

2022 CHEVROLET CORVETTE SERVICE MANUAL

- [SEARCH](#)

1. [HVAC](#)

2. [Heating, Ventilation, and Air Conditioning](#)

3. [Repair Instructions](#)

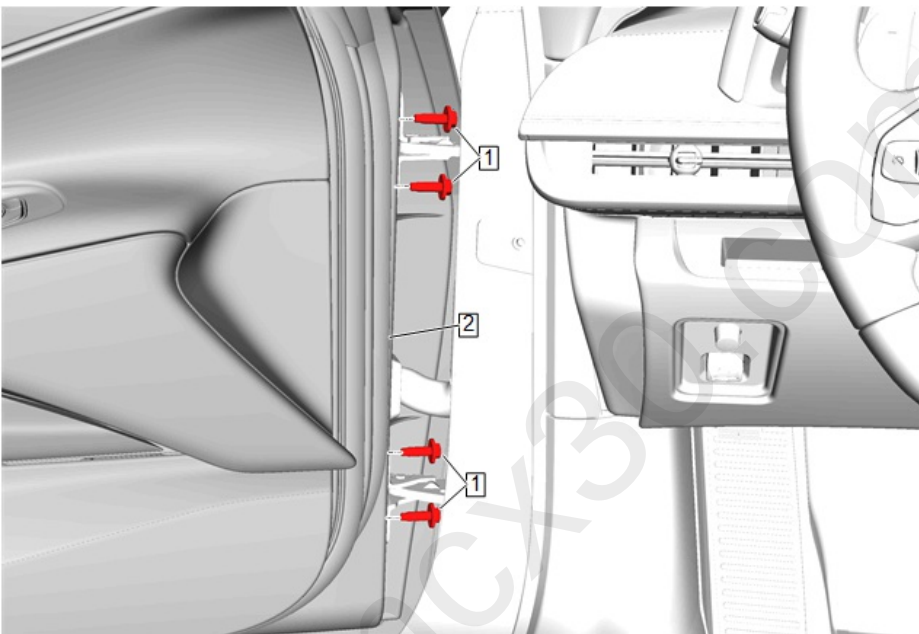
4.

Air Inlet Housing Replacement

Single Use Fasteners and Components

- Air Conditioning Sealing Washer - Large
- Air Conditioning Sealing Washer - Small

Removal Procedure

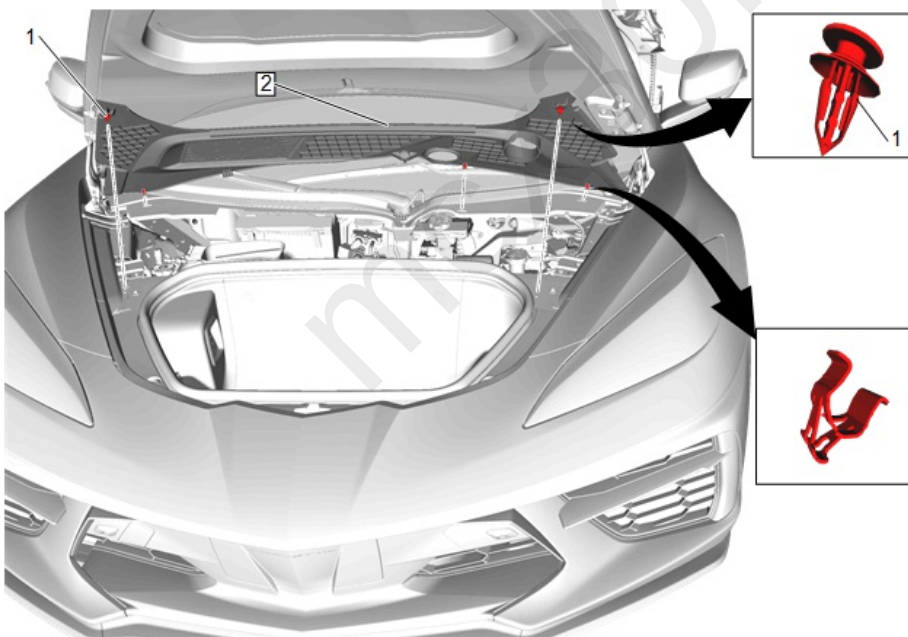


1. [Click here for full size](#)
2. Remove the left door (2) only. Front Side Door Replacement



3.
[Click here for full size](#)

4. Remove the left and right front seats (2). Front Seat Removal and Installation



5.
[Click here for full size](#)

6. Front Compartment Rear Access Cover (2) >>> Remove - Front Compartment Rear Access Cover Replacement

7. Recover the refrigerant. Refrigerant Recovery and Recharging

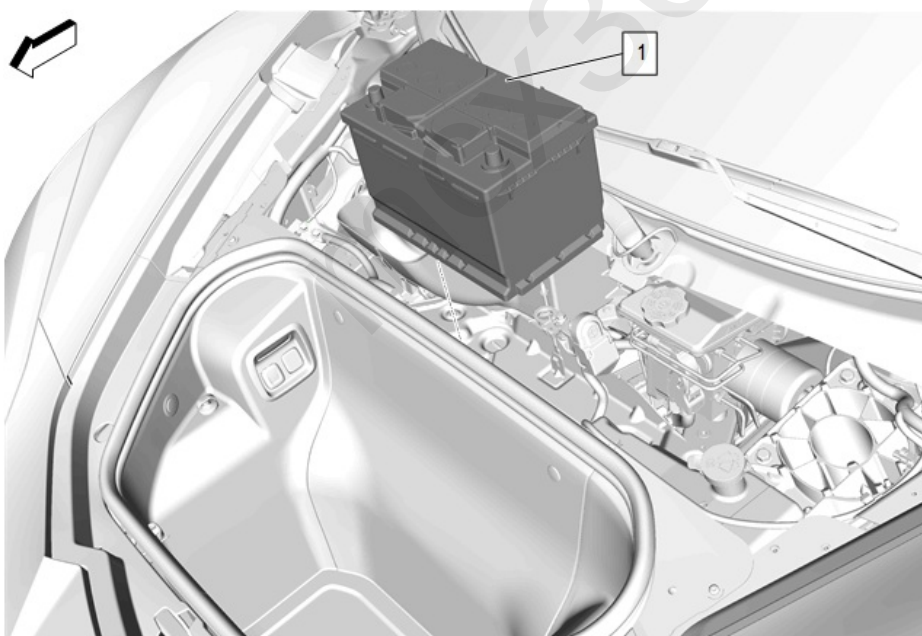
8. Drain the cooling system. Cooling System Draining and Filling



9.
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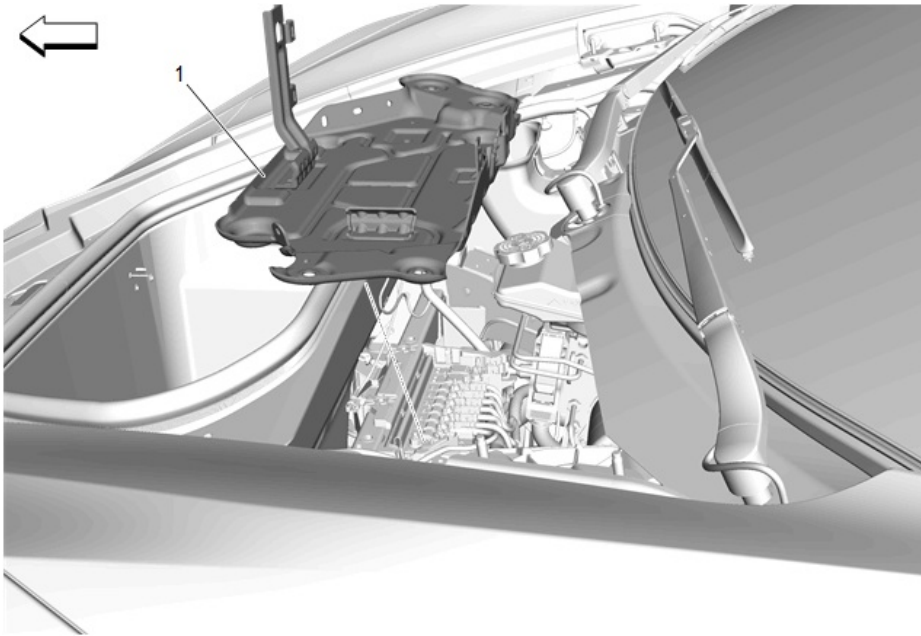
10. Front Compartment Front Panel (1) >> Remove - Front Compartment Front Panel Replacement

11. Disconnect the negative battery cable. Battery Negative Cable Disconnection and Connection



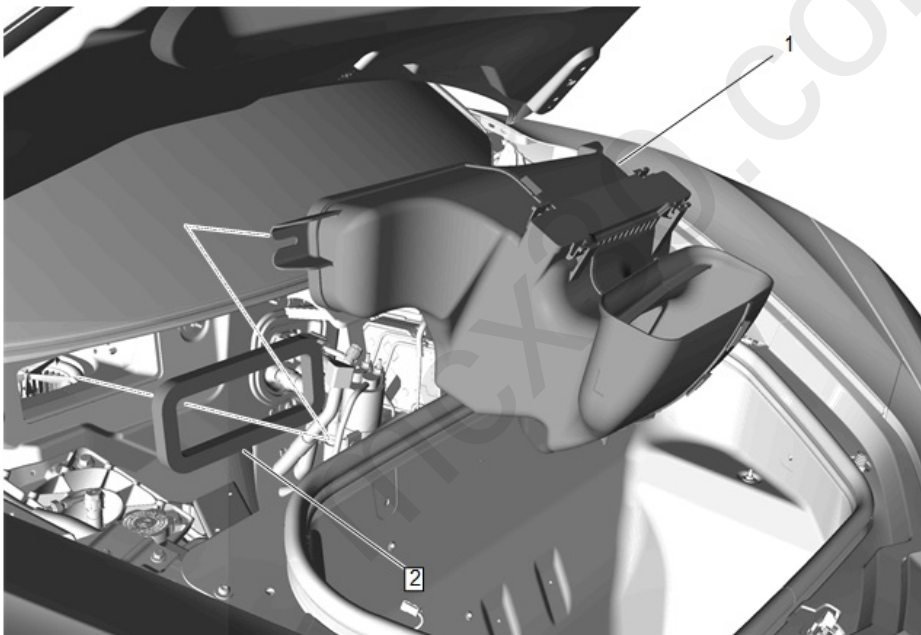
12.
[Click here for full size](#)

13. Battery (1) >> Remove - Battery Replacement



14.
[Click here for full size](#)

15. Battery Tray (1) >>> Remove - Battery Tray Replacement



16.
[Click here for full size](#)

17. Air Inlet Housing Front Panel (1) >>> Remove - Air Inlet Housing Front Panel Replacement

18. [Click here for full size](#)

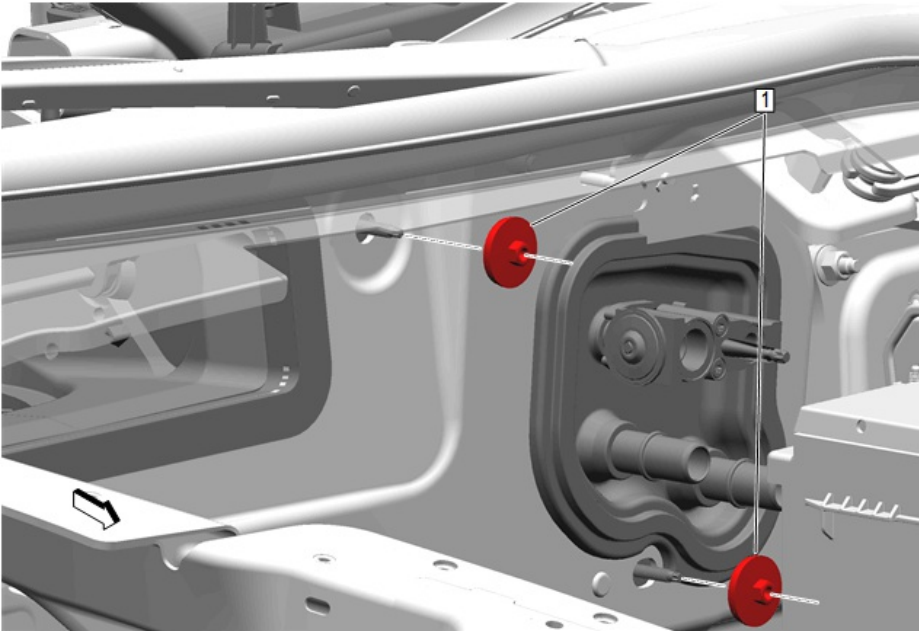
19. Air Conditioning Condenser and Evaporator Hose Fitting Nut (1) >>> Remove

20. Air Conditioning Evaporator Thermal Expansion Valve Stud (2) >>> Remove

21. Remove the air conditioning condenser and air conditioning evaporator tube from the air conditioning evaporator thermal expansion valve and reposition to the side.

