



INSTALLATION INSTRUCTIONS

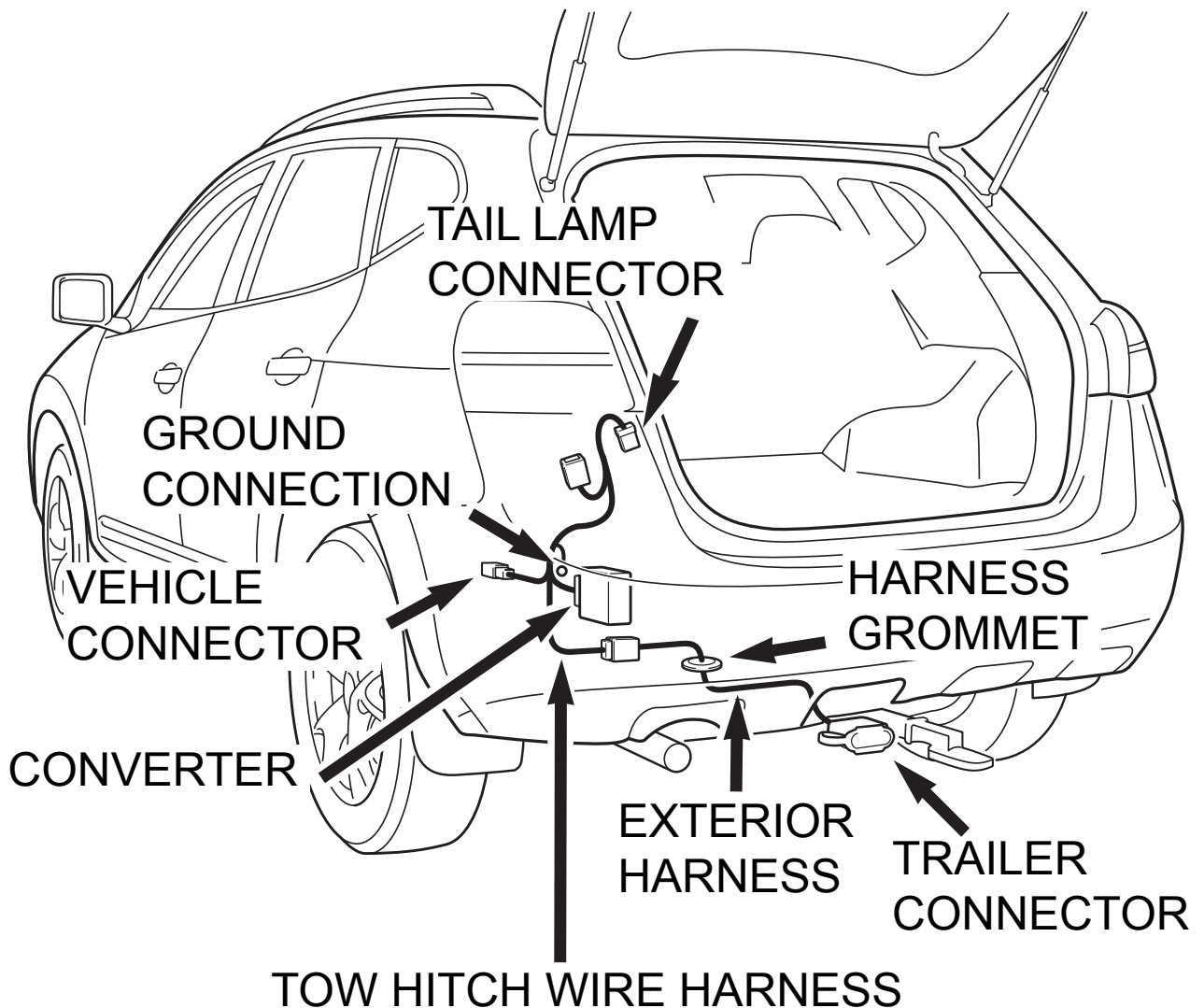
[1] Description: **Tow Hitch Wire Harness Kit**

[2] Application: **Nissan Rogue**

Note: Tow Harness application is limited to specific vehicle option packages that include tow harness pre-wiring. Consult the Nissan Accessory Application Chart at your Nissan Dealer to determine applicability to a specific vehicle.

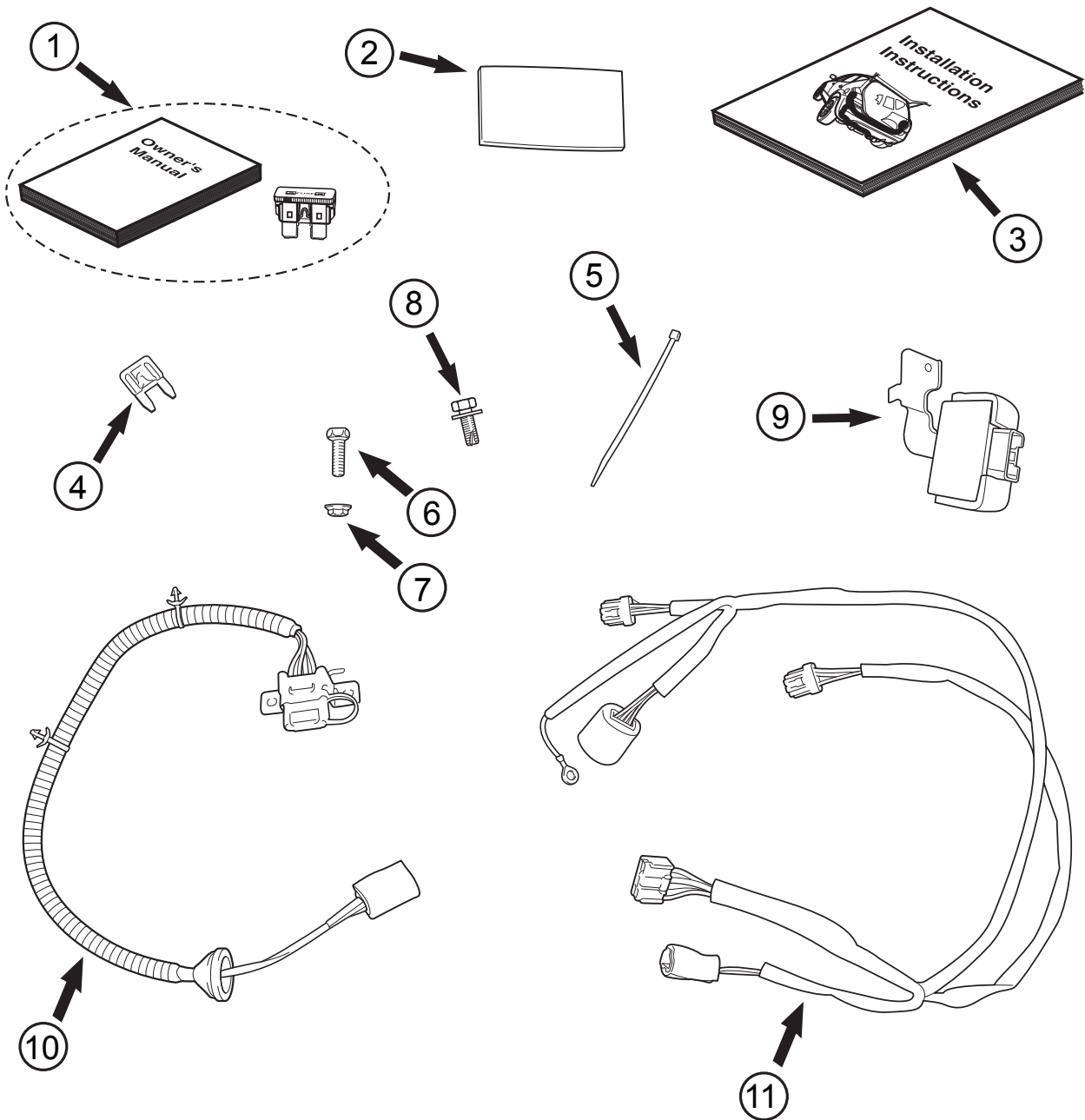
[3] Part Number: **999T8 GU000**

[4] Illustration of the Completed Installation



[5] Kit Contents

| NO. | DESCRIPTION | QTY. | NO. | DESCRIPTION | QTY. |
|-----|-------------------------------|------|-----|---|------|
| 1 | Owner's manual including fuse | 1 | 7 | Nut (M5) black | 2 |
| 2 | Packing (foam tape) | 1 | 8 | Special self-tapping ground bolt (M6 x l16) | 1 |
| 3 | Installation manual | 1 | 9 | Converter | 1 |
| 4 | Fuse (30A) | 1 | 10 | Exterior harness | 1 |
| 5 | Plastic ties (small) | 7 | 11 | Tow hitch wire harness | 1 |
| 6 | Bolt (M5 x l 16) black | 2 | | | |



[6] Tools Required

1. Hand tools: 3/8" drive ratchet, sockets (8mm, 10mm), 8mm box/open wrench, 3/8" drive torque wrench (32 in•lb to 69 in•lb), small screw driver, screw driver (+, #2), a file, sandpaper, true flush cutters.
2. Special tools: Nylon removal tool or plastic clip removal tool, 30mm stepper drill or 1 1/8" hole saw, drill motor.
3. Other: Fender covers, proper clothing, isopropyl alcohol.

NOTE

- Lay out all tools necessary to perform the installation.
- Use appropriate tools and recommended special tools where specified.

[7] Installation Precautions

1. This manual contains installation procedures for the Nissan Rogue tow hitch wiring harness and power converter. In order to assure your safety and the proper installation of this kit, this manual should be read thoroughly. It is especially important that all precautions are completely understood before starting any installation task. **General information and some illustrations outlined in this installation manual are from Nissan Motor Co., Ltd. service manuals.**
2. If installation will be carried out by more than one person, pay special attention to ensure co-worker's safety.
3. Make sure sufficient ventilation is provided while engine is running.
4. Take special care when working with heated, rotating, sliding, or moving parts to prevent bodily injury.
5. When raising the vehicle, refer to the appropriate manufacturer's service manual.
6. Take special care to ensure clearance between components such as brake parts, fuel system, and electric wires as specified in this publication.
7. If a problem is found with the tow hitch system due to installation, refer back to the instructions to correct the problem.



