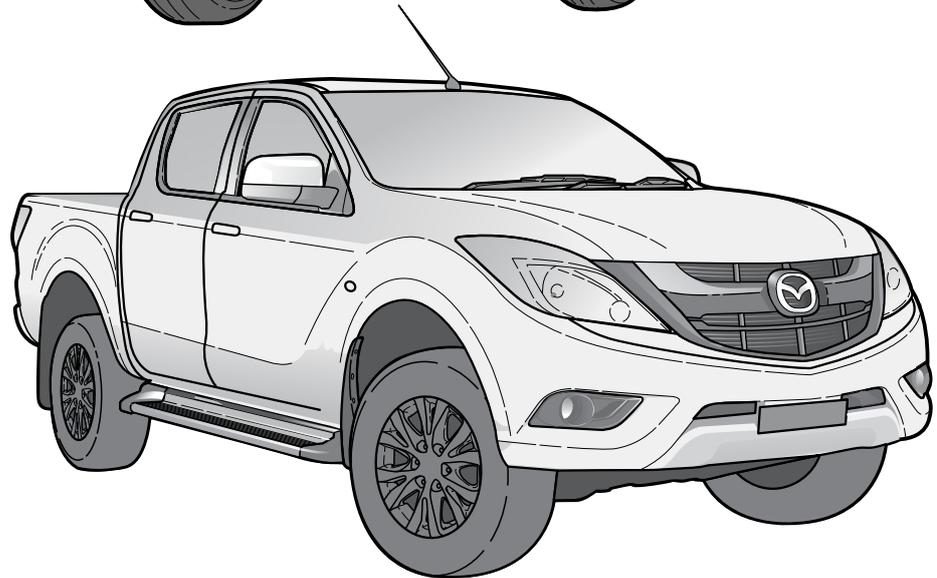
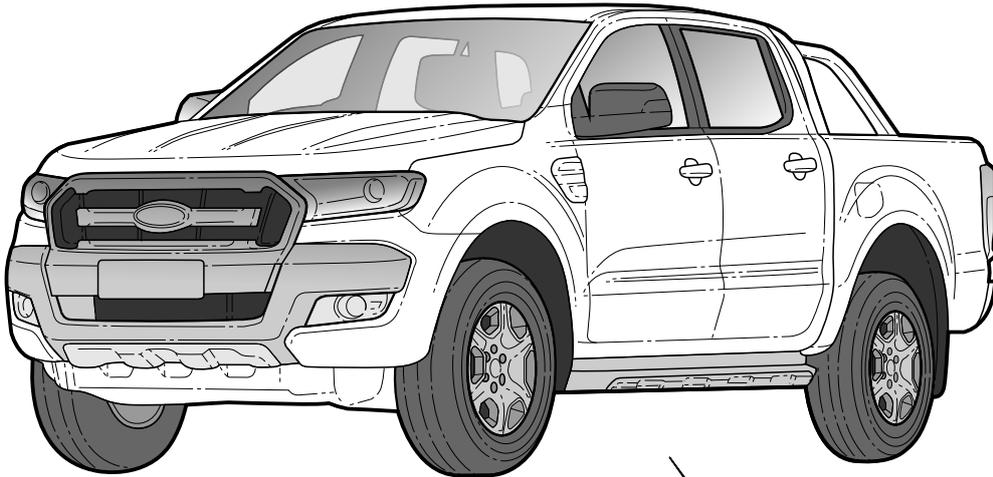


MAZDA BT-50 MY2011-2020/ FORD RANGER MY2011-2022 TAILGATE LOCKING KIT



Fitting Instructions KIT039237

MAZDA BT-50/FORD RANGER

Kit Part No: KIT039237

General Notes

- Read through the fitting instructions before installation of the accessory. Install the accessory following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory.
- Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
- It is always recommended that this accessory is fitted by a qualified Technician.
- Safely store and protect any removed vehicle components.
- Ensure all bare metal surfaces are protected using automotive bare metal primer and touch-up paint, or suitable automotive rust inhibitor.
- Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.

