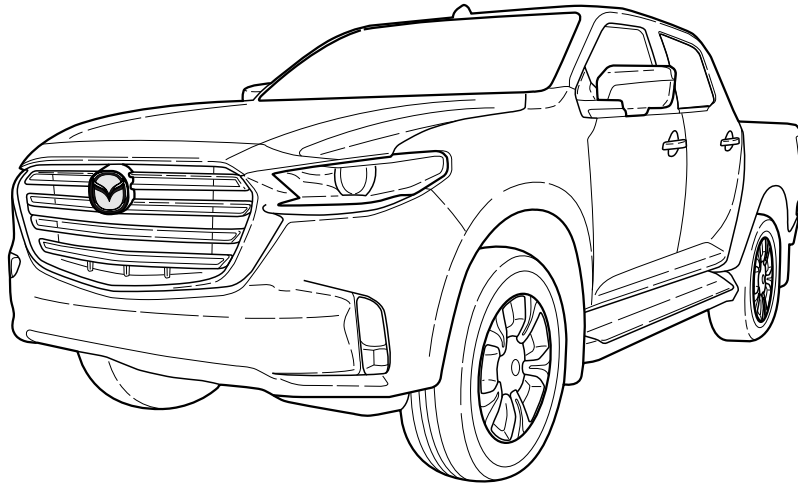


MAZDA BT-50/ISUZU D-MAX TAILGATE LOCKING KIT MY2020



Fitting Instructions FI19412

MAZDA BT-50/ISUZU D-MAX

— General Notes

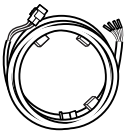

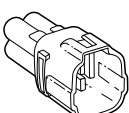
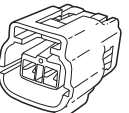
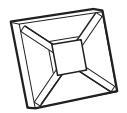

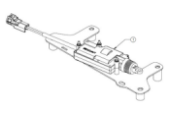



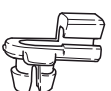
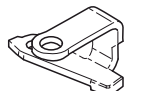






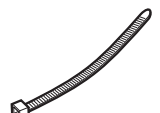

- Read through the fitting instructions before installation of accessory.
- Always install the Tailgate Locking Kit following the workshop manual and fitting instructions provided. Failure to do so may cause damage to the vehicle or the accessory.
- Ensure all recyclable components and packaging are discarded and recycled following local recycling regulations.
- Safely store and protect any removed vehicle components.

— Safety Notes

- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.

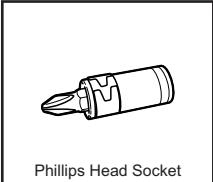
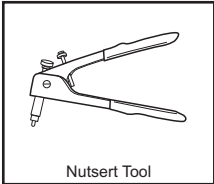
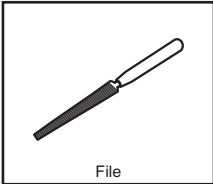
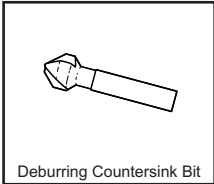
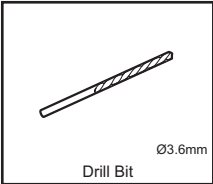
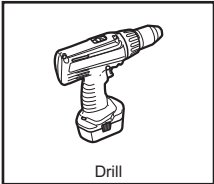
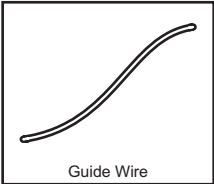
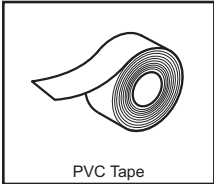
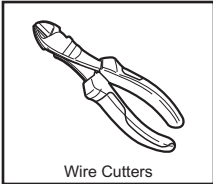
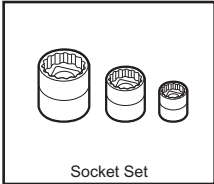
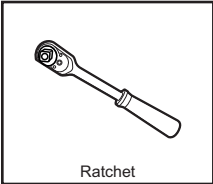
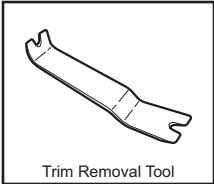
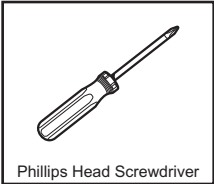


— Parts Supplied

A  Tailgate Locking Internal Harness x1	B  Tailgate Locking External Harness x1	C  4-Way Male connector x1	D  2-Way Female Connector x1	E  Cable Tie Mount x1	F  Cleaning Pad x2
G  Tailgate Actuator Assembly x1	H  Tailgate Drilling jig x1	I  M6x35mm Hex Head Bolt x4	J  M6 Rivet Nut x2	K  Linkage Rod Clip x1	L  Tailgate Lever Assembly x1
M  Tailgate Actuator Link x1	N  M3x12mm Pan Head Bolt x1	O  M3 Nyloc Nut x1	P  M3 Acetal Flat Washer x1	Q  M3 Acetal Bushing x1	R  M3 Flat Washer x2
S  200mm Cable Ties x35	T  Fitting Instructions x1				

MAZDA BT-50/ISUZU D-MAX

— Tools Required —



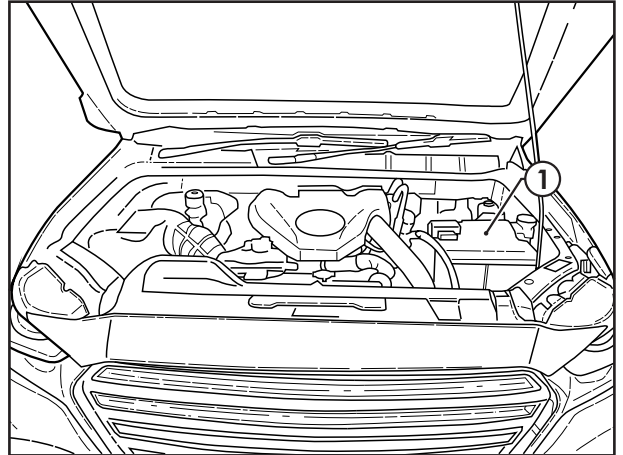
— STEP 1 —

Important



Always refer to the vehicle's Workshop Manual when removing vehicle components.