Supplemental Restraint System (SRS) "Air Bag"

- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in the Service Manual. For easy identification, SRS wiring harnesses are covered with yellow insulation either just before the harness connectors or for the complete harness.

Definition of Terms

⚠ WARNING

- This is used to indicate the presence of a hazard that could cause serious personal injury or death. To avoid or reduce the risk, the procedures must be followed precisely.

⚠ CAUTION

- This is used to indicate the presence of a hazard that could cause minor or moderate personal injury or damage to your vehicle. To avoid or reduce the risk, the procedures must be followed carefully.

NOTE

- Provides additional information that facilitates installation work.

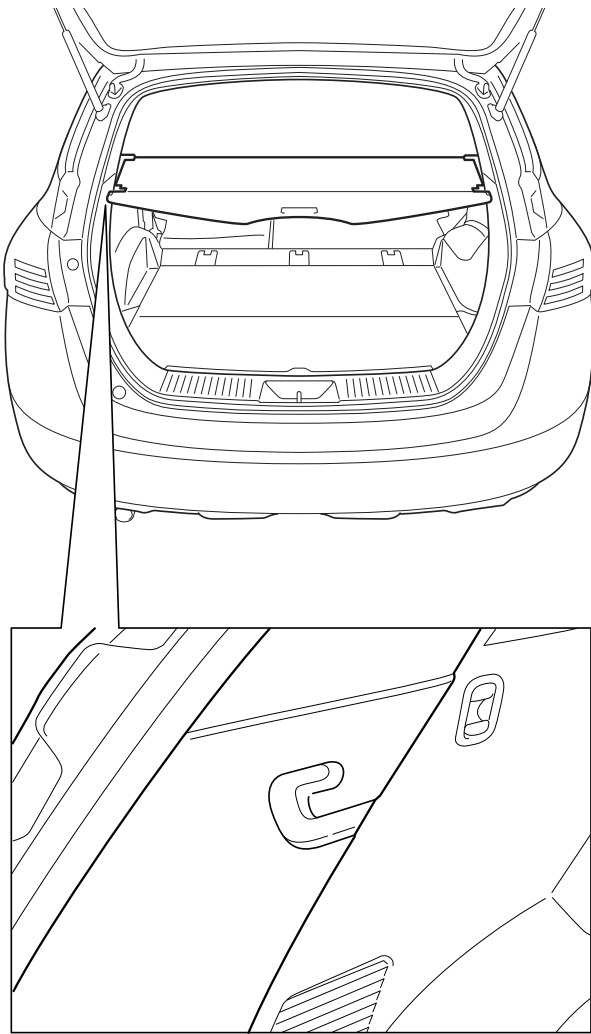
[8] Preparation for Installation

1. Park the vehicle on level flat ground.
2. Turn off the ignition and engage the parking brake.
3. Record all radio presets (if necessary).
4. Check that all vehicle lighting systems are functional (headlights, brakelights, turn signals, side markers, reverse lights, etc.).
5. Disconnect the negative terminal of the battery.

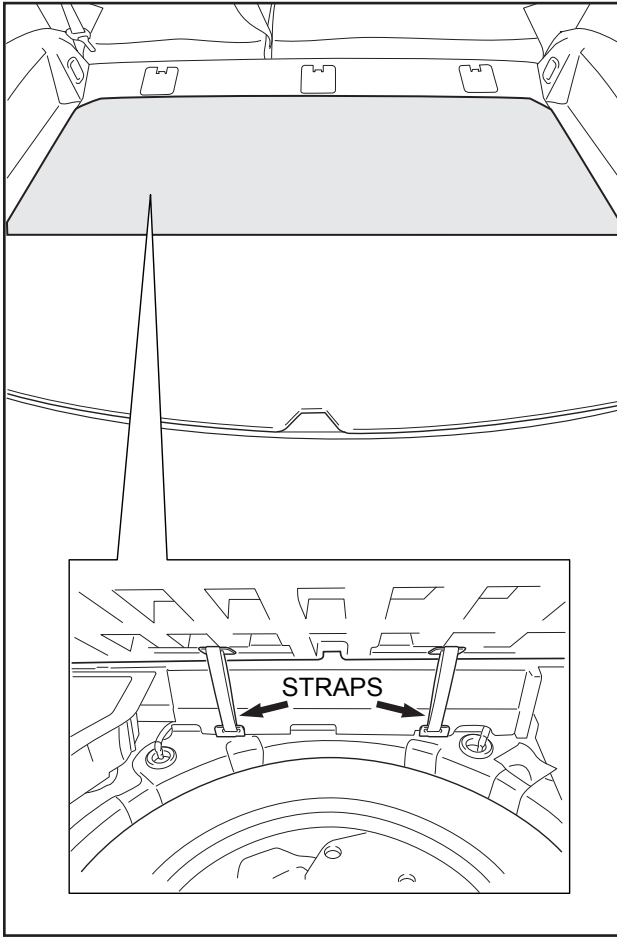
[9] Component Removal

NOTE

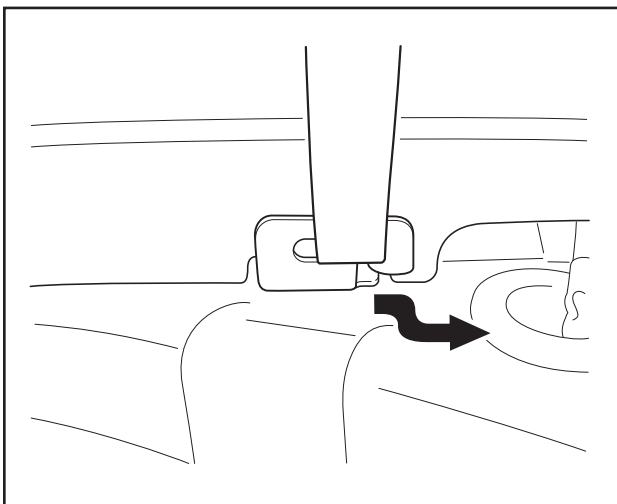
- When removing interior components place on a clean dry surface; safe from damage, soiling and loss.



1. Remove package cover (if equipped).

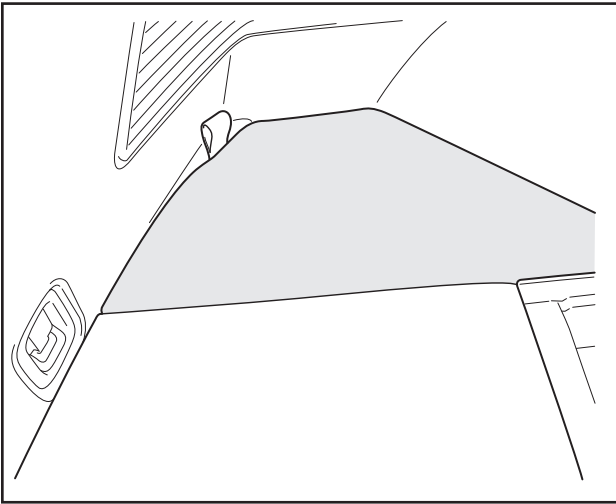


2. Fold down both rear seat backs. Lift spare tire cover and remove it by sliding the 2 straps out of the retainers.

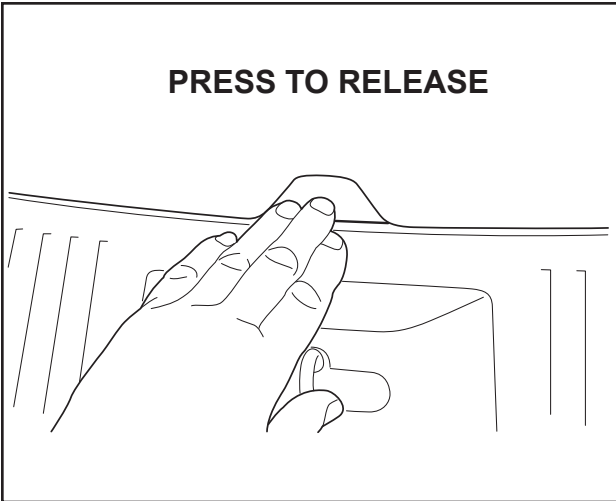


NOTE

- Remove strap by moving it downward and outward.



3. Remove both driver's side and passenger's side storage tray covers.

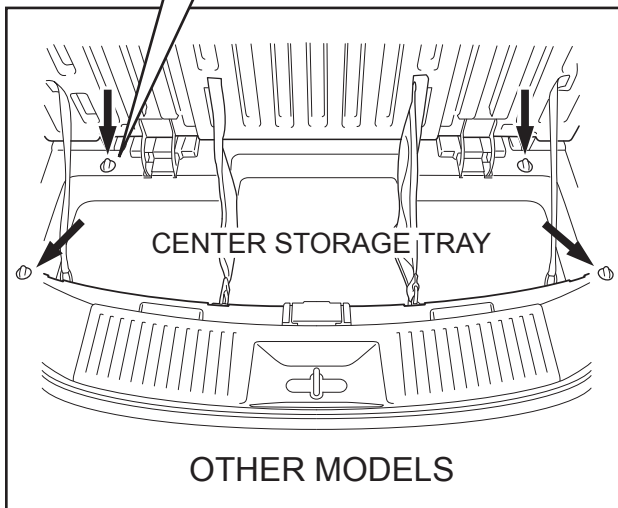
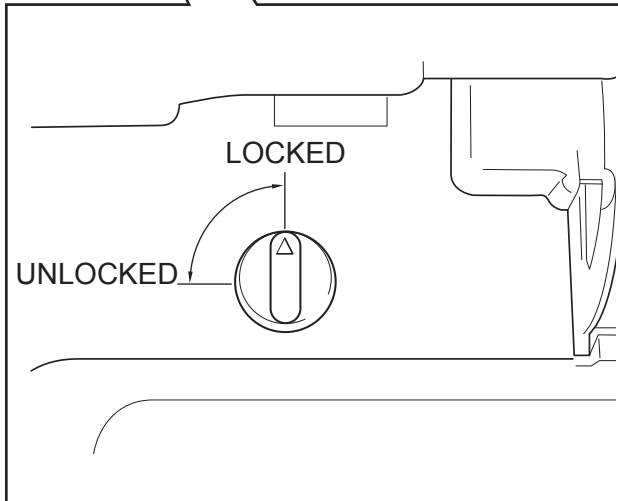
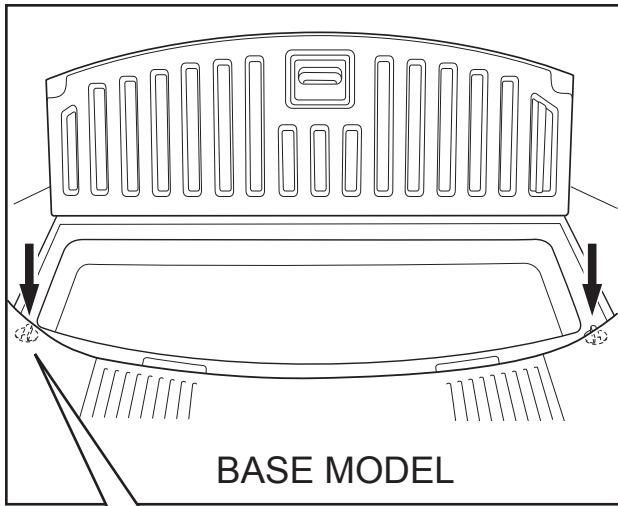


