

Part Number: PT725-48230

Kit Contents:

Item #	Quantity Req'd.	Description
1	1	Converter
2	1	Hardware Bag

Hardware Bag Contents:

Item #	Quantity Req'd.	Description
1	1	Bolt
2	1	Fuse

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

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Recommended Tools

Personal & Vehicle Protection	Notes
Cut Protection	
Special Tools	Notes
LED Tester	SST 00002-62195
Installation Tools	Notes
10MM Socket	
Nylon Removal Tool	
Torque Wrench	100 lb·in
Special Chemicals	Notes

General Applicability

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Recommended Sequence of Application








Item#	Accessory
1	Trailer hitch
2	Converter

*Mandatory

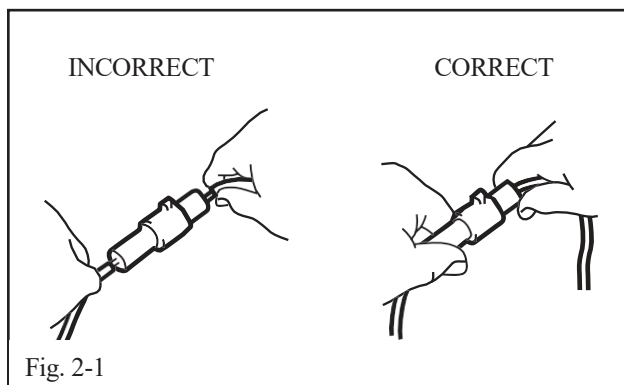
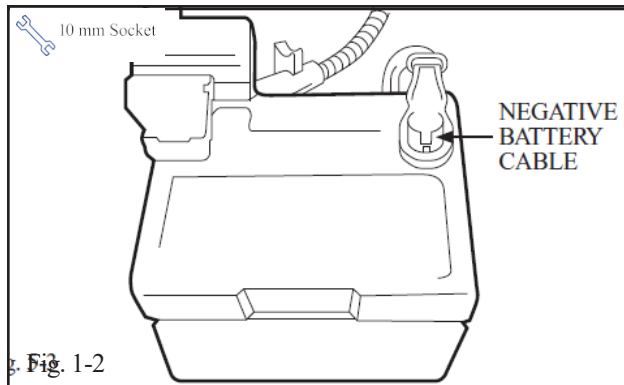
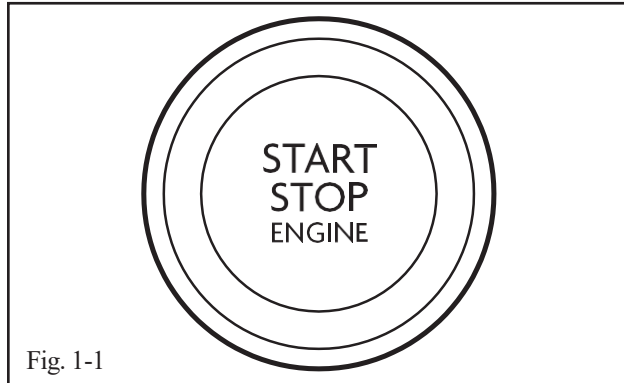
Vehicle Service Parts (may be required for reassembly)

Item#	Quantity Req'd	Description

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.
	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.
	REGULATORY MARK: This mark indicates that component is related to regulatory compliance.

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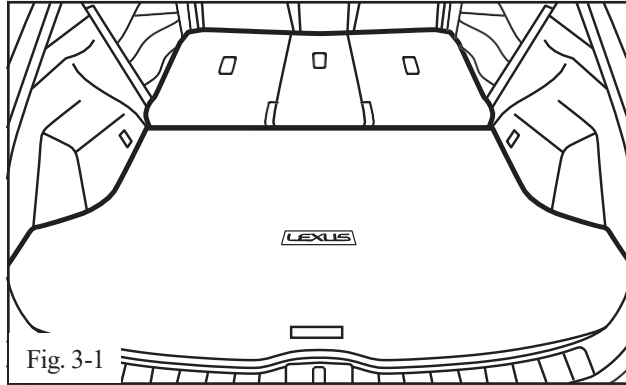
1. Supplemental Restraint System (SRS)