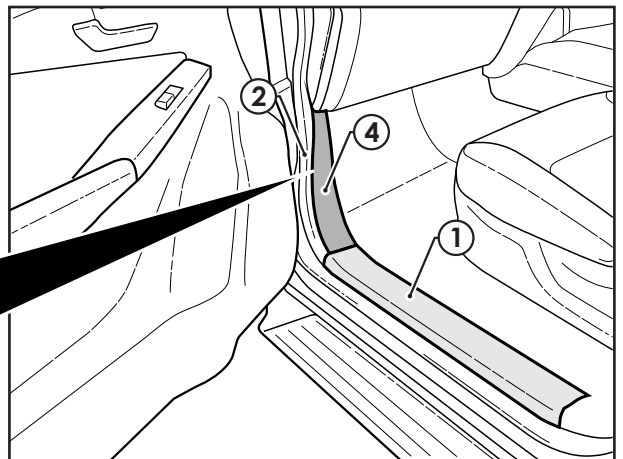
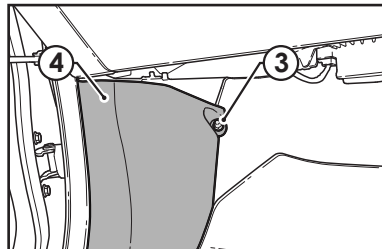
- Note down all clock and radio settings.
- In the Engine Bay disconnect the negative battery terminal (1).



— STEP 2 —

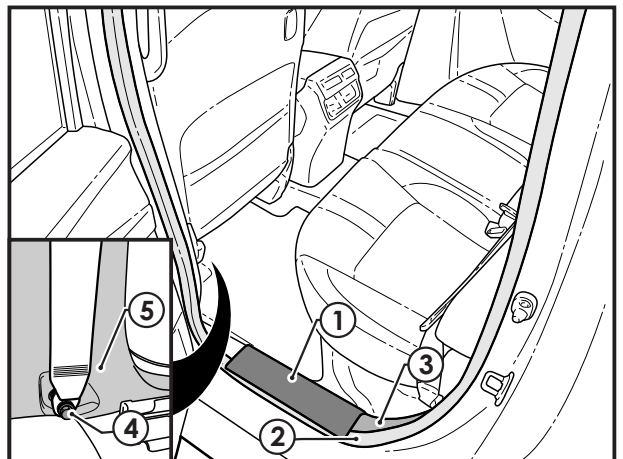
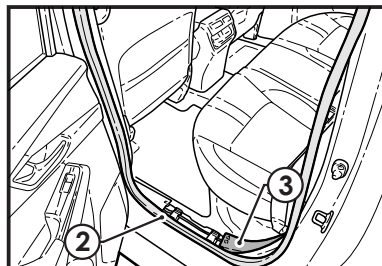
- Gain access to the LHS front passenger area.
- Remove the LHS front door Sill Trim (1).
- Dislodge the rubber door seal (2).
- Remove the retaining nut (3) from the LHS Kick Panel Trim (4).
- Remove the LHS Kick Panel Trim (4).

Repeat for RHS.



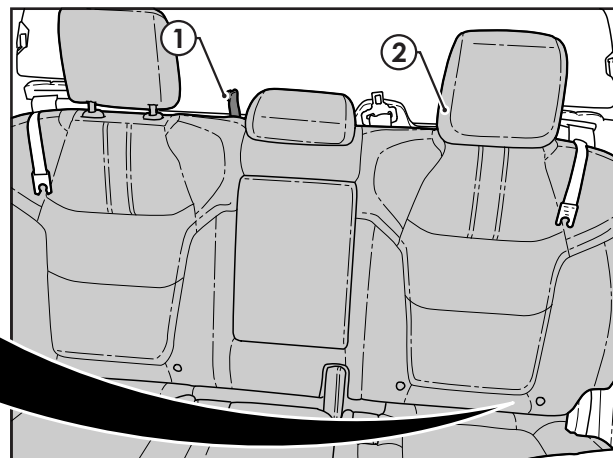
— STEP 3 —

- Gain access to the LHS rear passenger area.
- Remove the LHS rear door Sill Trim (1).
- Dislodge the rubber door seal (2) to enable the C-Pillar Trim (3) to be removed.
- Remove Lower Seat Belt Mount Bolt (4) and then dislodge the Lower B-Pillar Trim (5).



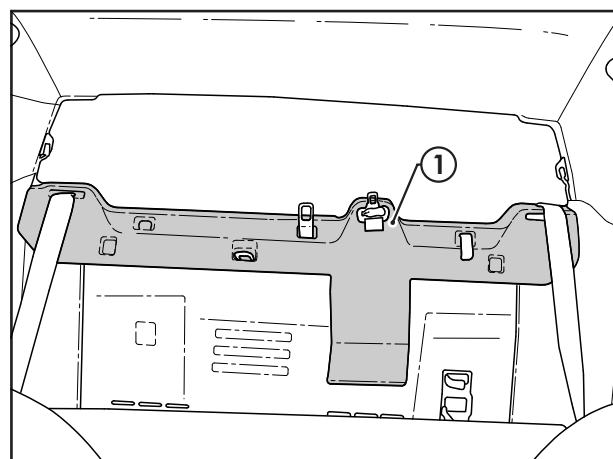
— STEP 4 —

- Lift unlocking tab (1) to fold rear seats down (2).
- Remove tool kit (3).



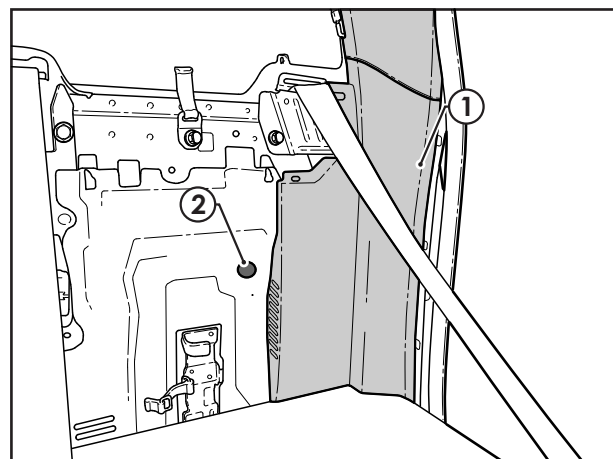
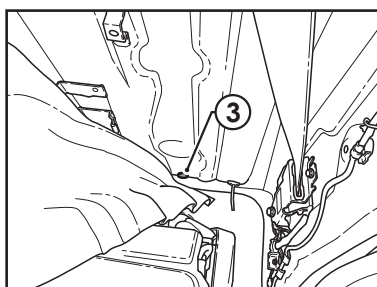
— STEP 5 —

- Remove rear plastic trim (1) underneath rear window.