Safety Notes

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

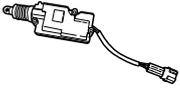
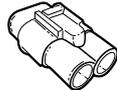
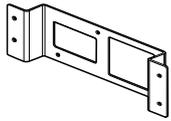
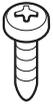
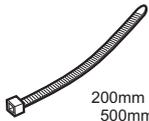
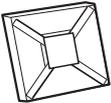
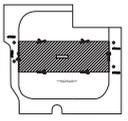


Fitting Time



Est. 40 minutes

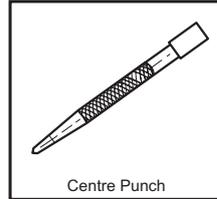
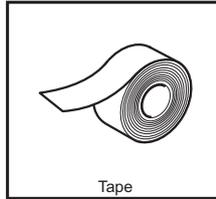
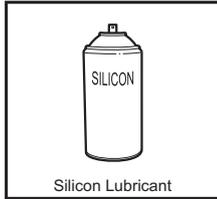
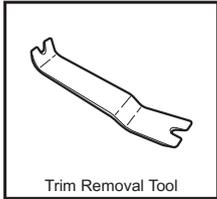
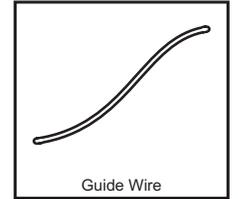
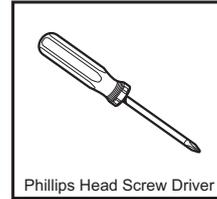
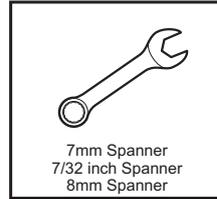
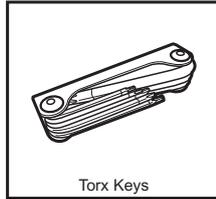
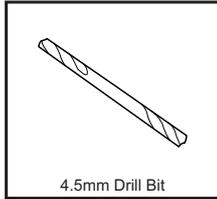
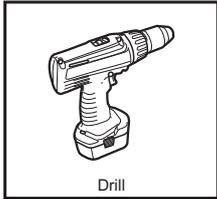
Parts Supplied

 Actuator x1	 Harness x1	 Fuel Flap Patch x1	 2-Way Connector x1	 Locking Arm x1	 Actuator Mounting Bracket x1
 Screws x2	 M3 Pan Head x1	 M3 Flat Washer x2	 M3 Nyloc Nut x1	 M4 Flat Washer x4	 M4 Nyloc Nut x4
 M4 Bolt x4	 Cable Tie x19 200mm x16 500mm x3	 Cable Tie Mount x1	 Cleaning Pad x1	 Rust Inhibitor Compound x1	 Fitting Instructions x1
 Tailgate Template x1 (page 10)					