- (a) Failure to carry out procedures listed below could result in possible deployment of airbag, personal injury, or unnecessary repair to SRS.
- (b) Vehicle should be in the ignition off state (Fig. 1-1).
- (c) Remove the smart key from the vehicle.
- (d) Open all doors.
- (e) Open vehicle hood.
- (f) Open the rear hatch.
- (g) Disconnect the negative battery cable (Fig. 1-2).
- (h) 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).
- (i) SRS wire harness loom/cover is bright yellow in color.

2. Wiring Precautions

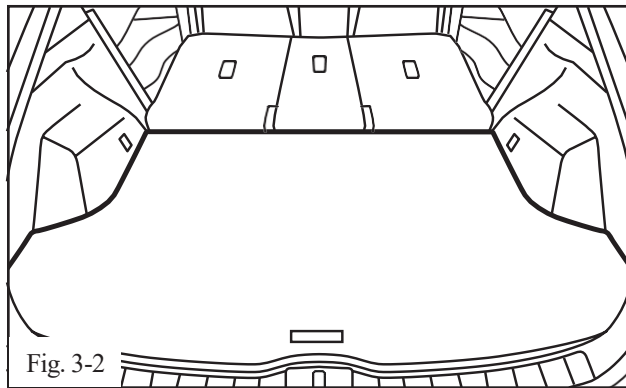
- (a) DO NOT pull on vehicle wires and/or wire harness. To uncouple electrical connectors, pull only on the connector (Fig. 2-1).
- (b) When installing the trailer wire harness, make sure it is not cut or perforated by any sharp metal objects.

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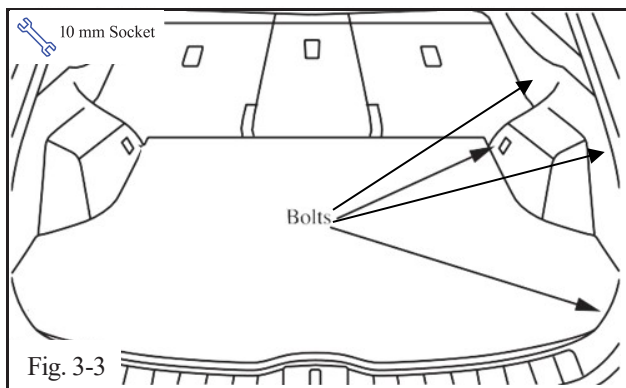


3. Rear Cargo Area

(a) Remove rear cargo floor cover and lower rear passenger seats (Fig. 3-1).



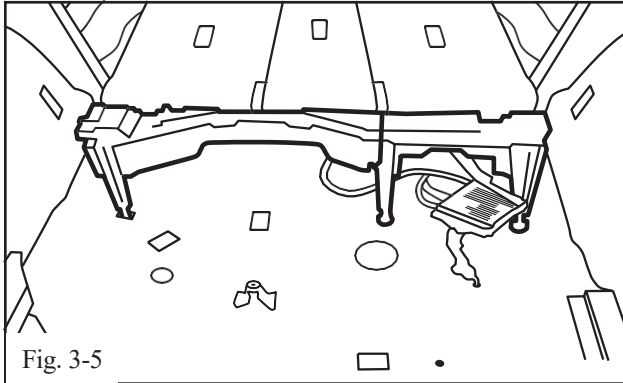
(b) Remove cargo floor (Fig. 3-2).



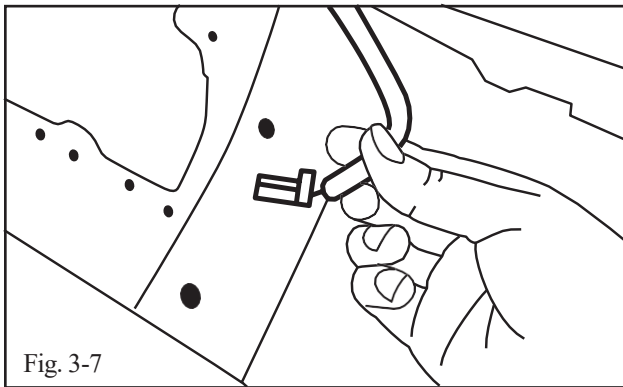
(c) Remove (4) 10mm bolts from left and right panels (Fig 3-3).