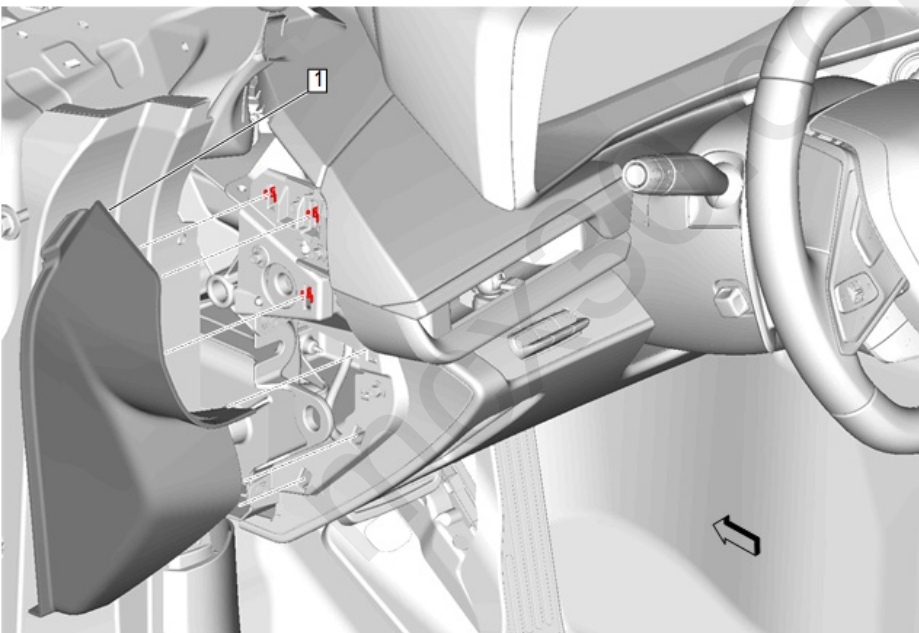
22. Radiator Inlet Hose @ Heater Core Inlet Tube >>> Remove - Radiator Inlet Hose Replacement - Radiator Inlet Pipe to A/C Tube

23. Heater Outlet Hose @ Heater Core Outlet Tube >>> Remove - Heater Outlet Hose Replacement



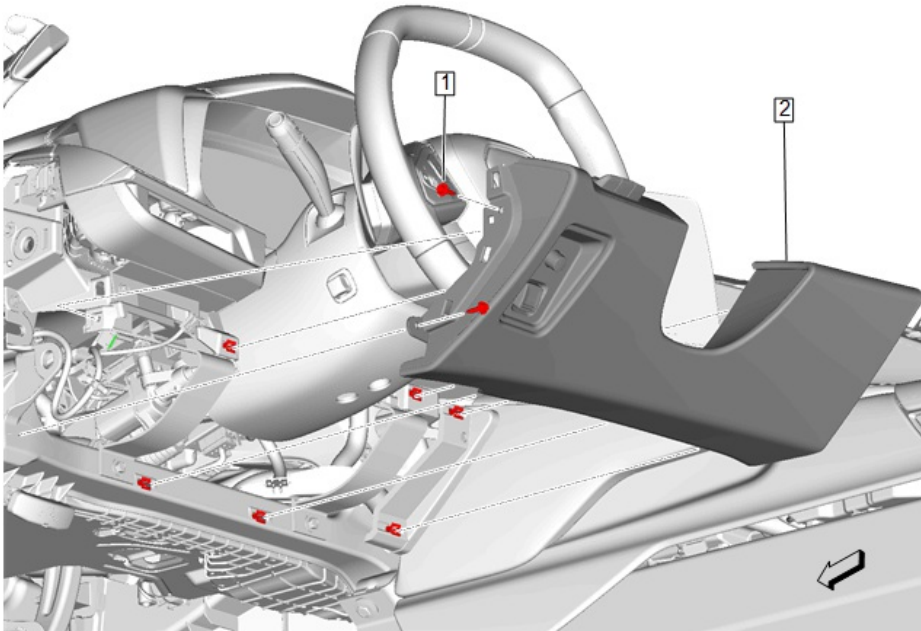
24.
[Click here for full size](#)

25. Heater and Blower Module Nut (1) >>> Remove [2x]



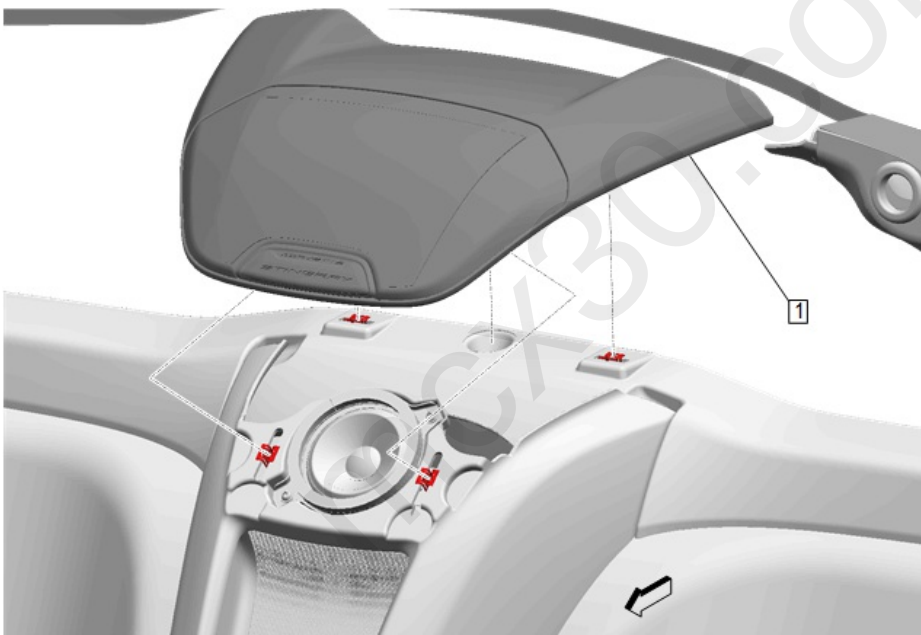
26.
[Click here for full size](#)

27. Remove the left and right instrument panel outer trim cover (1). Instrument Panel Outer Trim Cover Replacement



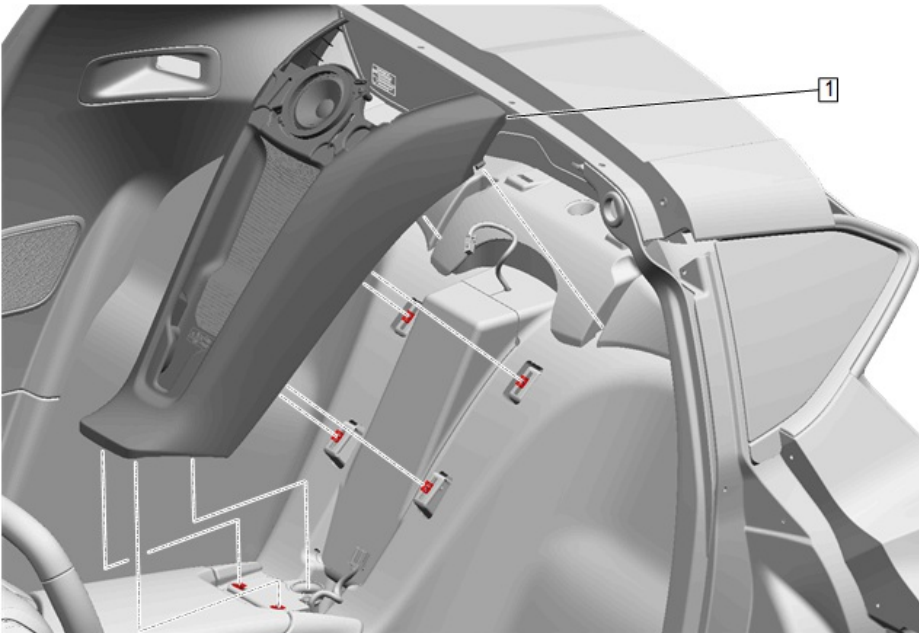
28.
[Click here for full size](#)

29. Instrument Panel Knee Bolster (2) >> Remove - Instrument Panel Knee Bolster Replacement



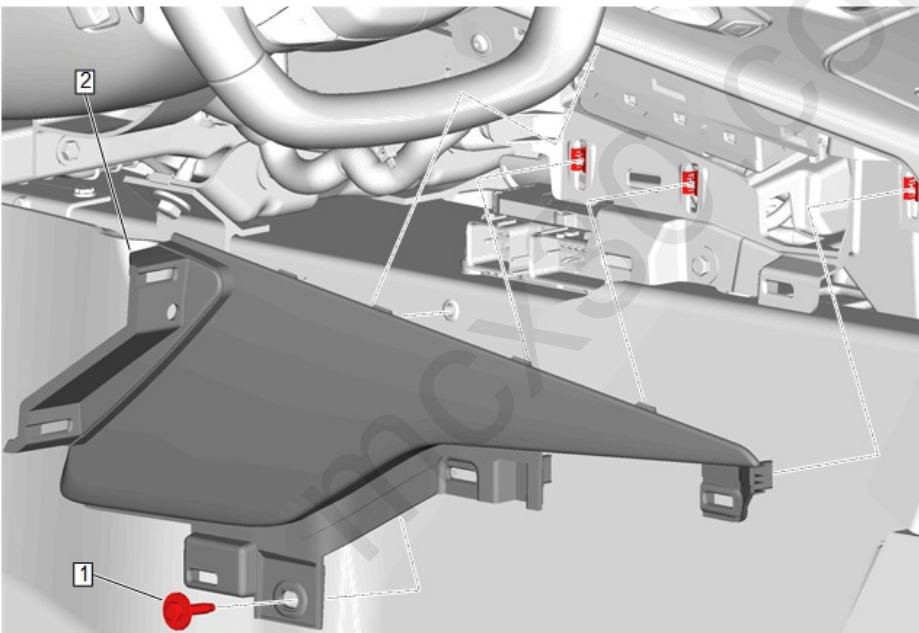
30.
[Click here for full size](#)

31. Radio Rear Quarter Trim Panel Speaker Grille (1) >> Remove - Radio Rear Quarter Trim Panel Speaker Grille Replacement



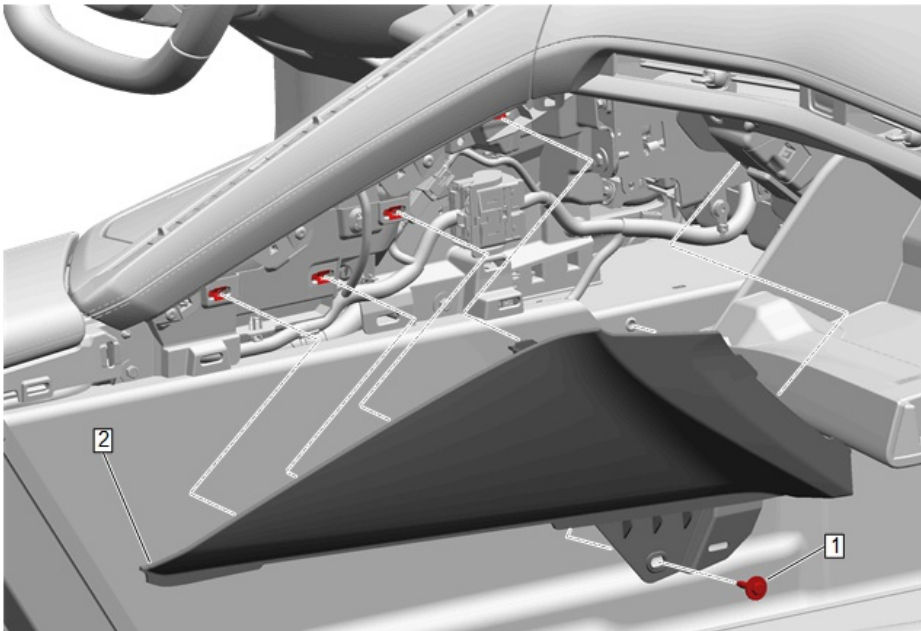
32.
[Click here for full size](#)

33. Rear Compartment Closeout Panel (1) >> Remove - Rear Compartment Closeout Panel Replacement



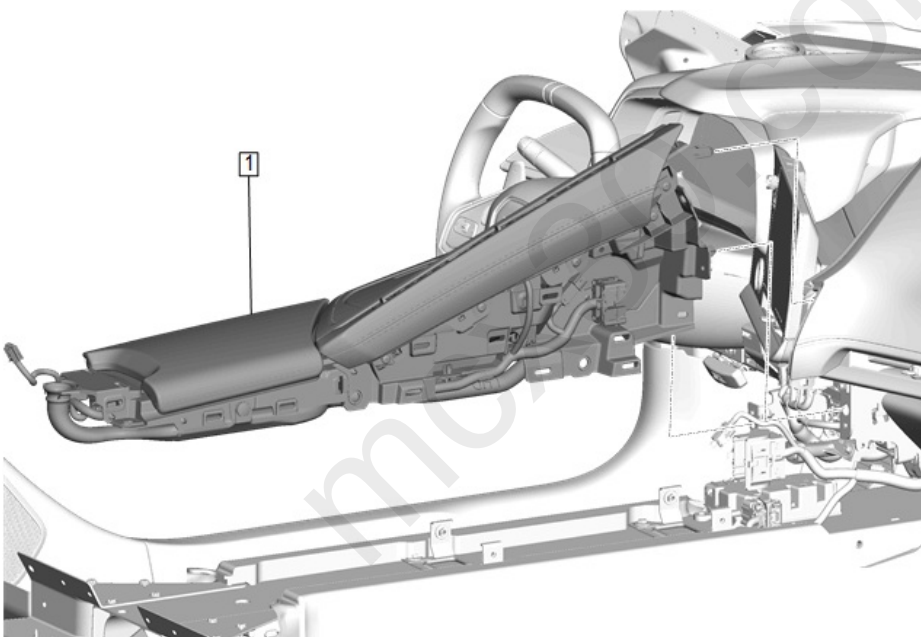
34.
[Click here for full size](#)

