

Preparation**Part Number: PT725-48160****Kit Contents**

Item #	Quantity Reqd.	Description
1	1	Converter
2	1	M6 Bolt
3	1	Fuse (30A)

Hardware Bag Contents

Item #	Quantity Reqd.	Description

Additional Items

(May be required)

Item #	Quantity Reqd.	Description

Vehicle Service Parts

Item #	Quantity Reqd.	Description

General Applicability

RX 350/450h vehicles with tow package

Recommended Sequence of Application

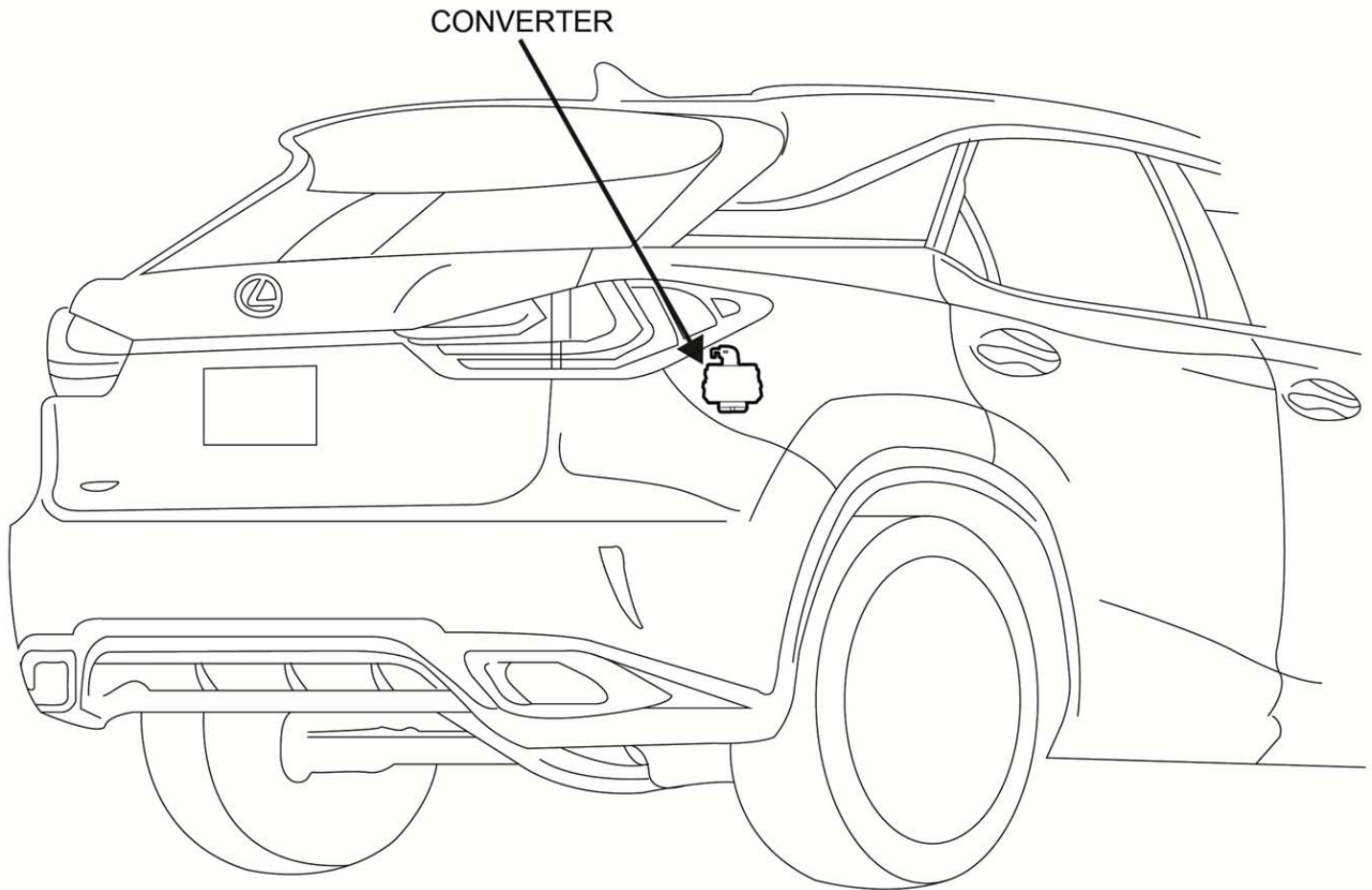
Item #	Description
1	Converter
2	Trailer Hitch