(d) Remove all items on right-side of cargo floor area.

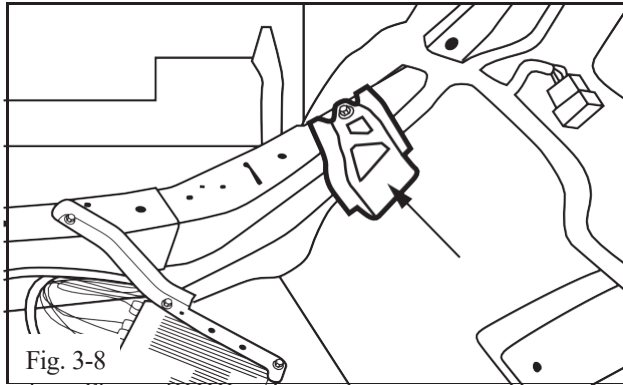
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- (e) Remove interior floor trims to expose the rear floor structural beam (Fig. 3-5).

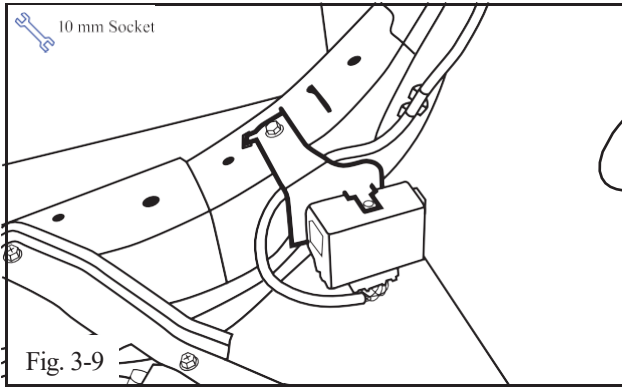


- (f) Remove right cargo-area side panel. Disconnect cargo lamp connector from right side panel (Fig. 3-7).

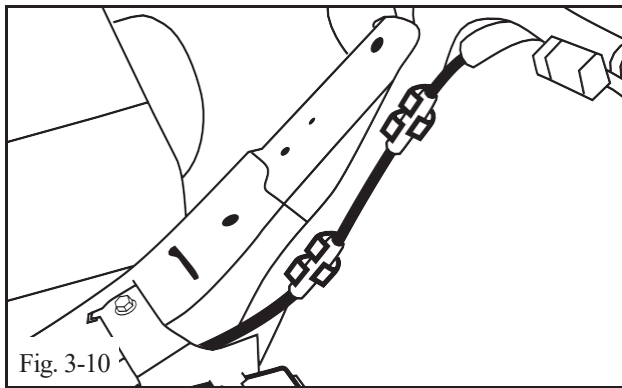


- (g) Remove the interior trim panel bracket (Fig. 3-8).

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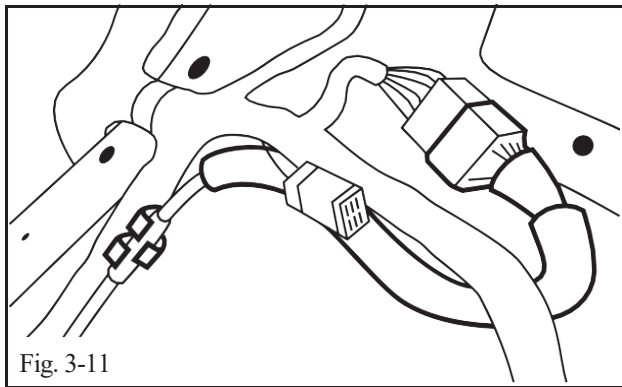


- (i) Attach converter assembly bracket to the anti-rotation tab. Affix bracket with the included bolt (Fig. 3-9).