35. Front Floor Console Applique - Left Side (2) >> Remove - Front Floor Console Applique Replacement - Left Side



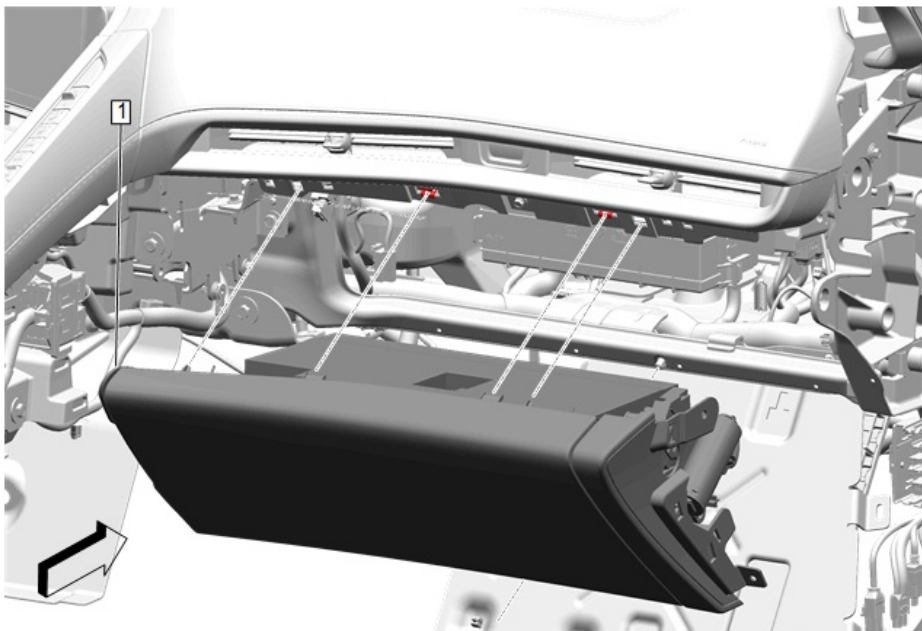
36.
[Click here for full size](#)

37. Front Floor Console Extension Panel (2) >>> Remove - Front Floor Console Extension Panel Replacement



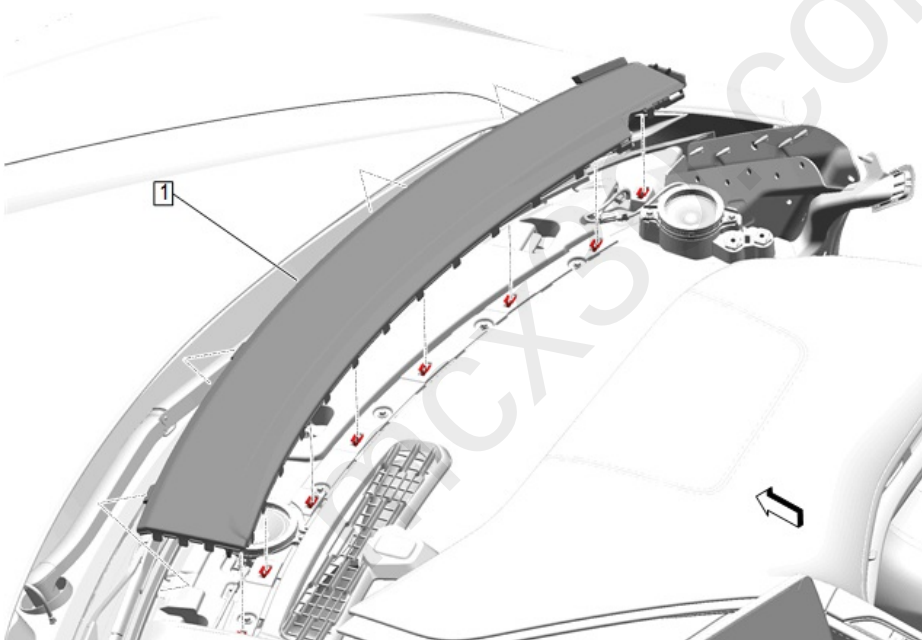
38.
[Click here for full size](#)

39. Front Floor Console Compartment (1) >>> Remove - Front Floor Console Compartment Replacement



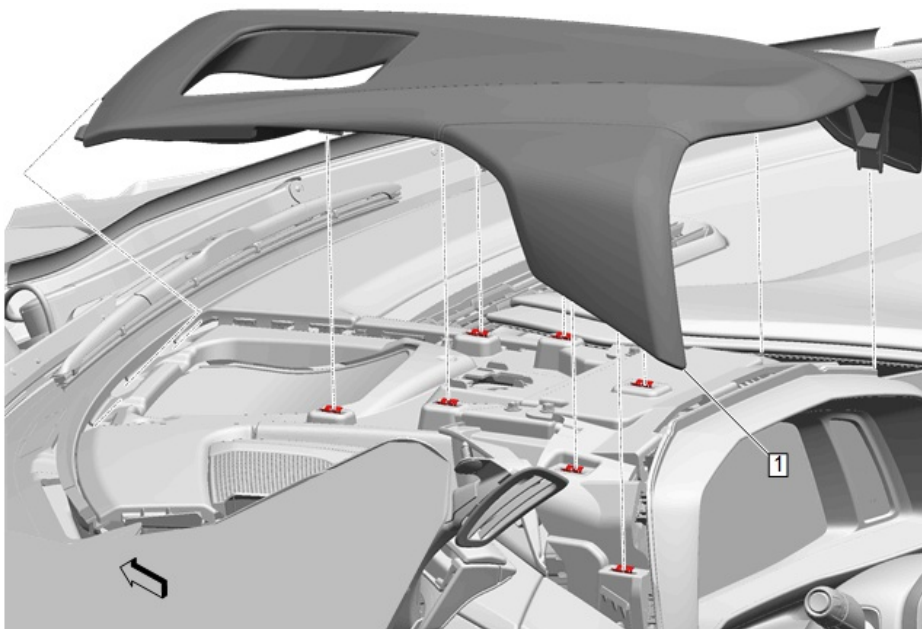
40.
[Click here for full size](#)

41. Instrument Panel Compartment (1) >> Remove - Instrument Panel Compartment Replacement



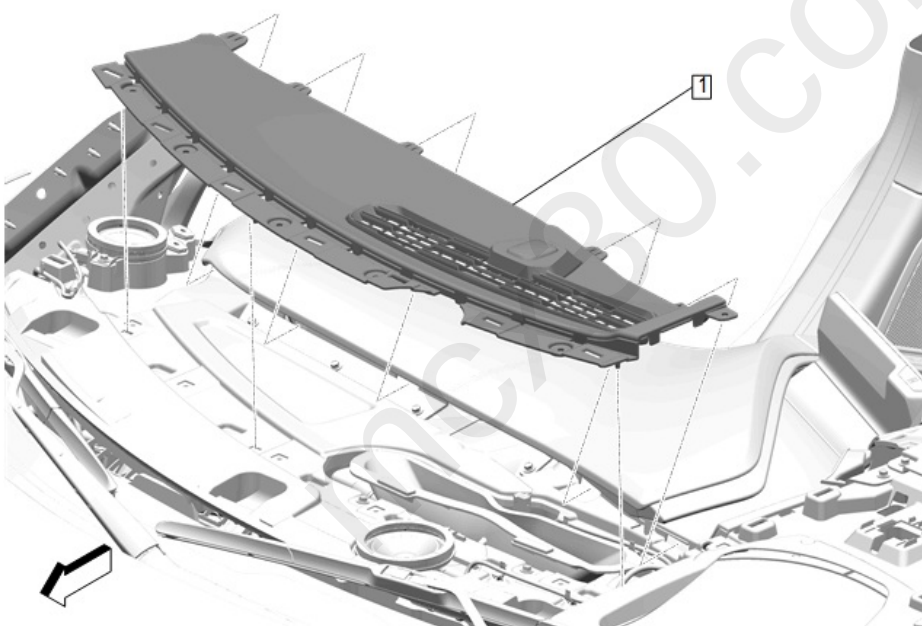
42.
[Click here for full size](#)

43. Radio Front Center Speaker Grille (1) >> Remove - Radio Front Center Speaker Grille Replacement



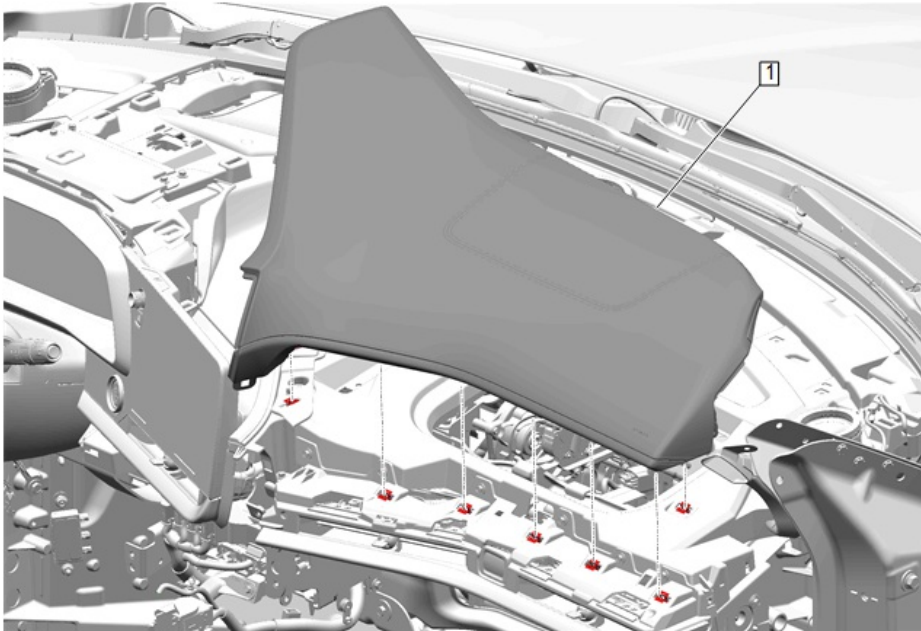
44.
[Click here for full size](#)

45. Instrument Panel Instrument Cluster Hood (1) >>> Remove - Instrument Panel Instrument Cluster Hood Replacement



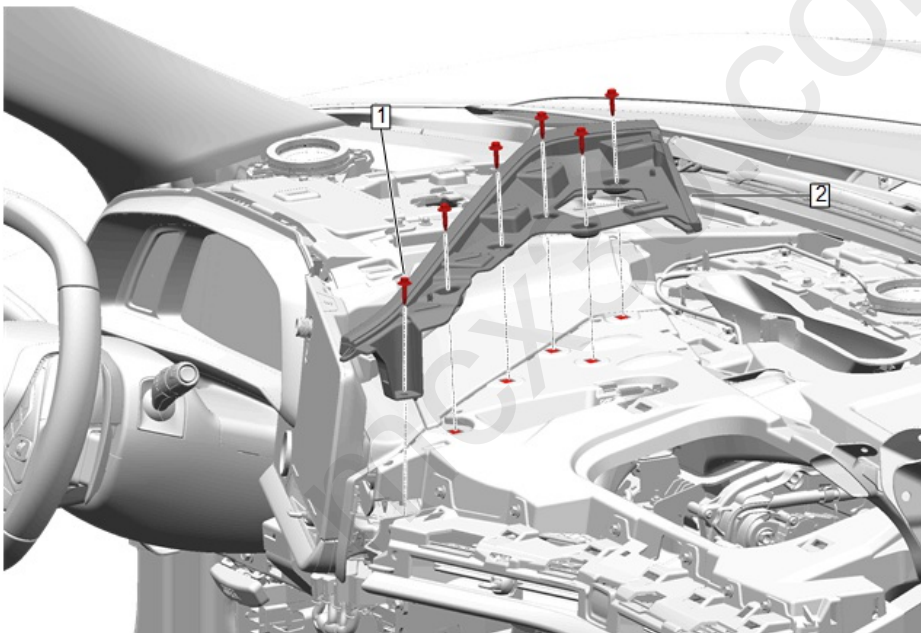
46.
[Click here for full size](#)

47. Instrument Panel Extension (1) >>> Remove - Instrument Panel Extension Replacement



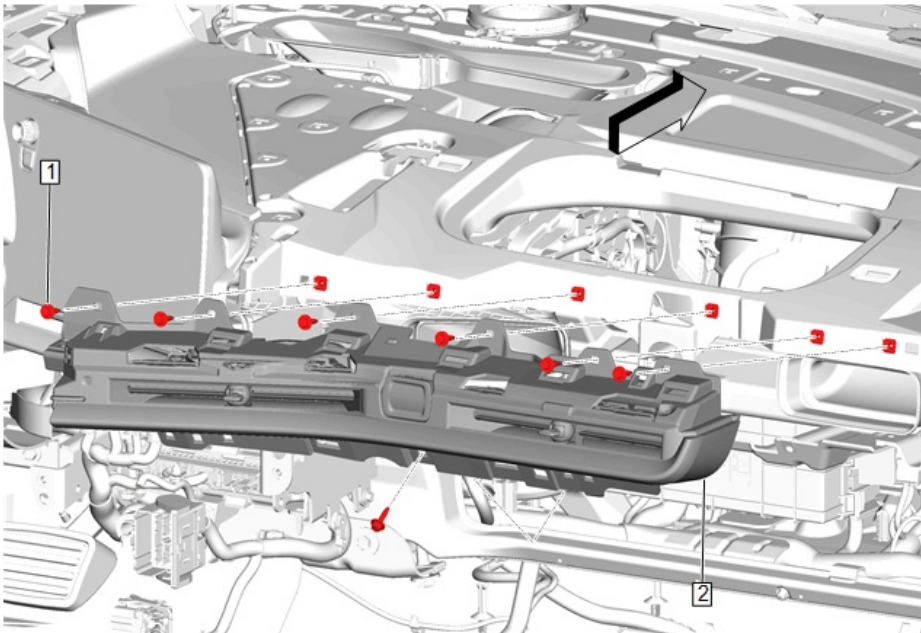
48.
[Click here for full size](#)