MAZDA BT-50/FORD RANGER

Kit Part No: KIT039237

— Tools Required —



MAZDA BT-50/FORD RANGER

Kit Part No: KIT039237

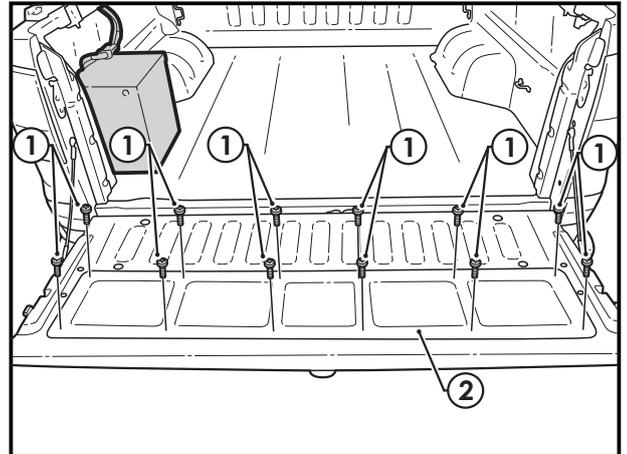
– Step 1

Important



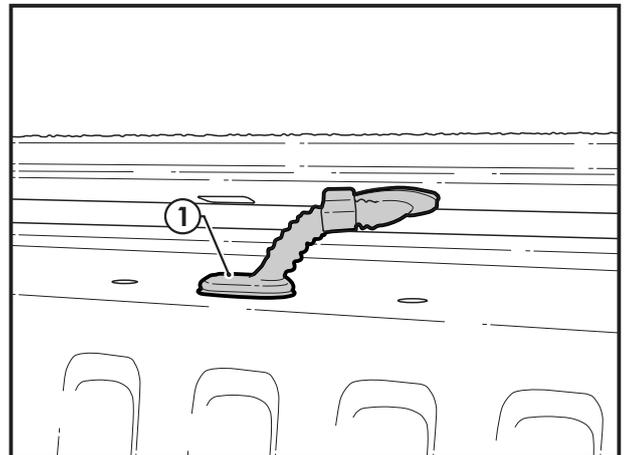
Always refer to the vehicle's Workshop Manual when removing vehicle components.

- Note down all clock and radio settings.
- In the engine bay, disconnect the negative battery terminal.
- At the rear of the vehicle, remove the tailgate cover screws (1) and remove the tailgate cover (2).



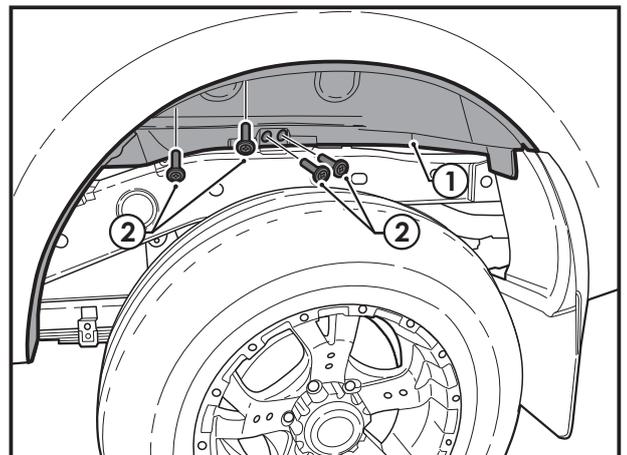
– Step 2

- Dislodge the tailgate rubber grommet (1) on both ends.



– Step 3

- In the LHS rear wheel arch, remove the wheel arch trim (1) by first releasing the trim clips (2).



MAZDA BT-50/FORD RANGER

Kit Part No: KIT039237

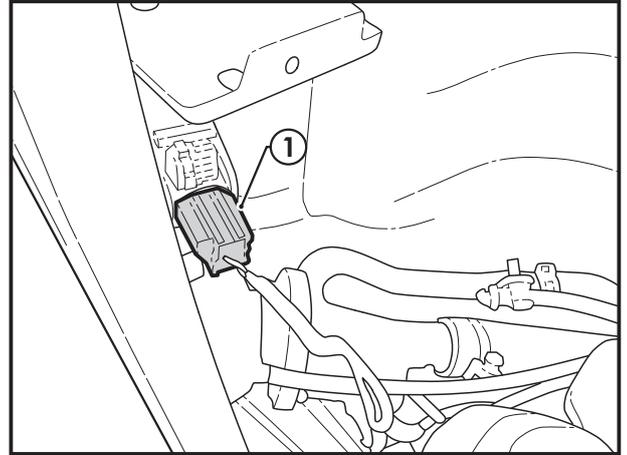
– Step 4

- Unplug the 2-way connector (1) for the fuel flap locking actuator and plug in the 2-way connector patch of the Tailgate Locking Harness.

Important



For vehicles that use AD-BLUE, please use the supplied Adaptor Patch.



