

ATTN: Service Manager

Please apply this procedure and supplied parts to the VIN indicated below. This procedure must be applied prior to retail delivery of this vehicle. The labor operation code is also attached. MMNA will issue a part return request for the harness which is removed. If you should have any problem or questions about this procedure please call TECHLINE for support

Thank you for your support

<b>MITSUBISHI MOTORS GENUINE PARTS</b>	
<b>OUTLANDER / OUTLANDER PHEV PARK ASSISTANCE SYSTEM INSTALLATION INSTRUCTIONS</b>	
<b>VIN</b>	
<b>Use LBOP 54853690</b>	<b>0.6H</b>

● **COMPONENTS** (Make sure that all of the following components were included in the kit.)

**<REAR SENSOR>**

⑬ Rear sensor harness: 1pc



⑬ Harness band



⑬ Urethane tape



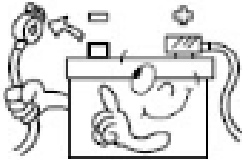
● **PRECAUTIONS**

- Make sure to refer to statements in a circular box (○) in the installation instructions as they highlight particularly important points.
- Disconnect the negative terminal cable from the battery before installation. (The engine switch and the lighting switch have to be turned off whenever the negative terminal cable is connected to/disconnected from the battery.) Because disconnecting the negative terminal cable from the battery will result in loss of the memory of such devices as the radio and the audio, back up the memory before disconnecting the cable and restore it when installation work completes. (For the memory restoring procedure, refer to the owner's manual.)
- Take special care not to damage the vehicle during installation.
- Fix harnesses with vinyl tape or cable ties at locations where they may contact other vehicle parts in order to protect them from damage and dangling.
- When cutting cable ties short, pay attention to the following points in order not to get injured by cut edges:
  - (1) Cut off the excess cable tie as close to the head as possible and avoid acute cutting angle.
  - (2) Cut a cable tie in a way the cut edge points downward.
- Tighten each bolt/nut securely. Retighten them if they loosen after test driving.
- Make sure to connect harnesses securely.

## Installation Precautions

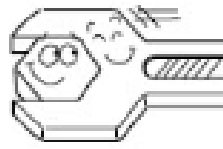
### Before installation

- Be sure to disconnect the negative terminal cable from the battery.



### When installation or removing parts

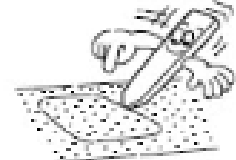
- Loosen or tighten bolts and nuts using tools that match their sizes.



- Use a Phillips screwdriver that fits the recess in the head of the screw being.

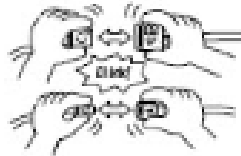


- To remove plastic parts, use a trim remover.

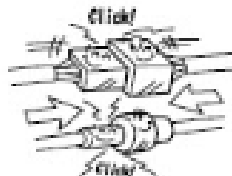


### Wiring

- When disconnecting connectors, first unlock them, then separate the connectors by pulling on themselves, not on cables.



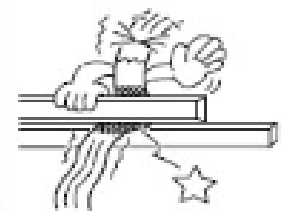
- When connecting connectors, push them against each other until the lock clicks.



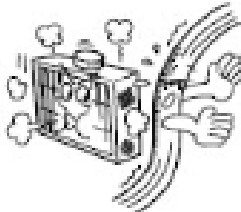
- Do not pull on wiring harnesses strongly.



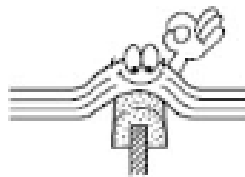
- Do not let harnesses be pinched between parts.



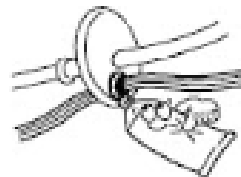
- Route the harness away from hot components such as the engine and radiator.



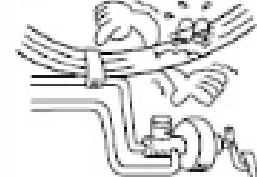
- Protect the harness from sharp edges by covering the edges with tape or other suitable materials.



- Apply sealant to grommets at portions where the harness run through.



- Do not fasten the harness to brake pipes or high pressure air conditioner pipes.