Recommended Tools

Personal & Vehicle Protection	Notes
Safety Glasses	
Seat Protectors	
Special Tools	Notes
Installation Tools	
Torque Wrench	100 lbf·in
Ratchet 3/8" Drive	
10 mm Socket	
12 mm Socket	
Nylon Removal Tool	
Special Chemicals	

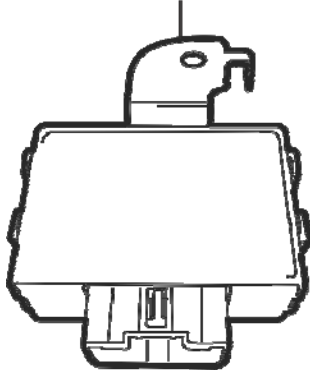
Legend**STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.**CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle.**OPERATOR SAFETY:** Use caution to avoid risk of injury.**TOOLS & EQUIPMENT:** Used in Figures. Calls out the specific tools and equipment recommended for the 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.

Installation Layout

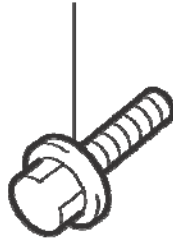


Complete Parts List

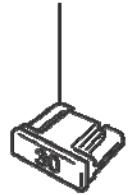
(1) CONVERTER



(2) BOLT (M6)



(3) FUSE (30A)



Accessory Installation Practices (read before installation)

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, checking torque procedure, etc.)
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.)
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.)

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

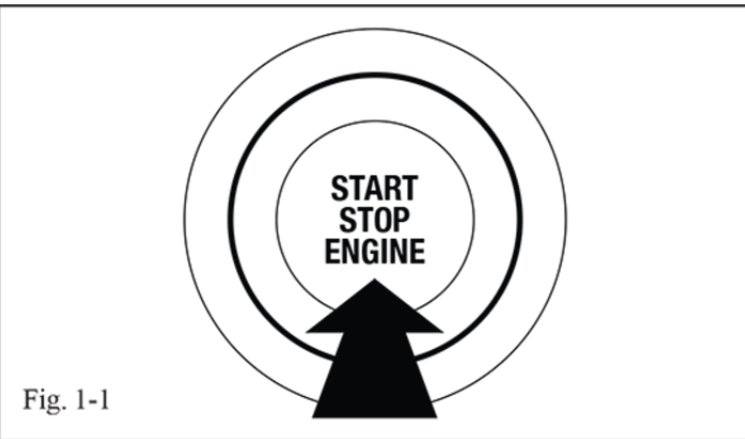


Fig. 1-1

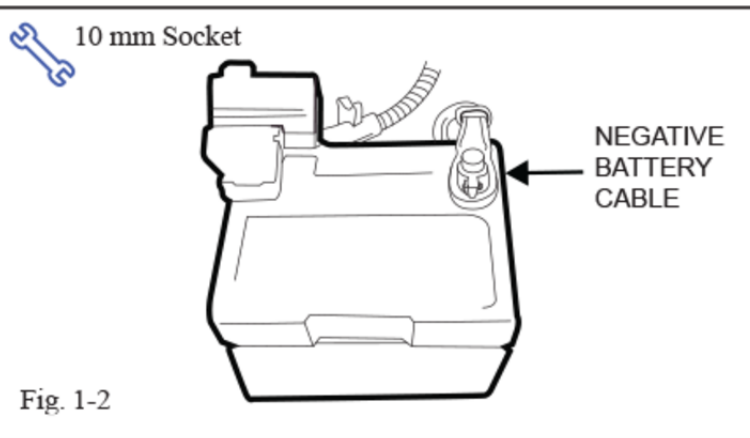


Fig. 1-2



Fig. 1-3

1. Supplemental Restraint System (SRS)

STOP (a) Failure to carry out procedures below could result in possible deployment of airbag, person injury, or unnecessary repairs to SRS.

