Rear Bumper Step Package Installation (Instruction ID: 86316422 ZR2 / AT4X)

Installation Instructions Part Number

86316422

Kit Contents

Qty	Description
1	Pad-Rear Bumper Fascia Step (P/N 84939185)
1	Pad-Rear Bumper Fascia Step (P/N 84939186)
1	Bracket-Rear Bumper Impact Bar (P/N 84939173)
1	Bracket-Rear Bumper Impact Bar (P/N 84939174)
1	Pad-Rear Bumper Fascia Step (P/N 87854120)
1	Pad-Rear Bumper Fascia Step (P/N 87854121)
1	Bracket-Rear Bumper Impact Bar (P/N 87854122)
1	Bracket-Rear Bumper Impact Bar (P/N 87854123)
6	Bolt (P/N 11601916)
4	Bolt (P/N 11548270)
4	U-Nut (Large) (P/N 11548578)
10	U-Nut (Small) (P/N 11548585)
10	Nut-Push Pin (P/N 11610524)
8	Nut-Push Pin (P/N 11547582)
2	Screw-With Wide Washer (P/N 11570498)
1	Installation Instructions

Note: • Carefully read and understand instructions and components completely before beginning installation.

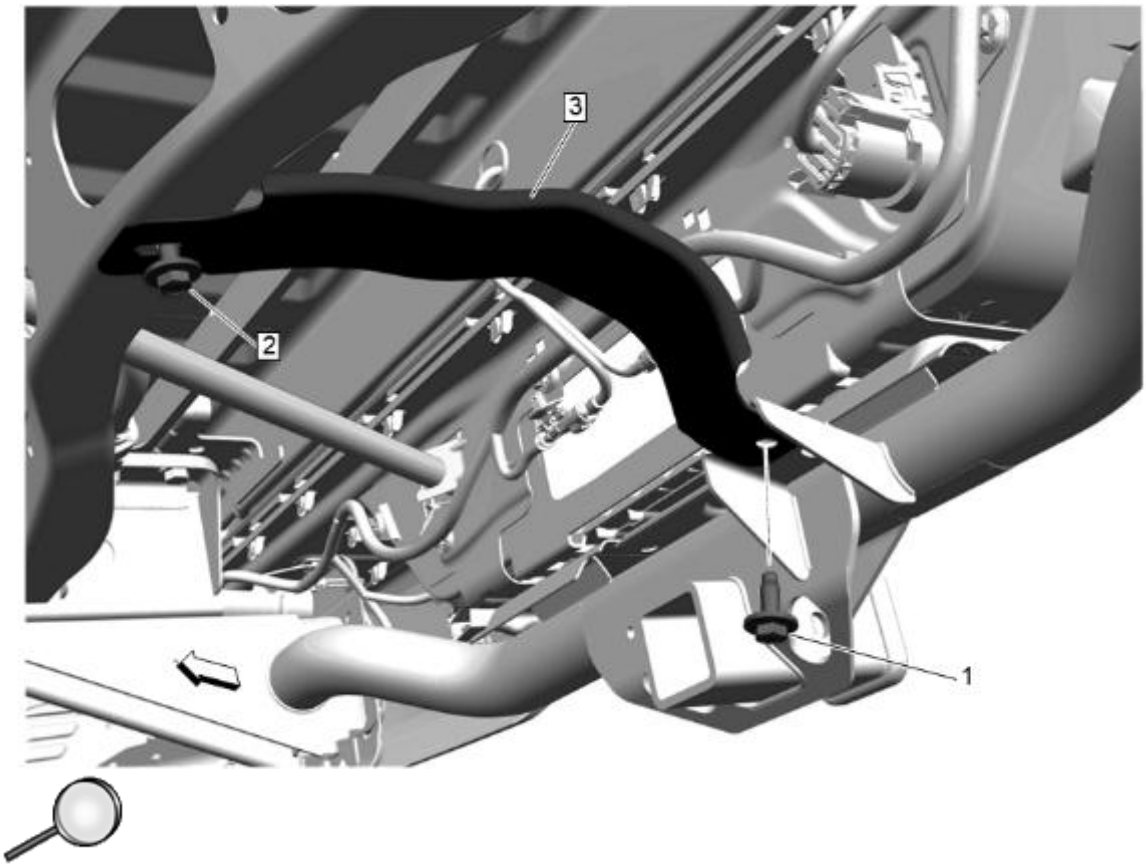
Procedure

Warning:

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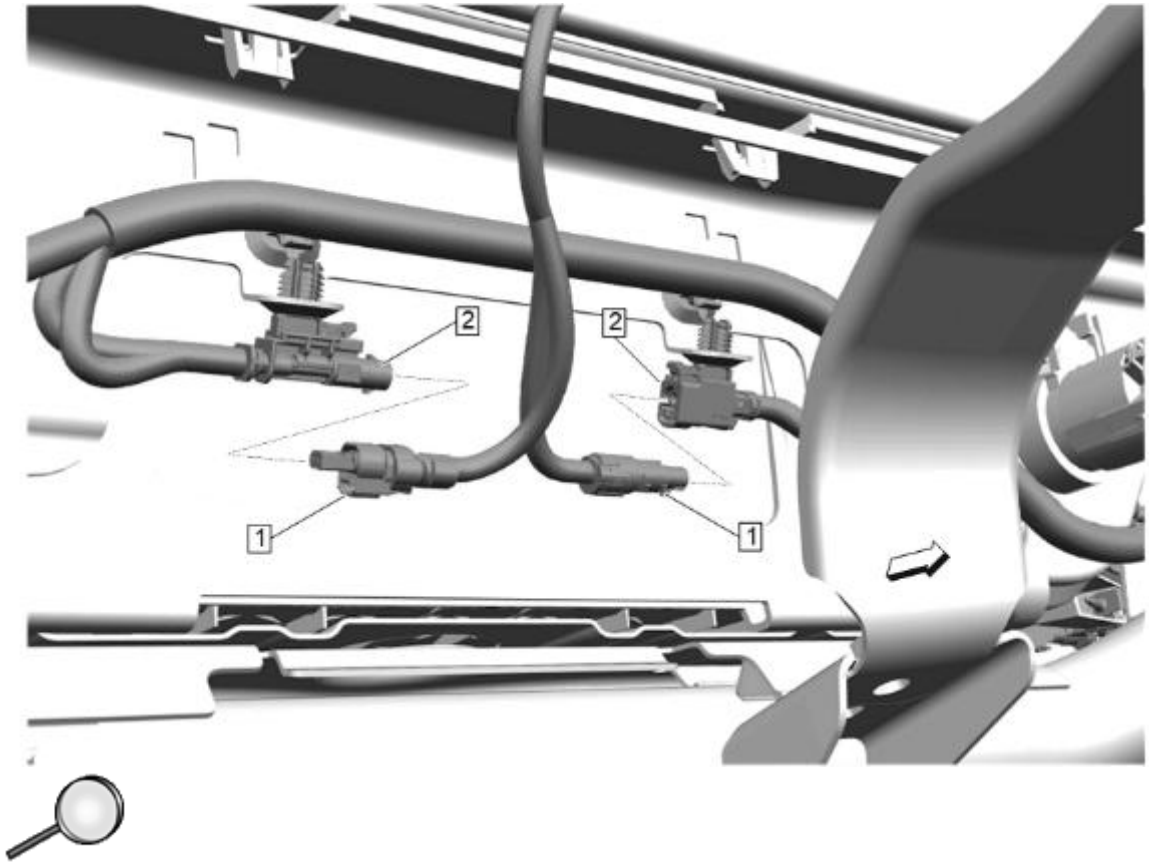
- Wear Safety glasses in order to avoid eye damage.
- In order to avoid being burned, do not service the vehicle while the exhaust system is still hot. Service the vehicle when the exhaust system is cool.

1. Raise and suitably support the vehicle. Refer to Lifting and Jacking the Vehicle in Vehicle Service Manual.
2. Partially lower the spare tire, so it is hanging out of the way.

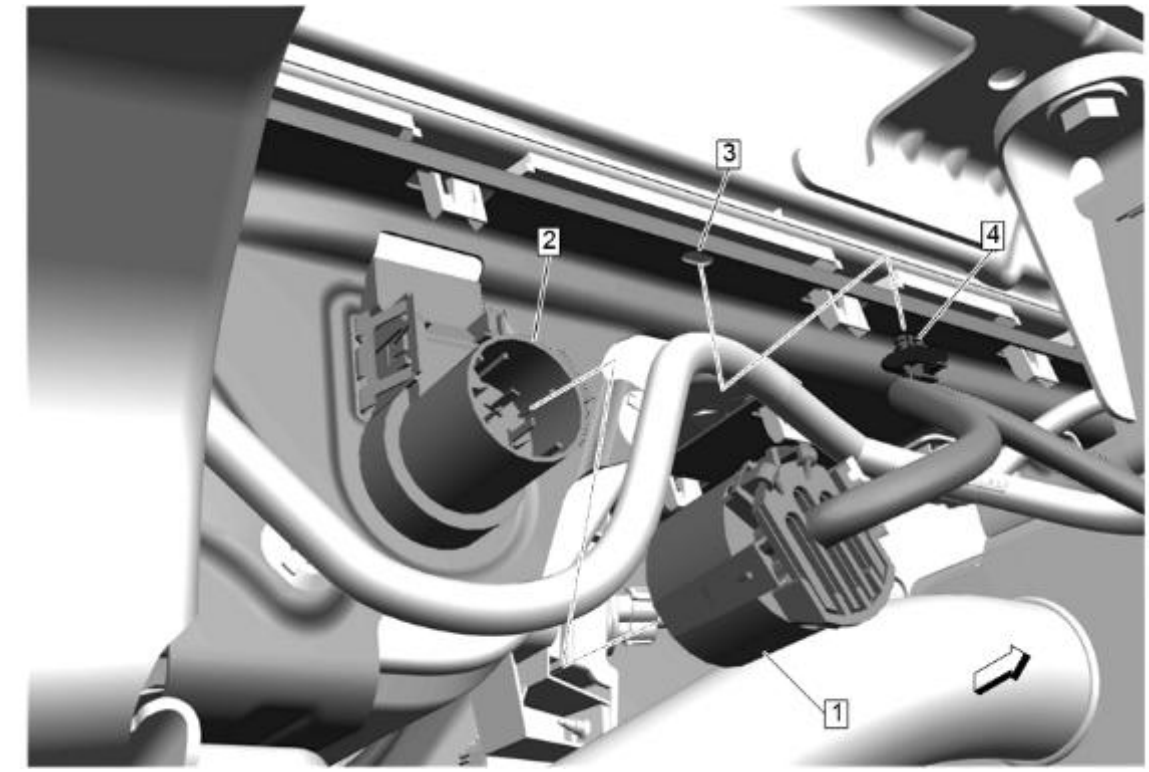


3. Loosen forward spare tire bracket bolt (2) and remove the rear bolt (1). Retain rear bolt.

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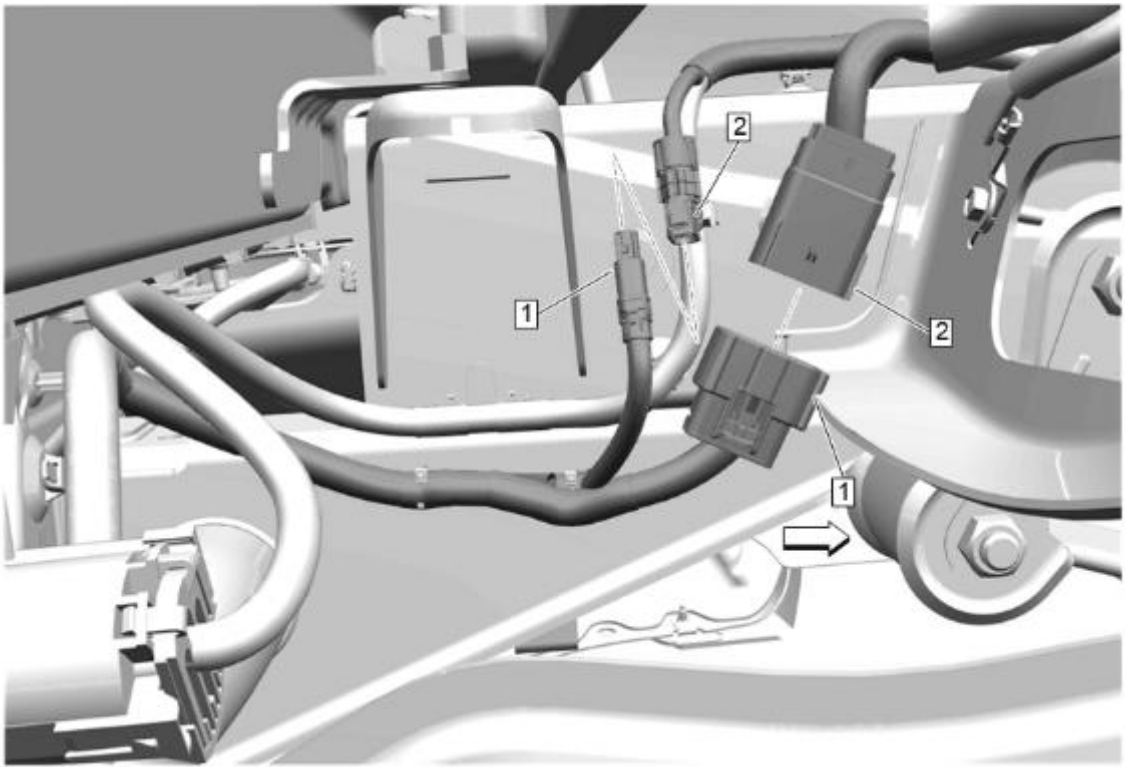


4. Disconnect the endgate connectors (1) from the rear bumper harness connectors (2).



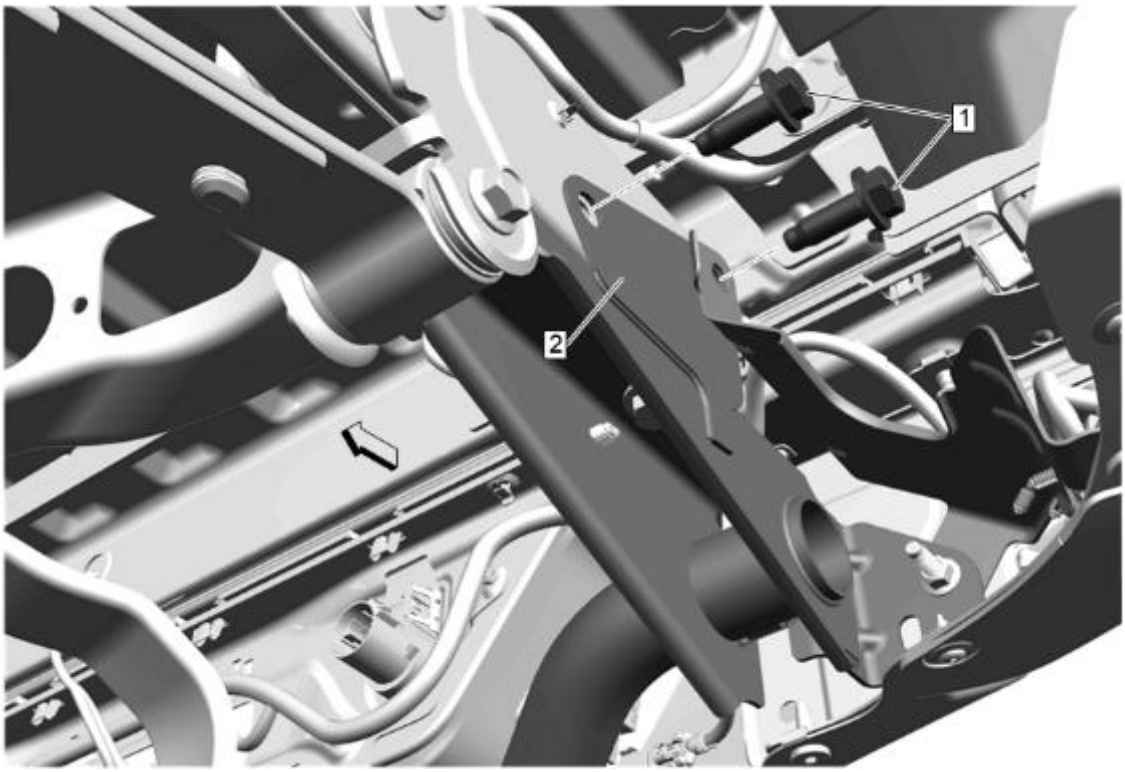
5. Disconnect the 7-way harness connector (1) from the 7-way terminal (2).
6. Disengage the harness retainer (4) from the rear bumper (3).