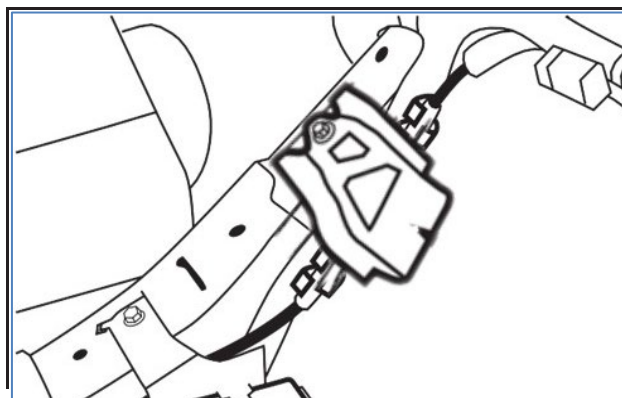


- (j) Route the converter jumper harness along the OE harness. Insert the jumper harness into the 2 clips attached to the OE harness.

Use the 2 white tape locations on the jumper harness to insert into the clips (Fig. 3-10).



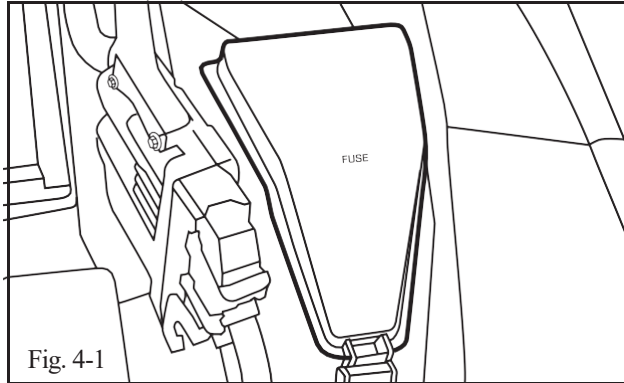
- (k) Route the converter jumper harness underneath the OE harness. Connect jumper harness to connector (Fig. 3-11).



- (l) Reinstall the interior trim panel bracket (Fig. 3-12).

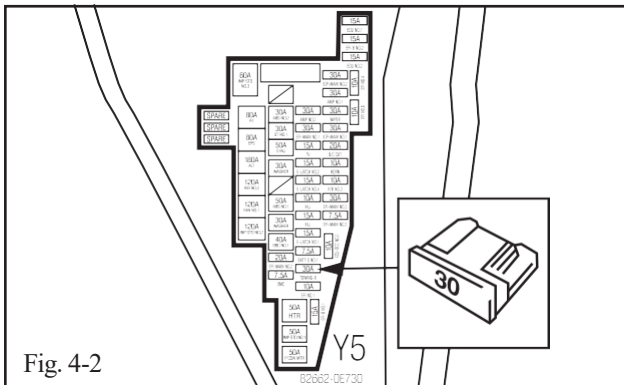
⚠ Confirm converter harness is routed correctly and not pinched under bracket.

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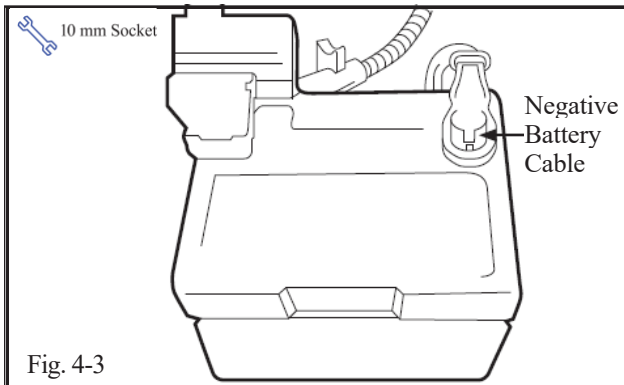


4. Engine Bay

- (a) Locate the fuse box on the driver side engine compartment (Fig. 4-1).