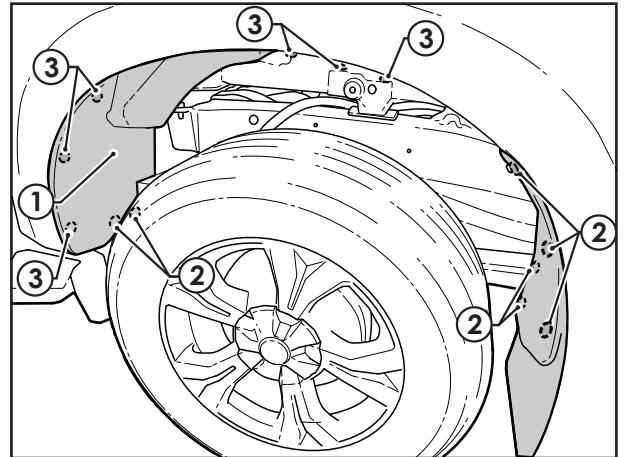
— STEP 6 —

- Remove C-Pillar Trim (1).
- Remove clip (2) retaining carpet to back panel.
- Peel back carpet to reveal plug (3) in back panel, remove and discard it.



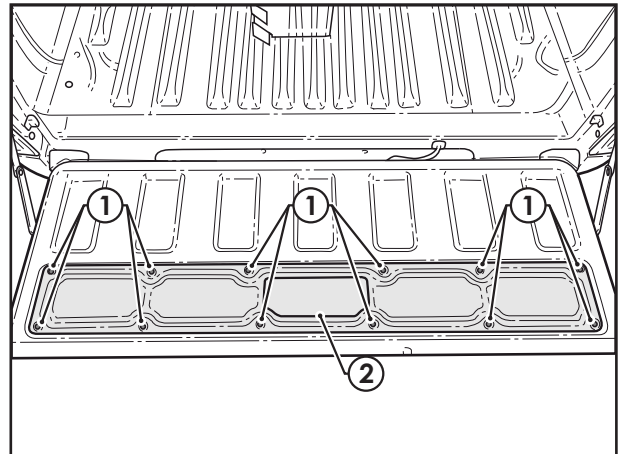
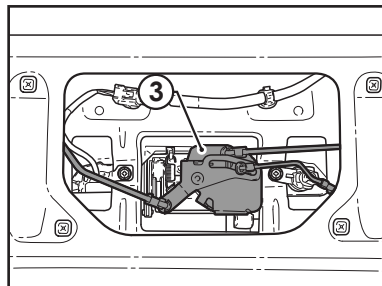
— STEP 7 —

- Gain access to the LHS rear wheel arch, remove the wheel arch trim (1) after removing the 7 bolts (2) and 6 push in clips (3).



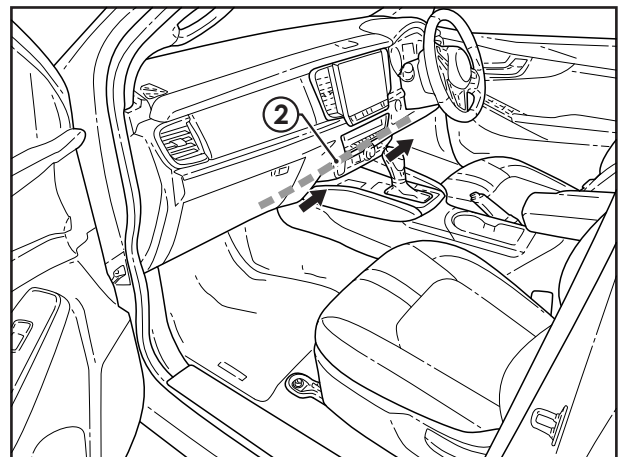
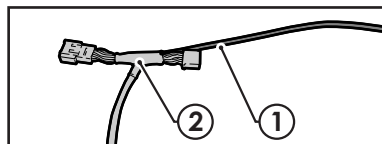
— STEP 8 —

- Remove the 12 screws (1) from the cover plate (2) on the tailgate to expose the tailgate locking assembly (3).



— STEP 9 —

- Tape guide wire (1) to the 14-way T-patch on the Tailgate Locking Internal Harness (2).
- Feed guide wire from LHS footwell, underneath the steering column into the RHS footwell.
- Continue routing harness across top of pedals and down into RHS Kick Panel area.



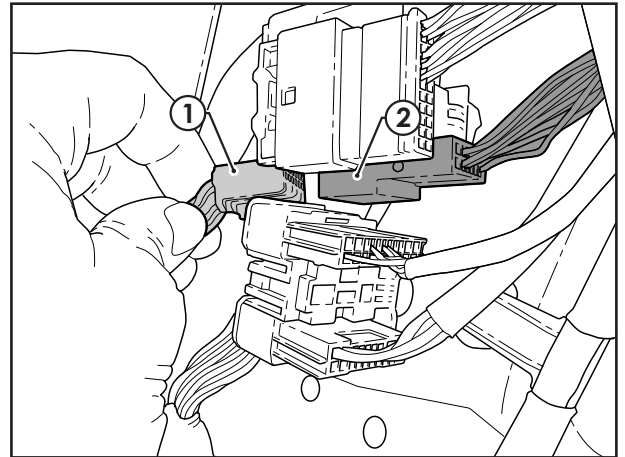
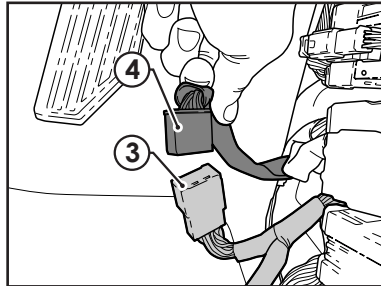
Important



Make sure the harness is not secured to or in contact with any moving parts or mechanisms.