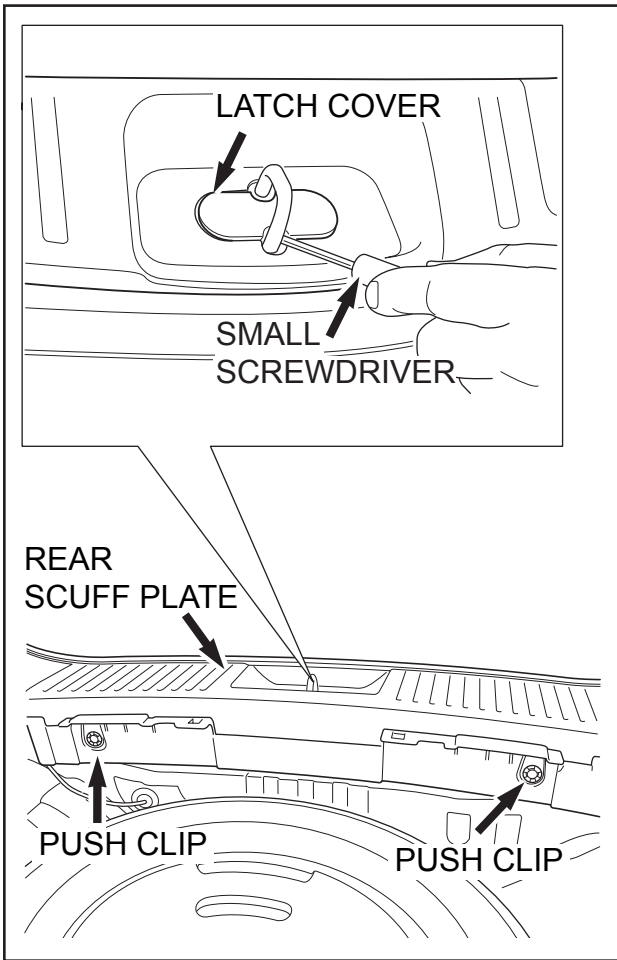
- 4a. Remove rear center storage tray by pressing the release.

NOTE

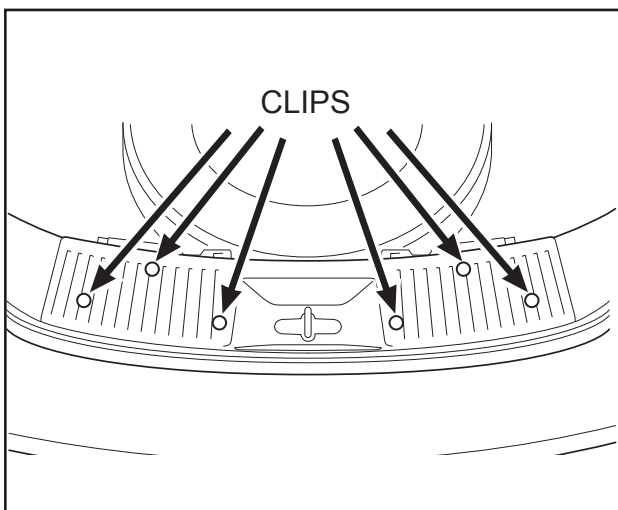
- During reassembly, make sure alignment tab fits into the recess so latch sits flat.

- 4b. Turn the knobs counter-clockwise to release. Next, remove center storage tray.





- 5a. Remove rear scuff plate.
- 5b. First remove small latch cover. Use a small screw driver.
- 5c. Remove the 2 push clips from the lower side of the scuff plate.



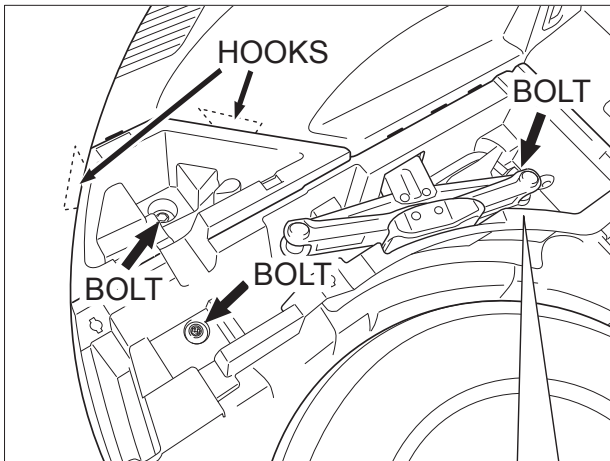
- 5d. Using a nylon tool, unlatch the 6 panel clips located on the bottom of the rear scuff plate and remove scuff plate.

NOTE

- Make sure the white panel clips remain properly positioned in the slots.

⚠ CAUTION

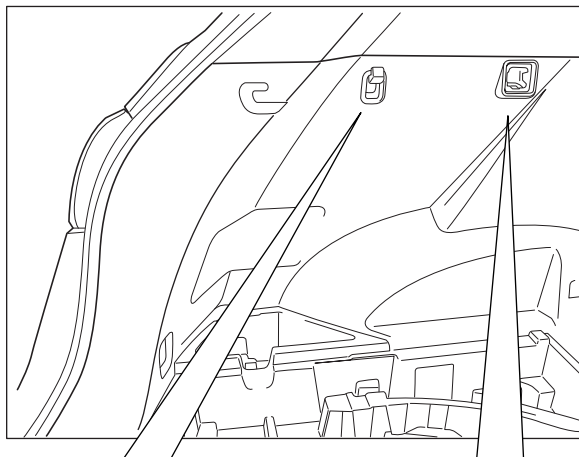
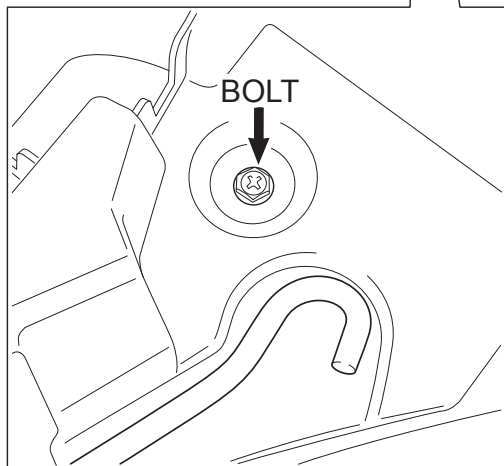
- If clips are damaged or lost use Nissan replacement panel clip P/N 80999-VE000.



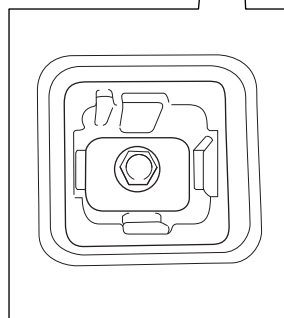
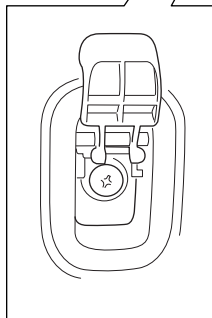
- Using a 10mm socket, remove the 3 bolts, unhook the driver's side storage tray from the driver's side trim panel and then remove the driver's side storage tray.

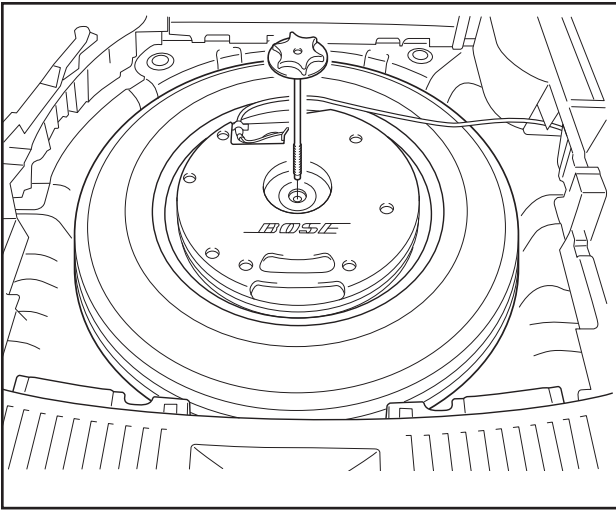
⚠ CAUTION

- Be careful not to break hooks when removing storage tray.

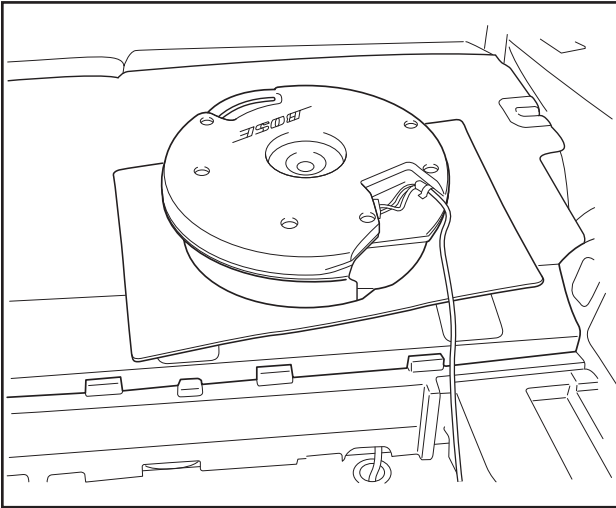


- Use a screwdriver (+) to remove the screw from the cargo net hook and a 10mm socket to remove the bolt from the package cover retainer.