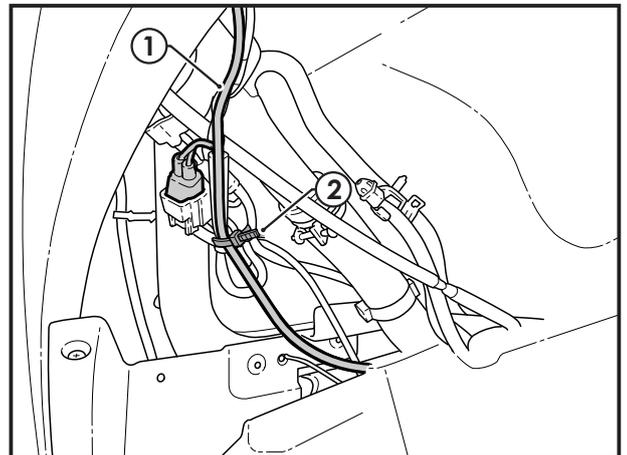
– Step 5

- Route the Tailgate Locking Harness (1) along the existing harness towards the LHS chassis rail.
- Secure using the supplied Cable Ties (2).

Important



DO NOT secure the Tailgate Locking Harness to any RUBBER HOSES OR FUEL LINES.



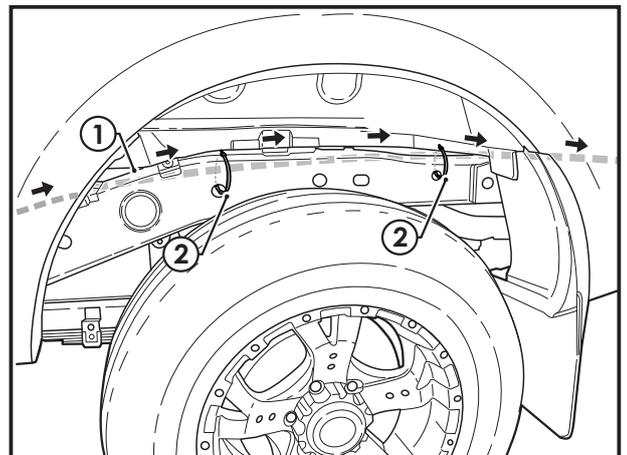
– Step 6

- From underneath the vehicle, route the Tailgate Locking Harness (1) along the LHS chassis rail and towards the rear of the vehicle.
- Secure the Tailgate Locking Harness (1) in place by looping the supplied 500mm cable ties (2) through the holes in the LHS chassis rail.

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.