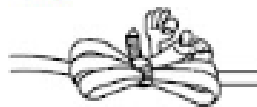


### Clamping harness

- Fasten the additional harness to an existing vehicle harness using tape or tie wraps.



- Bind up extra length of the harness using a tie wrap.

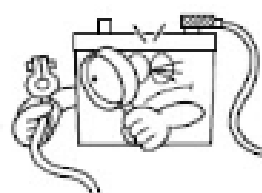


- If one tie wrap is too short, use two connected together.



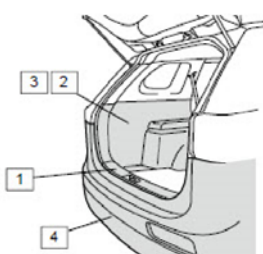
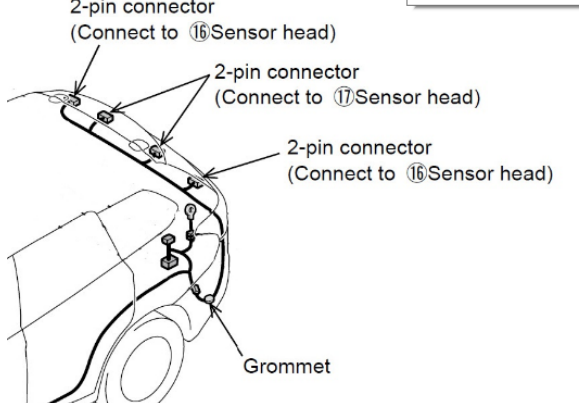
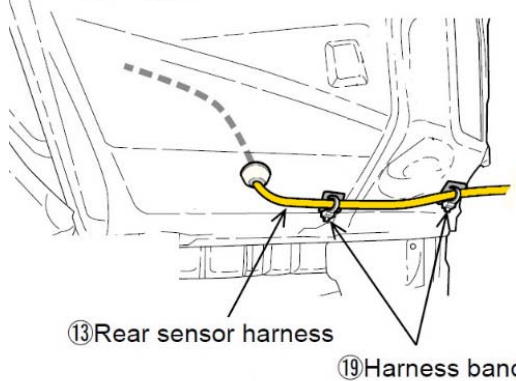
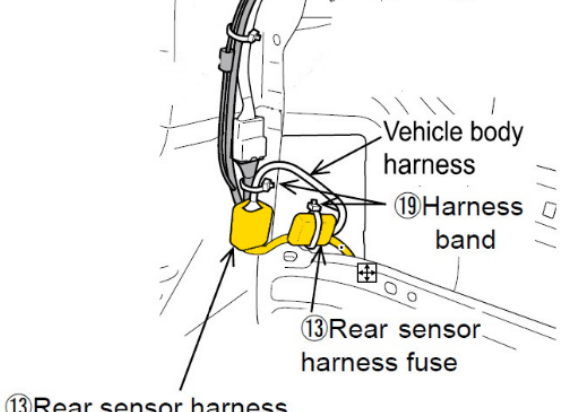
### After installation

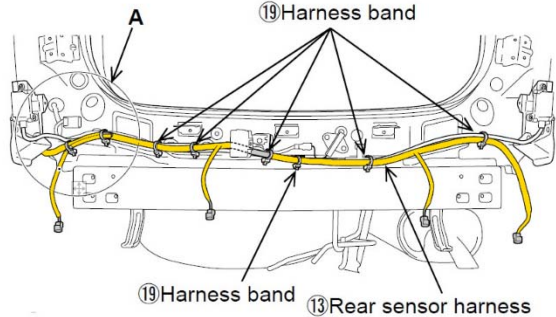
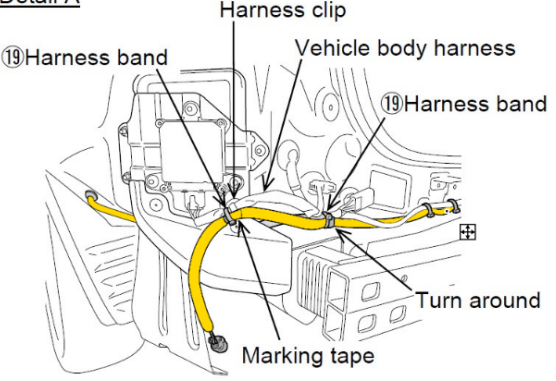
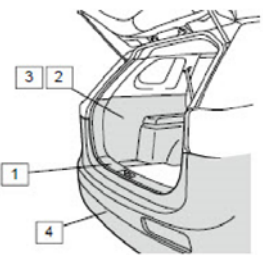
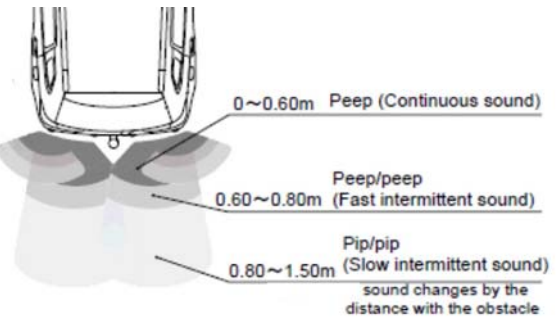
- Check the product and wiring for installed condition before connecting the cable to the battery.