- (b) Fuse Map is on underside of fuse box cover. Via the diagram, identify 30A TOWING-B to find the fuse insertion location. Insert included fuse (if fuse not already inserted) to this location (Fig. 4-2).



- (c) Reconnect the vehicle's negative battery cable to original factory orientation (Fig 4-3).


⚠ Torque: 5.4 Nm (48 lbf in)

+ Do not touch the positive battery terminal with any tool when replacing the cable.



5. Reinstallation

- (a) Perform function check first.
- (b) Reinstall all temporarily removed panels and parts.
- (c) Ensure all bolts are reinstalled to their respective torque specifications.


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.	Nut torque should be: 5.4 N•m (48 lbf-in)  Do not touch the positive battery terminal with any tool when replacing the cable.
6	Converter bracket mounting bolt torque.	Nut torque should be: 5.4 N•m (48 lbf-in)
7	Fuel door manual release cable.	Confirm cable is reinstalled correctly

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

Check:	Look For:
<p>Connect the Special Service Tool (SST) (Part Number 00002-62195) to the trailer sub-wire harness plug.</p> <p>Perform the following steps with the engine running.</p> <p> CAUTION: Be sure the vehicle is in “Park” and that the parking brake is applied.</p> <p> CAUTION: Be sure the exhaust gas is completely ventilated.</p>	
<p><input type="checkbox"/> Turn on headlamps.</p>	<p>Marker and tail lights on both SST and vehicle are lit.</p>
<p><input type="checkbox"/> Turn on left turn signal.</p>	<p>Left turn lights on both SST and vehicle are flashing.</p>
<p><input type="checkbox"/> Turn on right turn signal.</p>	<p>Right turn lights on both SST and vehicle are flashing.</p>
<p><input type="checkbox"/> Apply foot brake.</p>	<p>Stop lights on both SST and vehicle are lit.</p>
<p><input type="checkbox"/> Turn on left turn signal and apply foot brake.</p>	<p>Left turn lights are flashing and right stop lights are lit on both SST and vehicle.</p>
<p><input type="checkbox"/> Turn on right turn signal and apply foot brake.</p>	<p>Right turn lights are flashing and left stop lights are lit on both SST and vehicle.</p>
<p><input type="checkbox"/> With hazard lights switch on, apply foot brake.</p>	<p>All turn signal lights are flashing on both SST and vehicle.</p>

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

PPO	LY
<p>Check: _____</p> <p><input type="checkbox"/> Turn off the hazard light switch, apply foot brake.</p>	<p>Look For: _____</p> <p>Both turn/stop lights on the SST and the stop lights on the vehicle are lit.</p>
<p>PPO LY</p>	
<p>Install the short pin, then perform the following checks with the ignition switch off and the engine stopped.</p> <p> CAUTION: Do not start the engine.</p>	
<p><input type="checkbox"/> Turn on headlamps.</p>	<p>Marker and tail lights on both SST and vehicle are lit.</p>
<p><input type="checkbox"/> Turn on left turn signal.</p>	<p>Left turn lights are not lit on both SST and vehicle.</p>
<p><input type="checkbox"/> Turn on right turn signal.</p>	<p>Right turn lights are not lit on both SST and vehicle.</p>
<p><input type="checkbox"/> Turn on left turn signal and apply foot brake.</p>	<p>Both stop lights are lit and not flashing on both SST and vehicle.</p>
<p><input type="checkbox"/> Turn on right turn signal and apply foot brake.</p>	<p>Both stop lights are lit and not flashing on both SST and vehicle.</p>
<p><input type="checkbox"/> Apply foot brake.</p>	<p>Both stop lights on the vehicle and the turn/stop lights on the SST are lit, but not flashing.</p>
<p><input type="checkbox"/> With hazard lights switch on, apply foot brake.</p>	<p>All turn signal lights are flashing on both SST and vehicle.</p>
<p>Vehicle Appearance Check</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> <p>(For PPO installations, refer to TMNA Accessory Quality Shipping Standard.)</p>