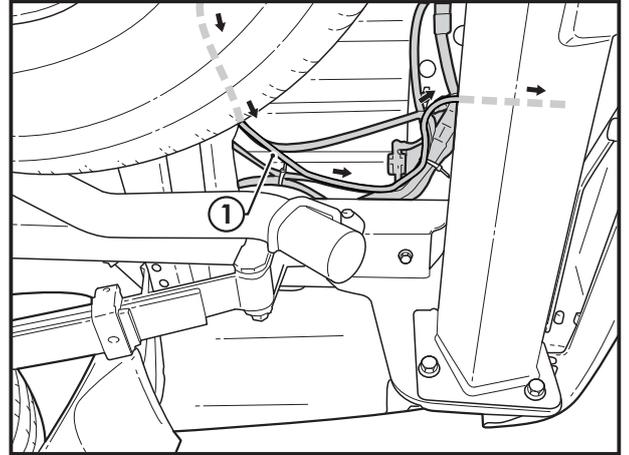


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Kit Part No: KIT039237

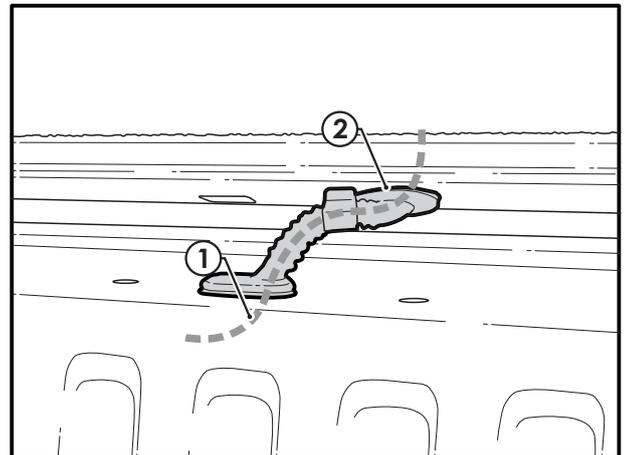
– Step 7

- Route the harness (1) along the cross member above the spare wheel towards the tailgate grommet hole, following the existing vehicle harness.



– Step 8

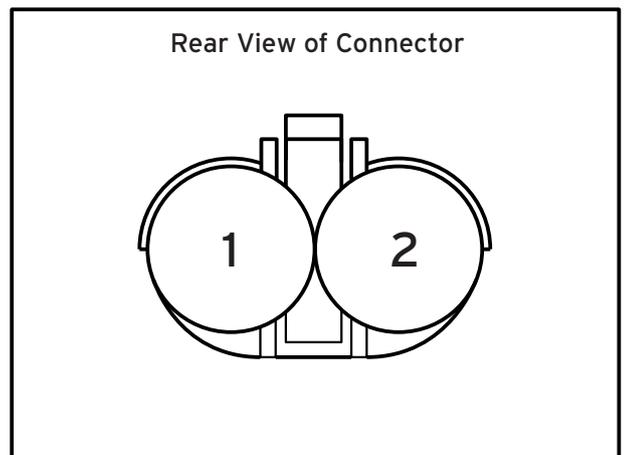
- Feed the terminals (1) through the grommet hole (2).
- Use a guide wire and silicon lubricant to feed the terminals through the tailgate grommet.



– Step 9

- Following the table below, **house** the terminals into the 2-way connector.
- Ensure the terminals **'click'** into place and cannot be **pulled** back out.

Terminal	Wire Colour
1	Blue
2	Green



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– Step 10

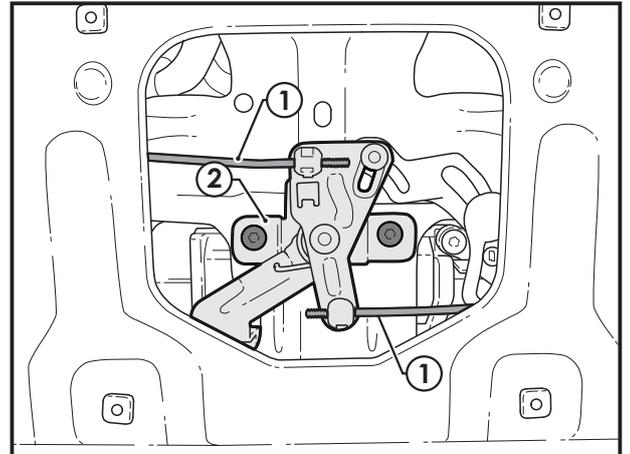
- Release the mechanism rods (1) and remove the tailgate locking mechanism (2).

Note: Support the exterior handle when undoing the mechanism retaining screws.

Important



Mark the mechanism rods (1) before removing. These must be reinstalled in the same position.



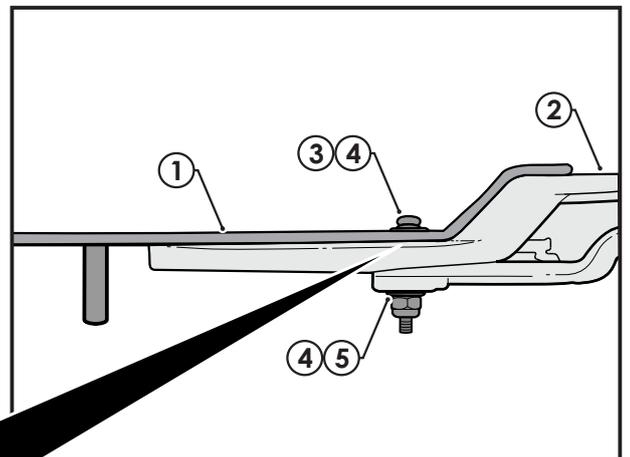
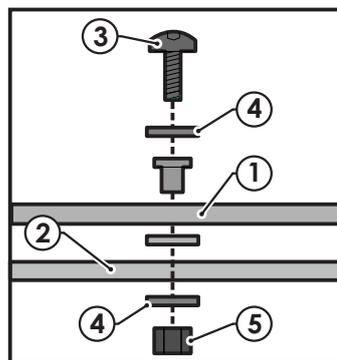
– Step 11