(b) Check for proper activation of the “ENGINE” switch Power supply changeover. (Fig. 1-1)

(c) Carry the electronic key in the vehicle and apply the parking brake.

(d) Without depressing the brake pedal, press the “ENGINE” switch and change the power supply.

(1) OFF

(2) Press once: ACCESSORY mode. (Fig. 1-1)

(3) Press twice: “IG-ON” mode (Fig. 1-1)

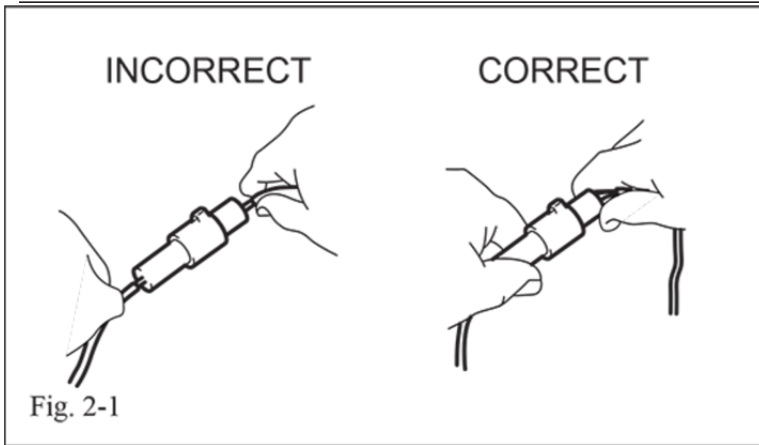
(4) Press three times: OFF (e) In each mode, check that the power supply has changed properly. (Fig. 1-1)

|| (5) Open rear hatch.

STOP (e) Disconnect the negative battery cable. (Fig. 1-2)

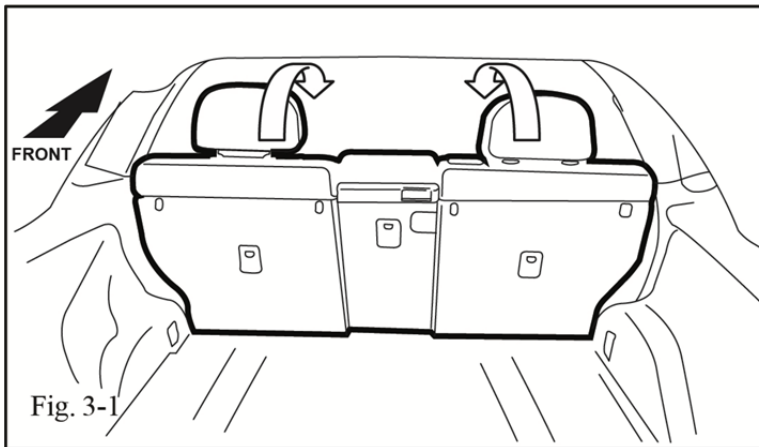
(f) Never use a voltmeter to troubleshoot any of the harnesses or connectors to the SRS. Accidentally probing the connectors to the SRS can lead to deployment of the airbag. (Fig. 1-3)

(g) SRS wire harness loom/cover is bright yellow in color.