— STEP 10 —

- Locate 14-way connector in RHS Kick Panel and connect the T-patch between the harness interconnect.
- 14-way female (1) on T-patch to 14-way male (2) on vehicle harness.
- 14-way male (3) on T-patch to 14- female (4) on vehicle harness.



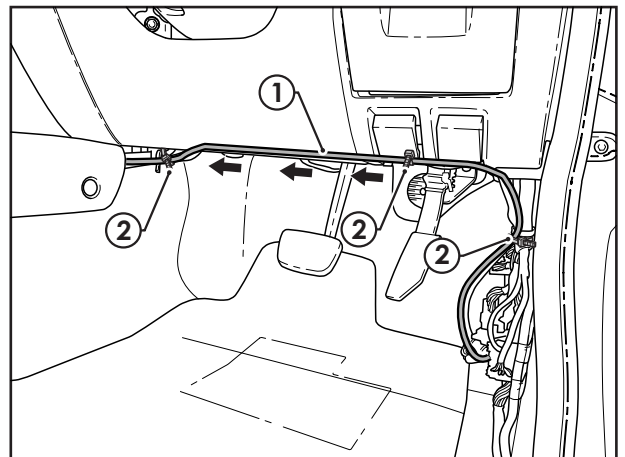
— STEP 11 —

- Route & secure the Tailgate Locking Internal Harness (1) in RHS Kick Panel and above RHS footwell using three supplied cable ties (2).
- Trim any excess Cable Tie length.

Important

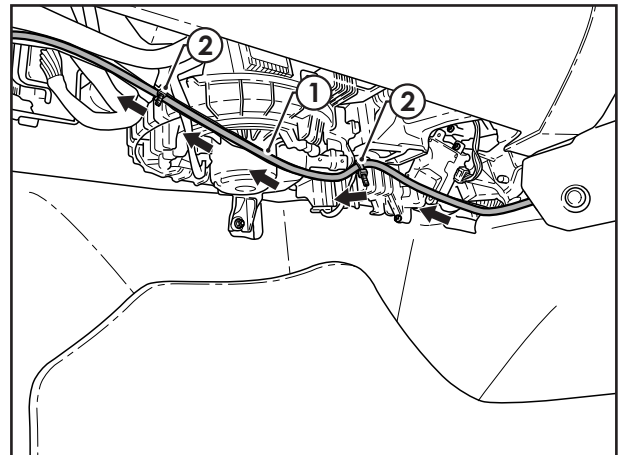


Make sure the harness is not secured to or in contact with any moving parts or mechanisms.



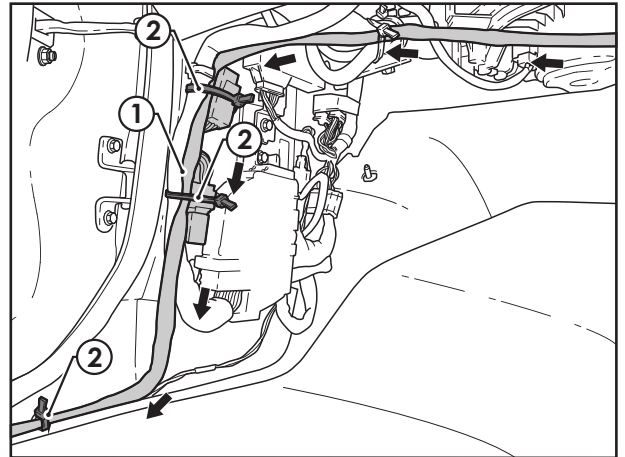
— STEP 12 —

- Route & secure the Tailgate Locking Internal Harness (1) above LHS footwell using two supplied cable ties (2).
- Trim any excess Cable Tie length.



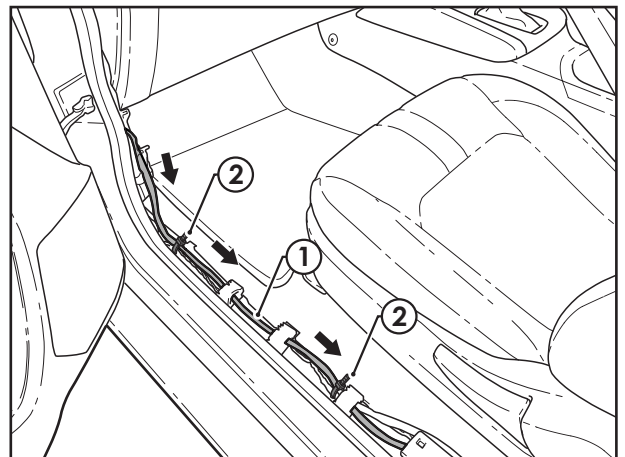
— STEP 13 —

- Route & secure the Tailgate Locking Internal Relays/Harness (1) in LHS Kick Panel using three supplied cable ties (2).
- Trim any excess Cable Tie length.



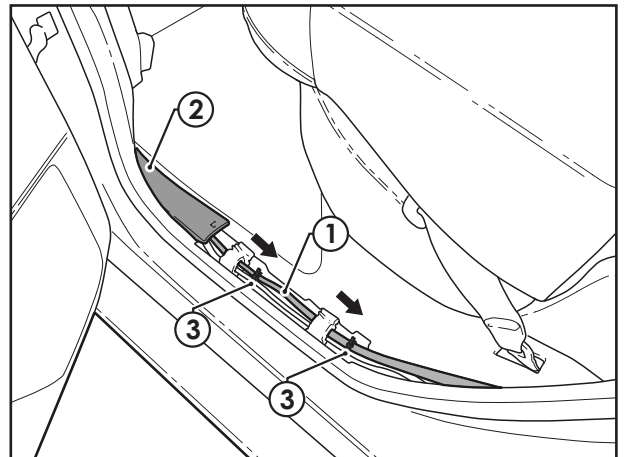
— STEP 14 —

- Route & secure the Tailgate Locking Internal Harness (1) along the LHS front door sill following existing vehicle harness towards the rear of the vehicle using two supplied cable ties (2).
- Trim any excess Cable Tie length.