49. Instrument Panel Upper Trim Panel (1) >>> Remove - Instrument Panel Upper Trim Panel Replacement



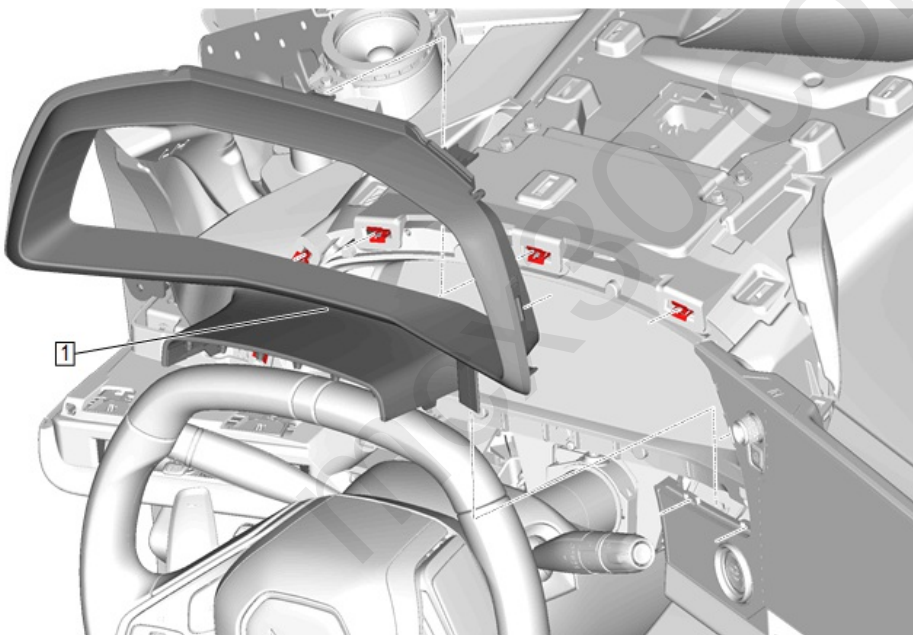
50.
[Click here for full size](#)

51. Instrument Panel Trim Pad (2) >>> Remove - Instrument Panel Trim Pad Replacement



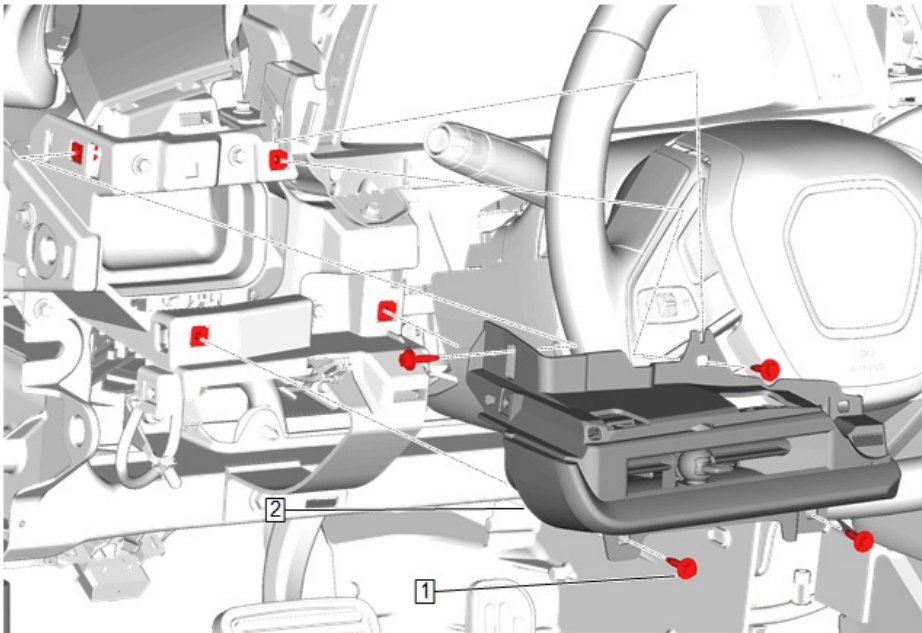
52.
[Click here for full size](#)

53. Instrument Panel Air Outlet Bezel - Right Side (2) >> Remove - Instrument Panel Air Outlet Bezel Replacement - Right Side



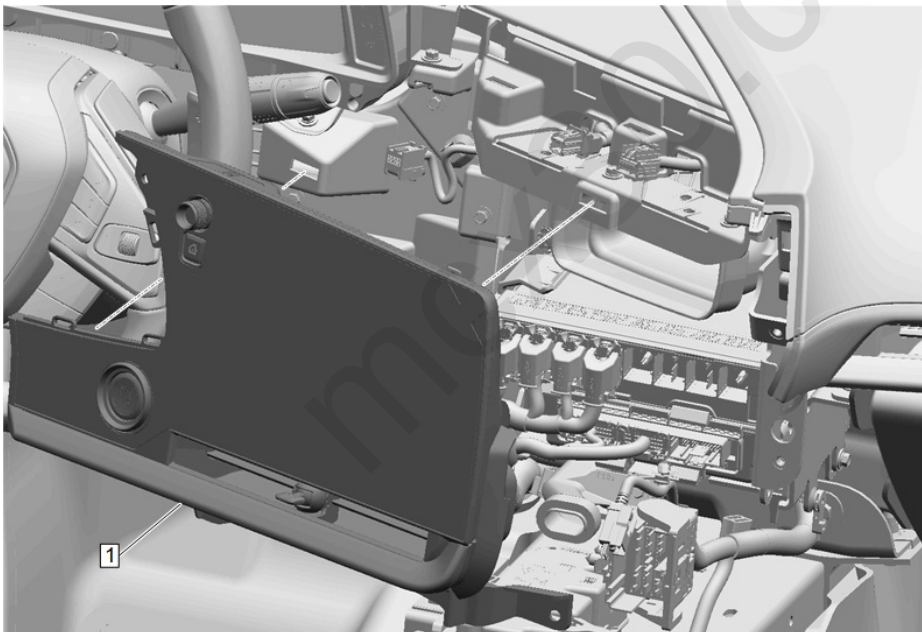
54.
[Click here for full size](#)

55. Instrument Panel Cluster Trim Plate (1) >> Remove - Instrument Panel Cluster Trim Plate Replacement



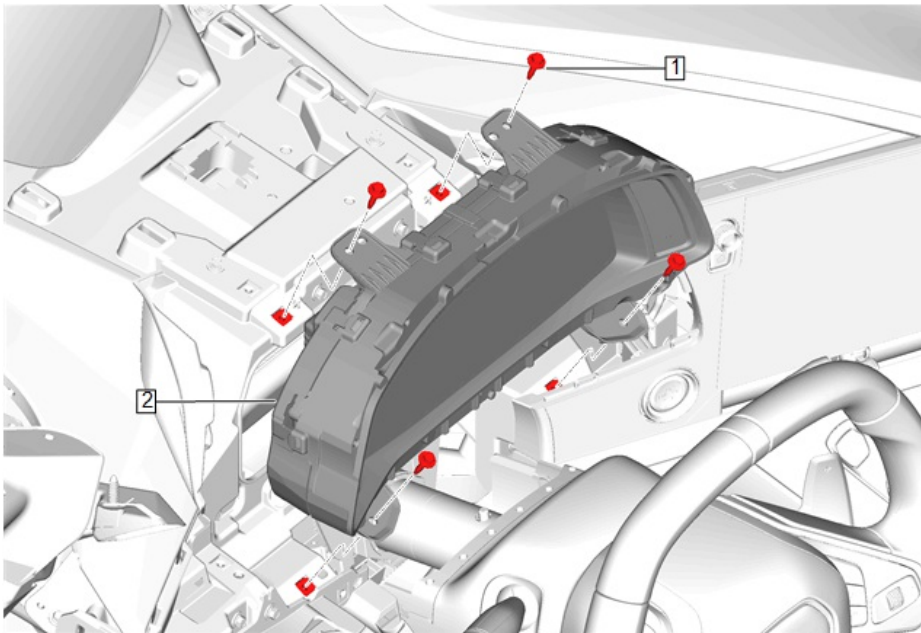
56.
[Click here for full size](#)

57. Instrument Panel Air Outlet Bezel - Left Side (2) >> Remove - Instrument Panel Air Outlet Bezel Replacement - Left Side



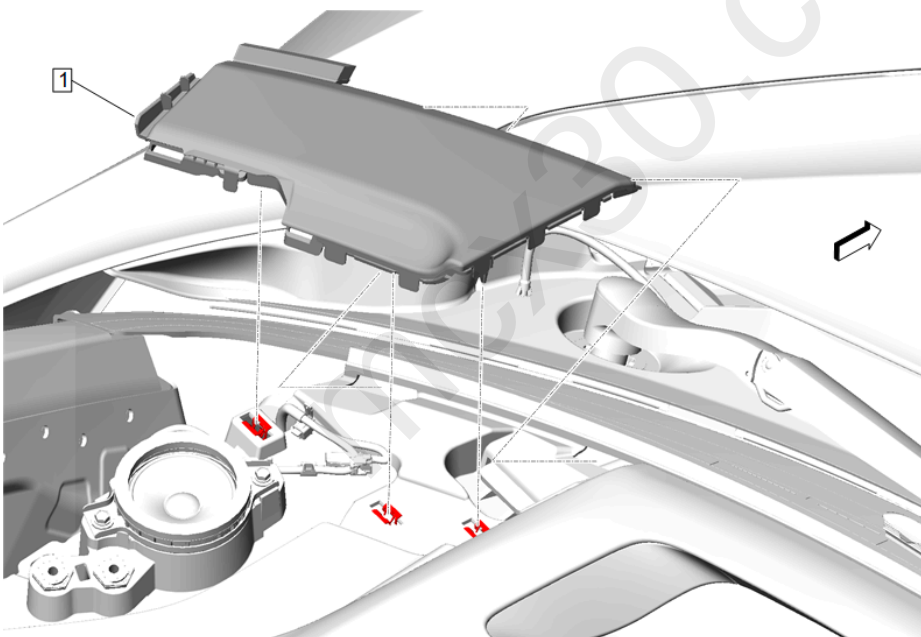
58.
[Click here for full size](#)

59. Radio Control (1) >> Remove - Radio Control Replacement



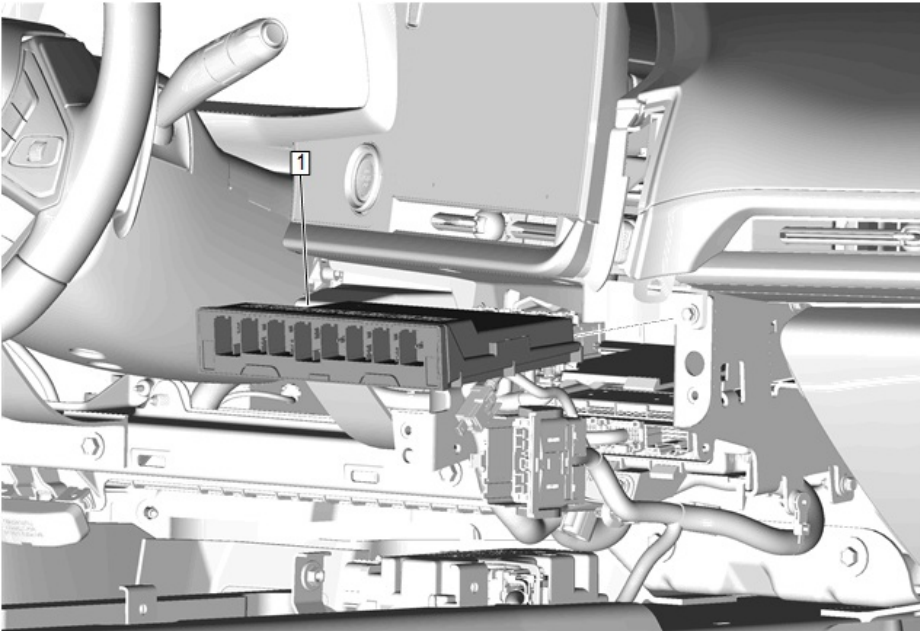
60.
[Click here for full size](#)

61. Instrument Cluster (2) >> Remove - Instrument Cluster Replacement



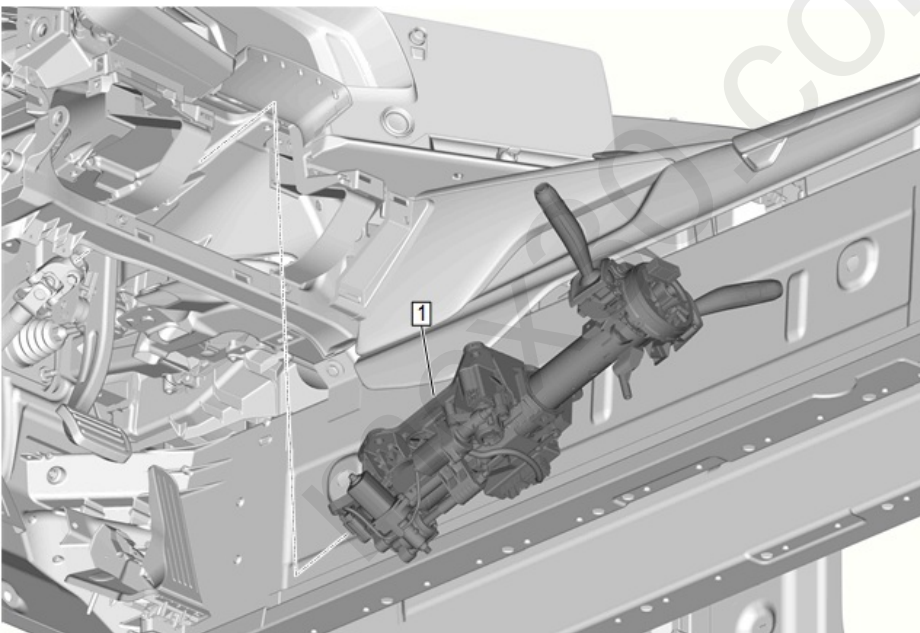
62.
[Click here for full size](#)