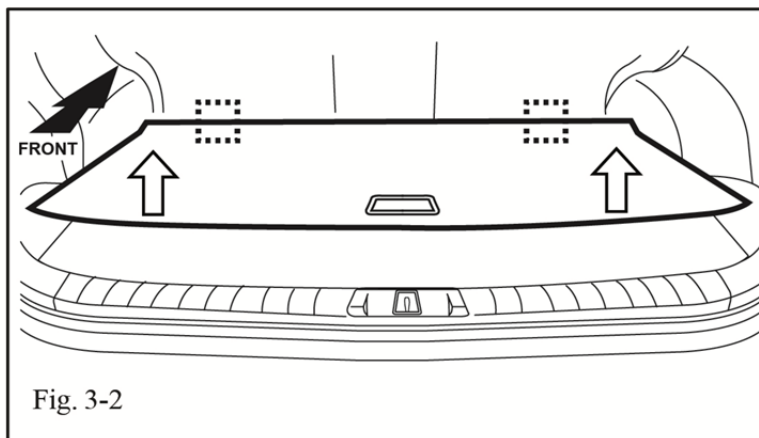
2. Wiring Precautions

- ⚠ (a) DO NOT pull on vehicle wires and/or wire harness. To uncouple electrical connectors, pull only on the connector. (Fig. 2-1)
- ⚠ (b) When installing the trailer wire harness, make sure it is not cut or perforated by any sharp metal objects.

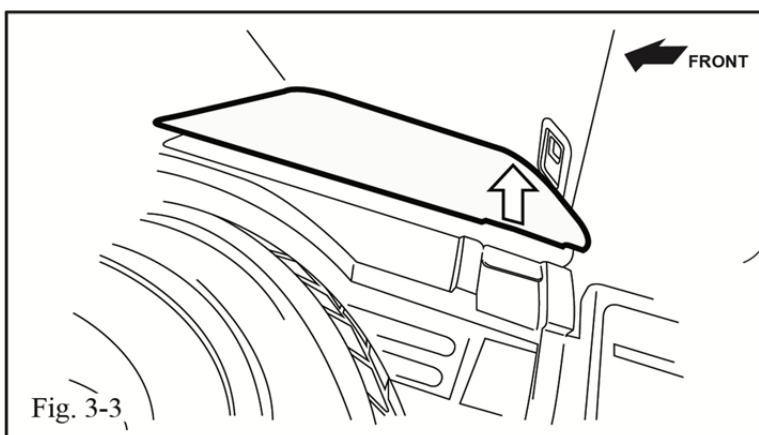


3. Interior

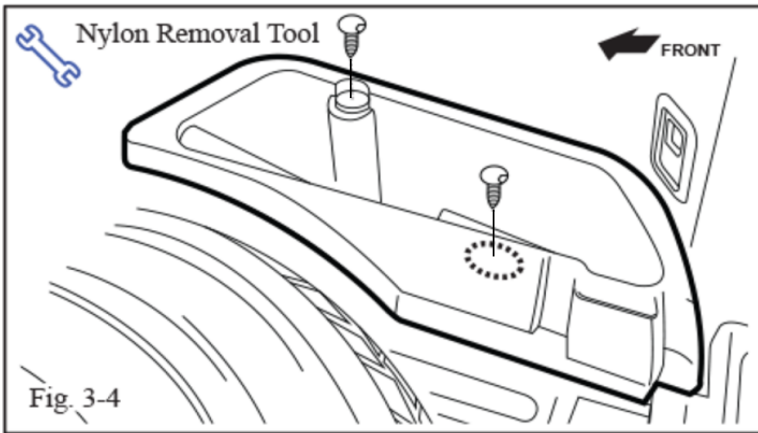
- (a) Remove tonneau cover (if equipped).
- (b) Fold down rear seats. (Fig. 3-1)



- (c) Lift and remove the deck board cover.
 - (1) Slide the deck board forward to disengage hooks. (Fig. 3-2)