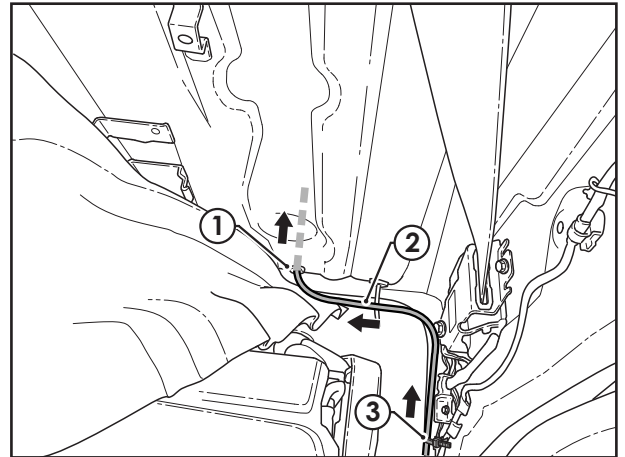
— STEP 15 —

- Continue routing & secure the Tailgate Locking Internal Harness (1) along the LHS rear door sill following existing vehicle harness behind the B-pillar trim (2), towards the rear of the vehicle using two supplied cable ties (3).
- Trim any excess Cable Tie length.



— STEP 16 —

- Route the four un-housed circuits through the hole in the sheet metal and ensure the Tailgate Locking Internal Harness grommet (1) is securely fitted in the hole.
- Secure the Tailgate Locking Internal Harness (2) to existing vehicle harness vehicle using a supplied Cable Tie (3).
- Trim any excess Cable Tie length.



— STEP 17 —

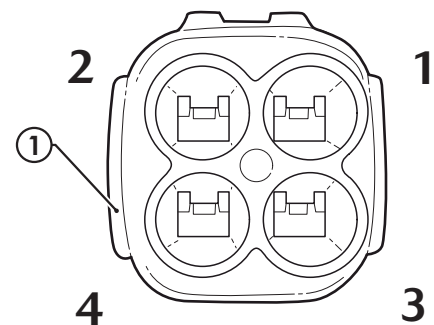
- Outside vehicle near the rear LHS wheel arch, house the terminals from the Tailgate Locking Internal Harness into the supplied 4-way connector (1), following the table below.

Important



Ensure wire colours of mated connectors match.

Cavity Number	Wire Colour
1	Green
2	Blue
3	Black
4	Red



Rear View

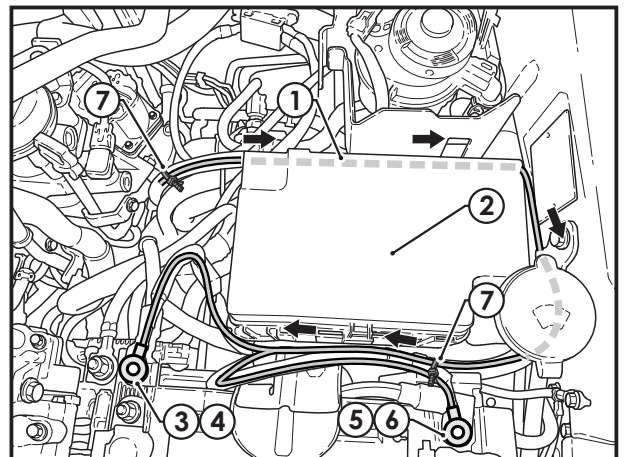
— STEP 18 —

- Gain access to the engine bay.
- Route the power and ground ring terminals on the Tailgate Locking External Harness (1) around the fuse box (2).
- Secure the Tailgate Locking External Harness power ring terminal (3) to the positive battery terminal (4) using the existing fastener.
- Secure the Tailgate Locking External Harness ground ring terminal (5) to the negative battery terminal (6) using the existing fastener. Note this has been disconnected from the negative battery post back in Step 1.
- Secure the Tailgate Locking External Harness (1) to the existing vehicle harness using two supplied Cable Ties (7).
- Trim any excess Cable Tie length.

Important



DO NOT secure the Tailgate Locking Harness to the vehicle FUEL LINES OR BRAKE LINES.
When positioned correctly the harness should not touch these vehicle lines.



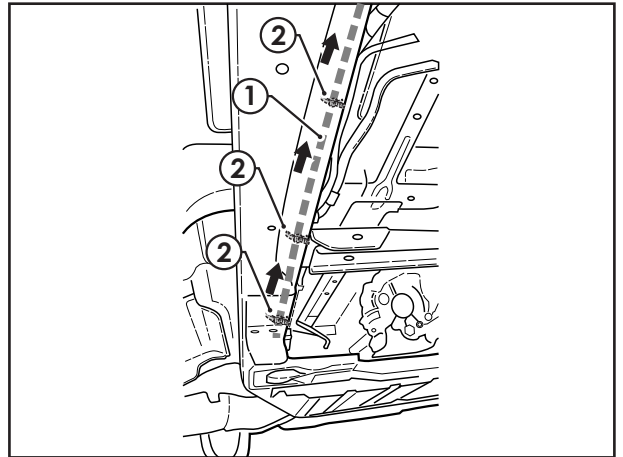
— STEP 19 —

- Continue routing the Tailgate Locking External Harness (1) from the engine bay down onto the top of the LHS Chassis rail, following the existing vehicle harness.
- Routing the Tailgate Locking External Harness (1) along the top of LHS chassis rail towards the rear of the vehicle, following existing vehicle harness.
- Secure harness Tailgate Locking External Harness (1) to existing vehicle harness, approximately every 300mm using the supplied cable ties (2).
- Trim any excess Cable Tie length.

Important



DO NOT secure the Tailgate Locking Harness to the vehicle FUEL LINES OR BRAKE LINES.
When positioned correctly the harness should not touch these vehicle lines.