- Mount the Locking Arm (1) to the locking mechanism (2) using the supplied M3 Pan Head Bolt (3), M3 Flat Washers (4) and Nyloc Nut (5).

Important



Over tensioning the bolt can damage the mechanism.



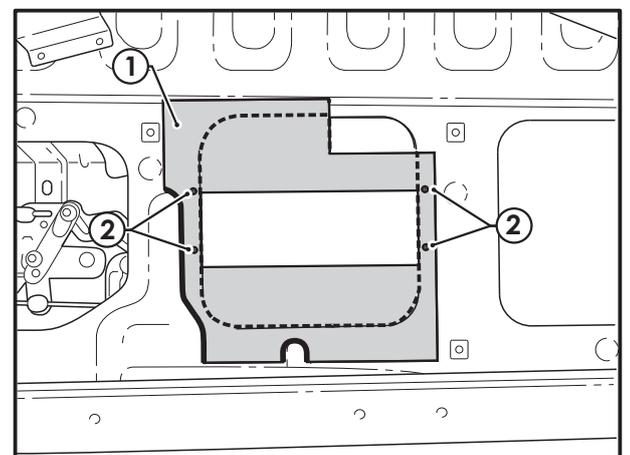
– Step 12

Important



Ensure the Template (1) is seated securely before drilling.

- Using the supplied Templates (1), centre punch the centres of the mounting holes.
- Drill the four holes (2) using the Ø4.5mm drill bit.
- Apply the supplied Rust Inhibitor Compound to drilled locations.



MAZDA BT-50/FORD RANGER

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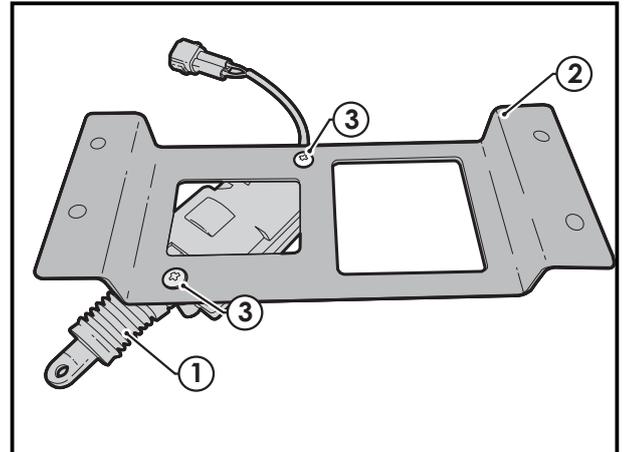
– Step 13

- Fit the Actuator (1) to the Mounting Bracket (2) using the supplied Screws (3).