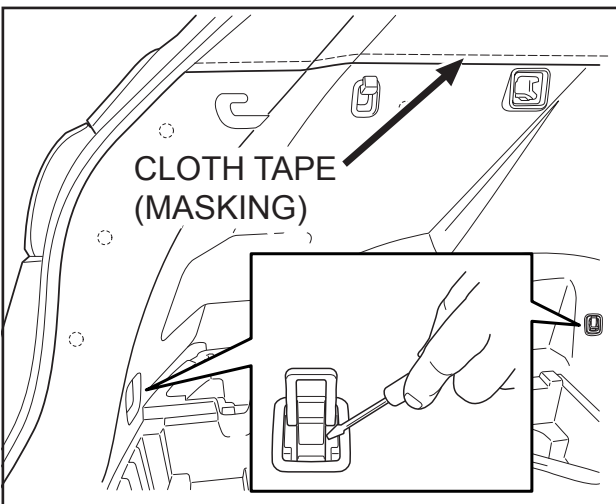


8. Remove spare tire.

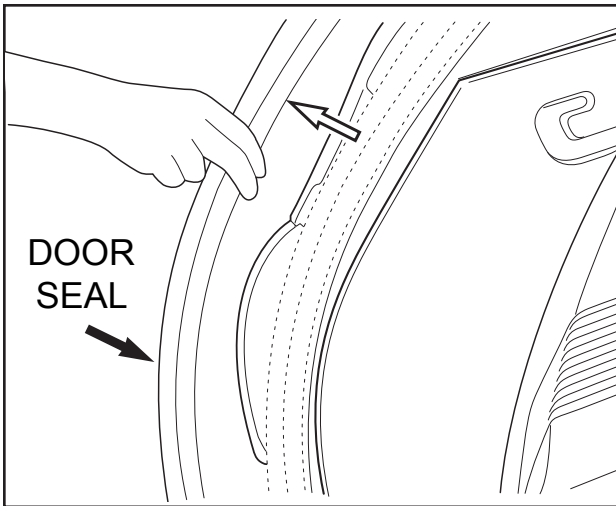


NOTE

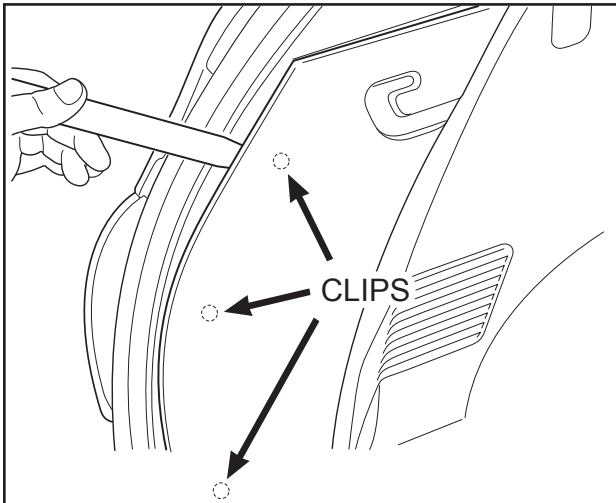
- If equipped with a woofer, place the woofer on a blanket or other protective material on the passenger side rear seat back.



9. Using a small screw driver and a 10mm socket remove the 2 cargo tie downs and apply cloth tape (masking) on the upper driver's side trim panel to protect it during disassembly.



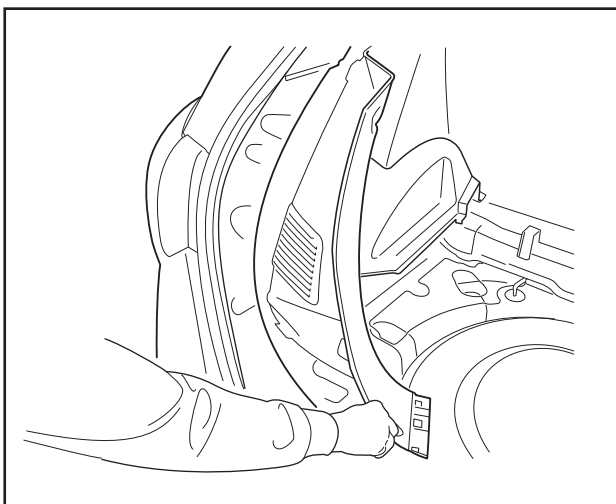
10. Partially remove the driver's side rear door seal up to just above the tail light.



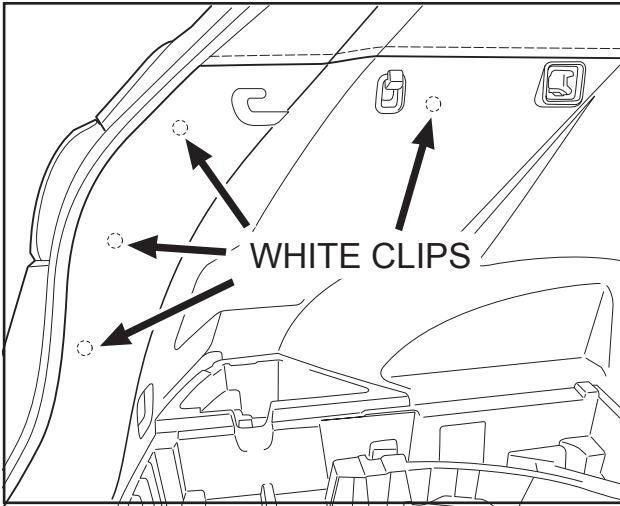
11. Using a nylon tool, slightly lift the trim panel and locate the exact clip attachment locations on the panel in 3 places.

⚠ CAUTION

- It is important that you position your nylon tool under the clip body as shown. This will avoid any damage to the clips on the body panel.

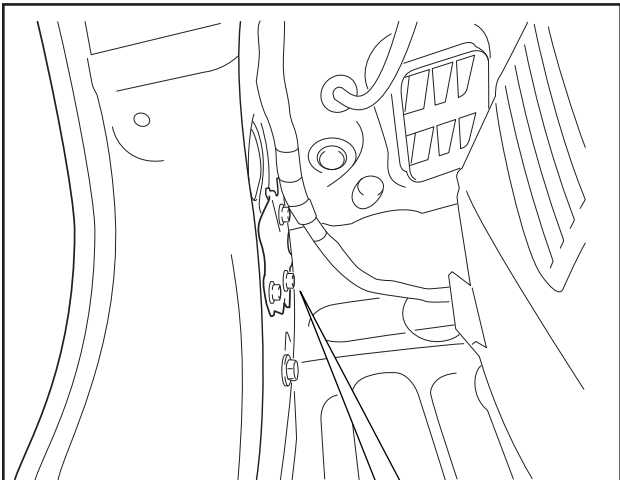


12. Move panel away from the body. Be careful not crease the panel or lose any of the clips.

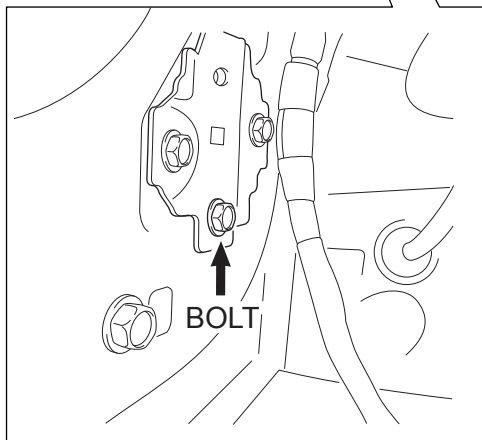


NOTE

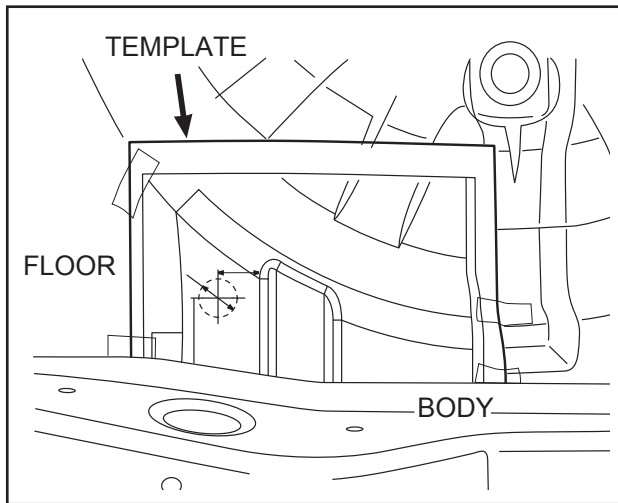
- Make sure the 4 white clips remain properly positioned in their slots.