63. Instrument Panel Upper Trim Panel Cover (1) >> Remove - Instrument Panel Upper Trim Panel Cover Replacement



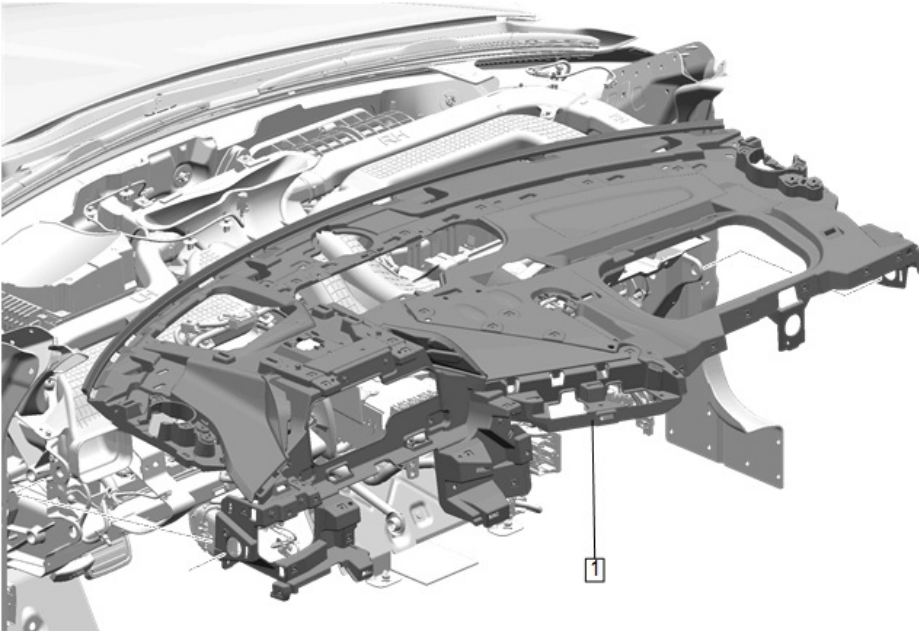
64.
[Click here for full size](#)

65. Body Control Module (1) >> Remove - Body Control Module Replacement

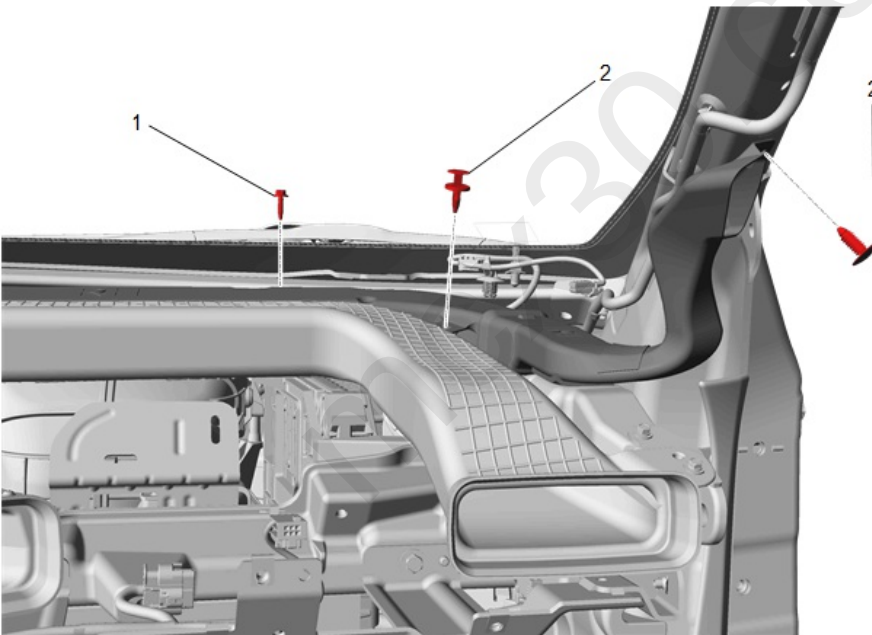


66.
[Click here for full size](#)

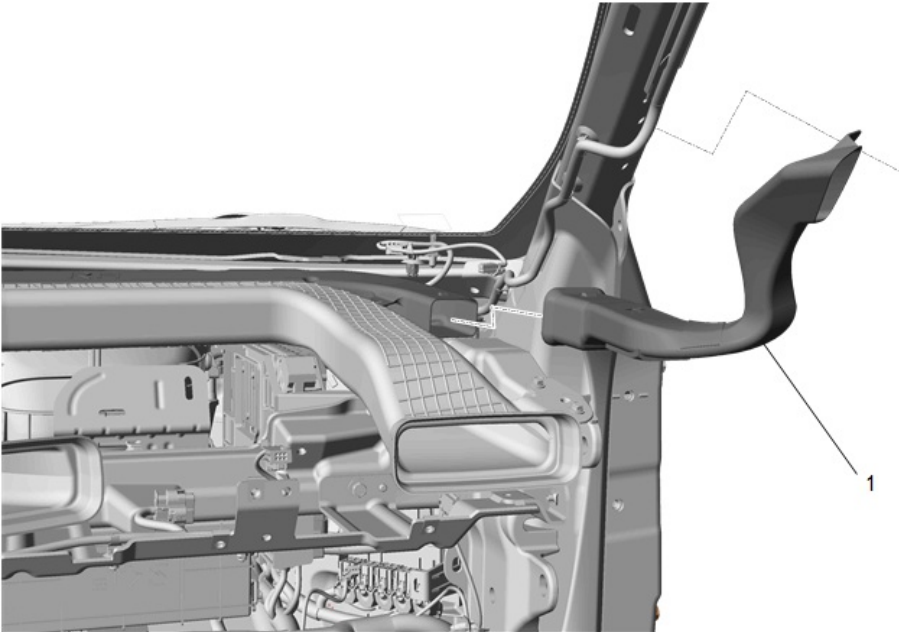
67. Steering Column (1) >> Remove - Steering Column Replacement



68. [Click here for full size](#)
69. Instrument Panel Carrier (1) >> Remove - Instrument Panel Carrier Replacement
70. With the aid of an assistant, remove the instrument panel carrier assembly from the vehicle. (1)



71. [Click here for full size](#)
72. Side Window Defogger Outlet Duct Bolt (1) >> Remove
73. Side Window Defogger Outlet Duct Retainer (2) >> Remove [2x]



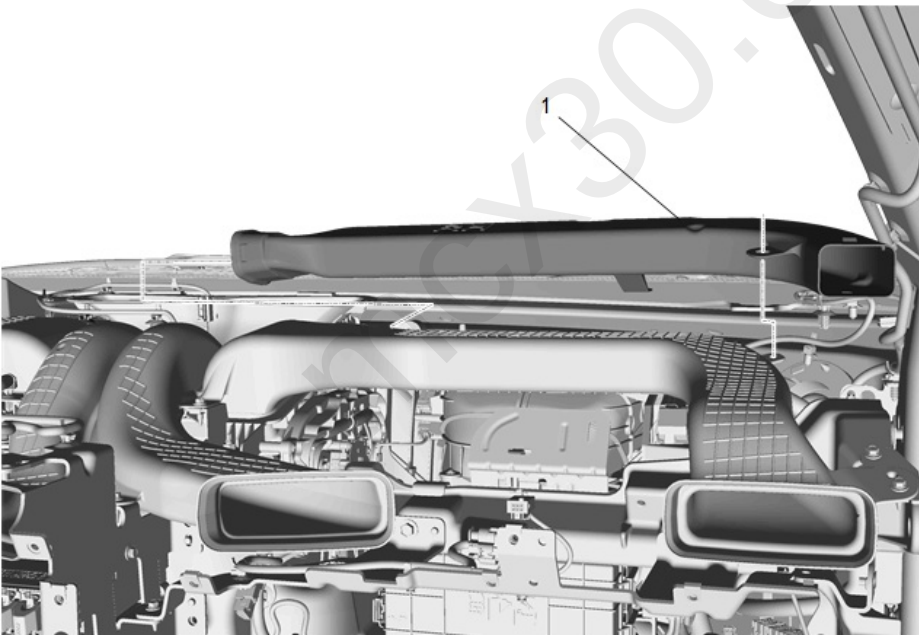
74.

[Click here for full size](#)

75. Side Window Defogger Outlet Outer Duct - Right Side (1) >> Remove

76. [Click here for full size](#)

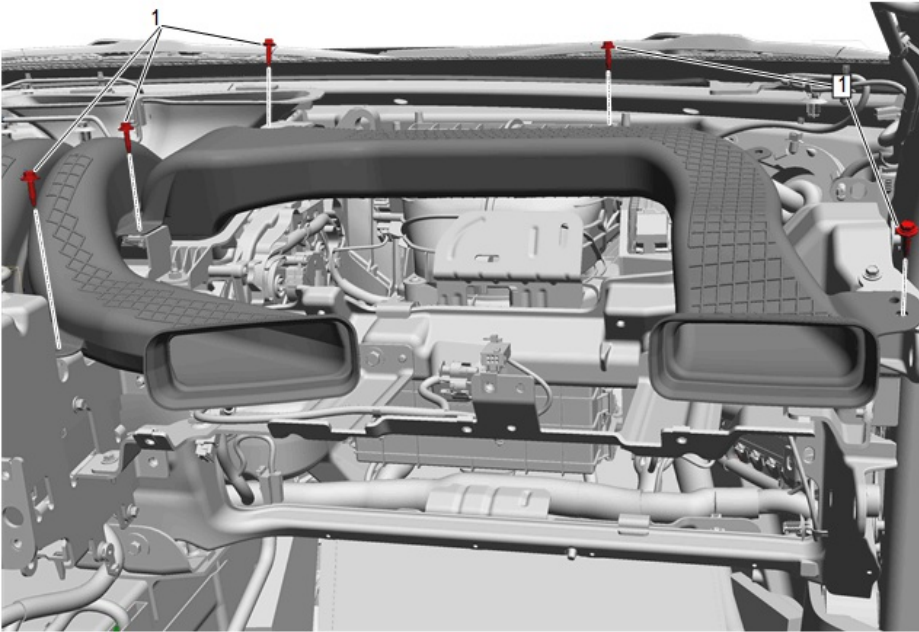
77. Instrument Panel Wiring Harness Retainer (1) @ Side Window Defogger Outlet Outer Duct - Right Side >> Remove



78.

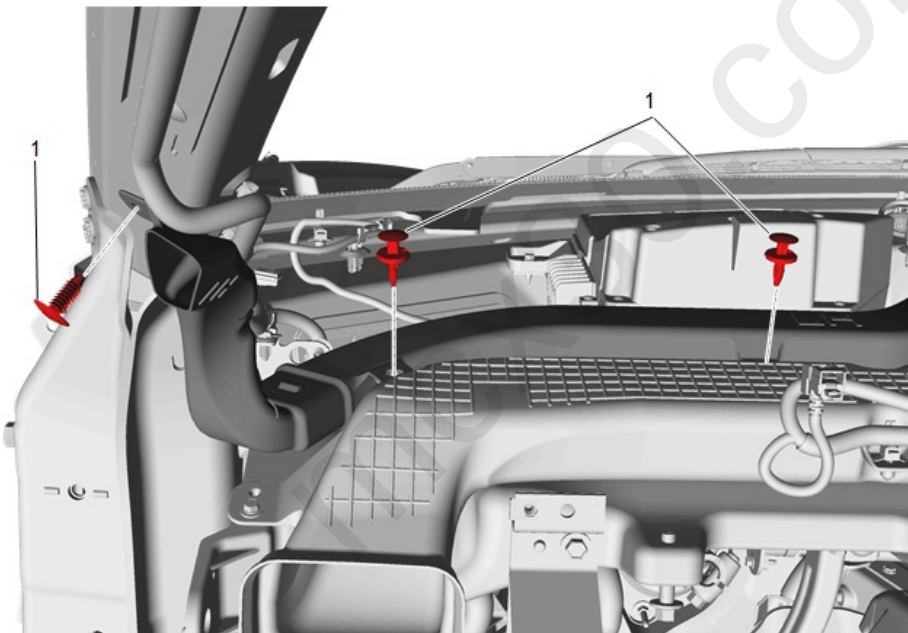
[Click here for full size](#)

79. Side Window Defogger Outlet Outer Duct - Right Side (1) >> Remove



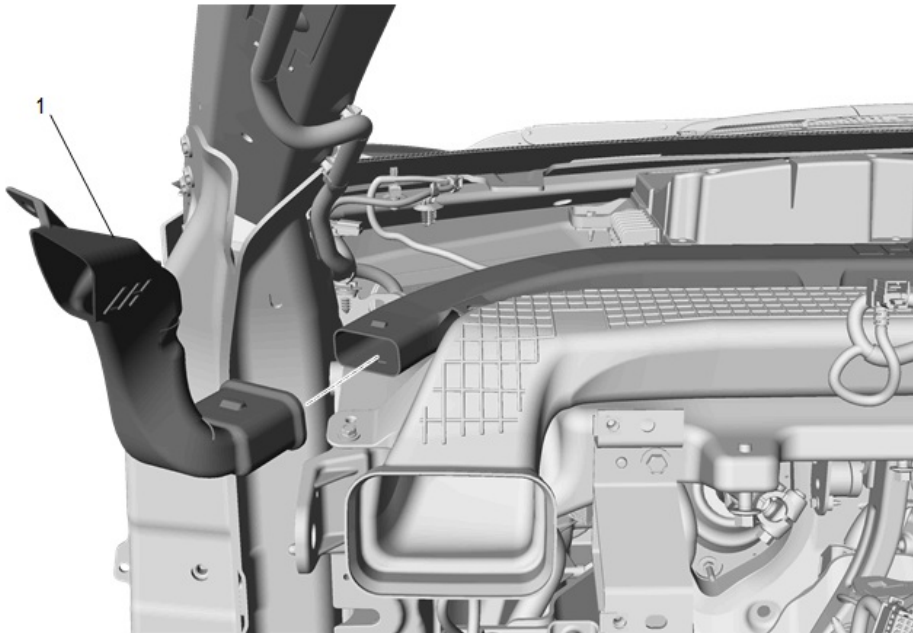
80.
[Click here for full size](#)