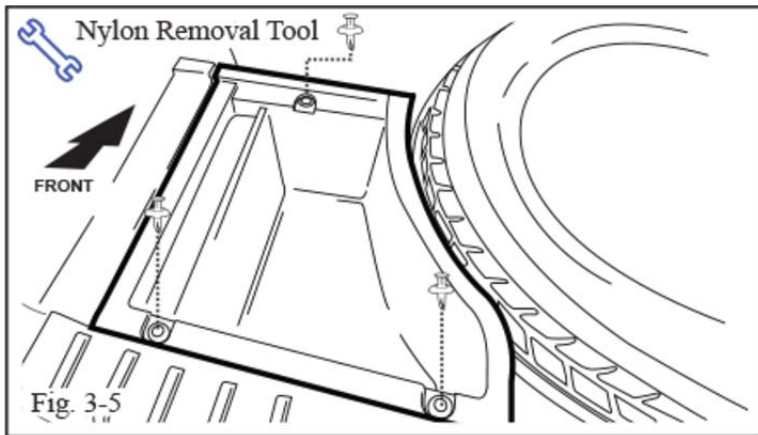


- (d) Remove passenger side storage bin lid. (Fig. 3-3)



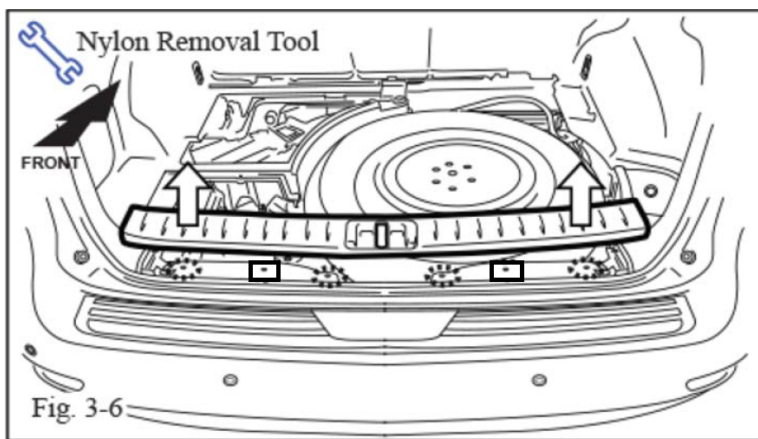
(e) Remove passenger side storage bin.

- || (1) Remove 2 clips with tool
(Fig. 3-4)



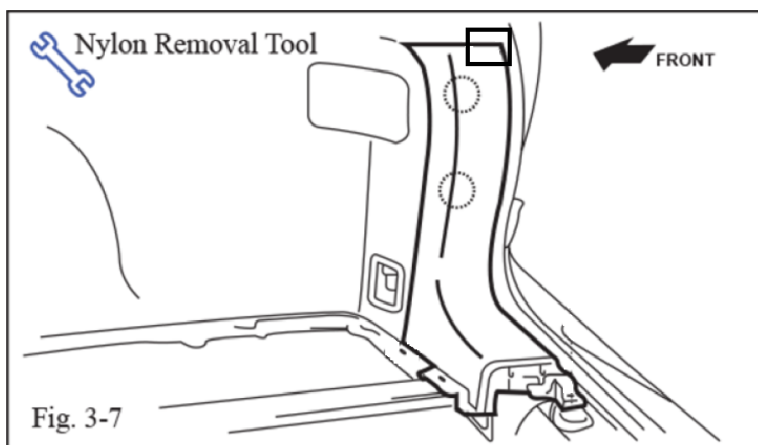
(f) Remove driver's side storage bin.

- (1) Remove 3 retaining clips by pressing down on the center of the clip.
(Fig. 3-5)



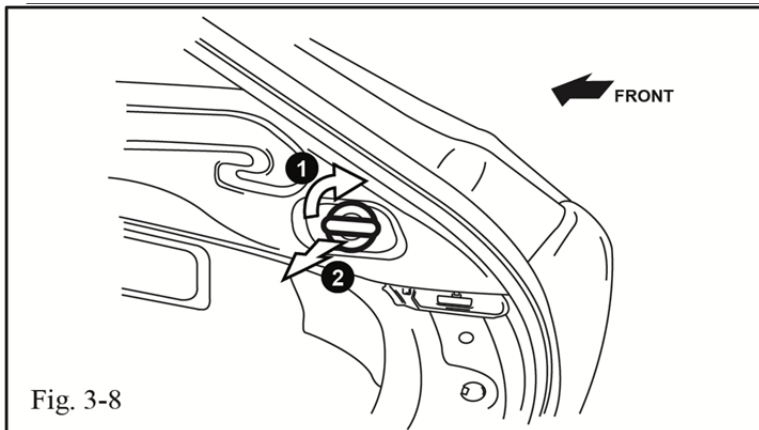
(g) Remove rear floor sill plate.