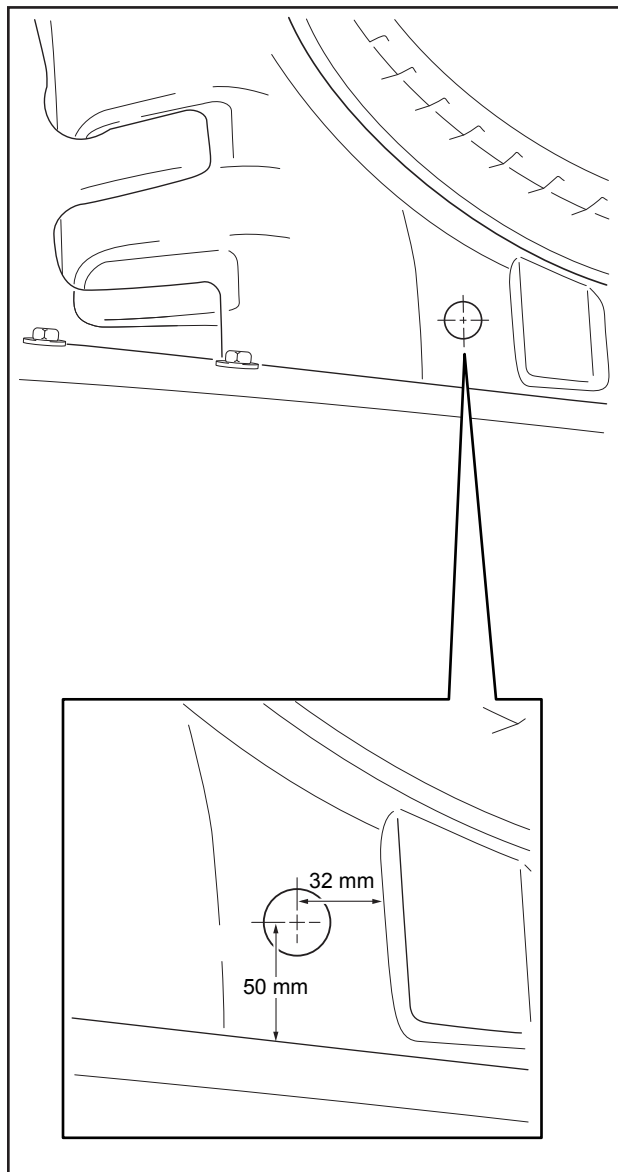
DRIVER'S SIDE
REAR CARGO AREA



13. Remove the bolt and save it to mount the converter in section [10] Step 1.



14. Use template on page 29 to locate correct location to drill a 30mm (1 1/8") (+/- 1.5mm (1 1/8" to 1 3/16")) hole. Cut template along dotted 'cut line'. Place the cut side of the template against the rear corner of the floor and rear body section of the vehicle and secure in place using cloth tape.



- 15a. Center punch the center of the hole. Then use a stepper drill (preferred) or a hole saw to cut a 30mm (1 1/8") hole.
- 15b. Use a file or sandpaper to dress the edge of the hole. After the edge of the hole is smooth, apply Nissan anti-corrosion spray P/N 999MP-9G001P to the edge of the hole.
- 15c. Clean the drilling debris from the inside of the vehicle by vacuuming the area thoroughly.

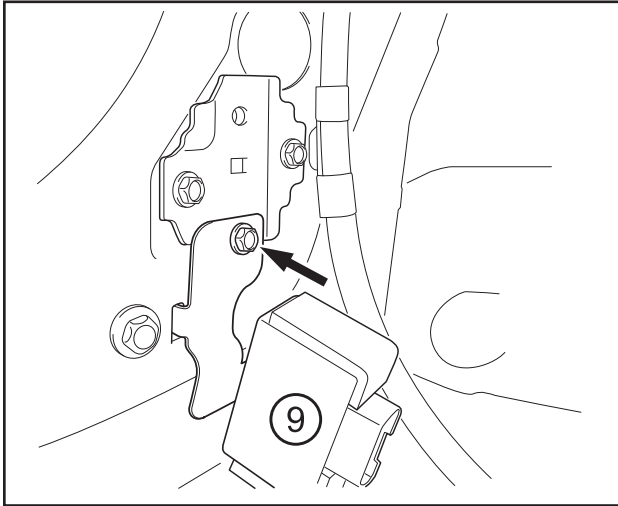
⚠ CAUTION

- The hole size and proper dressing of the hole is critical to prevent exhaust or water intrusion into the vehicle's interior.
- If the hole is too large, use butyl tape to insure the grommet is properly sealed.

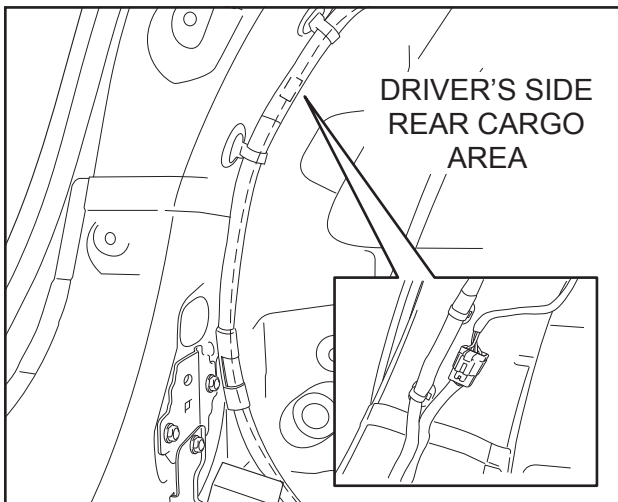
⚠ CAUTION

- The proper Nissan anti-corrosion spray must be used to prevent the area around the hole from rusting and/or corroding.

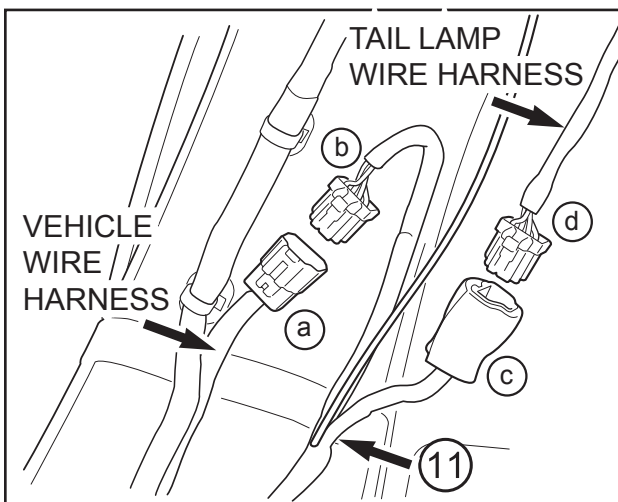
[10] Component Installation



1. Mount the converter ⑨ using the previously removed bolt. Use a 10mm socket and torque wrench. Torque to 8.0 Nm (0.8 Kg·m, 69 in·lb).



2. Disconnect the driver's side rear tail lamp 4-pin connector.



3. Connect the vehicle wire harness 4-pin connector ① to the tow hitch wire harness ⑪ 4-pin connector ②. Connect the tow hitch wire 4-pin connector ③ (with packing (foam tape)) and the tail lamp wire harness 4-pin connector ④.

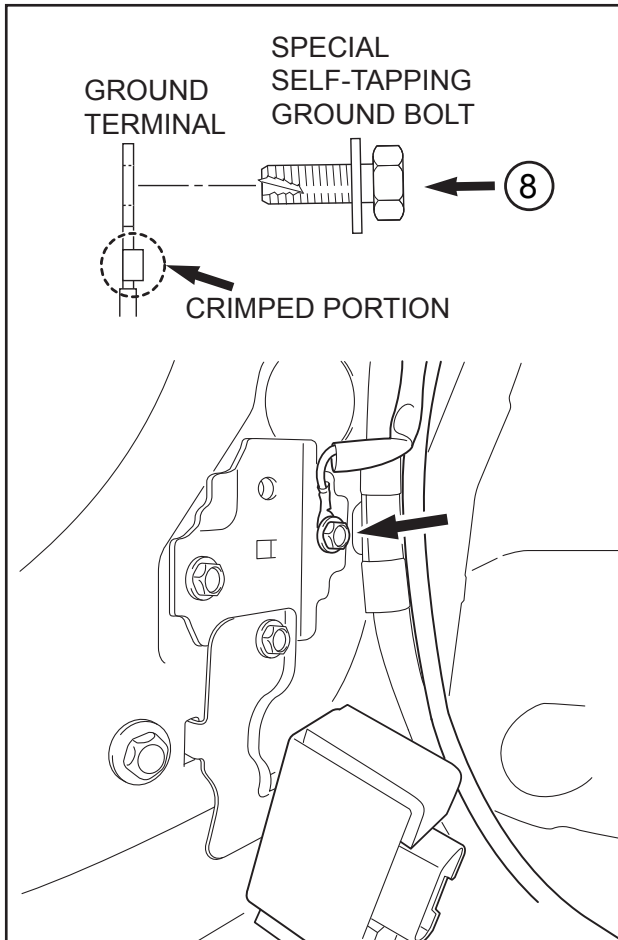
[10A] Critical Installation Area

The special self-tapping ground bolt must be used.

At this step of the installation, it is important that the special self-tapping ground bolt is used and the original bolt is discarded.

The special self-tapping ground bolt designed to ensure the converter system has an excellent ground connection.

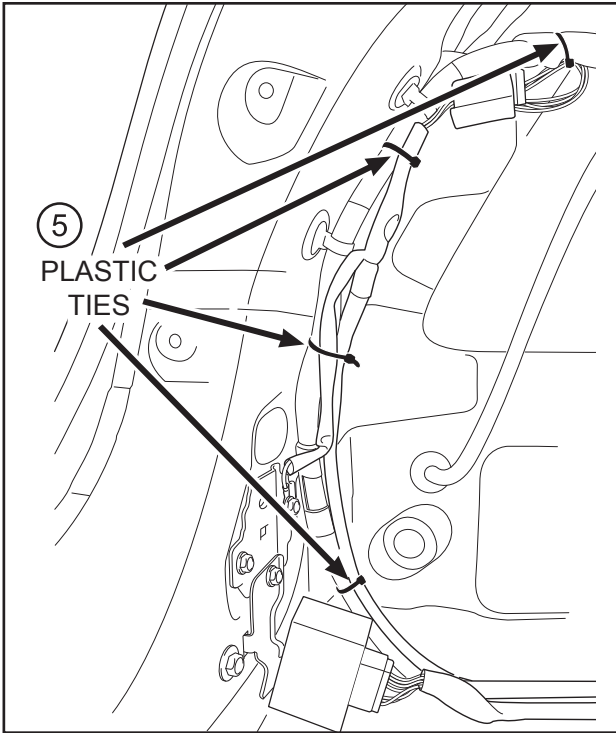
The use of the original bolt may cause the system to malfunction.