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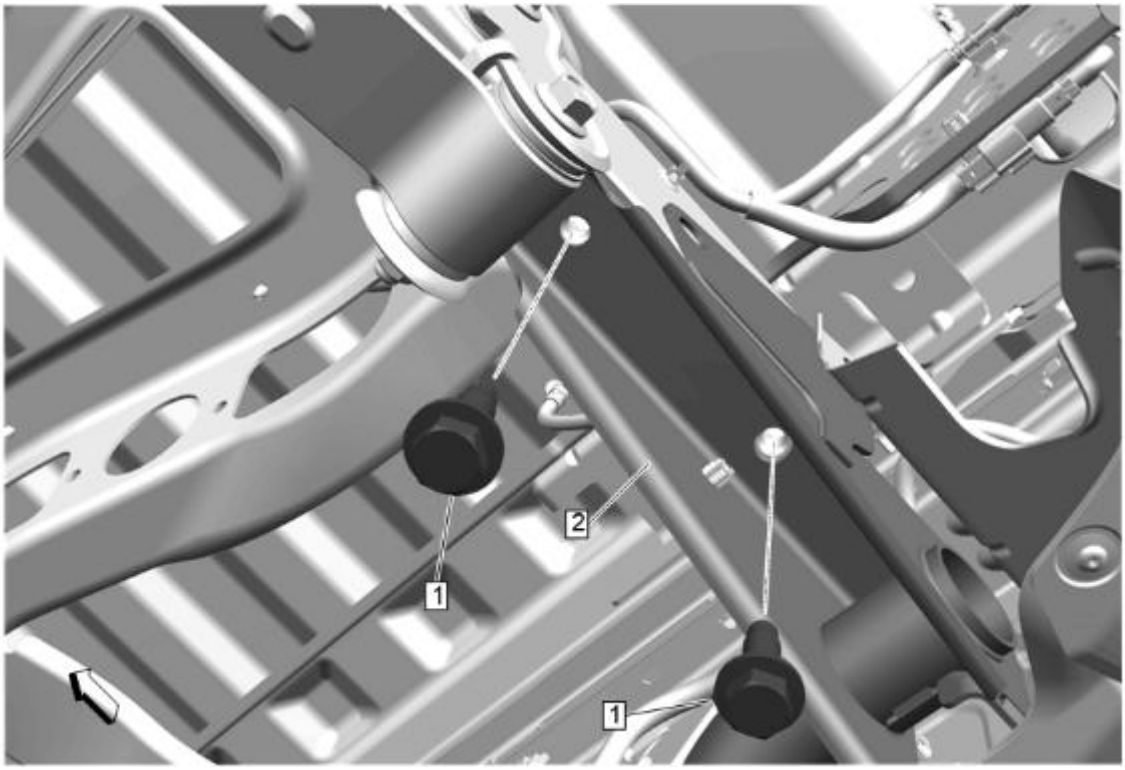
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7. Disconnect the bumper harness connectors (1) from the frame side connectors (2).

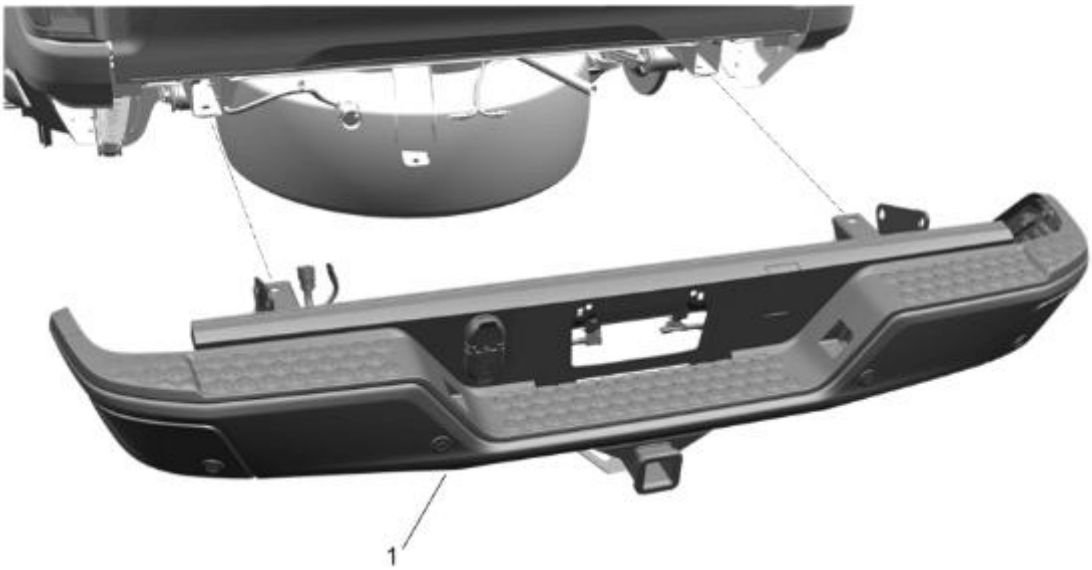


8. Remove the cross car bumper bolts (1) from the hitch (2). Retain the bolts. Repeat for opposite side.

9. Suitably support the rear bumper.

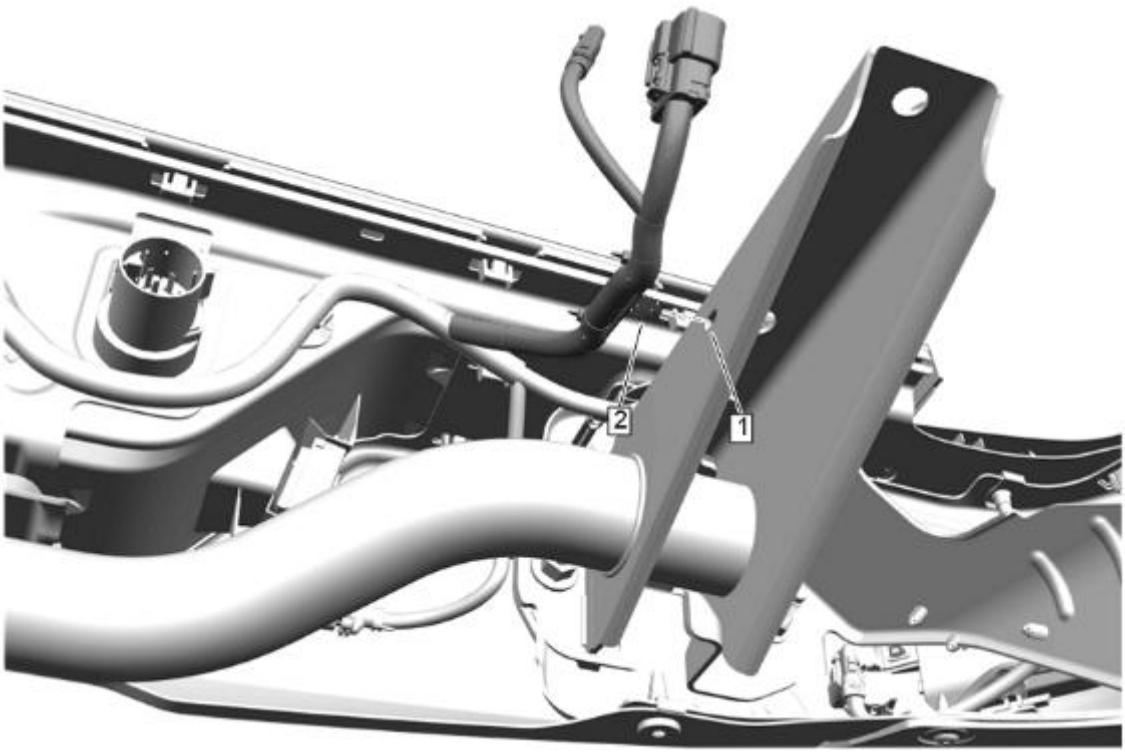


10. Remove the lower vertical bumper bolts (1) from the hitch (2). Retain the bolts. Repeat for opposite side.



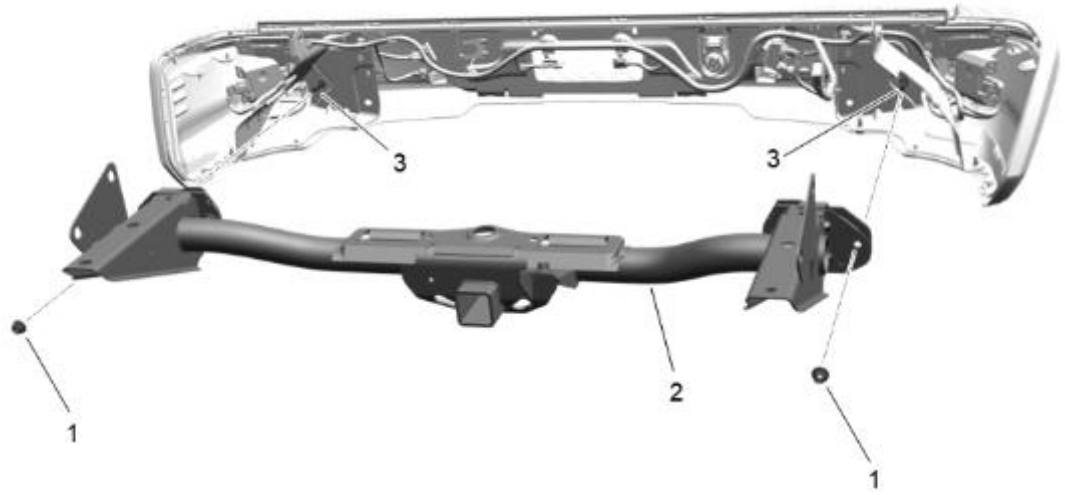
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11. With the aid of an assistant, lower and remove the rear bumper assembly (1), and place on a clean suitable work surface ensuring to protect the finish.

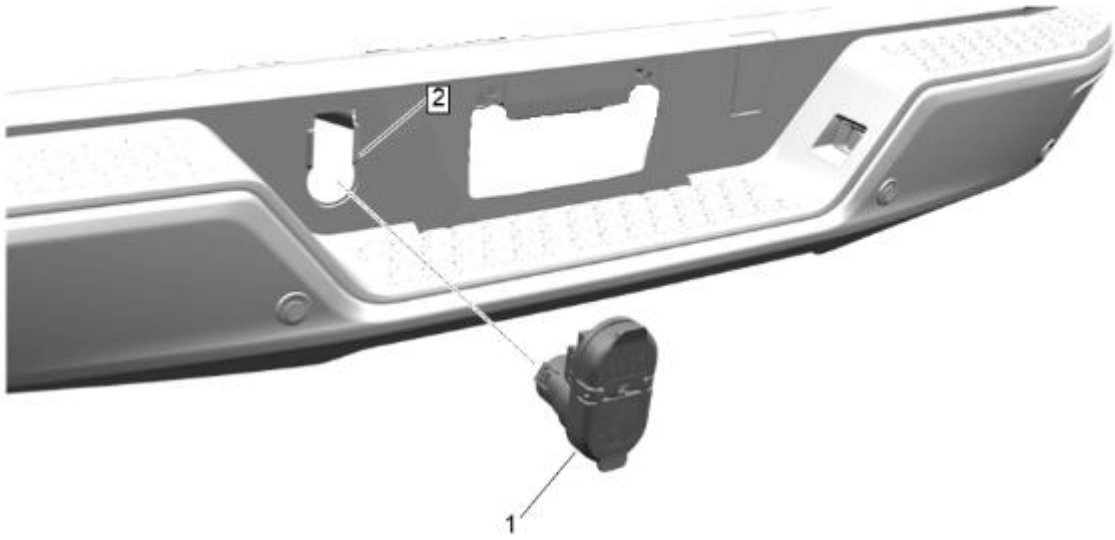


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12. Disengage the harness retainer (2) from the hitch structure assembly (1).



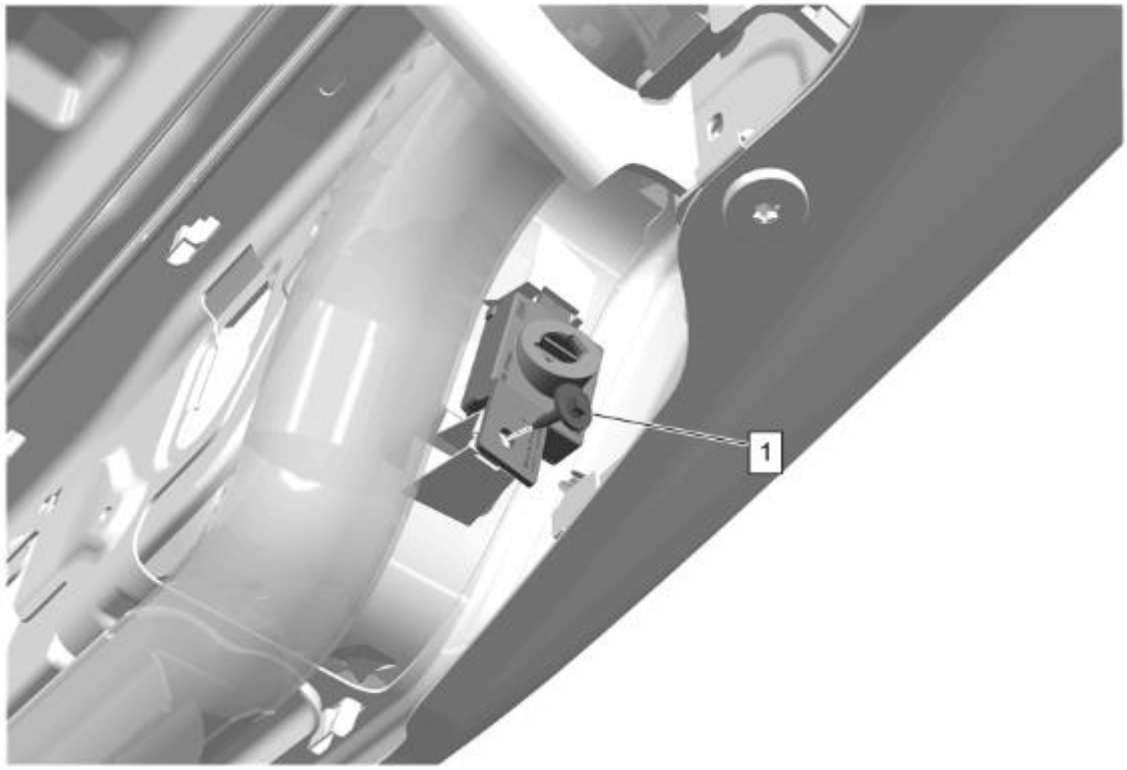
13. Remove the nuts (1) and remove the hitch structure (1) from the bracket studs (3). Retain the nuts.



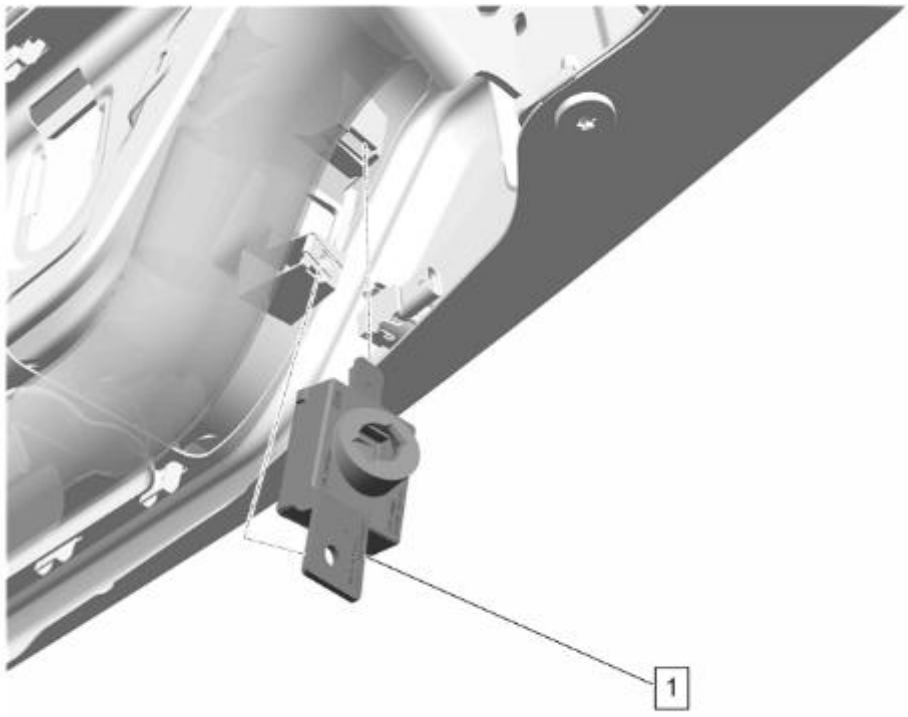
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14. Disengage the retaining tabs and remove the 7-way connector (1) from the rear bumper.
15. Remove the license plate.
16. Disconnect the connector (1) from the license plate lamp (2) Repeat for opposite side.