- (1) Disengage the 2 claws (squares in Fig. 3-6) and 4 clips (dotted circles in Fig. 3-6).



(h) Remove passenger side plate.

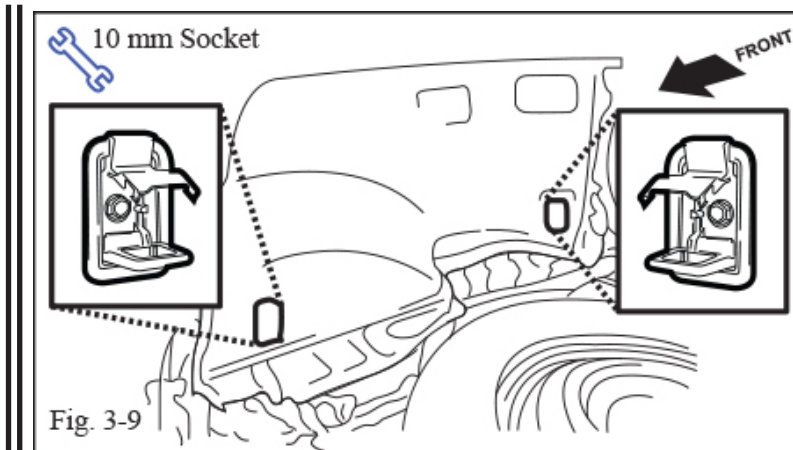
- (1) Disengage the claw (square in Fig. 3-6) and 2 clips (dotted circles in Fig. 3-7).
- (2) Disengage the guide and remove the passenger side plate.



- (i) Remove No. 1 luggage compartment trim hook.

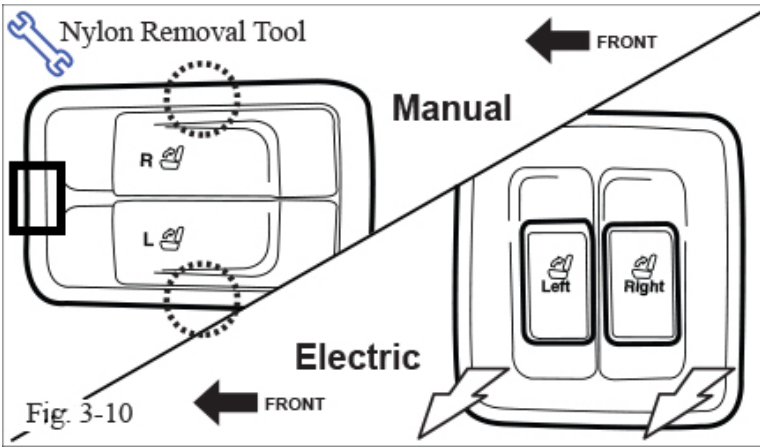
NOTE: Place protective blanket on rear sill area.

- (1) Turn trim hook $\frac{1}{4}$ turn clockwise and remove bolt. (Fig. 3-8)