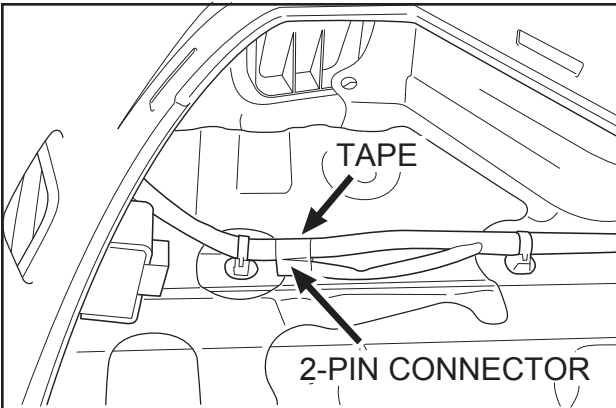
4. Remove and discard the original bolt securing the driver's side of the bracket. Route the ground wire of the tow hitch wire harness ⑪ so the wire from the eyelet is upward (as shown). Secure the ground wire to the vehicle with the special self-tapping ground bolt (M6 x ⑪16) ⑧ supplied in the kit. Using a 10mm socket and torque wrench, torque the special self-tapping ground bolt ⑧ to 8.0 Nm (0.8 Kg·m, 69 in·lb.)

⚠ CAUTION

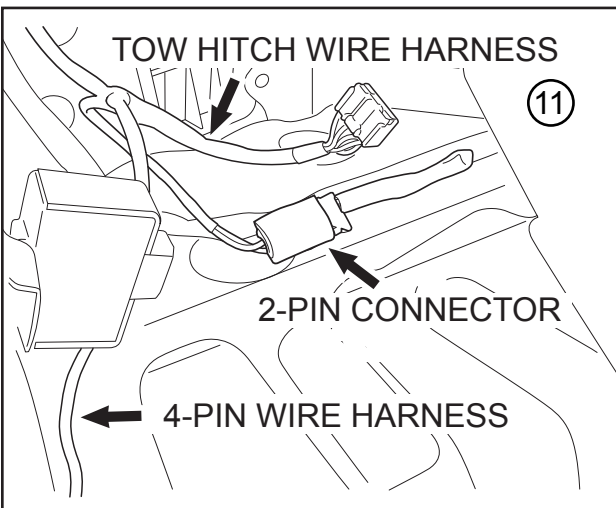
- Align the crimped portion of the ground terminal in the direction as shown in the figure. Secure it to the vehicle body with the special self-tapping ground bolt ⑧. Make sure that the ground wire is not pinched under the bracket.



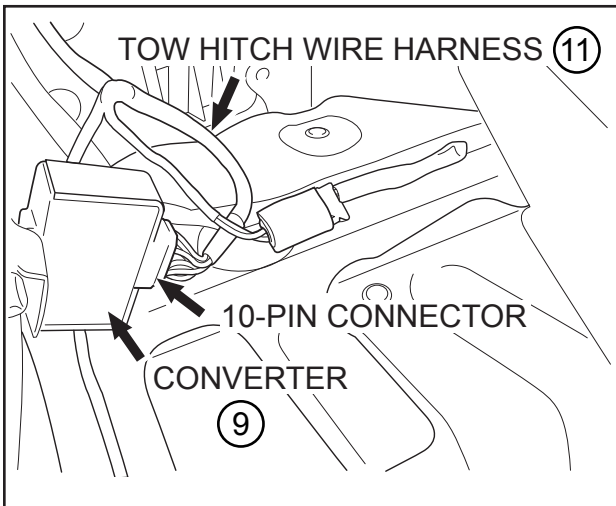
- Secure the tow hitch wire harness ¹¹ to the vehicle wire harness with 4 plastic ties ⁵.



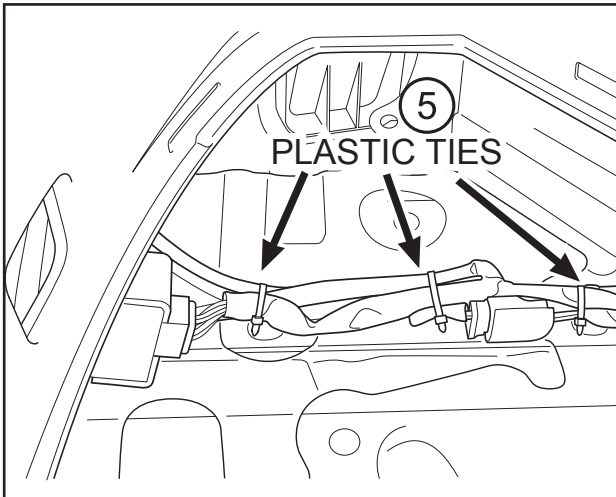
- Remove tape from vehicle 2-pin connector and discard.



- Connect the vehicle 2-pin connector and the tow hitch wire harness ¹¹ connector. Route the 4-pin wire harness below the rear of the converter.

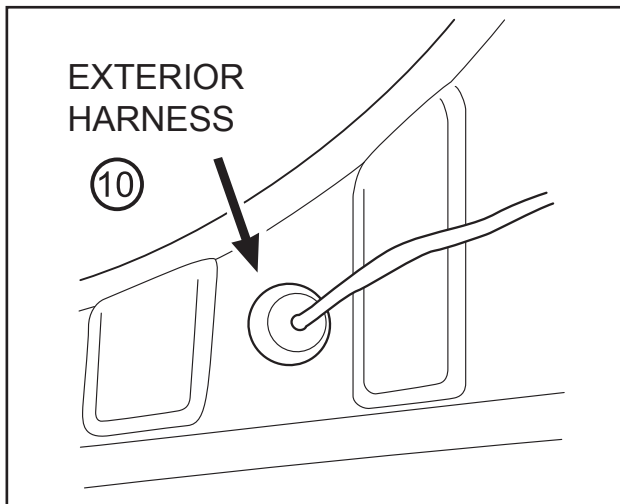


8. Connect the 10-pin connector of the tow hitch wire harness ⑪ to the converter ⑨.



9. Secure the tow hitch wire harness ⑪ 2-pin connector and vehicle wire harness 2-pin connector to the vehicle wire harness using 3 plastic ties ⑤ as shown.

[11] Installation Underside of the Vehicle

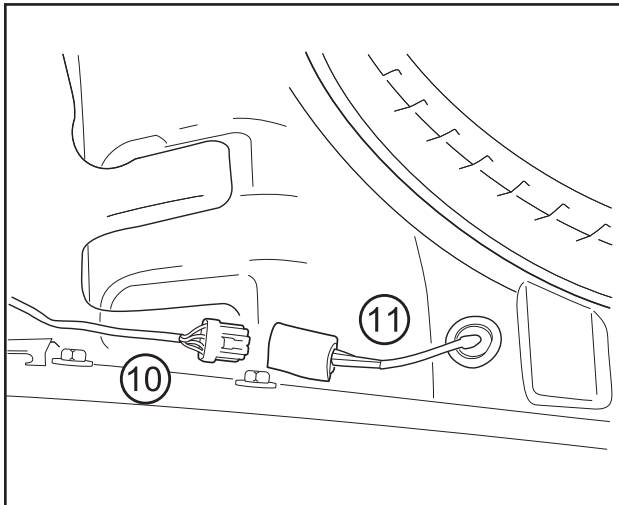


Under vehicle, looking up.

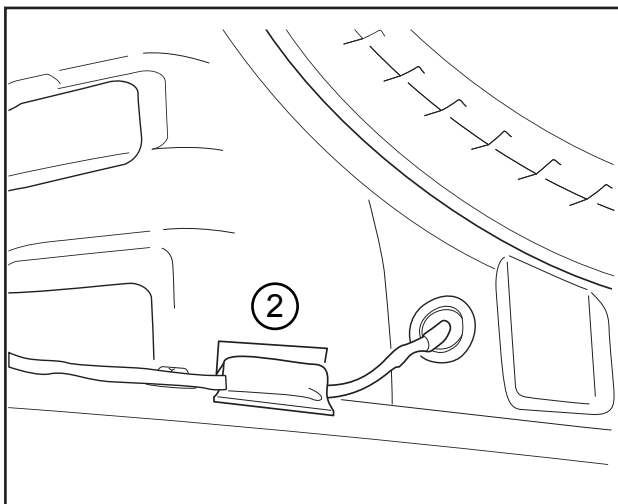
1. Route the 4-pin exterior harness ⑩ connector, from under the vehicle, and install the grommet into the vehicle.

NOTE

- Pass the grommet all the way through the hole and then seat the grommet. Make sure the grommet is completely sealed.



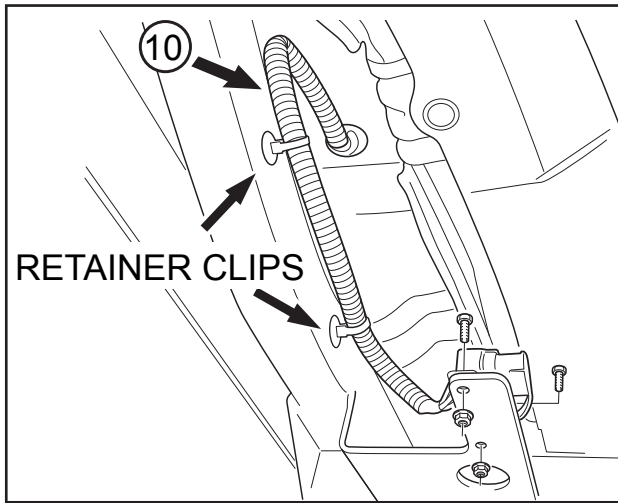
2. Connect the 4-pin exterior harness ⑩ connector with the tow hitch wire harness ⑪ 4-pin connector.



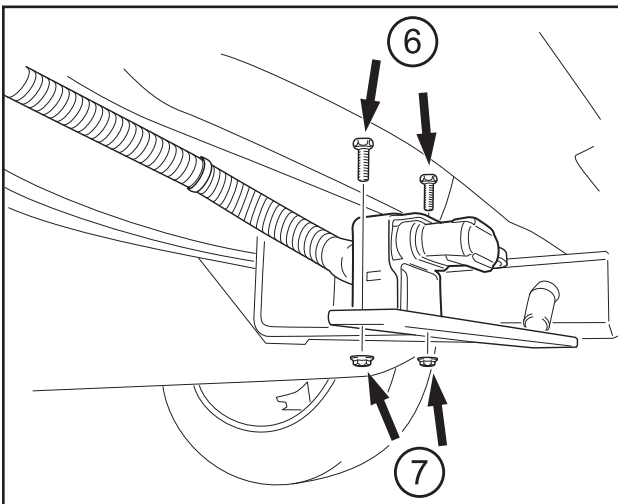
3. Apply packing (foam tape) ② over the tow hitch wire harness to secure it to the body.