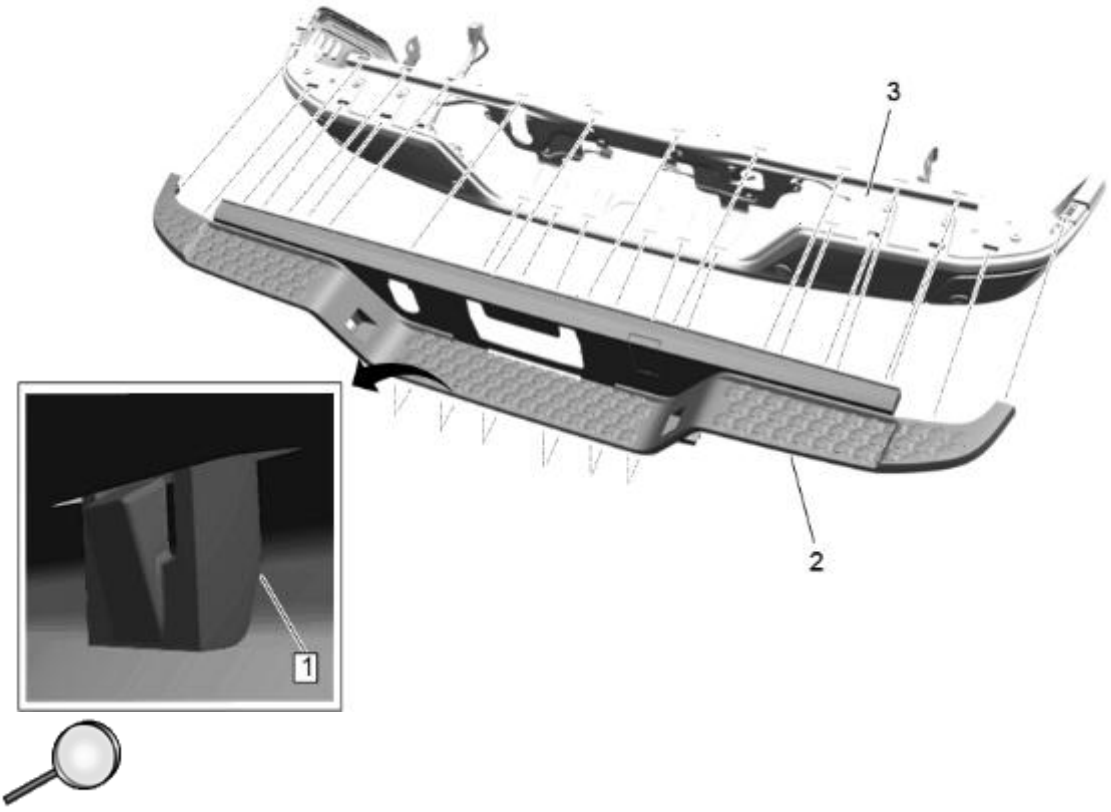


17. Remove the bolt (1) from the license lamp.



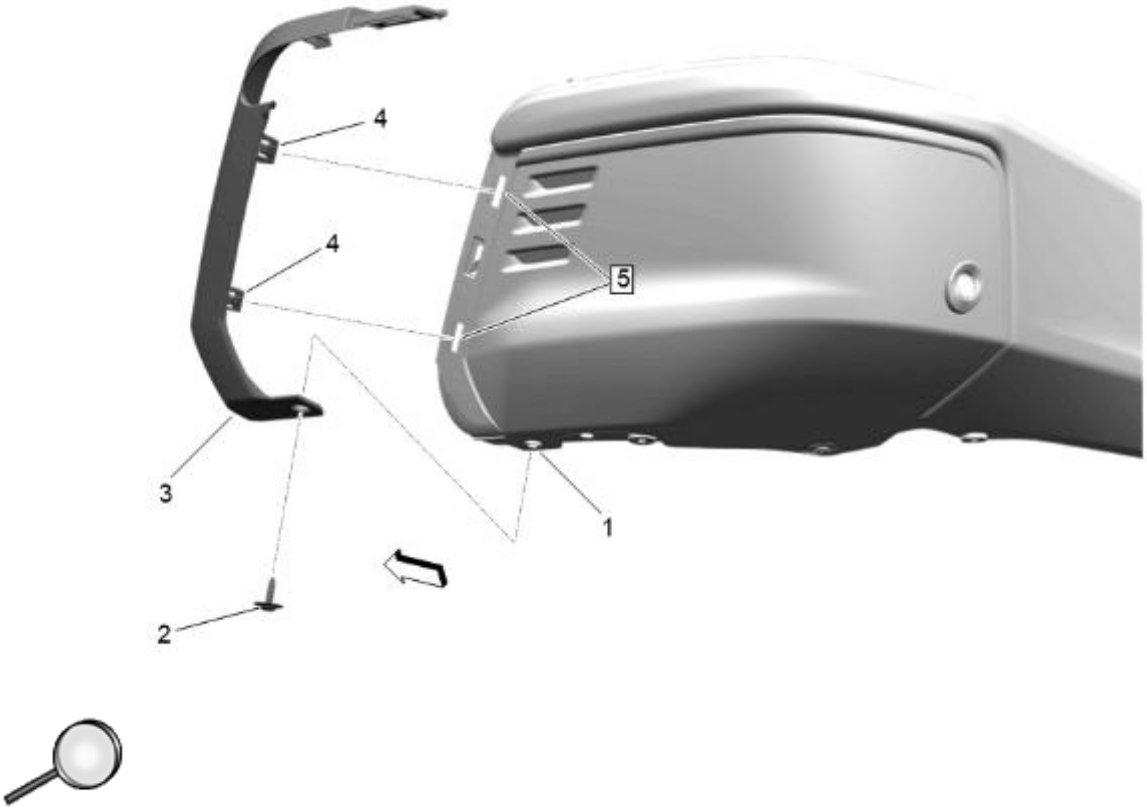
18. Disengage retaining tab and remove the license lamp (1) from the rear bumper. Repeat steps 17 and 18 for opposite side.

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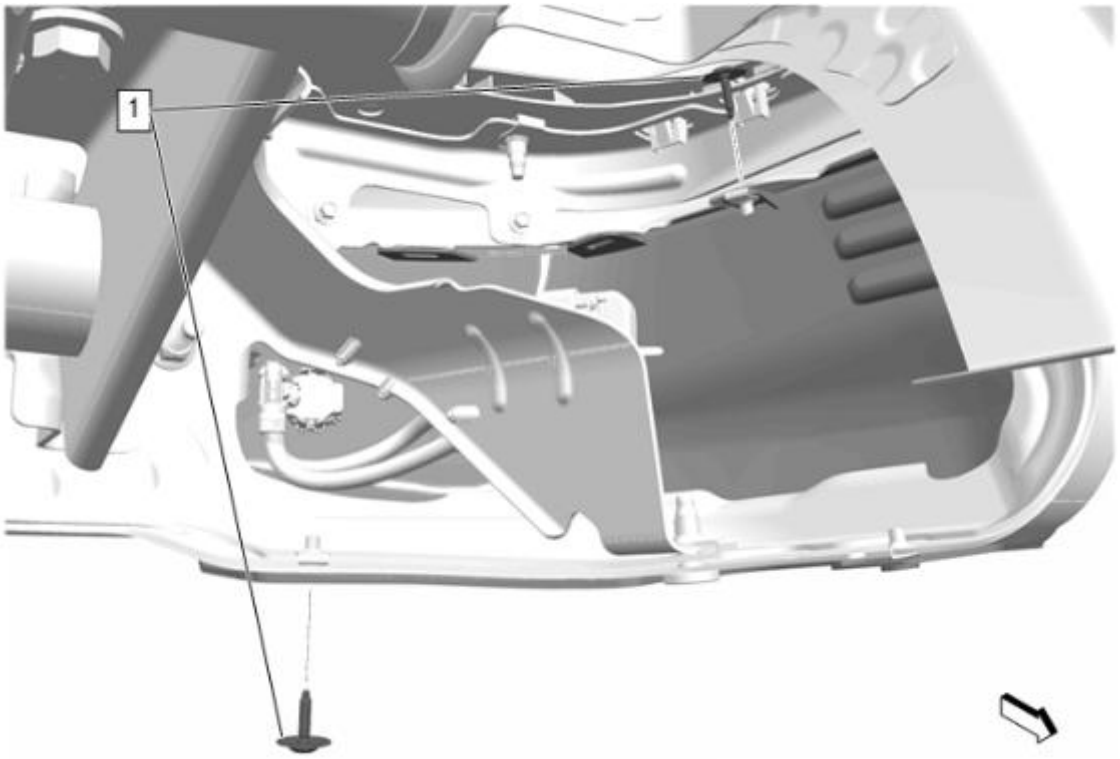


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19. Using a suitable trim type tool, disengage the retaining tabs (1) and remove the rear bumper step pad (2) from the rear bumper (3).

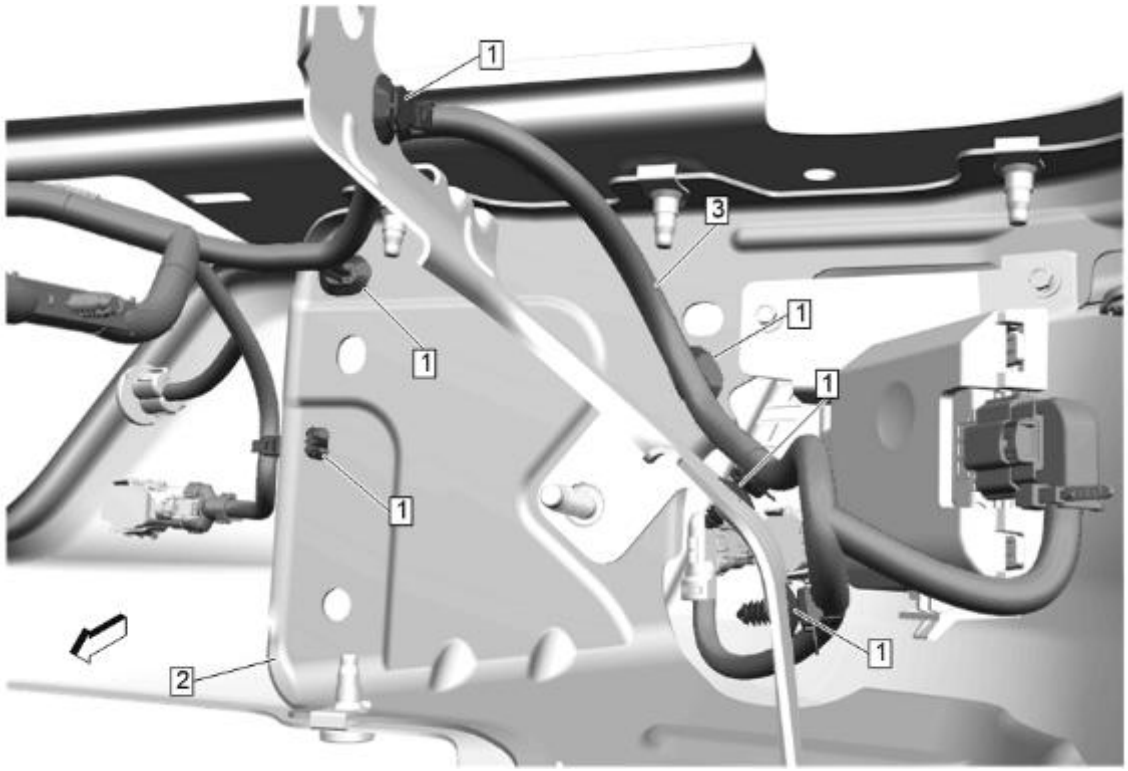


20. Remove and retain screw (2) securing the rear bumper molding (3) to the rear bumper (1). Disengage the retaining tabs (4) and remove the rear bumper molding (3) from the rear bumper (5). Repeat for opposite side.

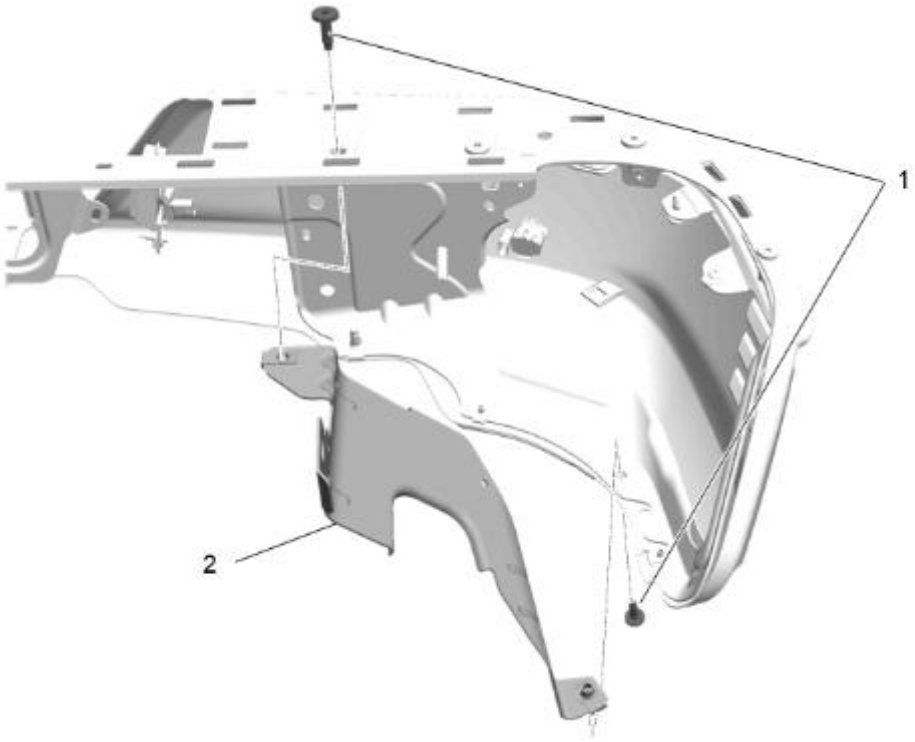


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21. Remove and retain the screws (1) from the rear bumper side pad. Repeat for opposite side.

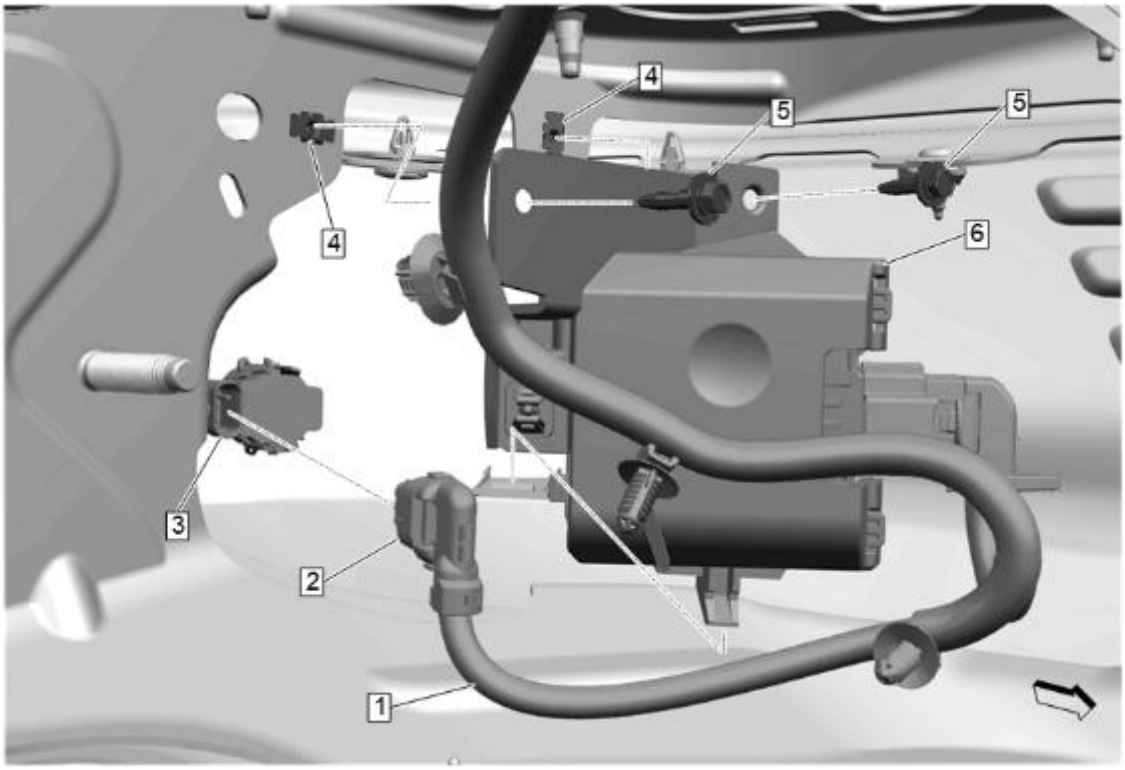


22. Disengage the retainers (1) from the bracket (2) on the rear bumper harness (3). Repeat for opposite side.



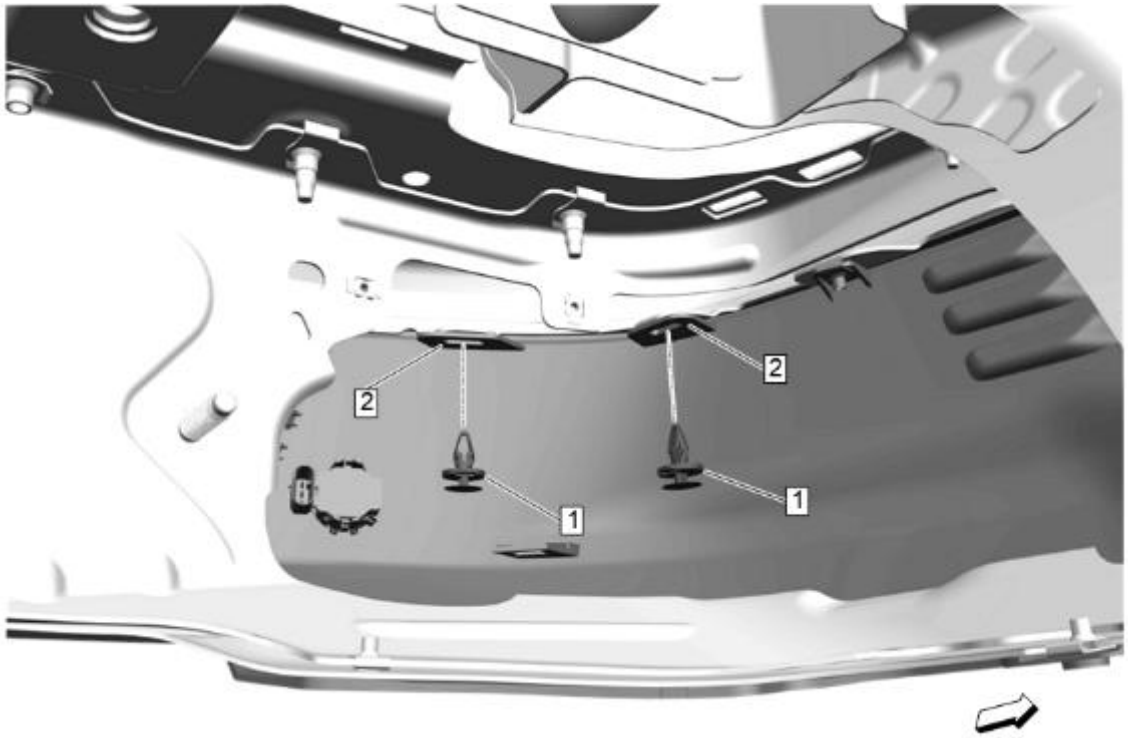
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23. Remove and retain the bolts (1) from the bumper bracket (2). Remove and discard bumper bracket (2). Repeat for opposite side.