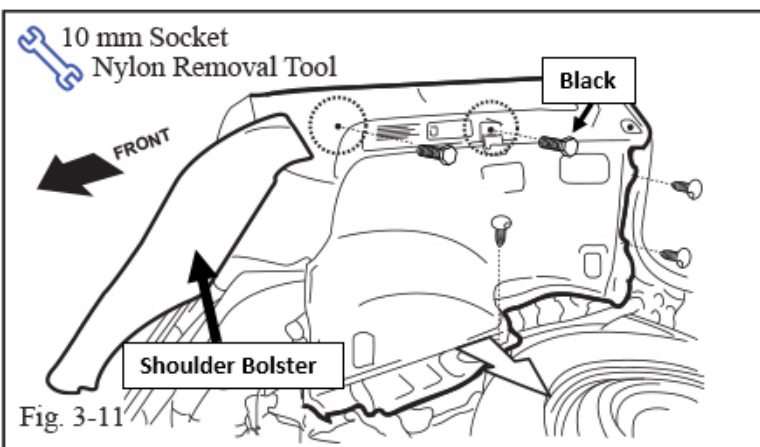
- (j) Remove 2 hook assemblies on the passenger side.

- (1) Release cover to access retaining bolt. (Fig. 3-9)
- (2) Remove 10mm bolt.



(k) Remove cover on reclining remote control bezel.

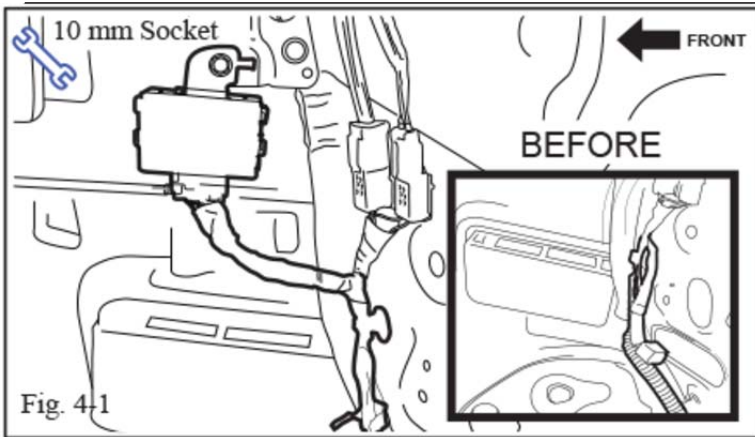
- (1) **Manual:** Pry cover loose gently, starting with lower claw then upper claw (dotted circles in Fig. 3-10), and slide towards rear of vehicle to disengage clip (rectangle in Fig. 3-10).
- (2) **Electric:** Pry cover off gently.



- (l) Ajar the passenger side rear trim panel.
 - (1) Remove shoulder bolster. (Fig. 3-11)
 - (2) Remove 2 bolts, using magnetic socket. (dotted circles in Fig. 3-11)
 - (3) Remove 3 clips.
 - (4) Disengage 5 retainer claws.
 - (5) Disconnect cargo light electrical connector.
 - (6) Ajar passenger side trim panel using service box, as shown in Fig 3.12.




CAUTION: Ajar rear quarter felt without damaging felt. Place service box between felt and rear quarter panel to access converter attachment point.



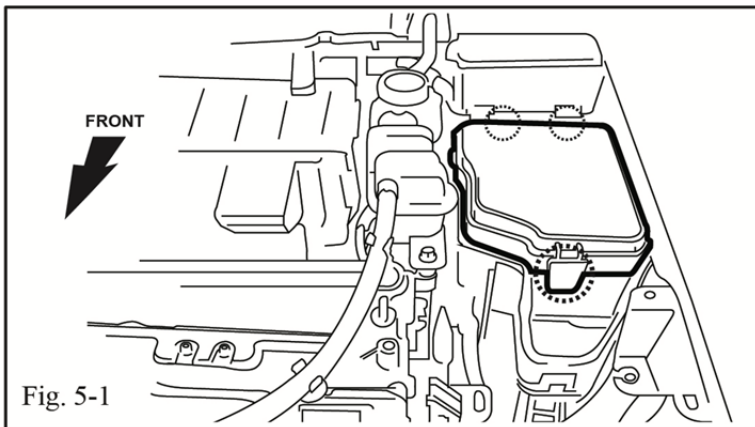
4. Installing the convertor.