NOTE

- Before installing packing (foam tape) ②, clean the surface with isopropyl alcohol. Mix one part isopropyl alcohol to one part water.

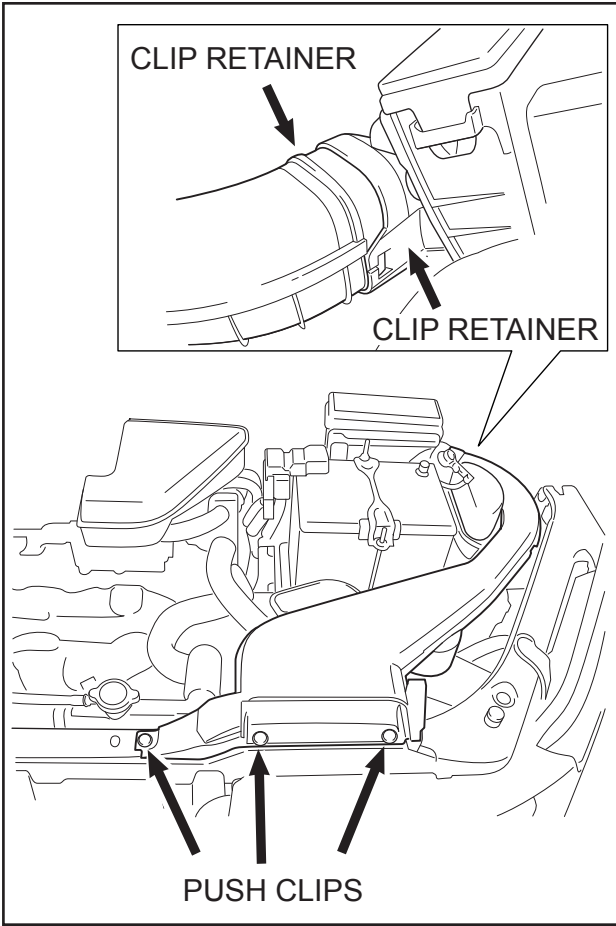


4. Route the exterior harness ⑩ along the hitch member and secure it using the 2 retainer clips.

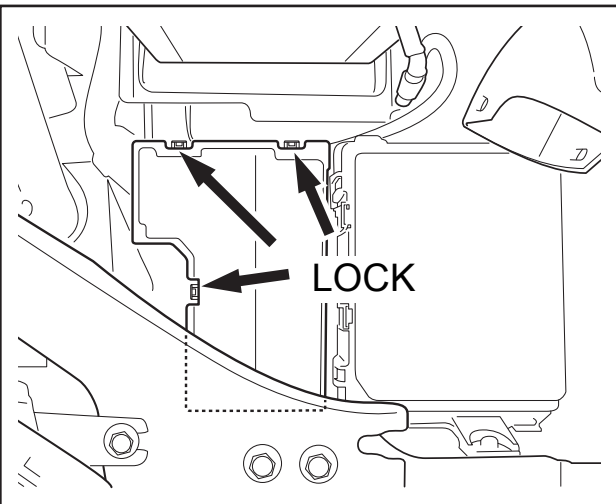


5. Install the flat 4-pin connector on the tow hitch member using 2 bolts ⑥ and nuts ⑦.

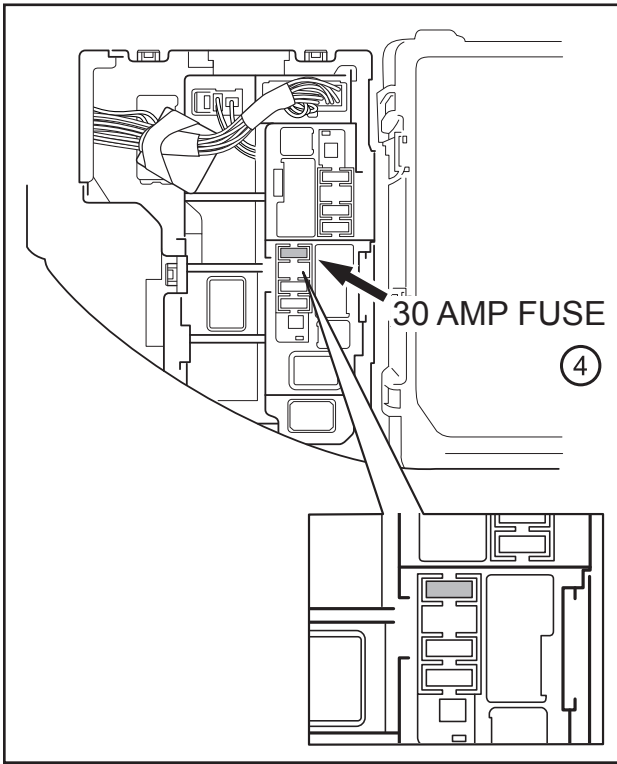
Torque to 3.9 Nm (0.39 Kg·m, 35 in·lb).



6. Remove fresh air inlet duct, located in the engine compartment, by releasing the 3 push clips and unlatching the clip retainers.



7. Remove the fuse box cover located on the driver's side of the vehicle.



8. Insert 30 amp fuse (4) as shown.

[12] Operational Verification

The following checks are to be performed with the ignition switch in "ON" position and the engine stopped.

| Check | Condition |
|---|--|
| <ul style="list-style-type: none"> – Faults in wiring harness installation. – Converter mounting. – Wire harness. – Plastic tie locations. – Removed parts. – Check the battery terminal for tightness with a 10mm socket and the battery cable angle is correct. – Turn on headlamps. – Turn on left turn signal. – Turn on right turn signal. – Apply foot brake. – Turn on left turn signal and apply foot brake. – Turn on right turn signal and apply foot brake. – Turn on hazard light switch. – With hazard light switch on, apply the foot brake. – Turn off the hazard light switch, apply the foot brake. | <ul style="list-style-type: none"> – Correct routing of the wire harness. – Pushing or pulling of the converter by any outside force. – Pinching of the wire harness. – Position of the plastic tie locations. – Scratches or other damages. - Nut should have torque of 4.0 N•m [41 kgf•cm, 36 lbf•in] – Marker and tail lights on both tester and vehicle are lit. – Left turn lights on both tester and vehicle are flashing. – Right turn lights on both tester and vehicle are flashing. – Stop lights on both tester and vehicle are lit. – Left turn lights are flashing and right stop lights are lit on both tester and vehicle. – Right turn lights are flashing and left stop lights are lit on both tester and vehicle. – All turn signal lights are flashing on both tester and vehicle. – Both stop lights on the vehicle are lit, both turn/stop lights on the tester and the turn lights on the vehicle are flashing. – Both turn/stop lights on the tester and the stop lights on the vehicle are lit. |

The following checks are to be performed with the ignition switch in “OFF” position.

| Check | Condition |
|---|--|
| <ul style="list-style-type: none"> – Turn on headlamps. – Apply foot brake. – Turn on left turn signal. – Turn on right turn signal. – Turn on left turn signal and apply foot brake. – Turn on right turn signal and apply foot brake. – With hazard lights switch on, apply the foot brake. – Turn off the hazard light switch, apply foot brake. | <ul style="list-style-type: none"> – Marker and tail lights on both tester and vehicle are lit. – Stop lights on both tester and vehicle are lit. – Left turn lights are not lit on both tester and vehicle. – Right turn lights are not lit on both tester and vehicle. – Both stop lights are lit and not flashing on both tester and vehicle. – Both stop lights are lit and not flashing on both tester and vehicle. – All turn signal lights are flashing on both tester and vehicle. – Both stop lights on the vehicle and the turn/stop lights on the tester are lit, but not flashing. |

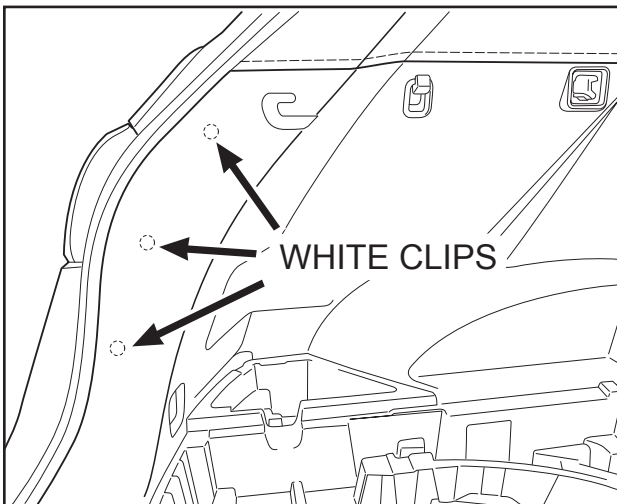
[13] Reinstallation of Components

Reinstall all parts temporarily removed from the vehicle.

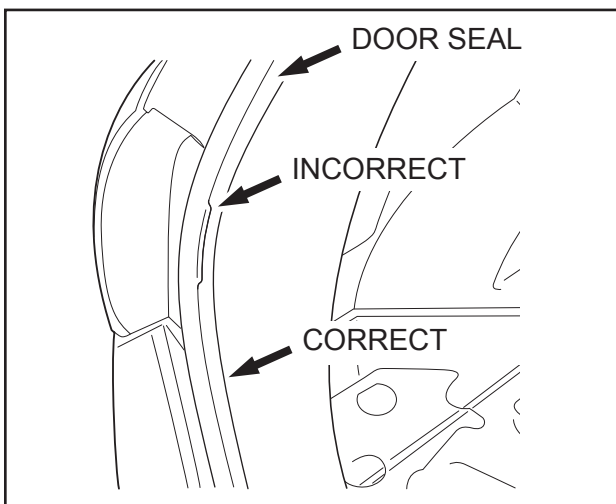
- Fuse box cover
- Fresh air intake
- Driver's side trim panel, cargo net ring and package cover bolt
- Driver's side storage tray and jack holder
- Rear scuff plate and latch cover
- Storage tray
- Driver and passenger storage tray covers
- Spare tire cover
- Package cover (if equipped)

⚠ CAUTION

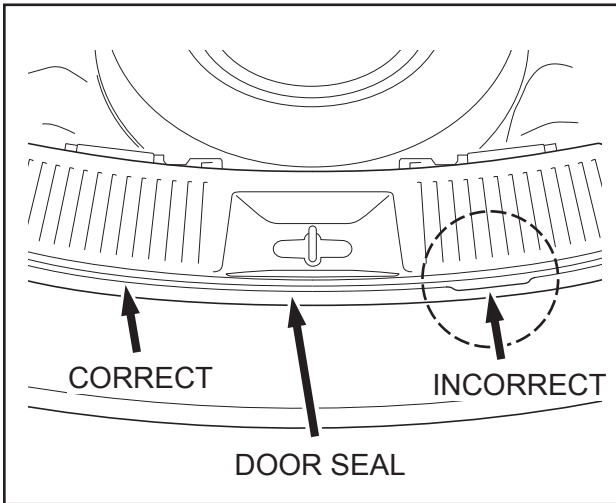
- Confirm that all rubber seals are properly installed on side panels and rear scuff plate.