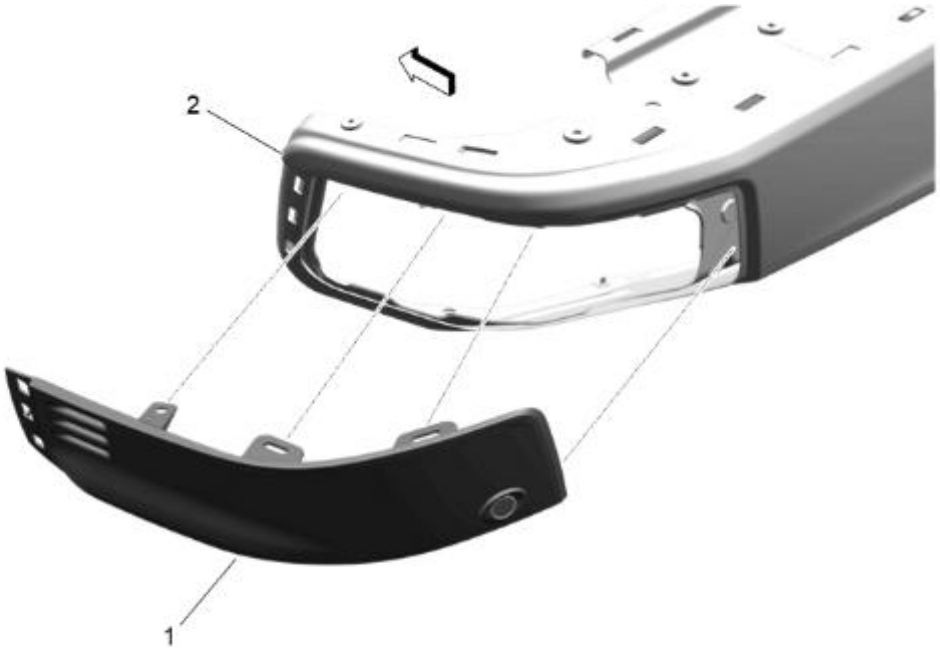
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24. Remove and retain the screws (5) securing the sensor module bracket (6) to the rear bumper bracket (4).
25. Disconnect the electrical connector (2) from the rear park sensor (3).
26. Disengage the sensor module bracket (6) with module from the bumper bracket, and reposition the module bracket (6) and harness (1). Repeat steps 24-26 for opposite side.

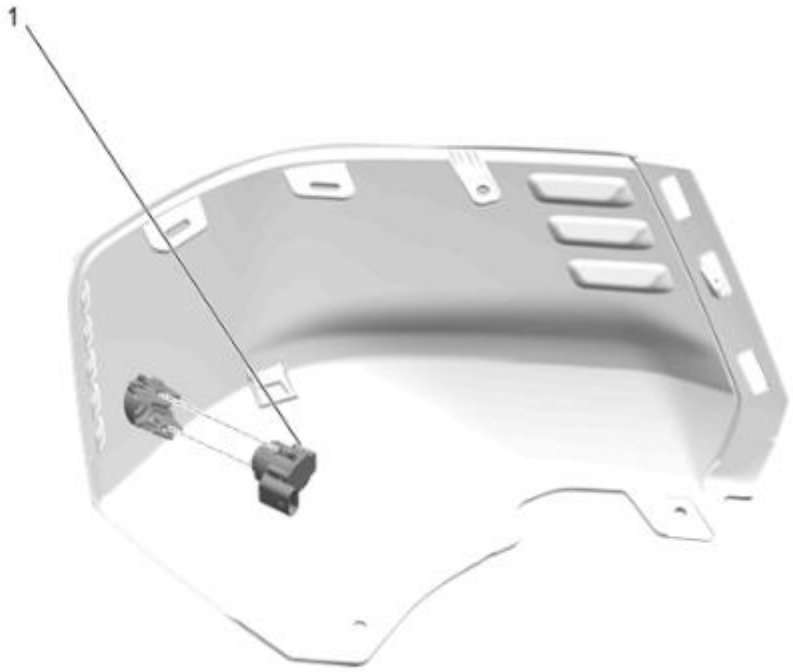


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27. Remove and retain the push retainers (1) from the rear bumper side pad (2). Repeat for opposite side.

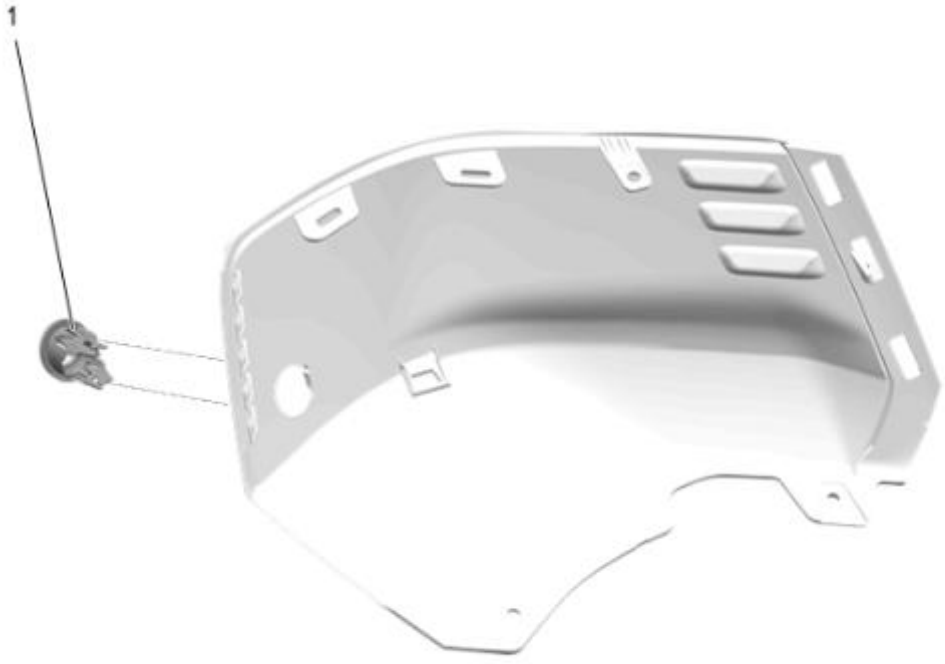


28. Remove the side pad (1) from the rear bumper (2). Repeat for opposite side.



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29. Disengage the retaining tab and remove the rear park sensor (1) from the sensor bracket. Retain sensor.



30. Using a suitable trim type tool, disengage the 4 tab retainers and remove the rear park sensor bracket (1). Retain sensor bracket. Repeat steps 29-30 for opposite side.





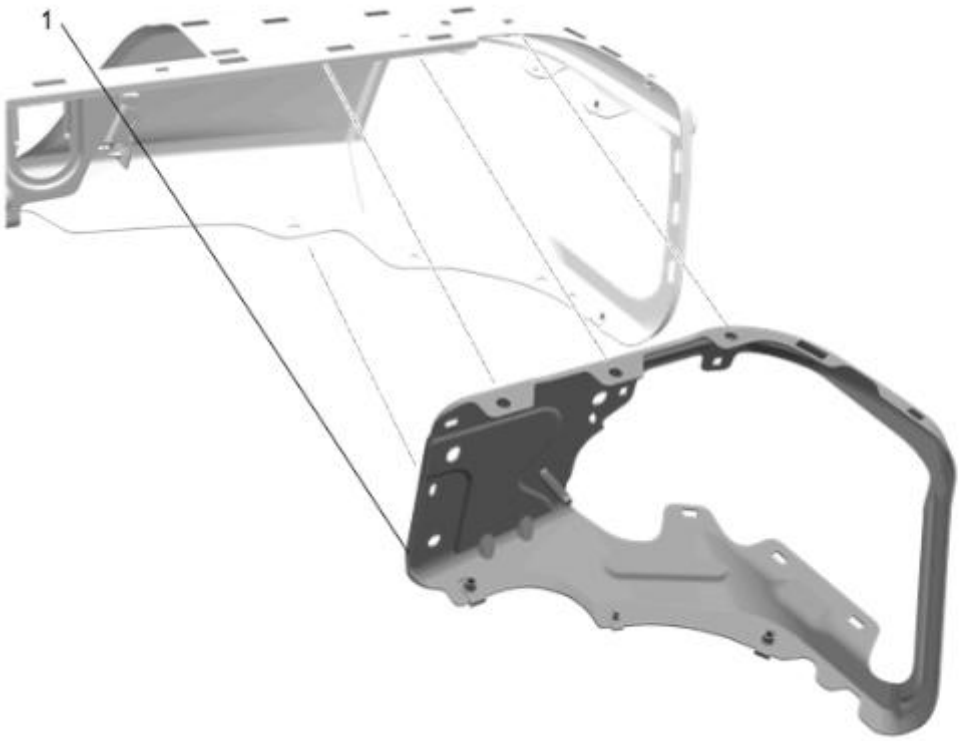
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31. Discard the rear bumper side pad (1).





32. Remove and retain the bolts (1), (2) from the rear bumper. Repeat for opposite side.

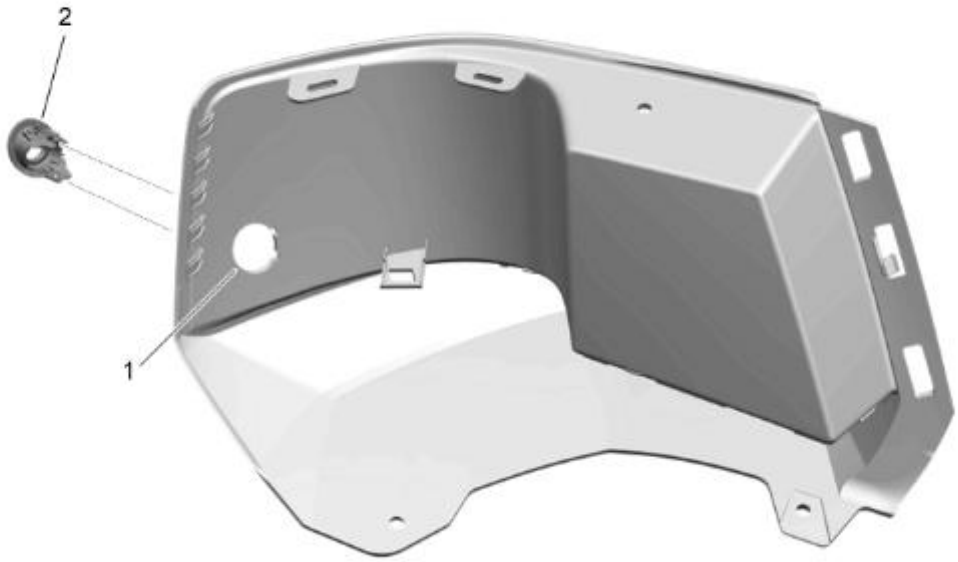


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33. Remove the bracket (1) from the rear bumper and discard. Repeat for opposite side.

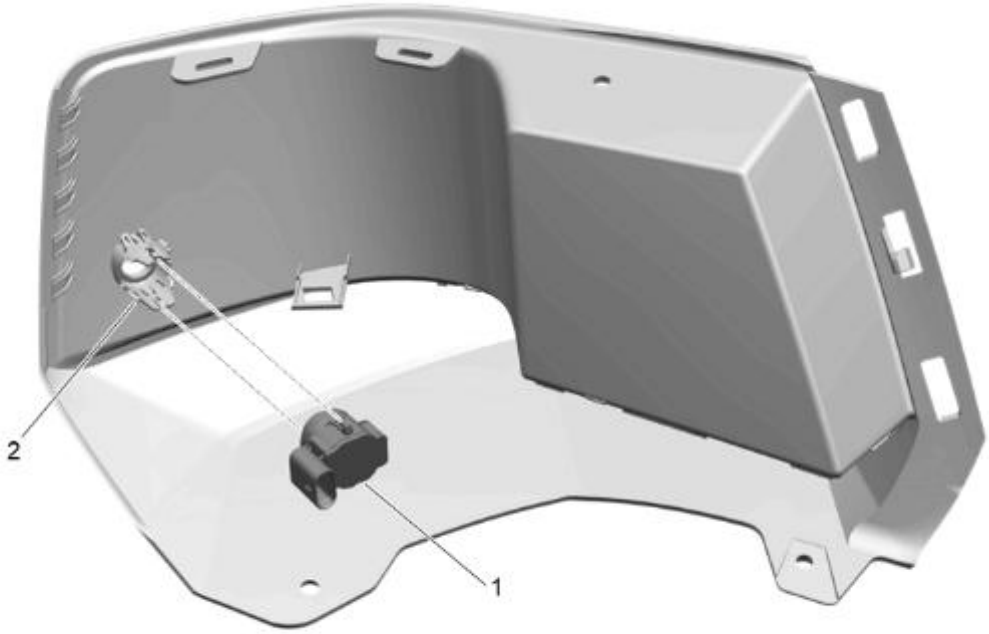


34. Install supplied U-nut (1), P/N 11548578 to the rear bumper (2). Repeat for opposite side.

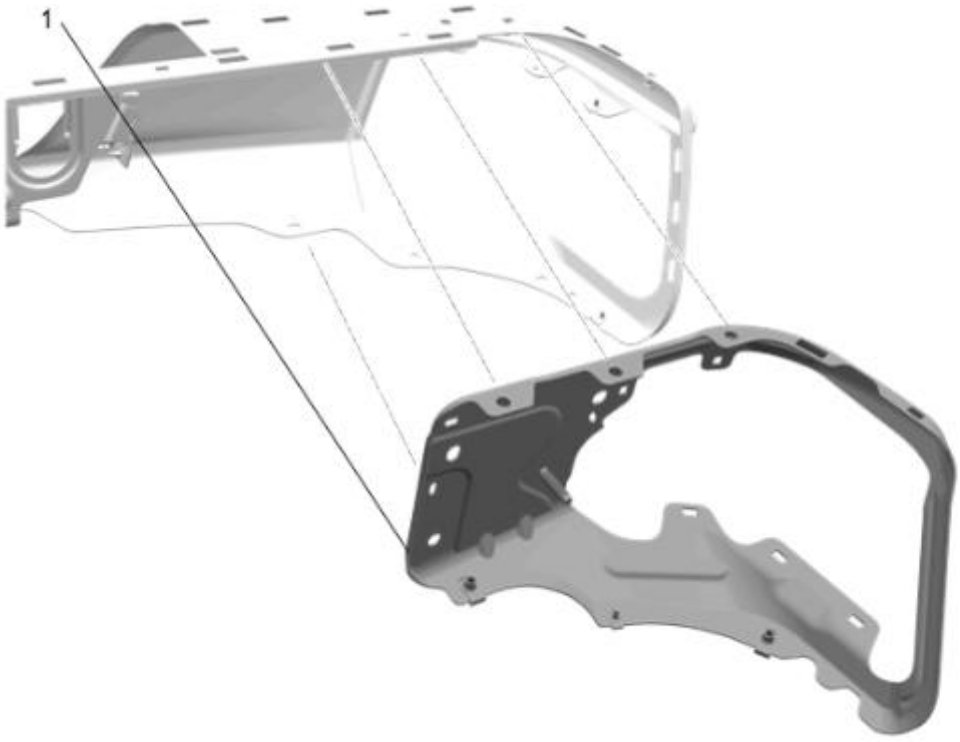


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35. Install the rear park sensor bracket (2) to the new step bumper side pad (1). Ensure proper alignment of bracket. Repeat for opposite side.