81. Instrument Panel Outer Air Outlet Duct Bolt (1) >> Remove [5x]



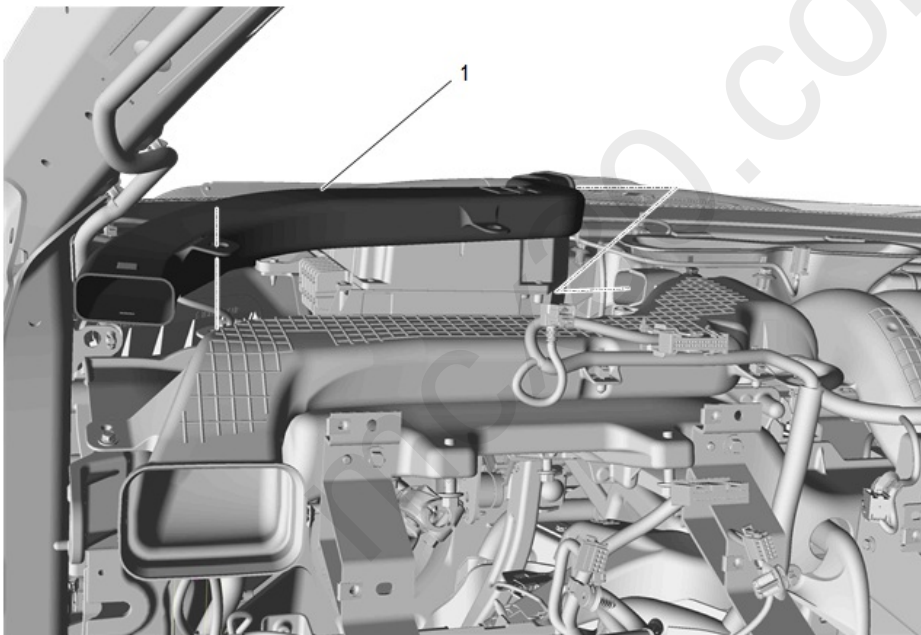
82.
[Click here for full size](#)

83. Side Window Defogger Outlet Duct Retainer (1) >> Remove [3x]



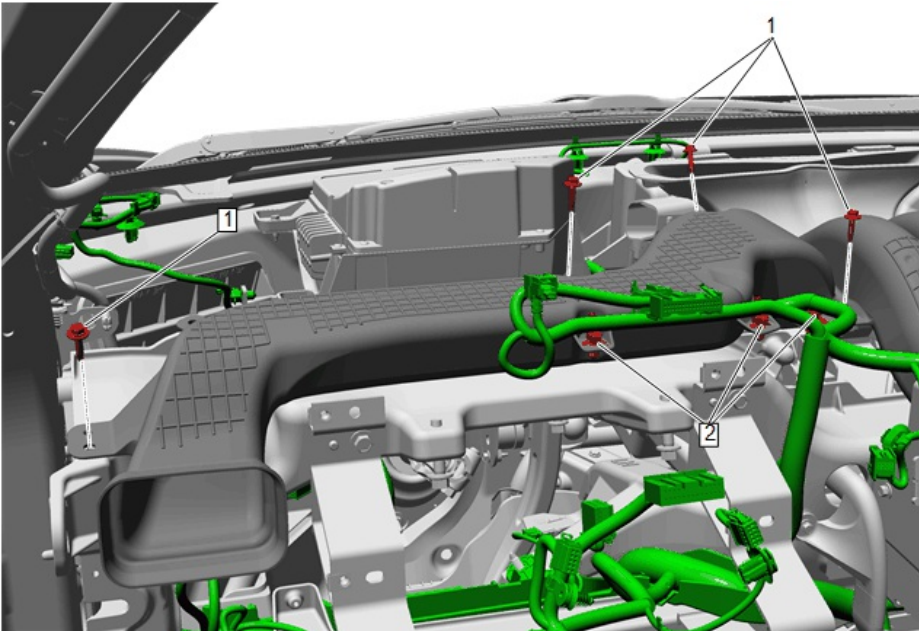
84.
[Click here for full size](#)

85. Side Window Defogger Outlet Duct - Left Side (1) >> Remove

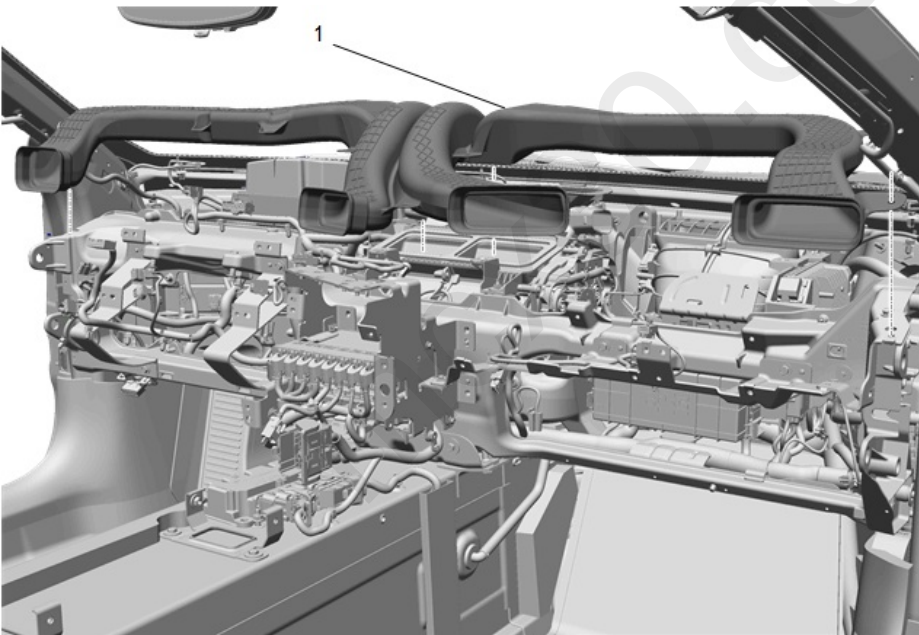


86.
[Click here for full size](#)

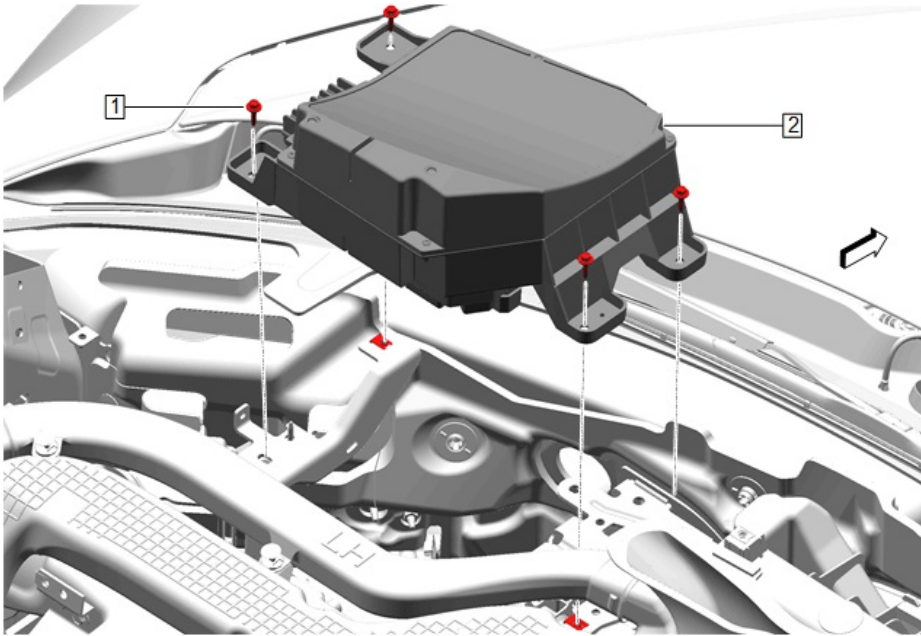
87. Side Window Defogger Outlet Duct - Left Side (1) >> Remove



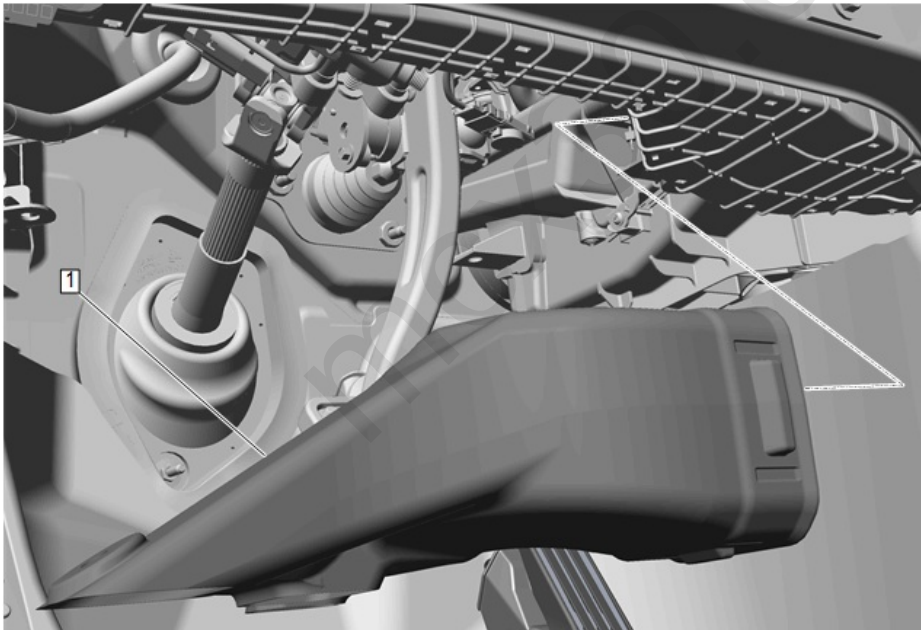
88. [Click here for full size](#)
89. Instrument Panel Outer Air Outlet Duct Bolt (1) >> Remove [4x]
90. Wiring Harness Retainer (2) @ Instrument Panel Outer Air Outlet Duct >> Remove [3x]



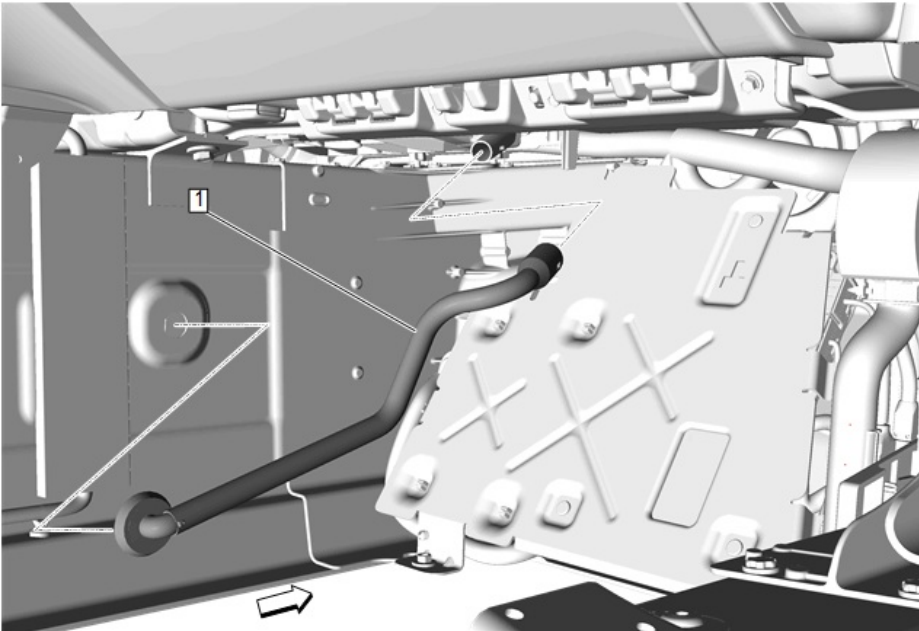
91. [Click here for full size](#)
92. Instrument Panel Outer Air Outlet Duct (1) >> Remove



93. [Click here for full size](#)
94. Head-Up Display Bolt (1) >> Remove [4x]
95. Head-Up Display (2) >> Remove
96. Disconnect the electrical connectors.

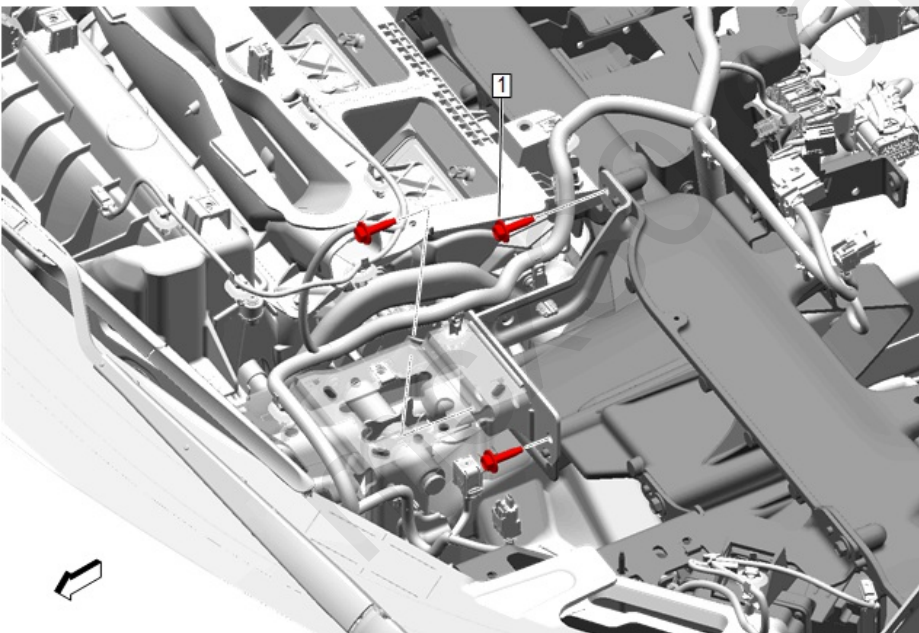


97. [Click here for full size](#)
98. Floor Front Air Outlet Duct - Left Side (1) >> Remove - Floor Front Air Outlet Duct Replacement - Left Side