— STEP 20 —

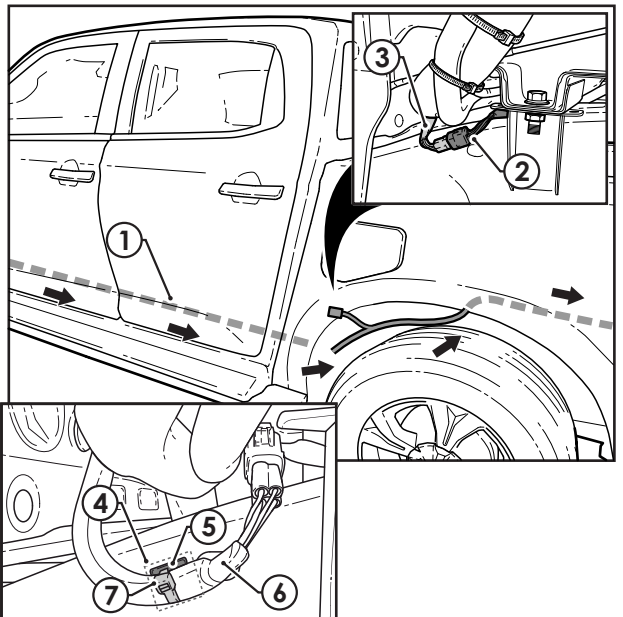
- Continue routing the Tailgate Locking External Harness (1) across the top of the chassis rail towards the front of the tub, following the existing vehicle harness.
- In the LHS rear wheel arch area locate the 4-way female connector (2) on the Tailgate Locking External Harness and connect it to the 4-way male connector (3) on the Tailgate Locking Internal Harness.
- Using the supplied Cleaning Pad, clean the area indicated (4).

Important



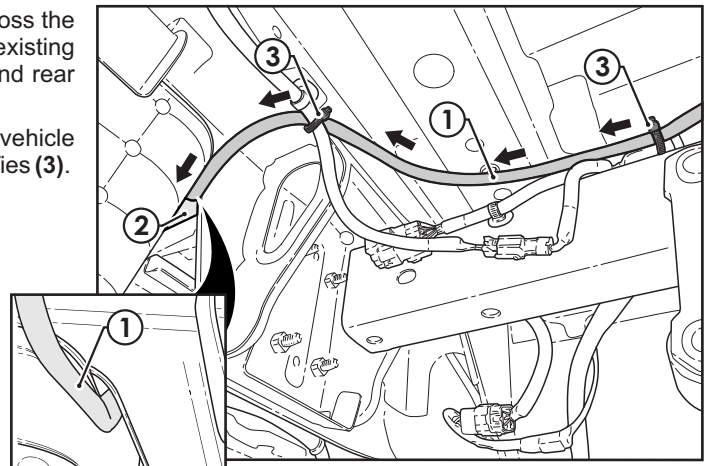
Ensure previously cleaned area is dry before continuing.

- Install supplied Cable Tie Mount (5) in previously cleaned area.
- Secure Tailgate Locking Internal Harness (6) using a supplied Cable Tie (7) to the Cable Tie Mount (5).
- Secure Tailgate Locking External Harness (1) to existing vehicle harness, approximately every 300mm using the supplied cable ties.
- Trim any excess Cable Tie length.



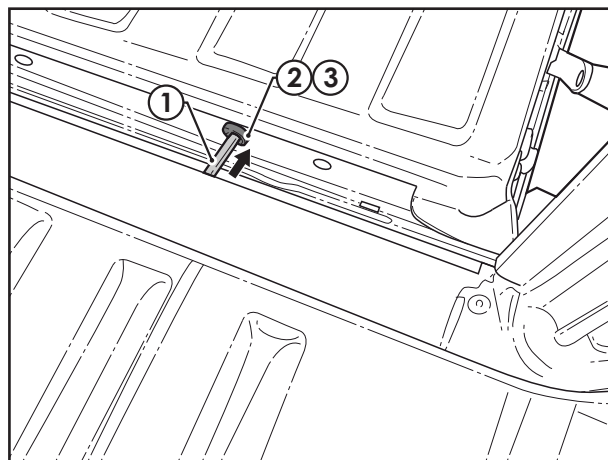
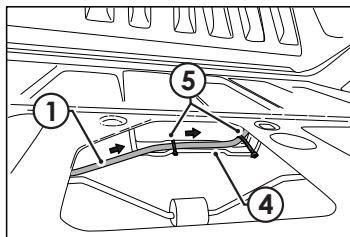
— STEP 21 —

- Continue routing the Tailgate Locking External Harness (1) across the top of the chassis rail towards the rear of the tub following the existing vehicle harness and through the gap (2) in-between the tub and rear bumper.
- Secure the Tailgate Locking External Harness (1) to the existing vehicle harness approximately every 300mm using the supplied Cable Ties (3).
- Trim any excess Cable Tie length.



— STEP 22 —

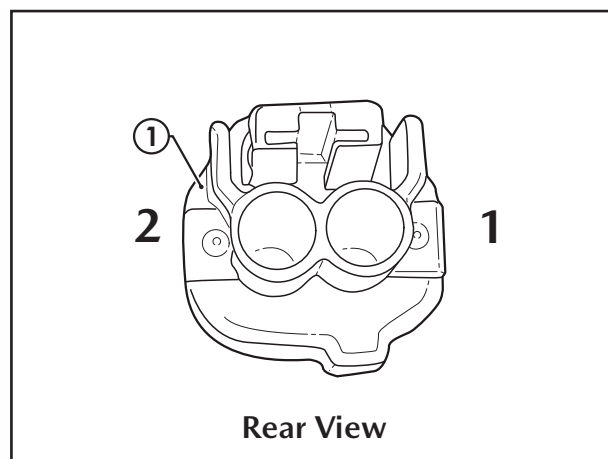
- Route the two un-housed circuits of the Tailgate Locking External Harness (1) through hole (2) in the bottom of the tailgate sheet metal shown and ensure the Tailgate Locking External Harness grommet (3) is securely fitted in the hole.
- Secure the Tailgate Locking External Harness (1) to support bracket (4) within tailgate using the supplied Cable Ties (5).
- Trim any excess Cable Tie length.