36. Install the rear park sensor (1) to the park sensor bracket (2). Ensure proper alignment to bracket. Repeat for opposite side.





37. Install the supplied bracket (1) to the rear bumper.

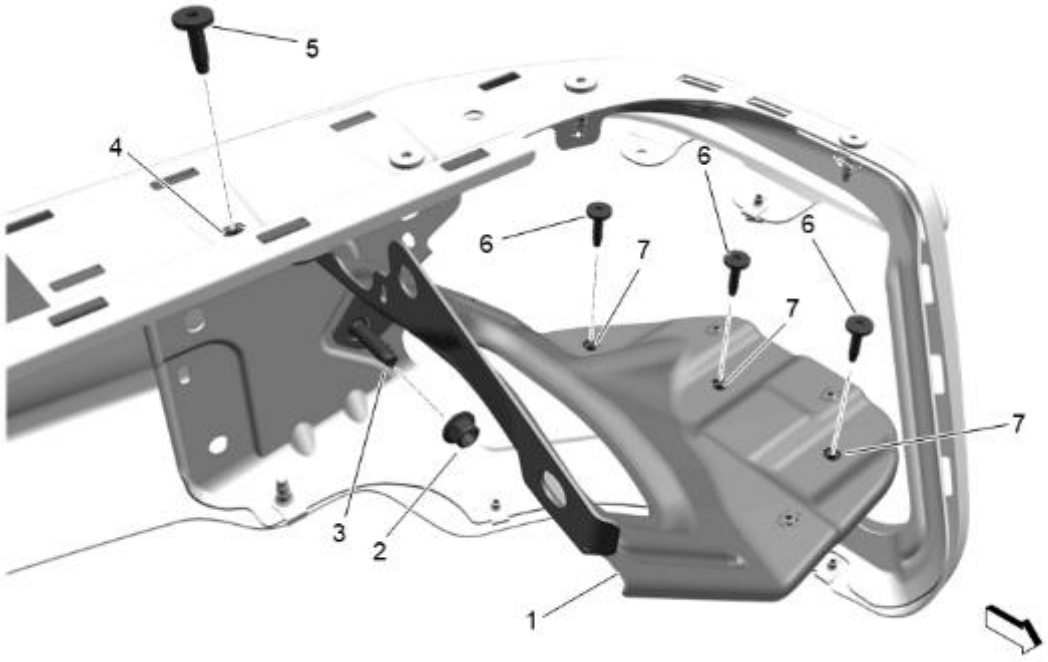




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Caution: Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

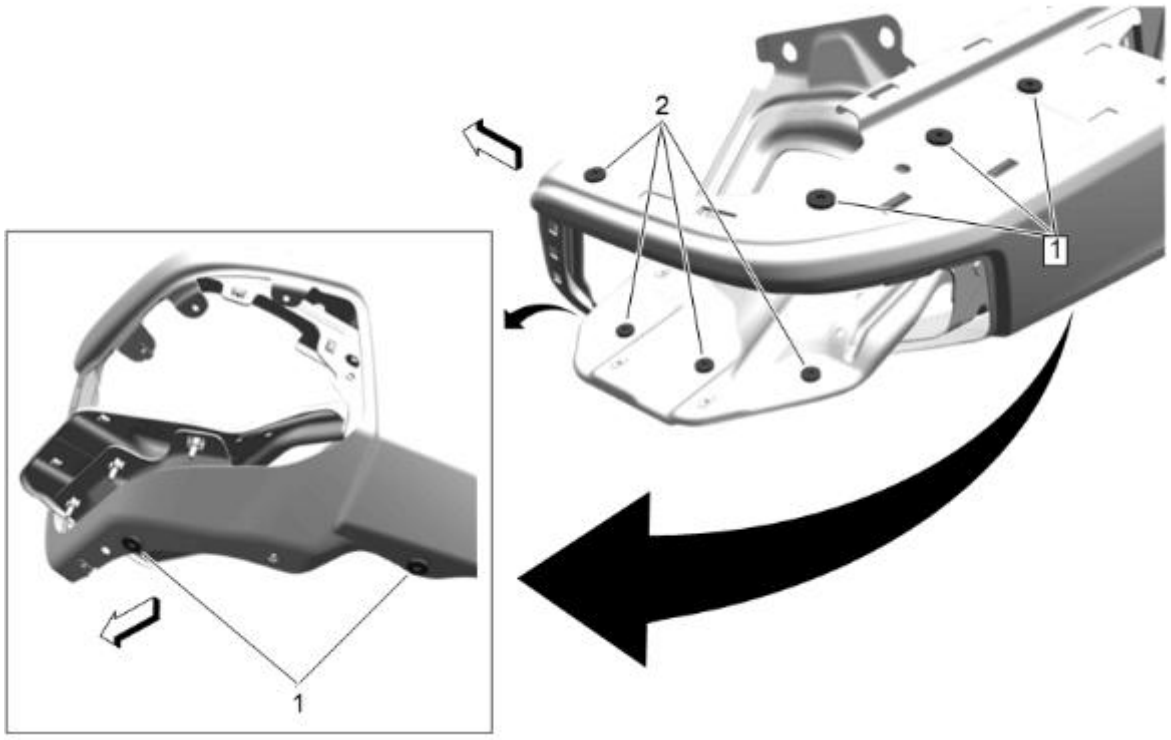
38. Loosely install the previously removed bolts (1), (2) to the rear bumper. Repeat steps 37 and 38 for opposite side.





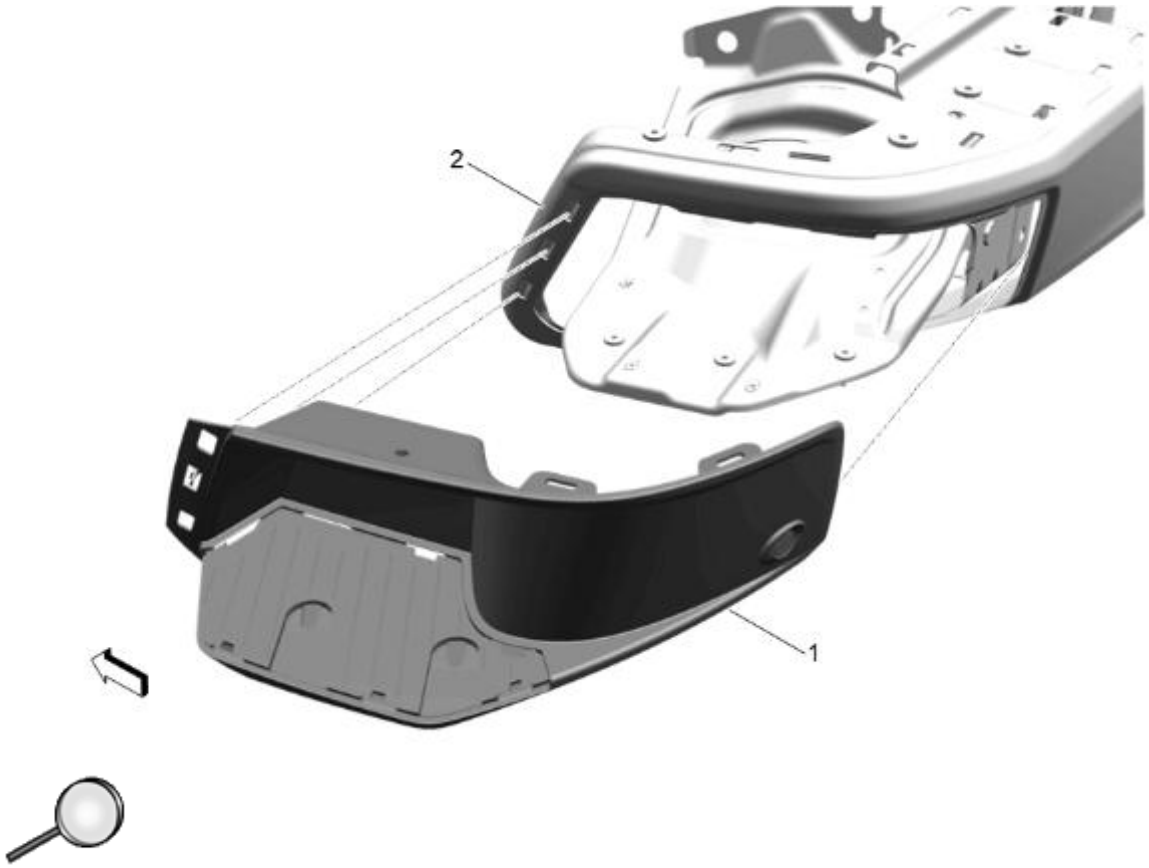
39. Install the supplied step corner bracket (1) to the rear bumper over the stud (3).
40. Loosely install the previously removed bolt (5) to the rear bumper (4).
41. Loosely install the supplied bolts (6) P/N 1160916 to the bracket (7).
42. Loosely install the previously removed nut (2) to the stud (3).

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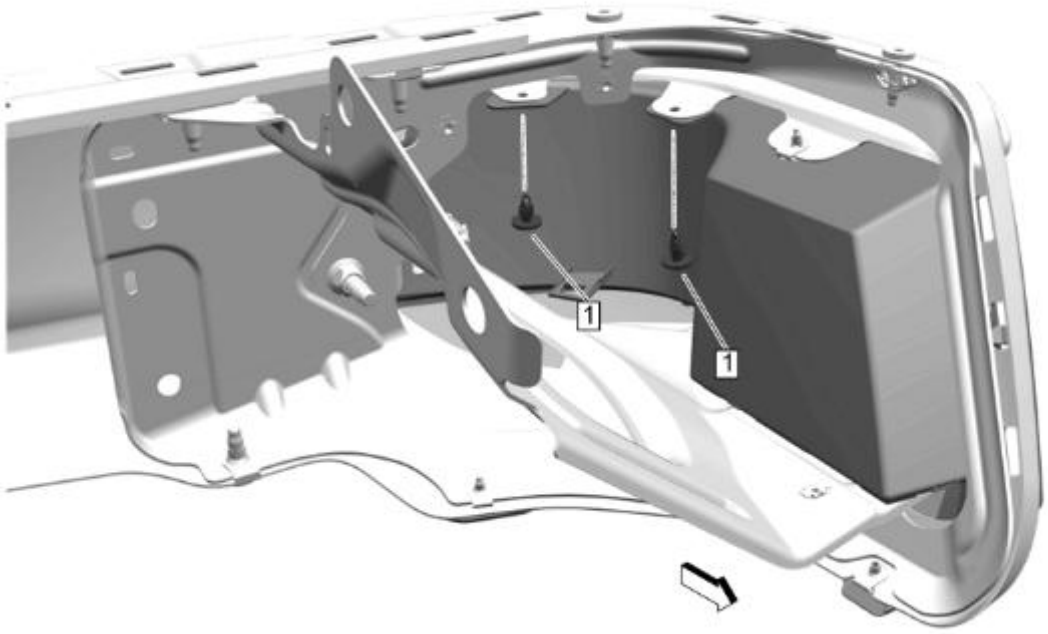


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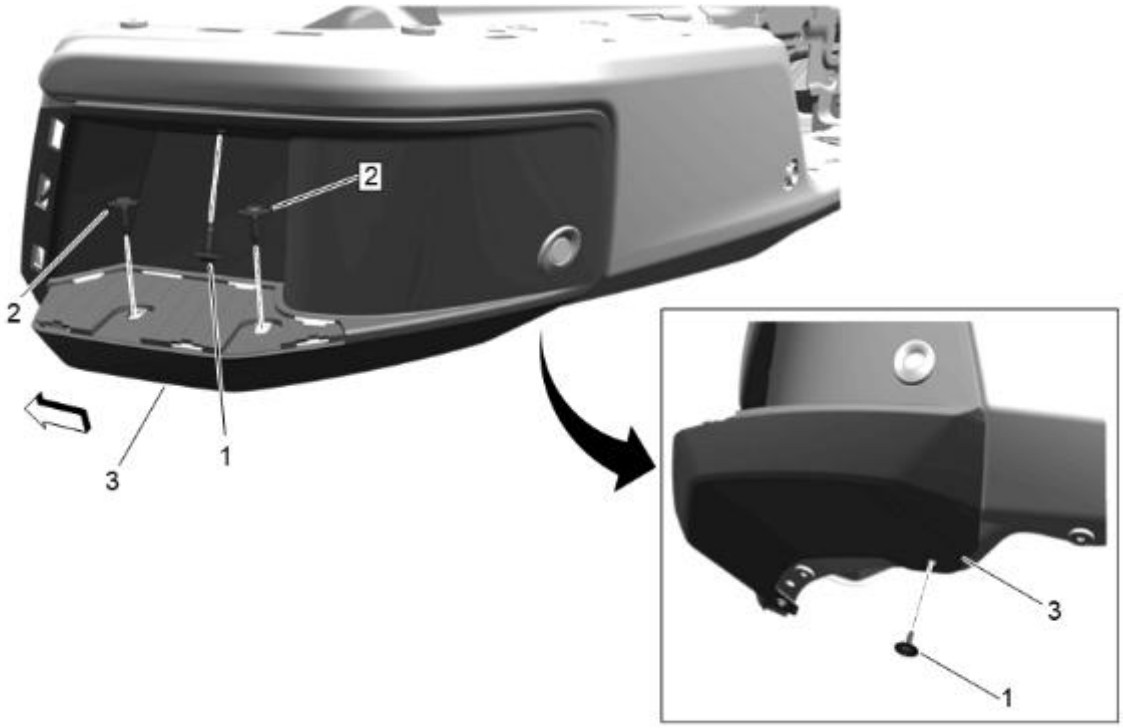
43. Tighten bolts (1) to 22 N.m (16 lb ft).
44. Tighten bolts (2) to 9 N.m (80 lb in).
45. Repeat steps 39-44 for opposite side.