- Check the installed product for function. Also check lamps, horn, wipers, etc. for proper operation.



Step	Description	Illustration
1	<ul style="list-style-type: none"> <li>Disassemble rear fascia and driver side quarter trim lower per shop manual</li> </ul>	 <p>1 Rear end trim 2 Cargo hook assembly LH 3 Quarter trim lower LH 4 Rear bumper assembly</p>
2	<ul style="list-style-type: none"> <li>Remove old rear sensor harness and grommet starting at the passenger side</li> </ul>	 <p>2-pin connector (Connect to 16 Sensor head) 2-pin connector (Connect to 17 Sensor head) 2-pin connector (Connect to 16 Sensor head) Grommet</p> <p>Chrome</p>
3	<ul style="list-style-type: none"> <li>Install the new rear sensor harness and grommet into the body behind the driver's side blind spot module</li> </ul> <p>CAUTION – be sure to route the harness BEHIND the blind spot warning sensor module</p>	 <p>13 Rear sensor harness 19 Harness band</p>
4	<ul style="list-style-type: none"> <li>Connect the new rear sensor harness to the vehicle body harness and apply (2) pieces of foam and harness bands as shown.</li> </ul>	 <p>Vehicle body harness 19 Harness band 13 Rear sensor harness fuse 13 Rear sensor harness</p>

<p>5</p> <ul style="list-style-type: none"> <li>Route the harness as shown and install (8) harness bands</li> </ul> <p>CAUTION – see detail illustration “A” below for routing near the blind spot warning sensor</p>	 <p>⑰Harness band ⑰Harness band ⑬Rear sensor harness</p>								
<p>6</p> <ul style="list-style-type: none"> <li>Make sure the new sensor harness is routed behind the blind spot sensor module as shown</li> <li>Fold the left hand sensor branch back along the harness from the point marked “turn around”</li> <li>Install harness bands at the turn around point and where the blind spot harness is clipped to the body.</li> </ul>	<p>Detail A</p>  <p>Harness clip ⑰Harness band Vehicle body harness ⑰Harness band Turn around Marking tape</p>								
<p>7</p> <ul style="list-style-type: none"> <li>Reassemble the components removed</li> <li>Make sure each of the (4) sensor harness connectors are firmly attached to their sensor</li> <li>Make sure the body harness connector for the backup lamps is firmly connected</li> </ul>	 <table border="1" data-bbox="1198 1035 1409 1119"> <tr> <td>1</td> <td>Rear end trim</td> </tr> <tr> <td>2</td> <td>Cargo hook assembly LH</td> </tr> <tr> <td>3</td> <td>Quarter trim lower LH</td> </tr> <tr> <td>4</td> <td>Rear bumper assembly</td> </tr> </table>	1	Rear end trim	2	Cargo hook assembly LH	3	Quarter trim lower LH	4	Rear bumper assembly
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<p>8</p> <ul style="list-style-type: none"> <li>Function test the rear park assist system with the key in the “ON” position and engine “OFF” place the vehicle transmission selector to “R”</li> <li>Using a piece of cardboard held vertically slowly move it closer to each sensor from @ 4’. The tones should begin a slow beep then faster and finally solid tone</li> <li>Also confirm that the backup lamps are on.</li> </ul>	 <p>0~0.60m Peep (Continuous sound)</p> <p>Peep/peep 0.60~0.80m (Fast intermittent sound)</p> <p>Pip/pip 0.80~1.50m (Slow intermittent sound) sound changes by the distance with the obstacle</p>								