— STEP 23 —

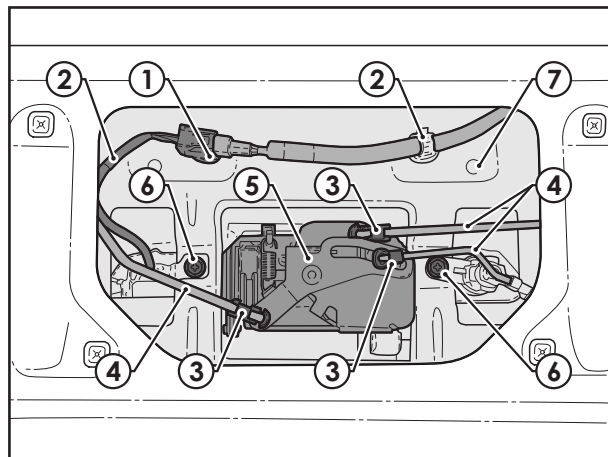
- House the loose terminals from the Tailgate Locking External Harness into the supplied 2-way connector (1), following the table below.

Cavity Number	Wire Colour
1	Blue
2	Green



— STEP 24 —

- Disengage the connector (1) and camera harness (2) clips from the sheet metal in the tailgate.
- Open linkage rod clips (3) and disengage lock linkage rods (4) from Tailgate Locking Assembly (5).
- Using a ratchet and socket, remove the two fasteners (6) securing the Tailgate Locking Assembly (5) to the Tailgate (7) and remove assembly.



— STEP 25 —

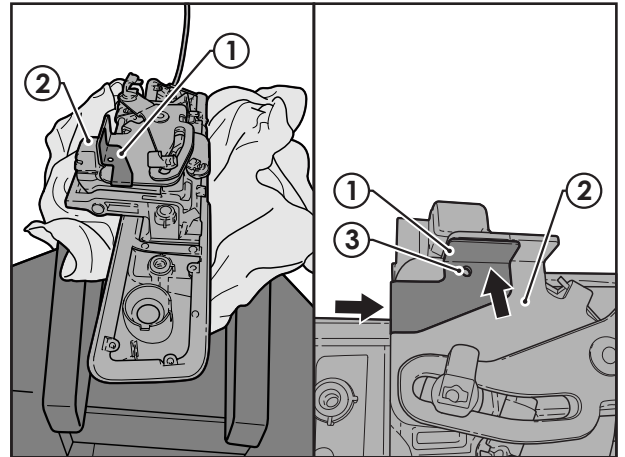
- Wrap old cloths around tailgate locking assembly to protect surfaces and edges and place firmly into vice as shown.
- Fit and secure drilling jig (1) hard up against the edges shown of tailgate locking assembly (2) to determine position of hole to be drilled.

Important



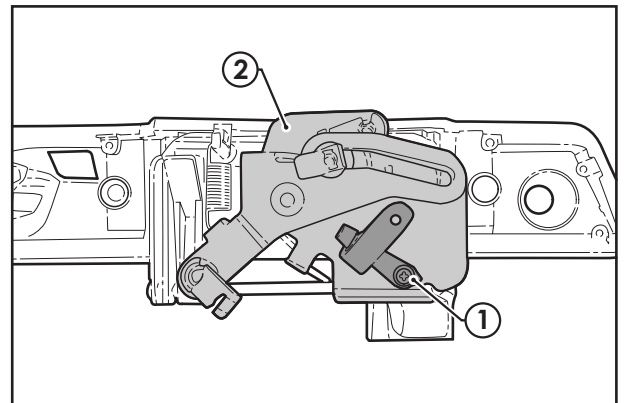
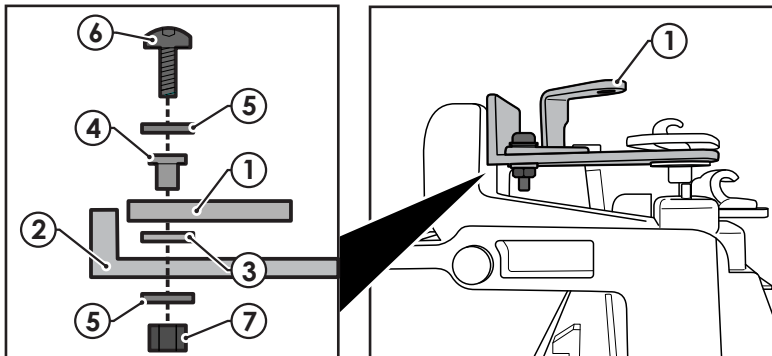
Ensure drilling jig aligns with profile of tailgate locking assembly before drilling.

- Using a Ø3.6mm drill bit, drill hole using the through hole (3) in drilling jig as a guide.
- Remove drilling jig and clean both sides of the hole to remove any burrs with deburring countersink bit and file.



— STEP 26 —

- Apply Thread Lock to inside of M3 nyloc nut (7) prior to fitting it.
- Assemble Tailgate Lever Assembly (1) to the tailgate locking assembly (2) using the supplied M3 acetal flat washer (3), M3 acetal bushing (4), M3 flat washers (5), M3 Pan head bolt (6) and M3 Nyloc nut (7) as shown below.



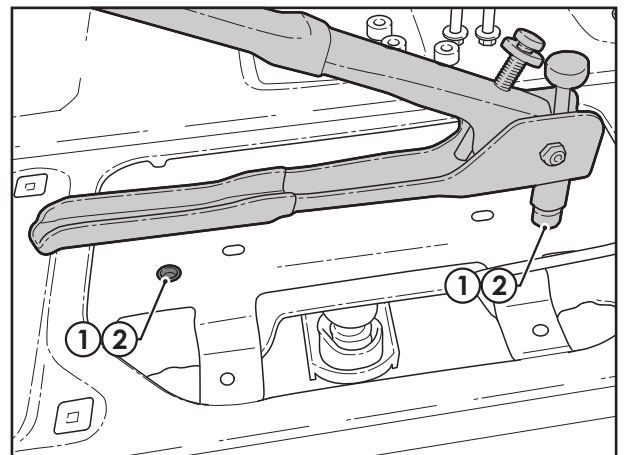
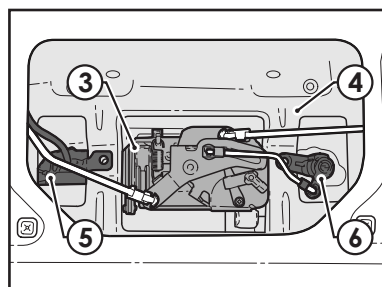
Important



Torque M3 Bolt up to 0.8N.m.