46. Install the supplied corner step (1) to the rear bumper (2).

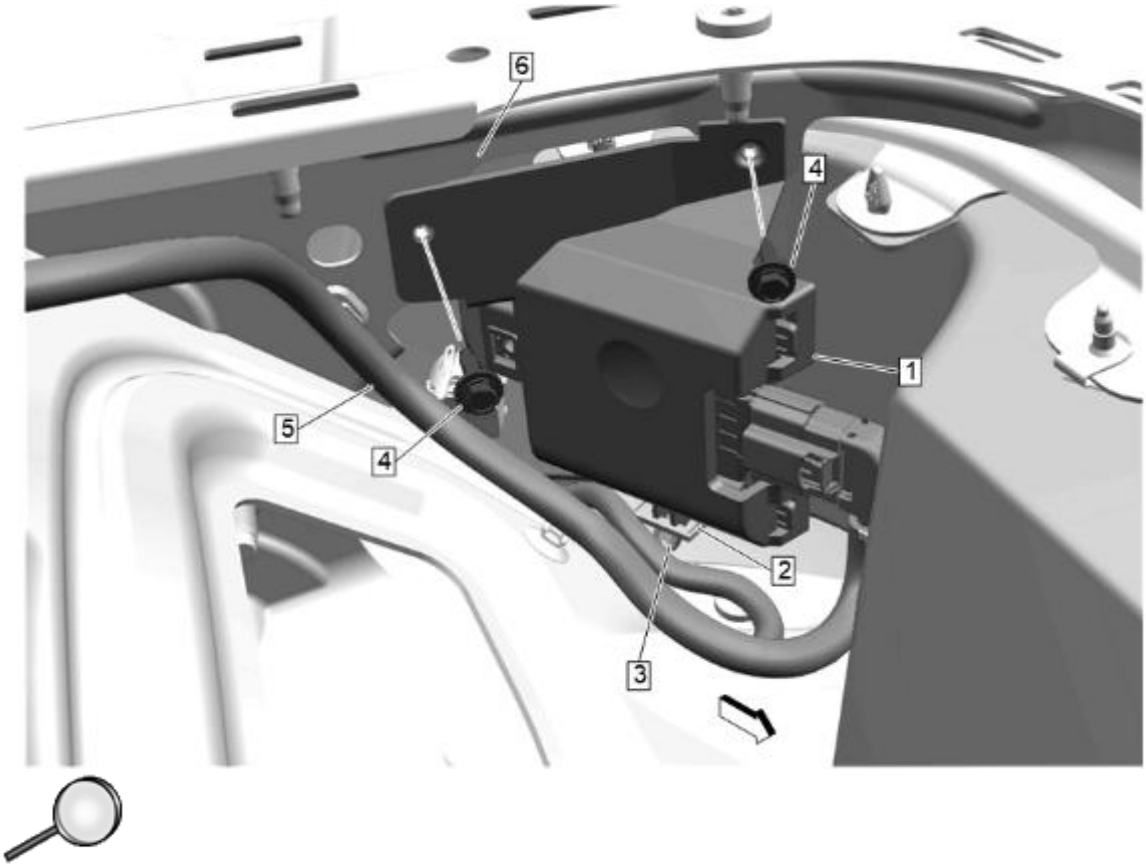


47. Install the previously removed push retainers (1).



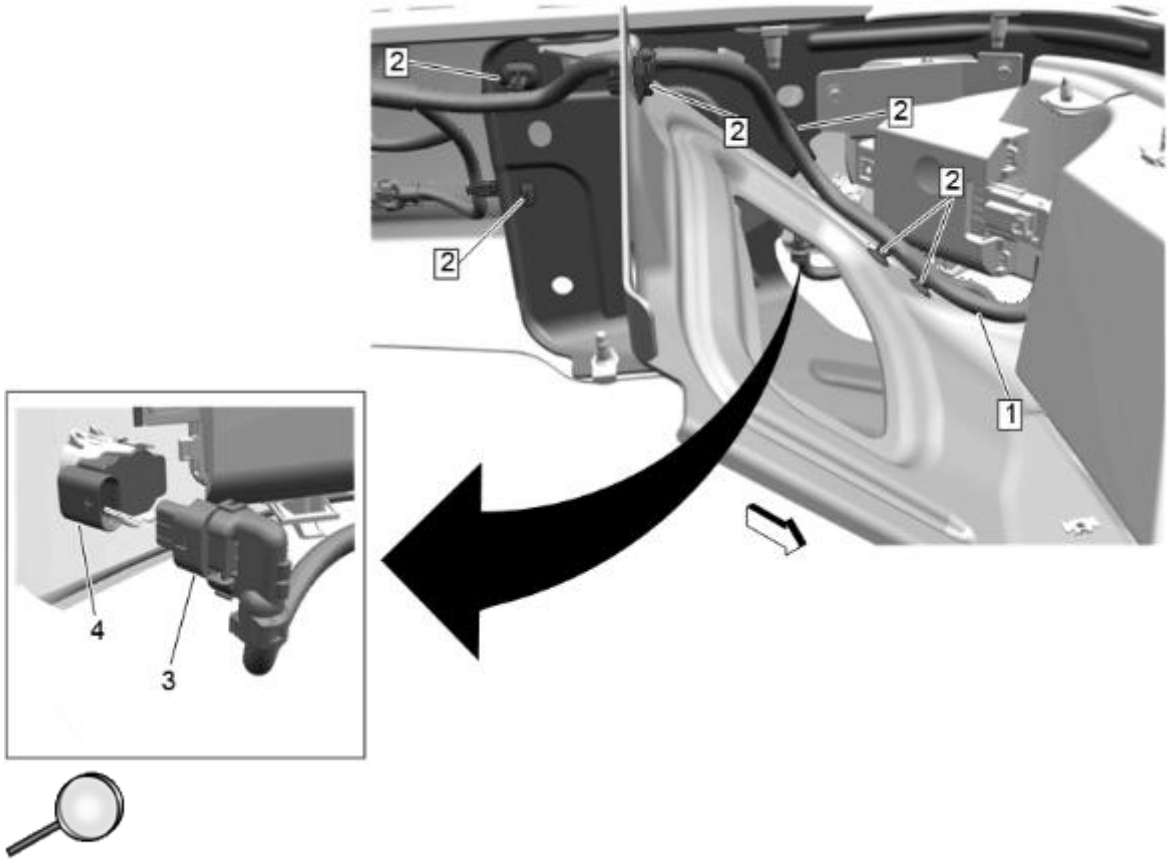
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48. Install the previously removed screws (1) to the corner step (3) and tighten to 2.5 N.m (22 lb in).
49. Install the supplied screws (2) P/N 11548270 to the corner step (3) and tighten to 2.5 N.m (22 lb in).
50. Repeat steps 46-49 for opposite side.

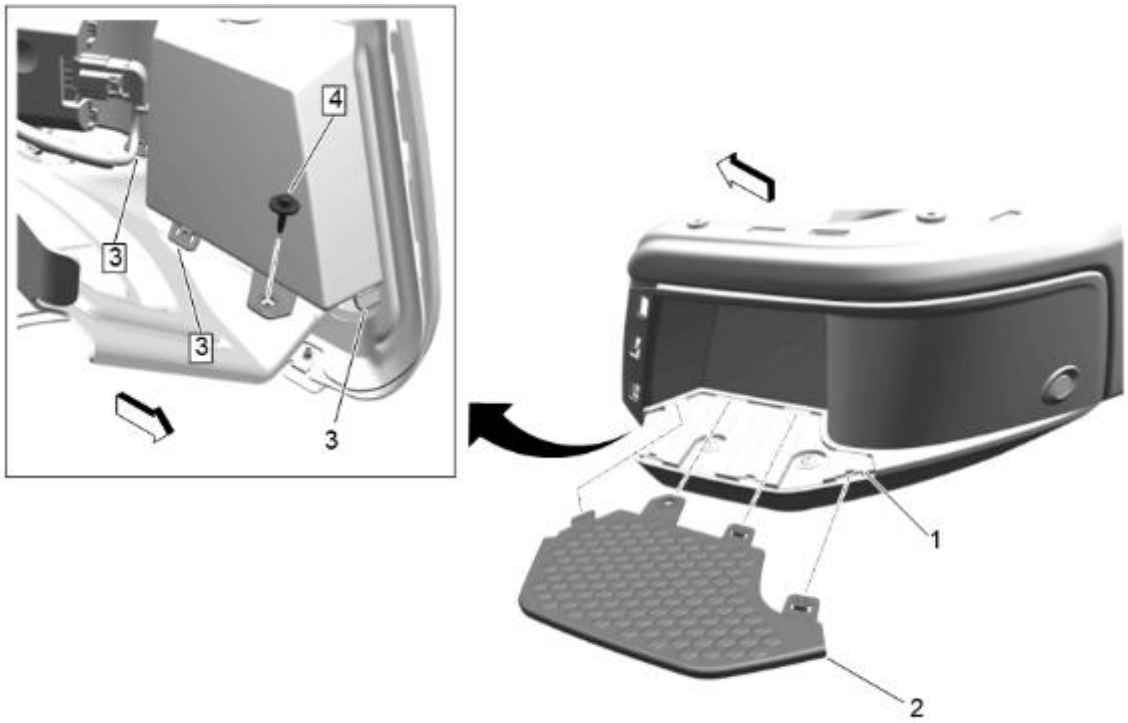


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51. Reposition the wire harness (5) and reinstall the rear sensor module (1) to the bracket (6), making sure the module bracket (3) is seated into the slot (2).
52. Install the previously removed bolts (4) to the sensor module. Tighten bolts to 2.5 N.m (22 lb in).

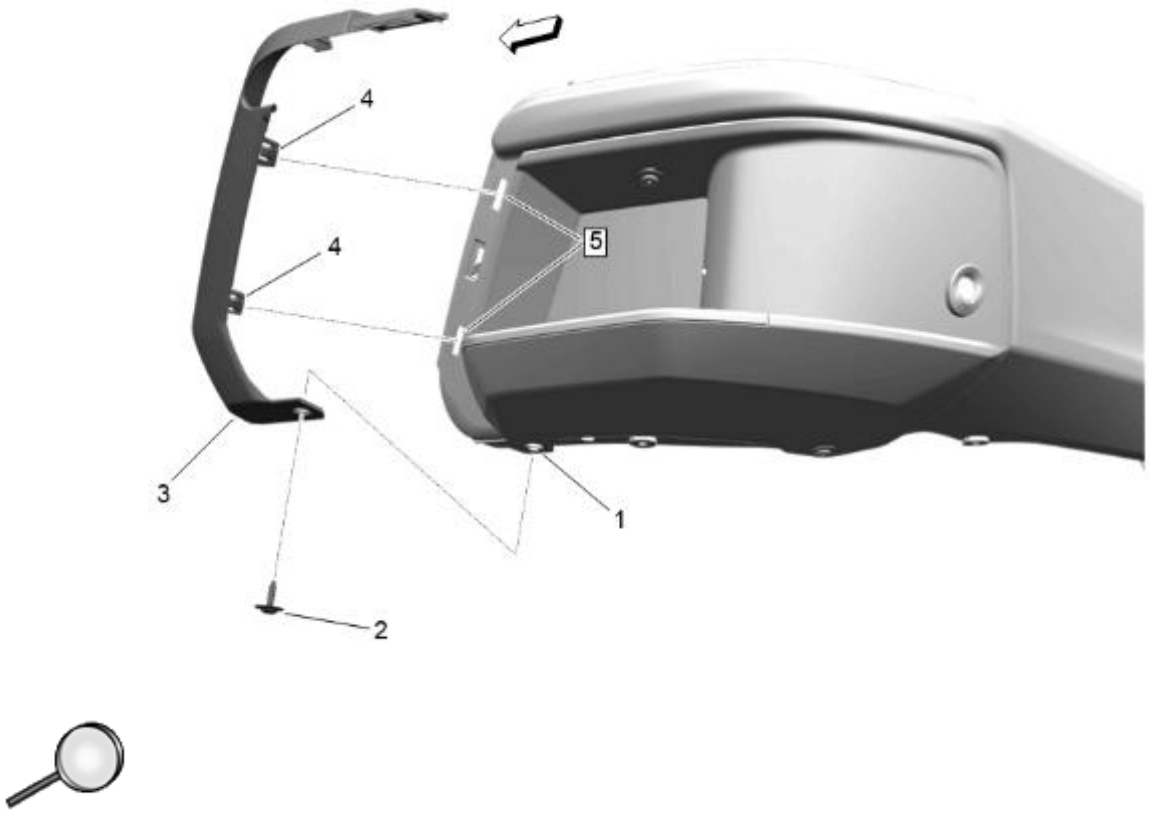


53. Reposition the wire harness (1) and seat harness retainers (2) to the bracket.
54. Connect electrical connector (3) to the rear park sensor (4), making sure connector is fully seated. Repeat steps 51-54 for opposite side.



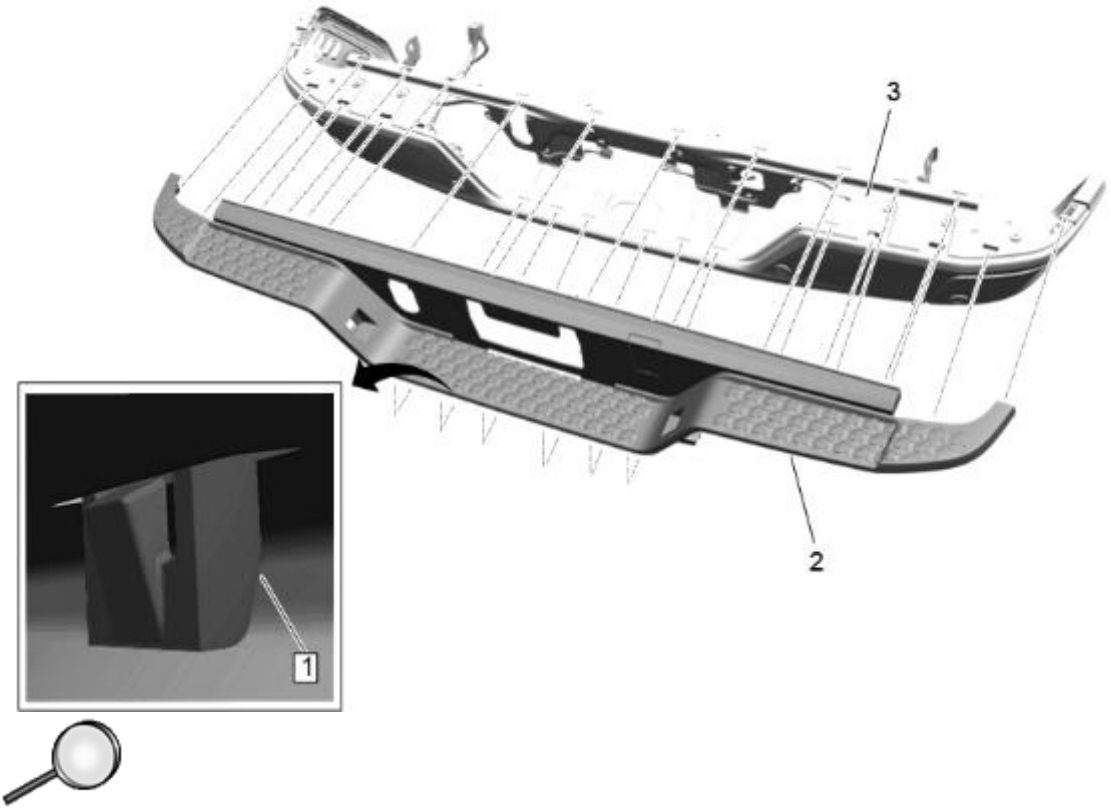
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55. Install the supplied step pad (2) to the side step (1), making sure the retaining tabs (3) are fully engaged.
56. Install supplied screw (4) P/N 11570498 and tighten to 2.5 N.m (22 lb in). Repeat steps 55-56 for opposite side.



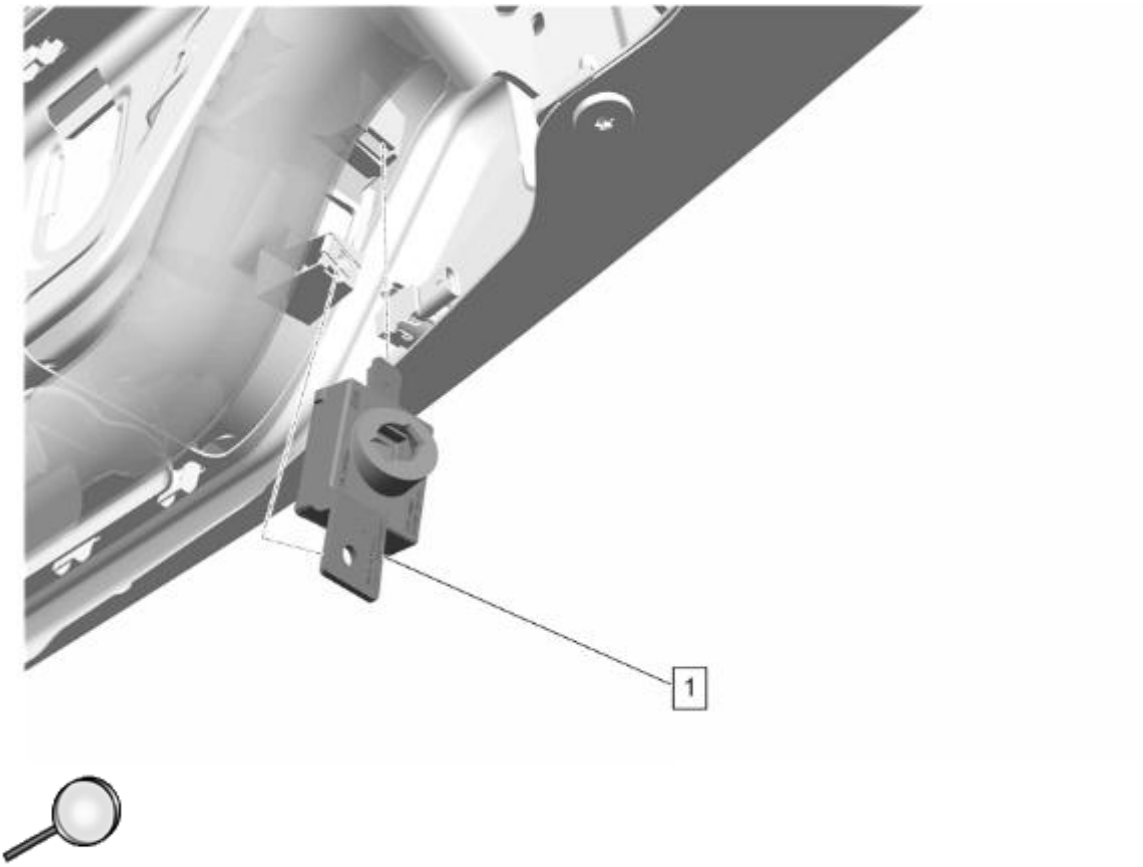
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57. Install the previously removed end cap molding (3) to the rear bumper (5), making sure the retaining tabs (4) are fully engaged.
58. Install the previously retained screw (2) to molding at lower bumper (1) and tighten to 2.5 N.m (22 lb in). Repeat steps 57-58 for opposite side.