1. Make sure the 3 white clips are present and properly engaged.



2. Make sure the door seal is reinstalled properly on the driver's side rear door.



3. Make sure the door seal is reinstalled properly on the driver's side rear door.

[14] Troubleshooting

Perform the following sequence procedures if there is any lamp malfunction.

⚠ CAUTION

- Check that the headlamp switch is OFF before removing/replacing the bulbs.

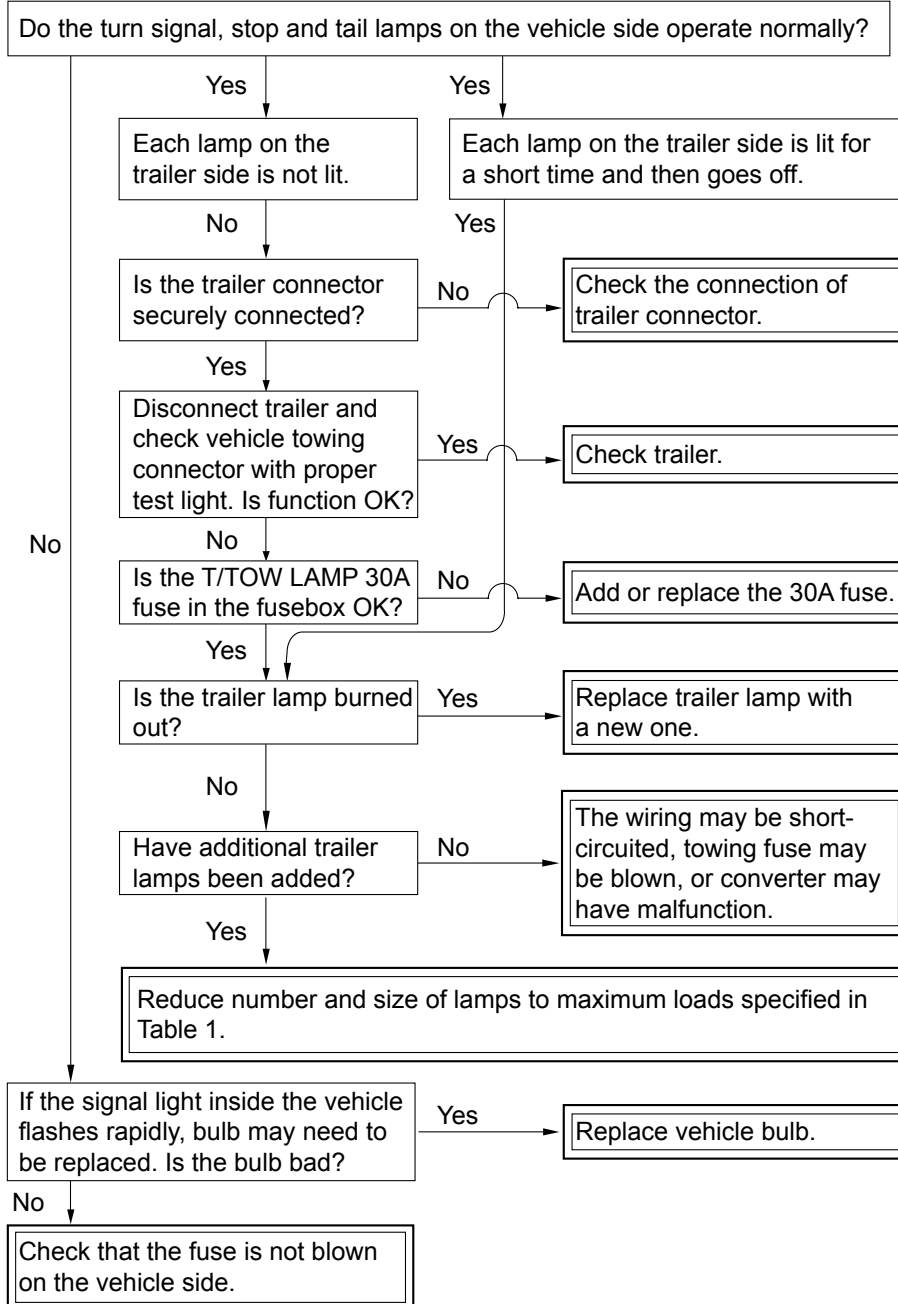
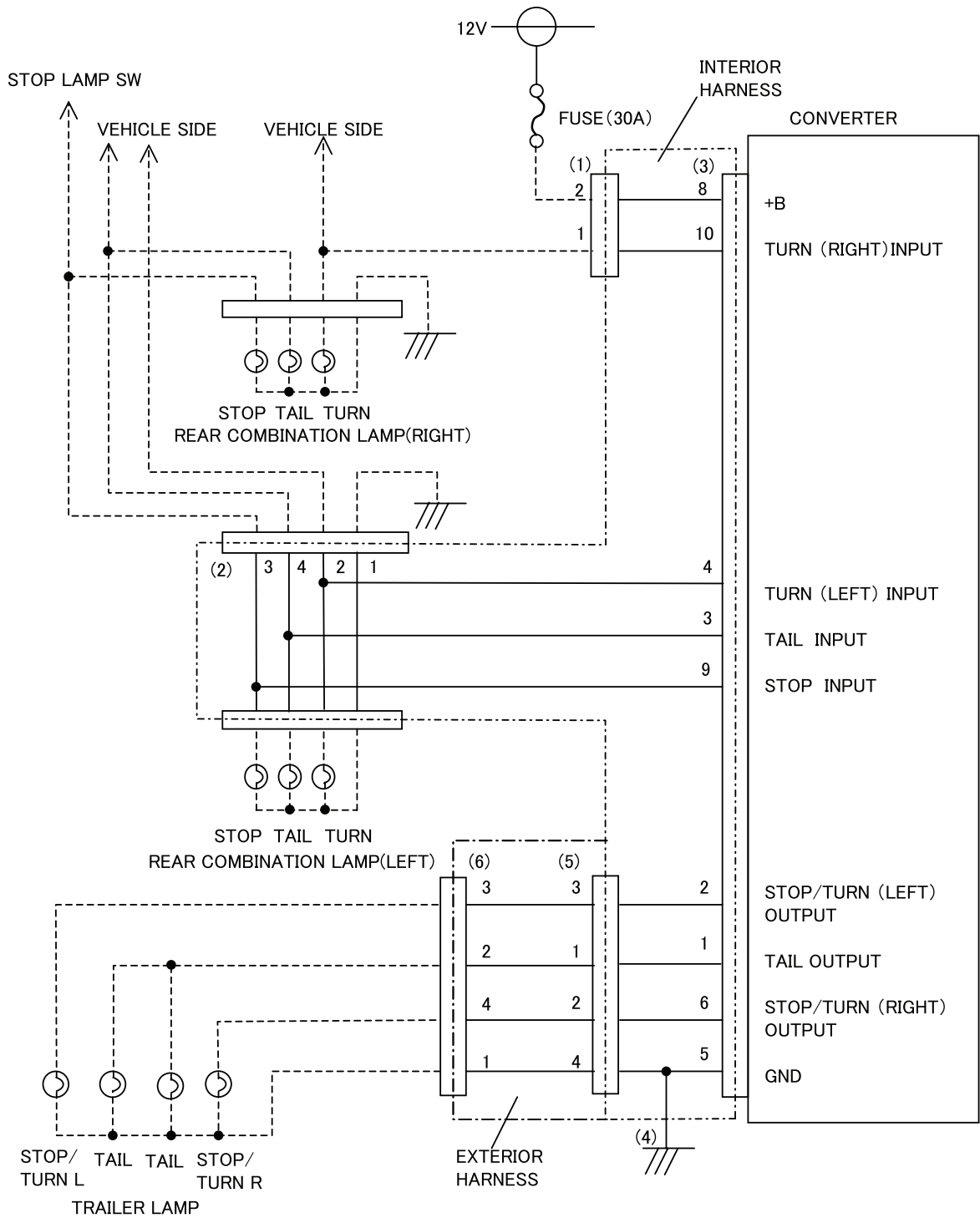


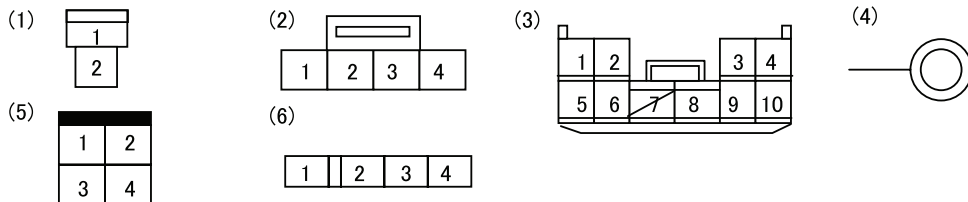
Table 1

| | | |
|------------------------|-------------------|----------|
| Rated Current Capacity | TAIL | MAX 7.8A |
| | STOP/TURN (RIGHT) | MAX 4.5A |
| | STOP/TURN (LEFT) | MAX 4.5A |

[15] Wiring Diagram



CONNECTOR



Notes