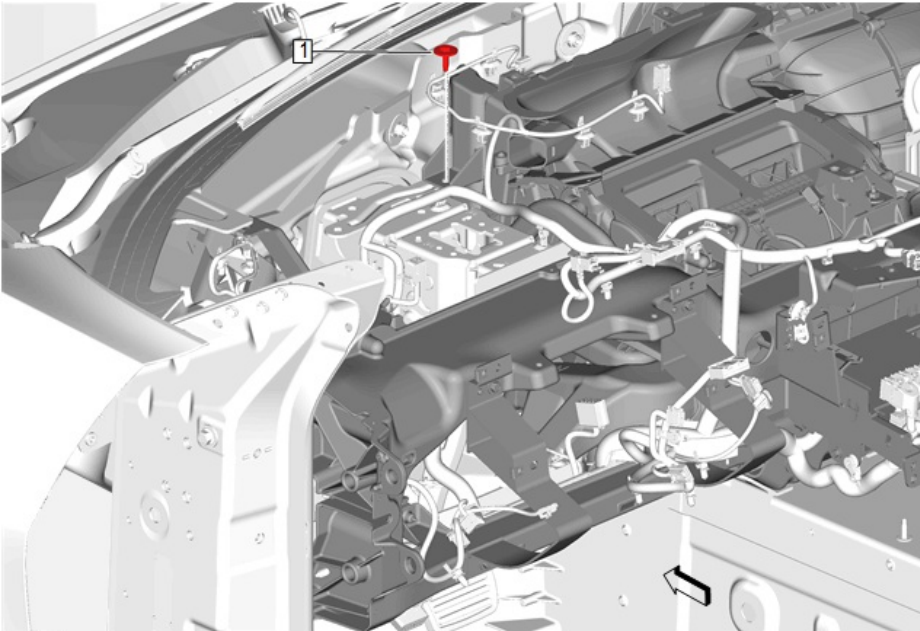
99.
[Click here for full size](#)

100. Air Conditioning Evaporator Case Drain Tube (1) @ Heater and Air Conditioning Evaporator and Blower Module >> Remove



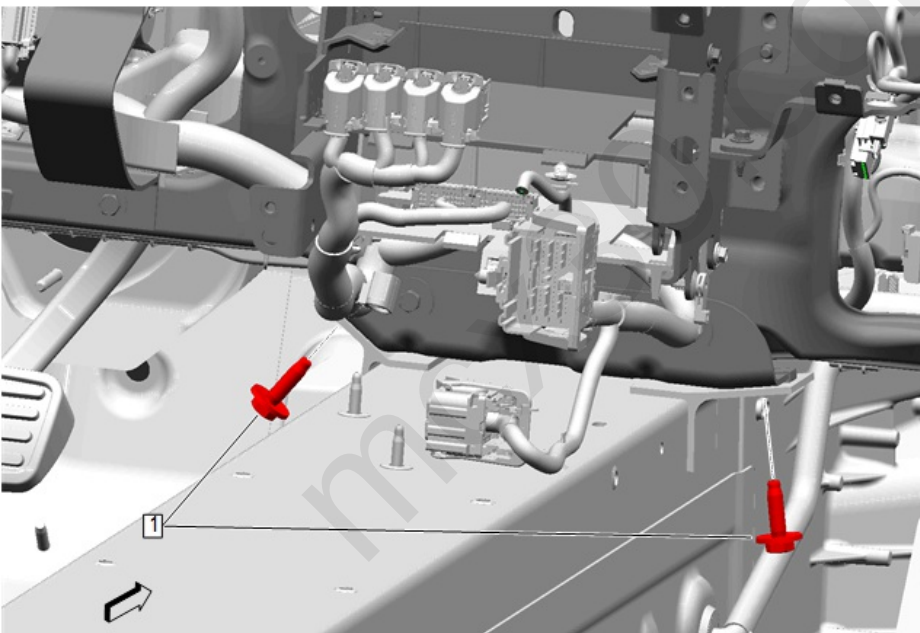
101.
[Click here for full size](#)

102. Brake and Accelerator and Clutch Pedal Bracket Bolt (1) >> Remove [3x]



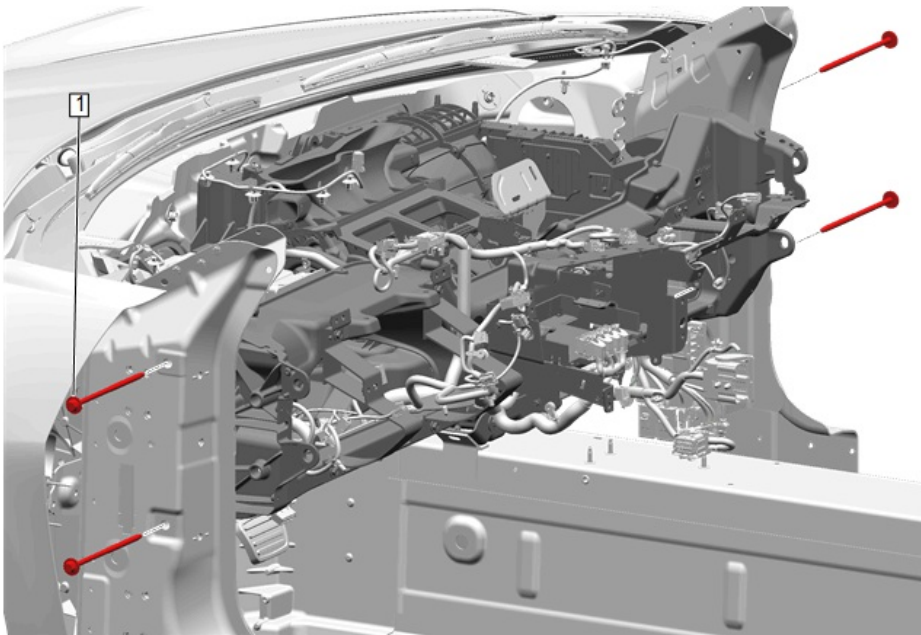
103.
[Click here for full size](#)

104. Heater and Air Conditioning Evaporator and Blower Module Bolt (1) >> Remove



105.
[Click here for full size](#)

106. Instrument Panel Center Lower Bracket Bolt (1) >> Remove [2x]

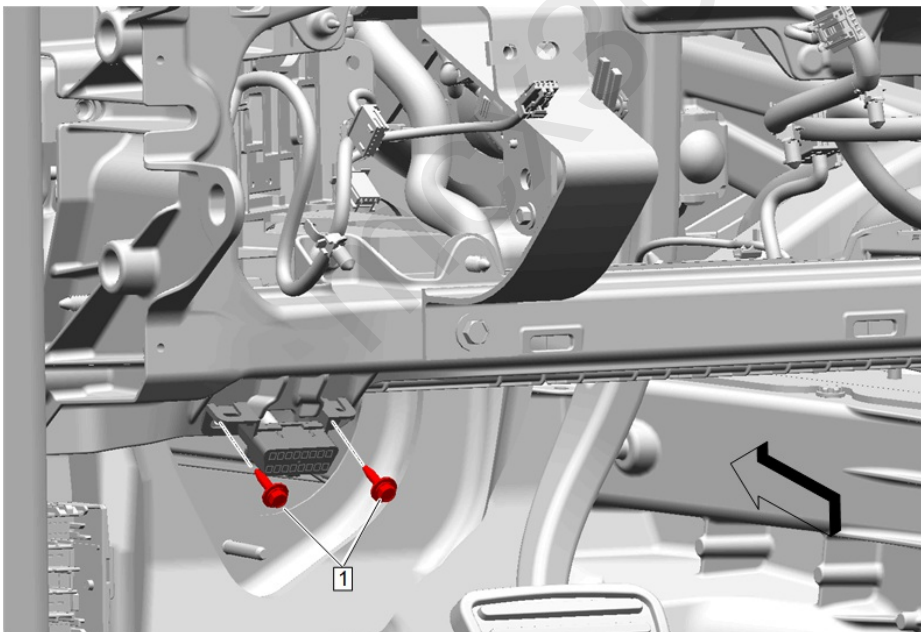


107. [Click here for full size](#)

108. Note:

When removing the right side instrument panel tie bar bolts, slide bolts out far enough to clear the tie bar, and leave the bolts in the cavity. The bolts do not have to be removed from the vehicle.

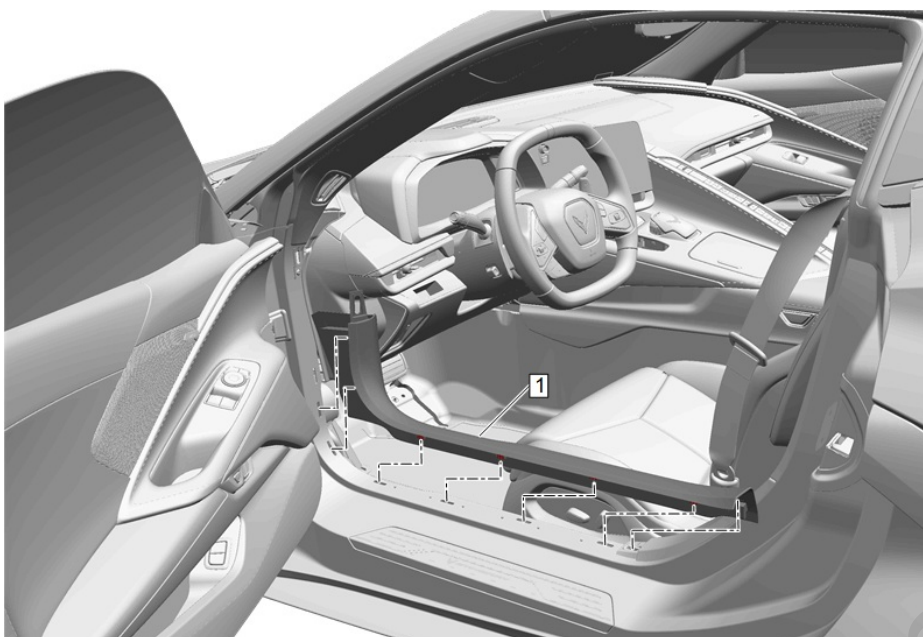
109. Instrument Panel Tie Bar Bolt (1) >> Remove [4x]



110. [Click here for full size](#)

111. Data Link Connector Bolt (1) >> Remove [2x]

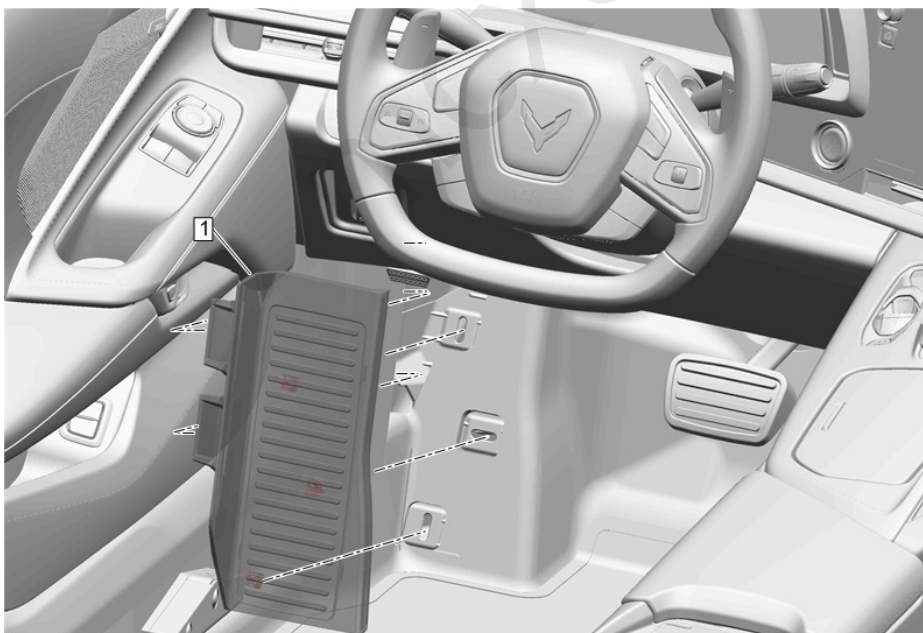
112. Data Link Connector >> Remove



113.
[Click here for full size](#)

114. Use a flat-bladed plastic trim tool in order to release the front side door sill garnish molding (1) clips.

115. Remove the left and right side front side door sill garnish moldings (1).



116.
[Click here for full size](#)

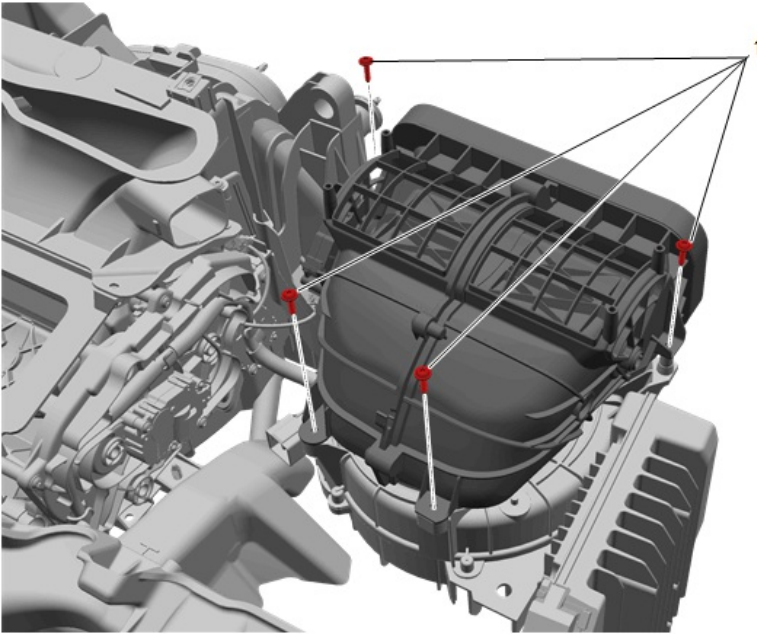
117. Use a flat-bladed plastic trim tool in order to release the driver footrest (1) from the driver footrest bracket.