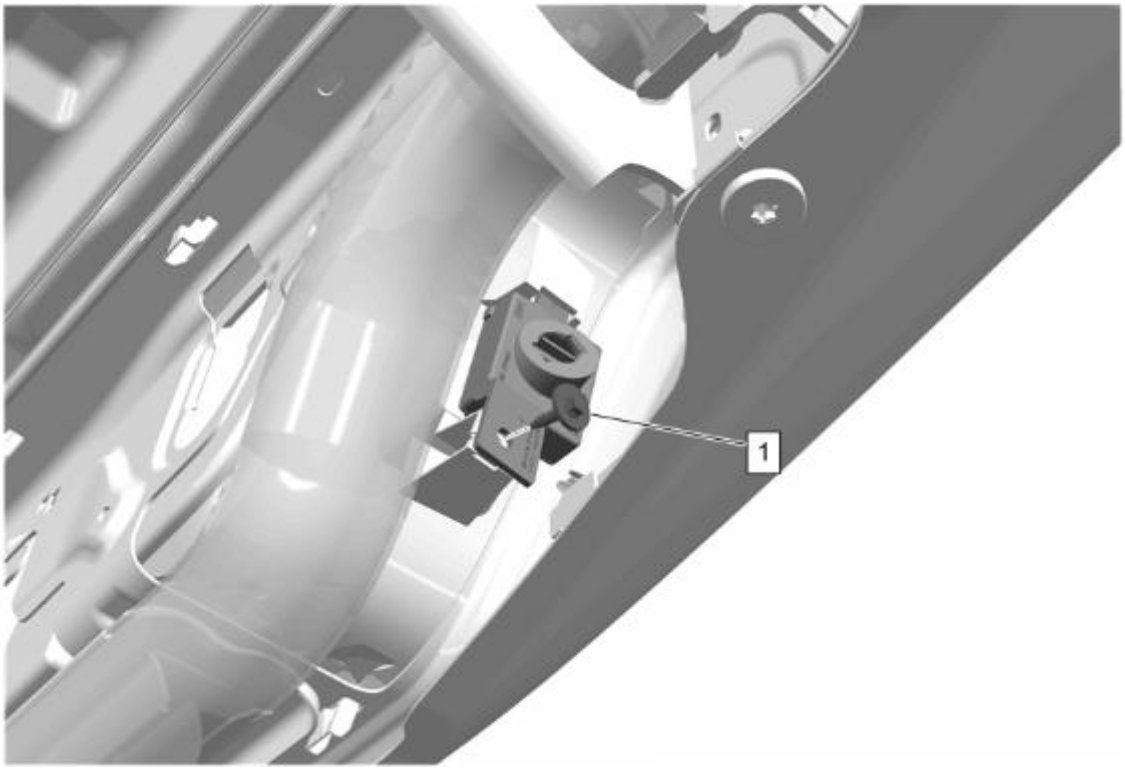
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59. Reinstall the rear step pad (2) to the rear bumper (3), making sure all tabs (1) are fully engaged.

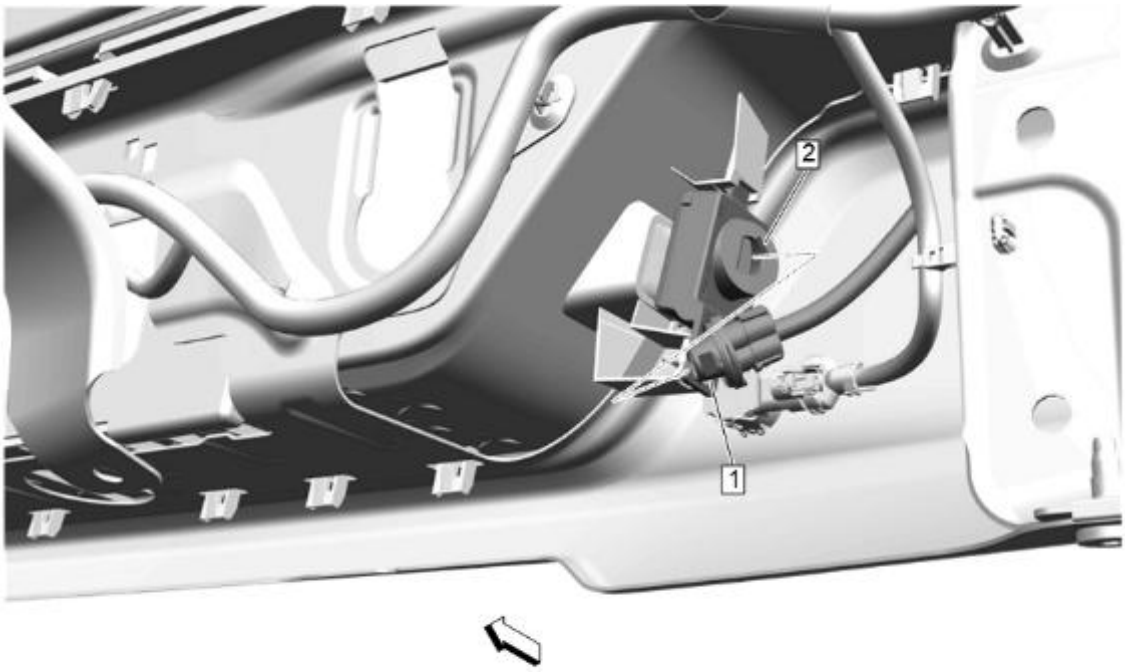


60. Reinstall the license plate lamp (1) to the rear bumper, making sure lamp tab is in slot.

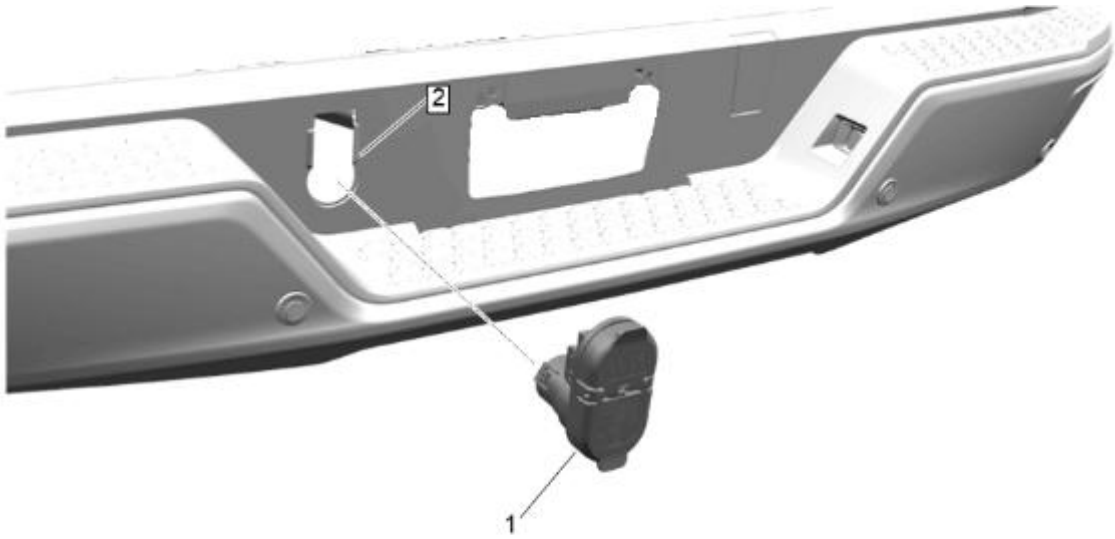
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61. Reinstall the previously removed bolt (1) to license lamp and tighten to 2.5 N.m (22 lb in).

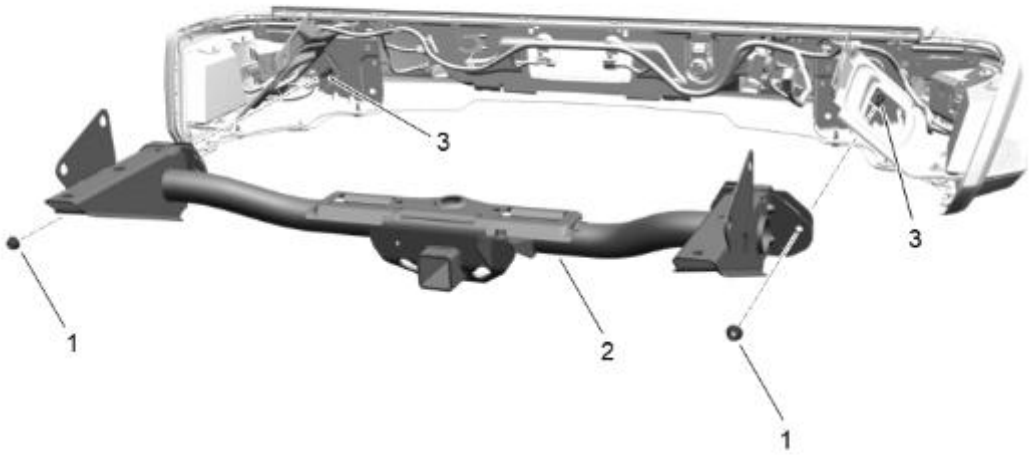


62. Connect the electrical connector (1) to the license lamp (2). Repeat steps 60-62 for opposite side.

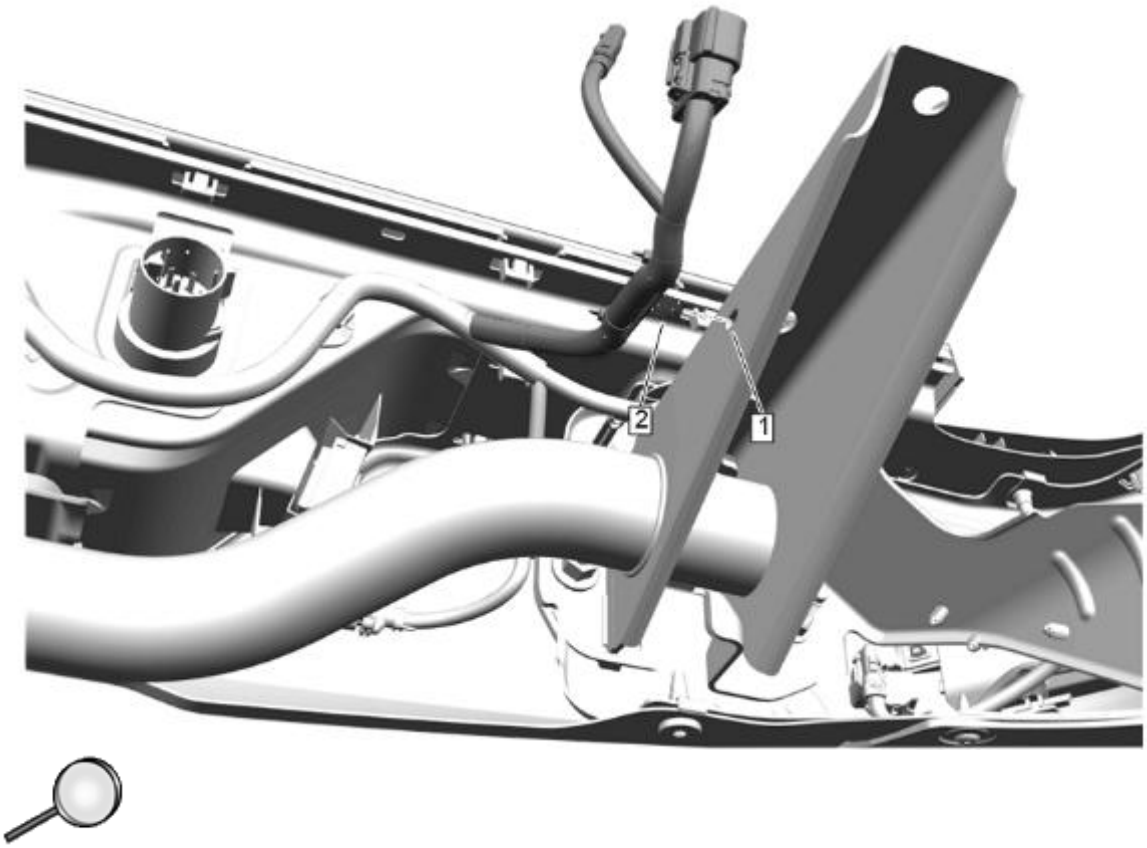


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63. Reinstall the 7-way connector (1) to the rear bumper, making sure the retaining tabs are fully engaged.
64. Reinstall the license plate.

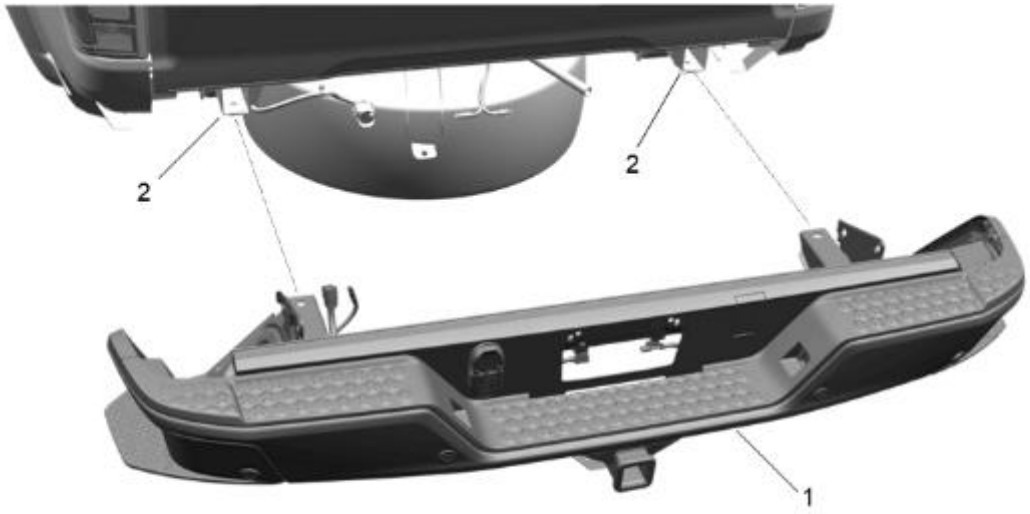


65. Remove the loosely install nuts (1) from the rear bracket studs (3).
66. With the aid of an assistant, install the trailer hitch (2) to the rear bumper bracket studs (3) and secure with the previously retained nuts (1). Tighten nuts to 58 N.m (43 lb ft).



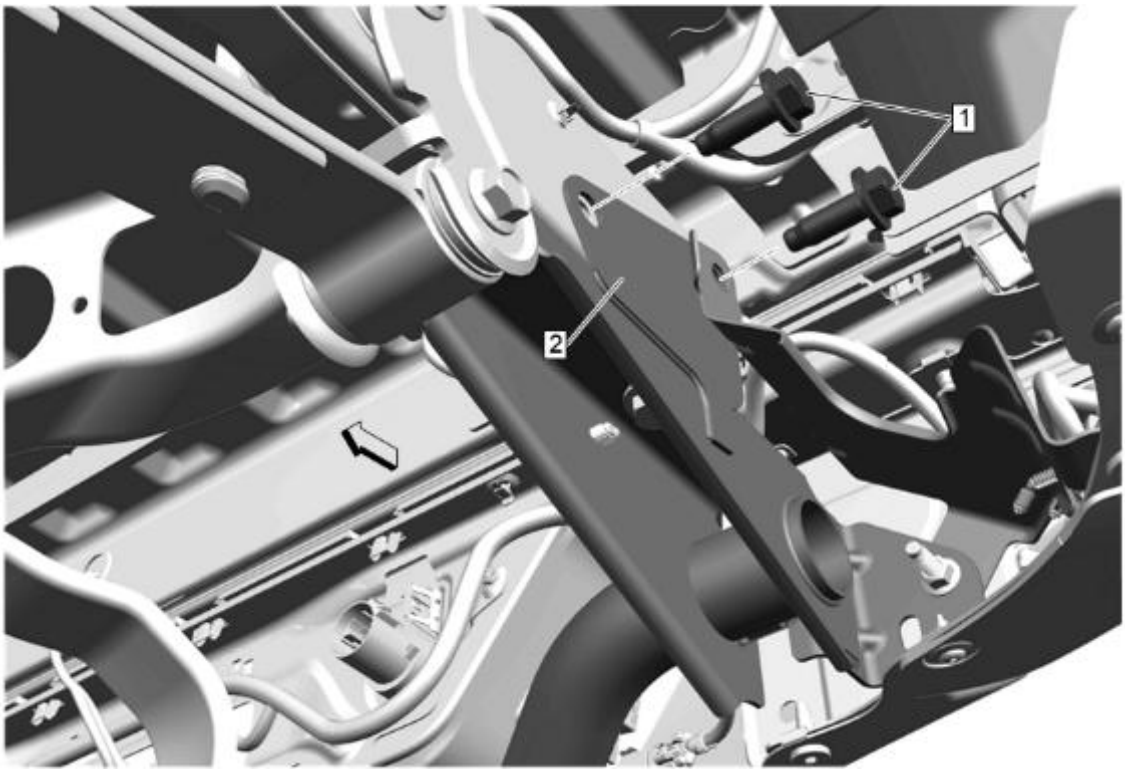
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67. Engage the harness retainer (2) to the hitch (1).