Important

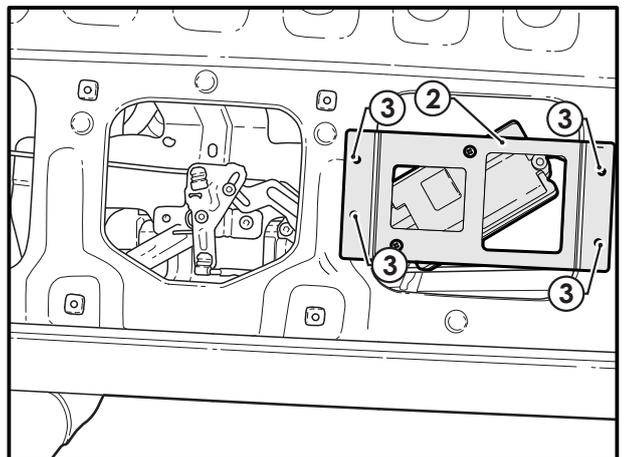
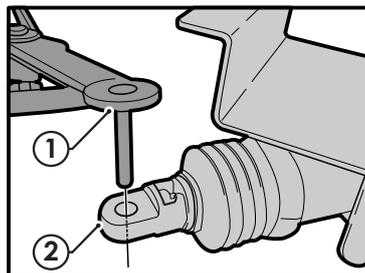


Orientate the actuator as shown.



– Step 14

- Mount the Actuator Bracket assembly to the tailgate, ensuring that the locking arm (1) is inserted into the Actuator (2) as shown.
- Secure the Actuator Bracket assembly to the tailgate using the supplied M4 Bolts, Nuts and Washers (3).
- Plug in the Actuator (2).



– Step 15

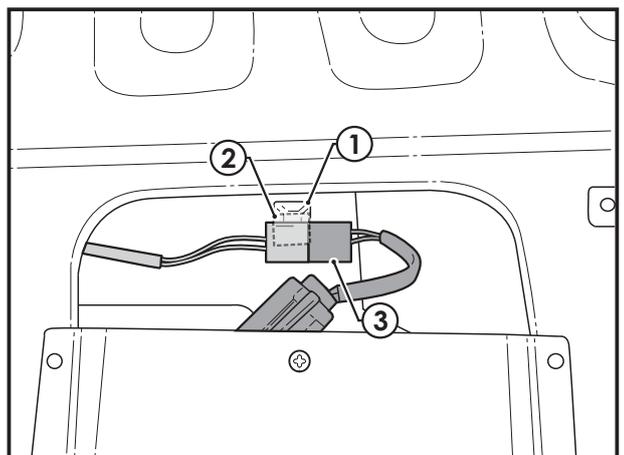
- Clean the inside area (1) of the tailgate as indicated, using the supplied Cleaning Pad.

Important



Allow the area to dry before proceeding.

- Install a Cable Tie Mount (1) to the cleaned area (2).
- Secure the harness connector (3) using the Cable Tie Mount (2) and a supplied 200mm Cable Tie.



MAZDA BT-50/FORD RANGER

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– Step 16

- Test the actuator lock operation. The actuator should 'push' to unlock and 'pull' to lock.

Important



If the operation is reversed, check the terminal housing performed in Step 9.

Important



Ensure the mechanism rods are installed before closing the tailgate.

Important



Secure all harnesses to the vehicle using the supplied Cable Ties. Refit all removed parts and secure all fasteners to Service Manual torque specifications.

Important

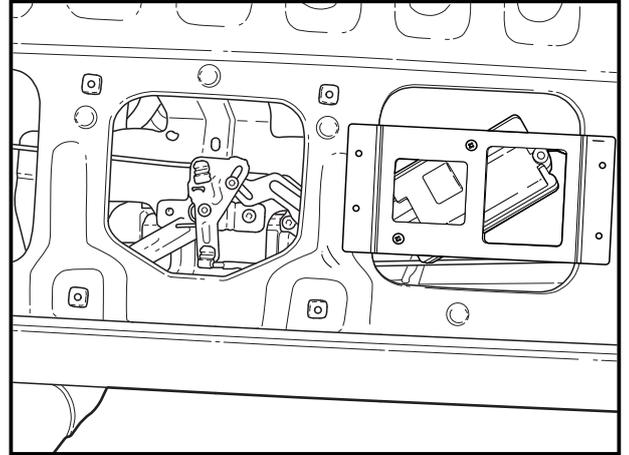


Reprogram all radio stations and clock settings by referring to the vehicle's Workshop Manual.

Important



If the mechanism is found to be chattering, repeat Step 11.



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