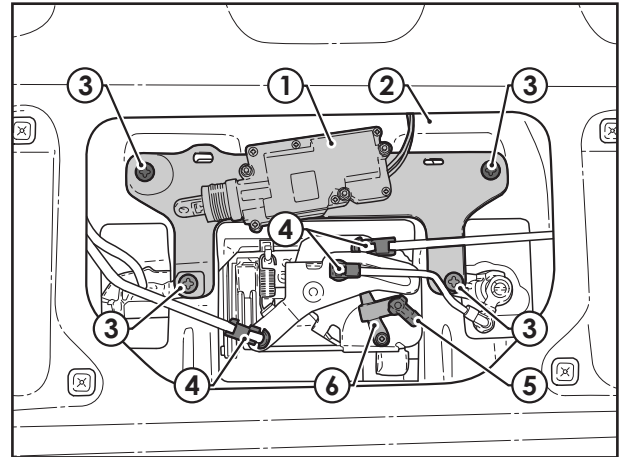
— STEP 27 —

- Fit two supplied M6 Rivet Nuts (1) into the existing holes (2) in tailgate sheet metal as shown using a Nutsert Tool.
- Place the Tailgate Locking Assembly (3) back into the Tailgate (4).
- Re-fit camera (5) and lock (6) back into place.



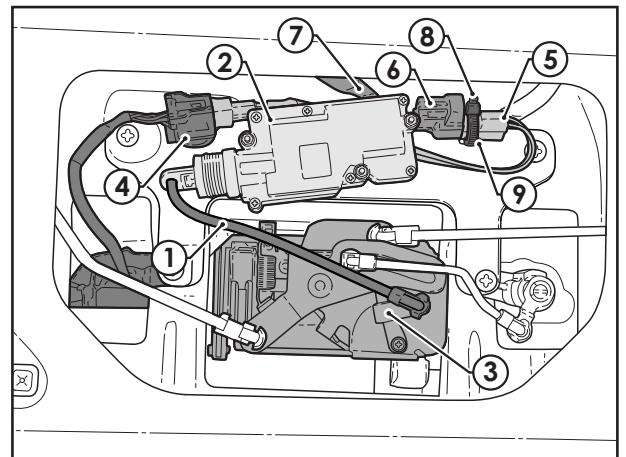
— STEP 28 —

- Place Tailgate Actuator Assembly (1) into the tailgate (2) and secure the holes of the assembly using the four supplied M6x35mm Hex Head Bolts (3).
- Re-fit existing lock linkage rods to clips (4).
- Fit supplied linkage rod clip (5) to Tailgate Lever Assembly (6).



— STEP 29 —

- Fit the Tailgate Actuator Link (1) between the Actuator (2) and Tailgate Lever Assembly (3).
- Mount Camera interconnect to clip slot (4) in Tailgate Actuator Assembly.
- Connect the 2-way male connector (5) on the Actuator to the 2-way female connector (6) on the Tailgate Locking External Harness (7).
- Cable tie (8) connector and Camera harness to the slot (9) in Tailgate Actuator Assembly.
- Trim any excess Cable Tie length.



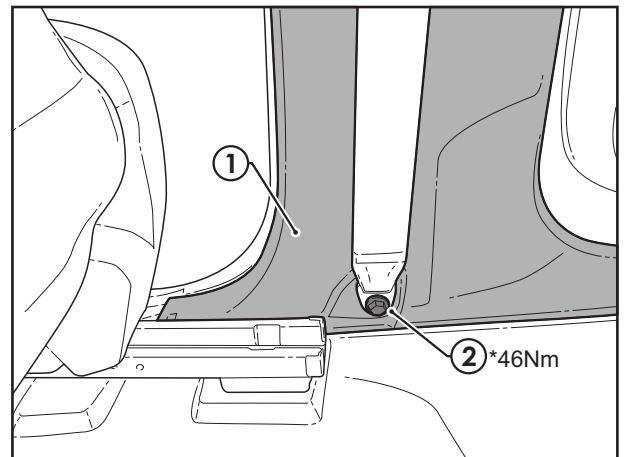
— STEP 30 —

- When refitting the B-Pillar trim (1) ensure the seat belt bolt (2) is torqued as per the manufacturer torque spec (46Nm).

Important

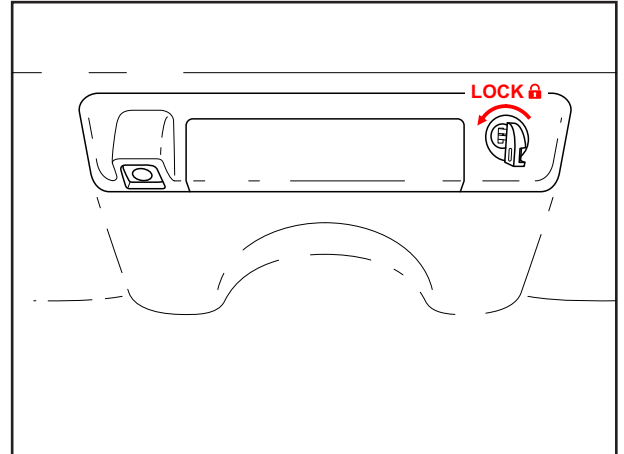


Mounting bolt retaining the lower B-pillar to be torqued to 46 N.m.



— STEP 31 —

- Reconnect the engine bay negative battery terminal.
 - Use the vehicle key to physically lock the key barrel of the tailgate, by turning key to the left.
 - Test the operation of the Tailgate Central Locking System.
- i. Close all doors and push the unlock and lock buttons a couple of times on the vehicle key FOB to synchronise the tailgate actuator with the rest of the door locks on the vehicle.
 - ii. Press the unlock button and the lift the tailgate lever to open the tailgate.
 - iii. Close the tailgate and press the lock button, the tailgate lever when lifted will not open the tailgate.



Important



If the mechanism is found to be chattering, repeat Step 28.

Important



Refit all removed parts and secure all fasteners to the Service Manual torque Specifications.

Important



Reprogram all radio stations and clock settings by referring to the vehicles Workshop Manual.

Important



If tailgate only is opened after unlocking the vehicle using the remote control unit (vehicle key FOB), the vehicle will automatically relock within 30 seconds.



Please place the Installation Manual in the glove box after installation is completed.