(a) Install towing convertor

- (1) Install the towing convertor with the M6 bolt. Torque bolt to 3.9 NM (35 lbf in). (Fig. 4-1)

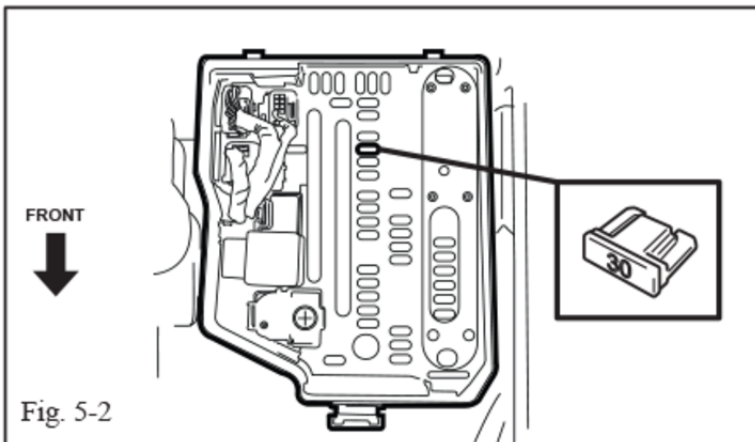
 **Torque: 3.9 N·m (35 lbf·in)**

- (2) Remove break away tape and connect the electrical connector.



5. Installing the fuse.

- (a) Remove the relay box cover in the engine compartment. Relay box location is the same for gas or hybrid vehicles. (Fig. 5-1)

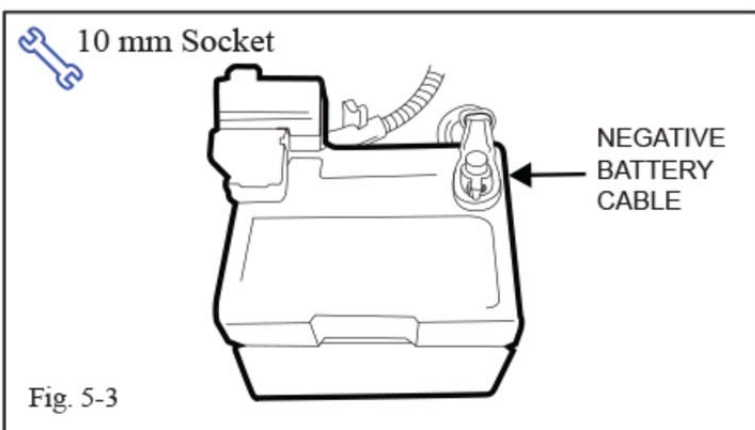


- (b) Install the 30 amp fuse in the location shown, unless already equipped. (Fig. 5-2)


(c) Reinstallation.


- (1) Reconnect all connectors.
- (2) Reinstall all temporarily removed parts.

- (d) Reconnect the vehicle's negative battery cable to original factory orientation. (Fig. 5-3)



- (1) Torque nut to 5.4 N·m (48 lbf·in). (Fig. 5-3)

 **Torque: 5.4 N·m (48 lbf·in)**

-  (2) Be careful not to touch the positive battery cable.


(e) Function check.

- (1) Perform functional verification

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

Accessory Function Checks

Major Action Item

1	Faults in the wiring harness installation.	Correct routing of the wire harness.
2	Converter mounting.	Pushing or pulling of the converter by any outside force.
3	Wire harness.	Pinching of the wire harness.
4	Plastic tie locations.	Positioning of the plastic tie locations.
5	Negative battery cable nut torque.	<p>Nut torque should be: 5.4 N·m (48 lbf·in)</p> <p> Do not touch the positive battery terminal with any tool when replacing the cable.</p>
6	Towing convertor mounting bolt torque.	<p>Bolt torque should be: 3.9 N·m (35 lbf·in)</p>

Vehicle Appearance Check

	After accessory installation and removal of protective cover(s), perform a visual inspection.		<p>Ensure no damage (including scuffs and scratches) was caused during the installation process.</p> <p>(For PPO installations, refer to TMS Accessory Quality Shipping Standard.)</p>
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