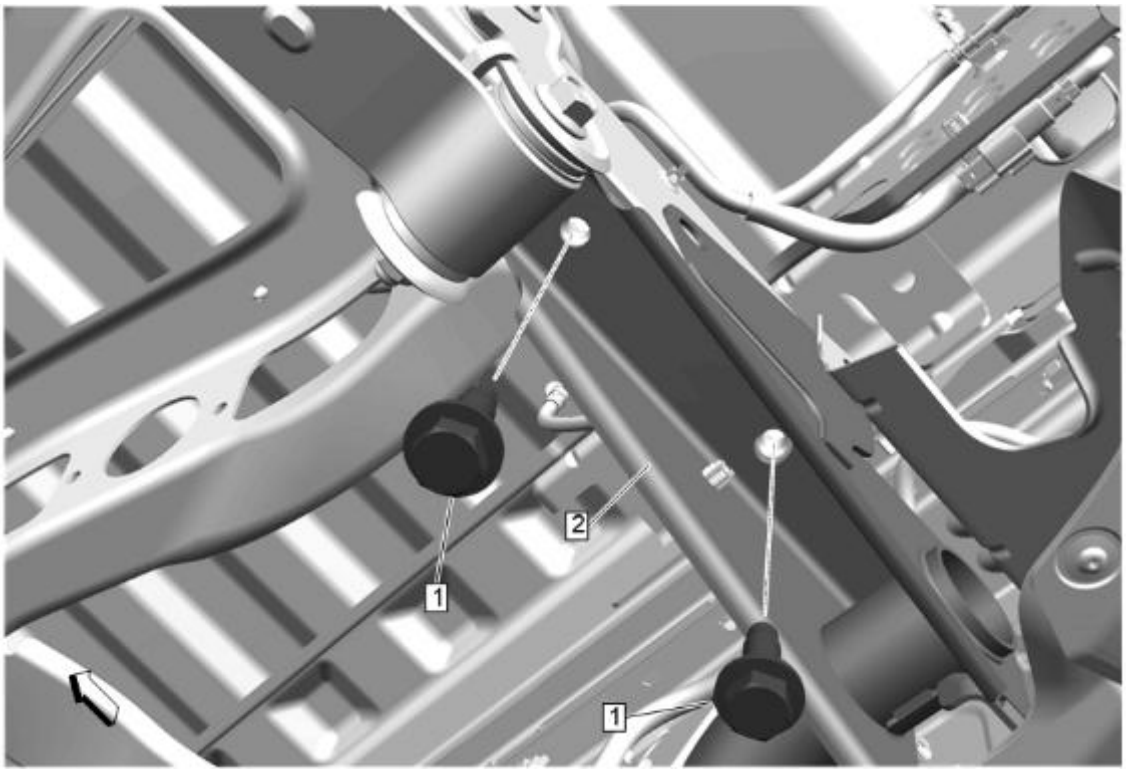
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68. With the aid of an assistant, install the rear bumper assembly (1) to the vehicle (2). Suitably support the rear bumper.



69. Install the previously retained bolts (1) to the rear bumper bracket (2). Repeat for opposite side.

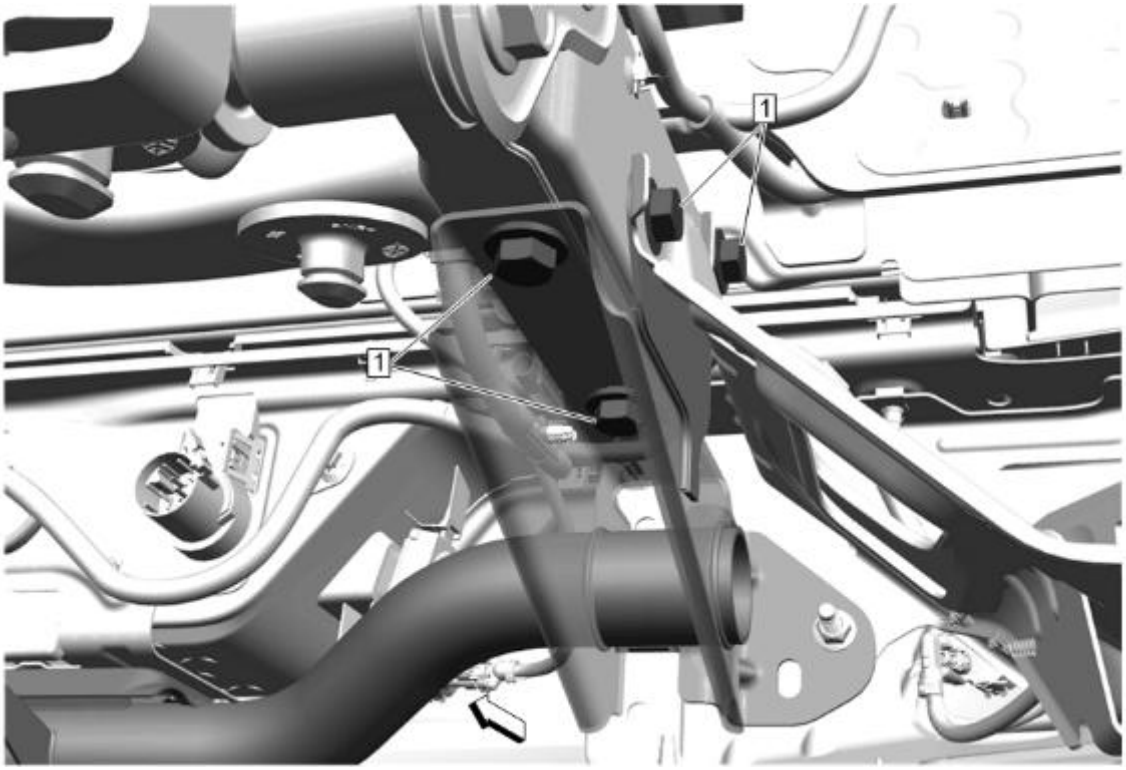
    Note: Only hand tighten bolts at this stage in order to install and adjust rear bumper.



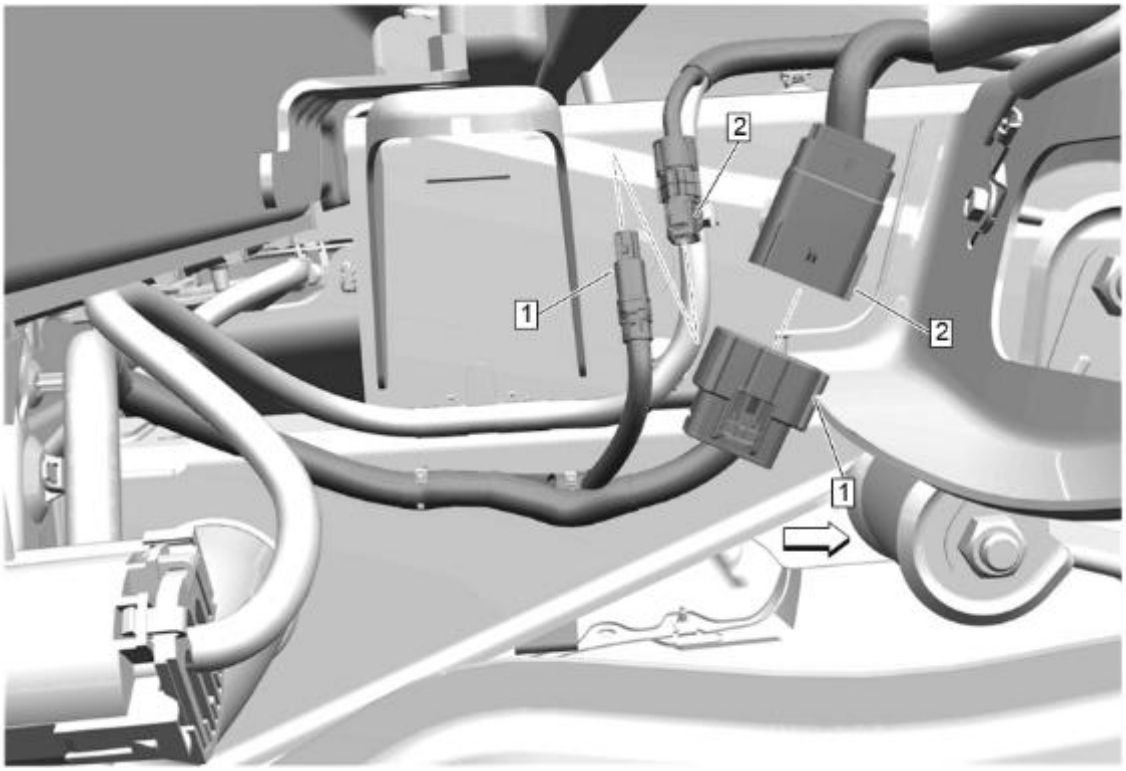
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70. Install the previously retained bolts (1) to the rear bumper (2). Repeat for opposite side.

    Note: Only hand tighten bolts at this stage in order to install and adjust rear bumper.

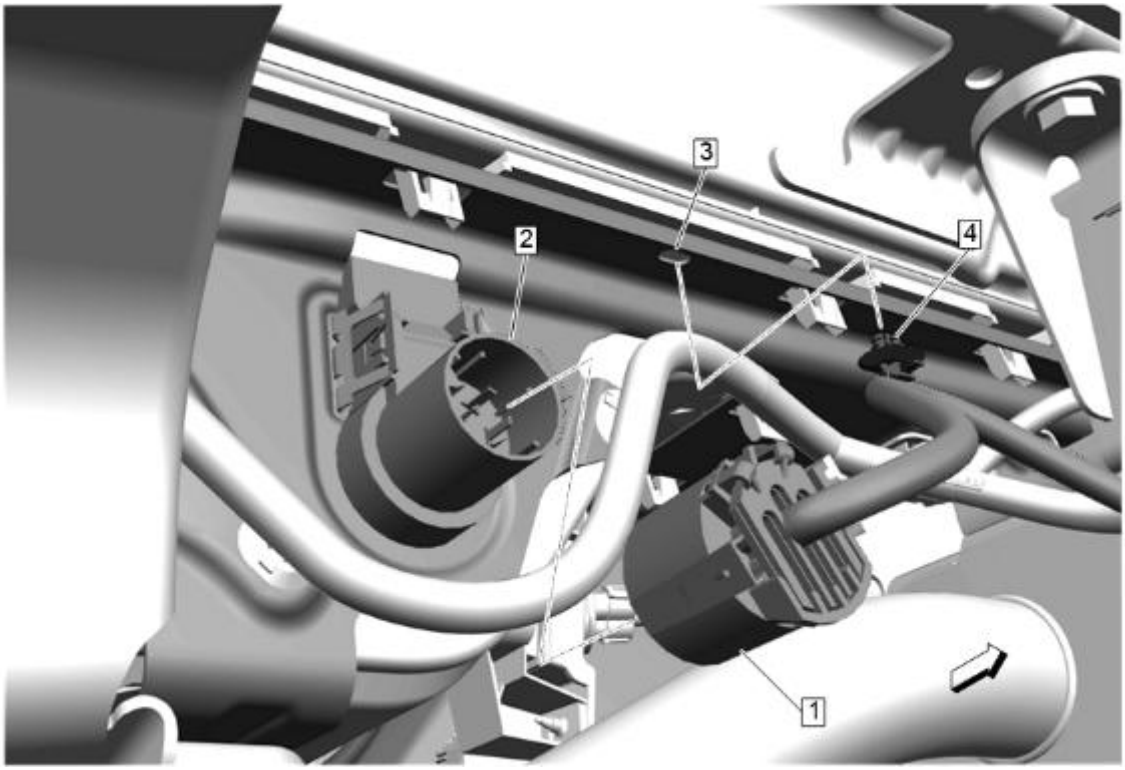


71. Adjust the rear bumper and tighten the bolts (1) to 160 N.m (118 lb ft). Repeat for opposite side.



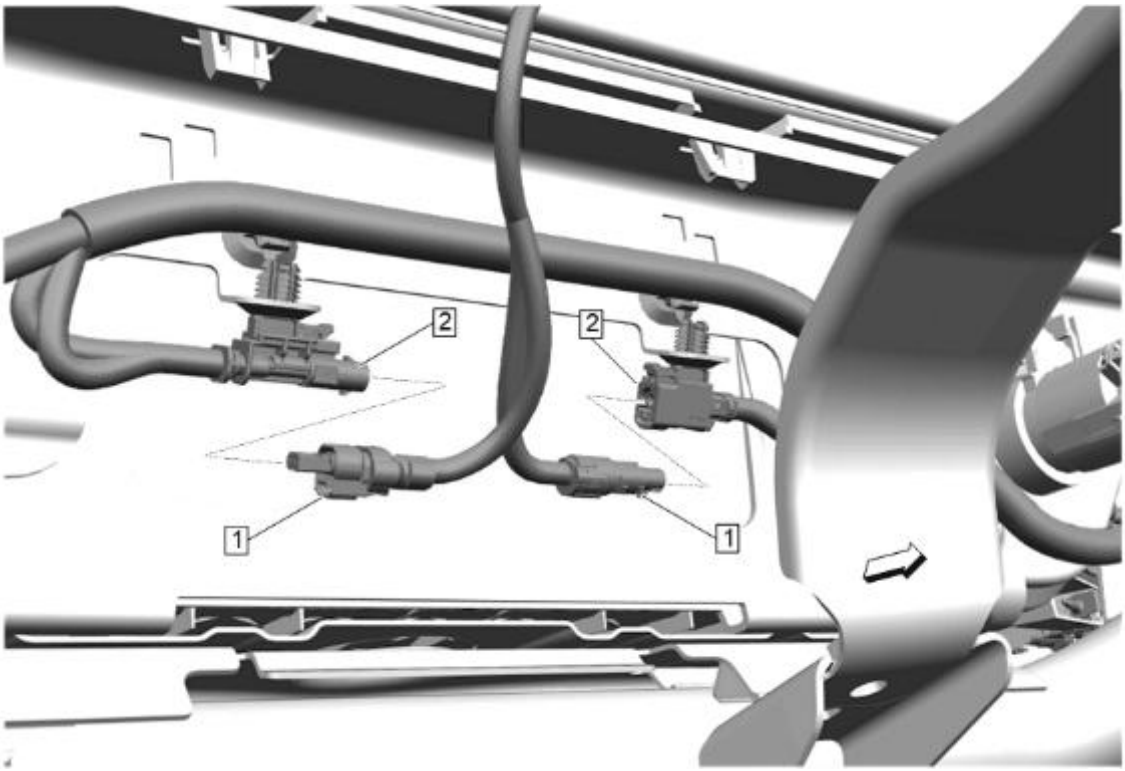
72. Connect the bumper harness connectors (1) to the frame harness connectors (2).

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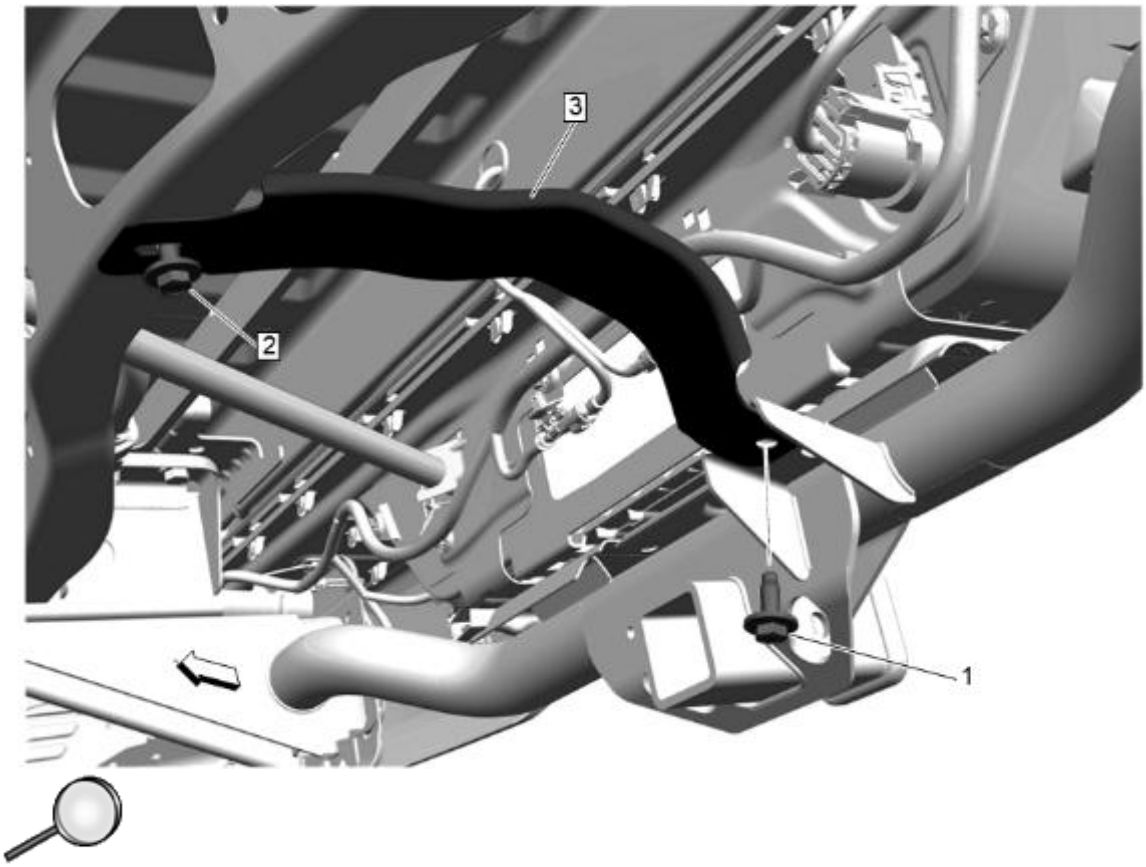


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73. Connect the 7-way harness connector (1) to the 7-way connector (2), make sure connector is fully seated.
74. Engage the harness retainer (4) to the rear bumper (3).



75. Connect the endgate connectors (1) to the bumper harness connectors (2).
76. Ensure that the harness does not come in contact with any sharp edges.



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77. Reinstall the bolt (1) securing the spare tire bracket (3) to the platform assembly – trailer hitch.
78. Tighten spare tire bracket bolts to 22 N.m (16 lb ft).
79. Raise and secure the spare tire.
80. Lower the vehicle.