118. Driver Footrest (1) >>> Remove

- 119. [Click here for full size](#)
- 120. Instrument Panel Wiring Harness Ground Bolt (1) >> Remove [2x]
- 121. Ground terminal (2) >> Remove [2x]
- 122. Electrical Connector (3) >> Disconnect [6x]
- 123. [Click here for full size](#)
- 124. Electrical Connector (1) @ Restraints Control Module >> Disconnect
- 125. Wiring Harness Retainer (2) >> Remove
- 126. Electrical Connector (3) @ Serial Data Gateway Module >> Disconnect
- 127. [Click here for full size](#)
- 128. Instrument Panel Wiring Harness Ground Bolt (1) >> Remove [2x]
- 129. Ground terminal (2) >> Remove [2x]
- 130. Electrical Connector (3) >> Disconnect [6x]
- 131. [Click here for full size](#)
- 132. Disconnect the brake pedal position sensor electrical connector (1).
- 133. Wiring Harness Retainer (2) >> Remove [5x]

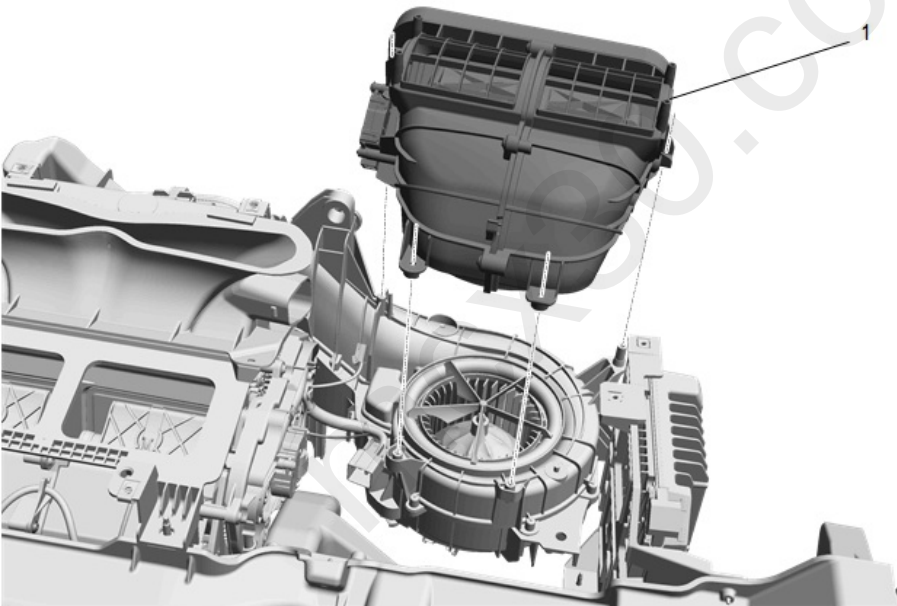


- 134. [Click here for full size](#)
- 135. Remove the instrument panel tie bar and heater and air conditioning evaporator and blower module (1) together with the aid of an assistant.
- 136. [Click here for full size](#)
- 137. Air Conditioning Sealing Washer - Large (1) >> Remove and DISCARD
- 138. Air Conditioning Sealing Washer - Small (2) >> Remove and DISCARD



139.
[Click here for full size](#)

140. Air Inlet Housing Bolt (1) >> Remove [4x]



141.
[Click here for full size](#)

142. Air Inlet Housing (1) >> Remove

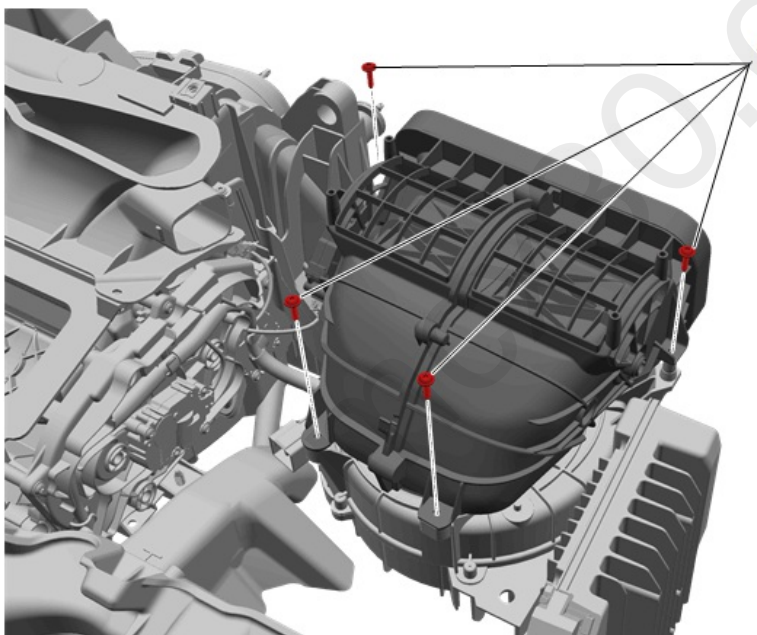
143. Disconnect the electrical connector.

144. Transfer components as necessary.

Installation Procedure



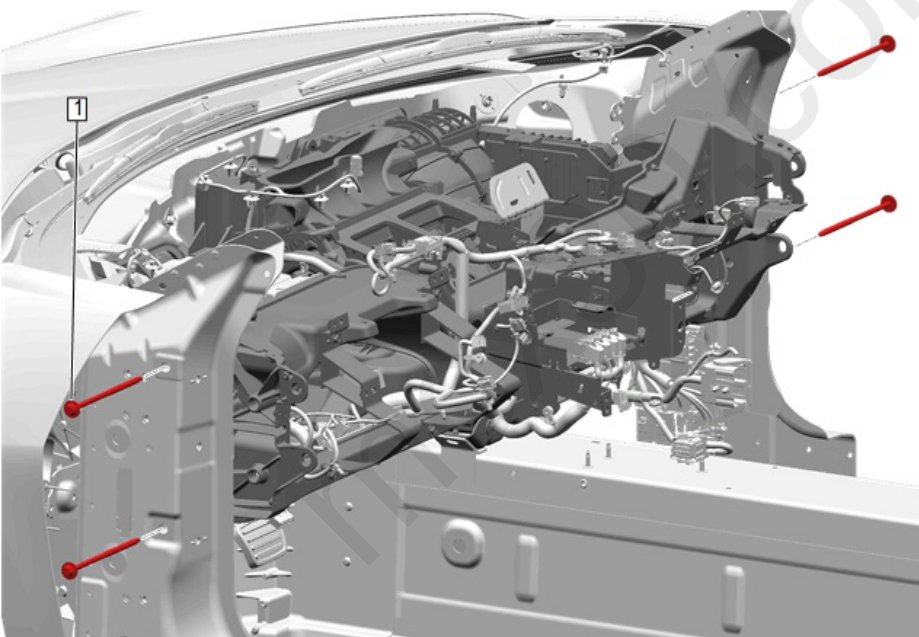
1. [Click here for full size](#)
2. Air Inlet Housing (1) >> Install
3. Connect the electrical connector.



4. [Click here for full size](#)
5. Caution:
Refer to Fastener Caution.
6. Air Inlet Housing Bolt (1) >> Install and tighten [4x]1.5 N-m (13 lb in)
7. [Click here for full size](#)
8. Air Conditioning Sealing Washer - Large (1) >> Install NEW
9. Air Conditioning Sealing Washer - Small (2) >> Install NEW



10. [Click here for full size](#)
11. Install the instrument panel tie bar and heater and air conditioning evaporator and blower module (1) together with the aid of an assistant.



12. [Click here for full size](#)
13. Note:
Refer to the procedure link for torque specification.
14. Instrument Panel Tie Bar Bolt (1) >> Install and tighten [4x] - Instrument Panel Tie Bar Replacement
15. [Click here for full size](#)
16. Wiring Harness Retainer (2) >> Install [5x]
17. Connect the brake pedal position sensor electrical connector (1).
18. [Click here for full size](#)
19. Electrical Connector (3) >> Connect [6x]
20. Ground terminal (2) >> Install [2x]

21. Note:

Refer to the procedure link for torque specification.

22. Instrument Panel Wiring Harness Ground Bolt (1) >> Install and tighten [2x] - Ground Repair

23. [Click here for full size](#)

24. Electrical Connector (3) @ Serial Data Gateway Module >> Connect

25. Wiring Harness Retainer (2) >> Install

26. Electrical Connector (1) @ Restraints Control Module >> Connect

27. [Click here for full size](#)

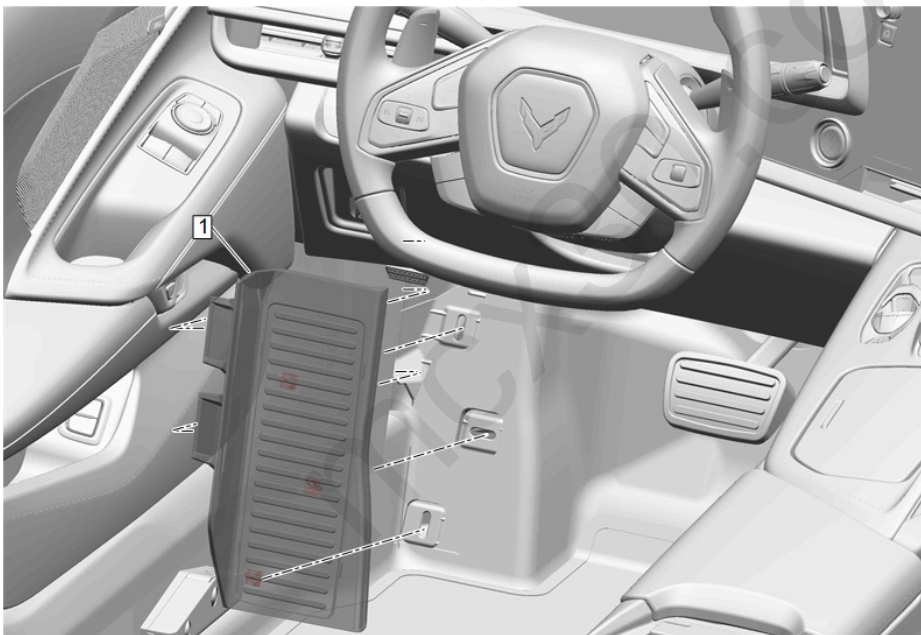
28. Electrical Connector (3) >> Connect [6x]

29. Ground terminal (2) >> Install [2x]

30. Note:

Refer to the procedure link for torque specification.

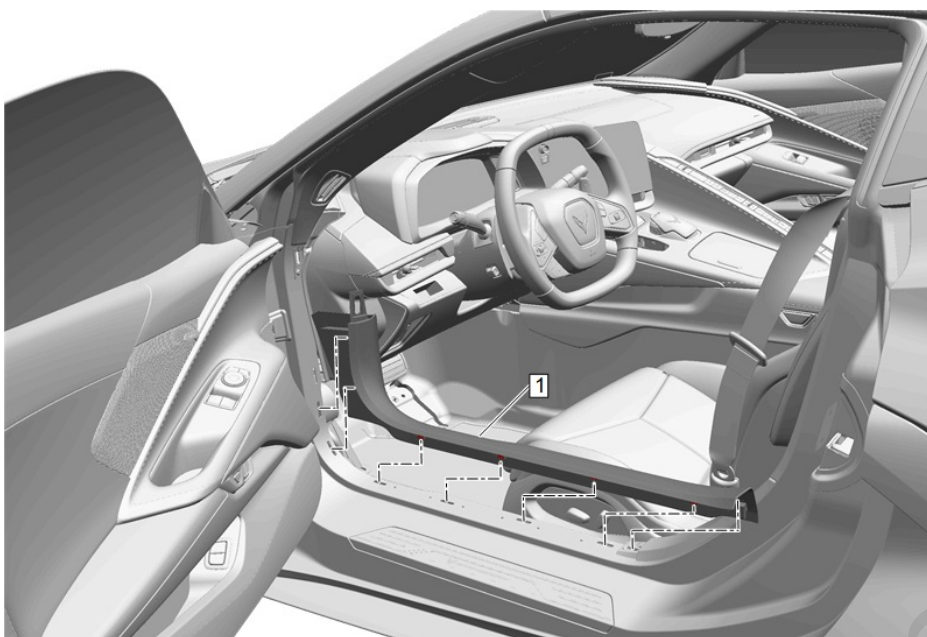
31. Instrument Panel Wiring Harness Ground Bolt (1) >> Install and tighten [2x] - Ground Repair



32.

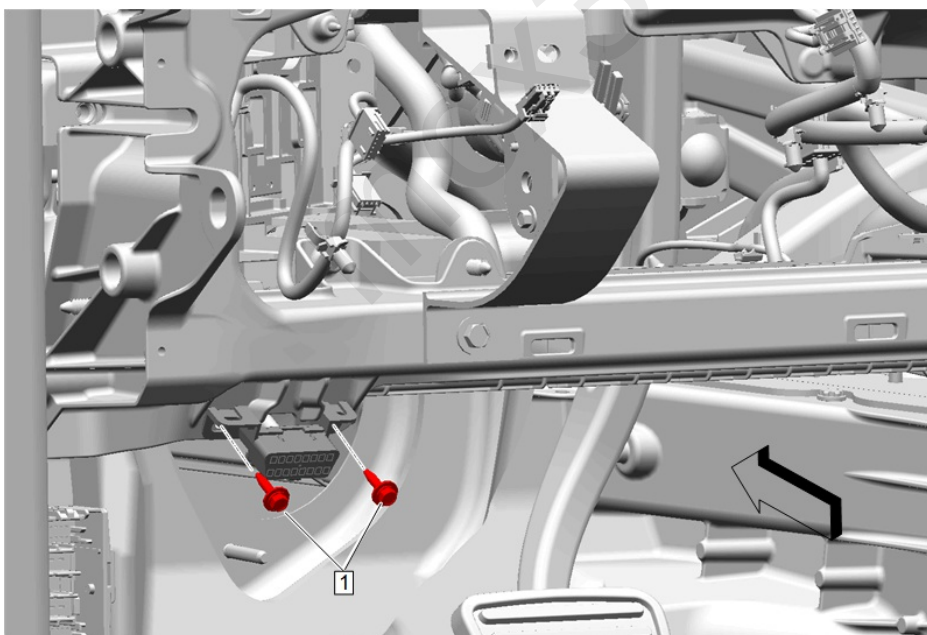
[Click here for full size](#)

33. Driver Footrest (1) >> Install



34.
[Click here for full size](#)

35. Install the left and right side front side door sill garnish moldings (1).



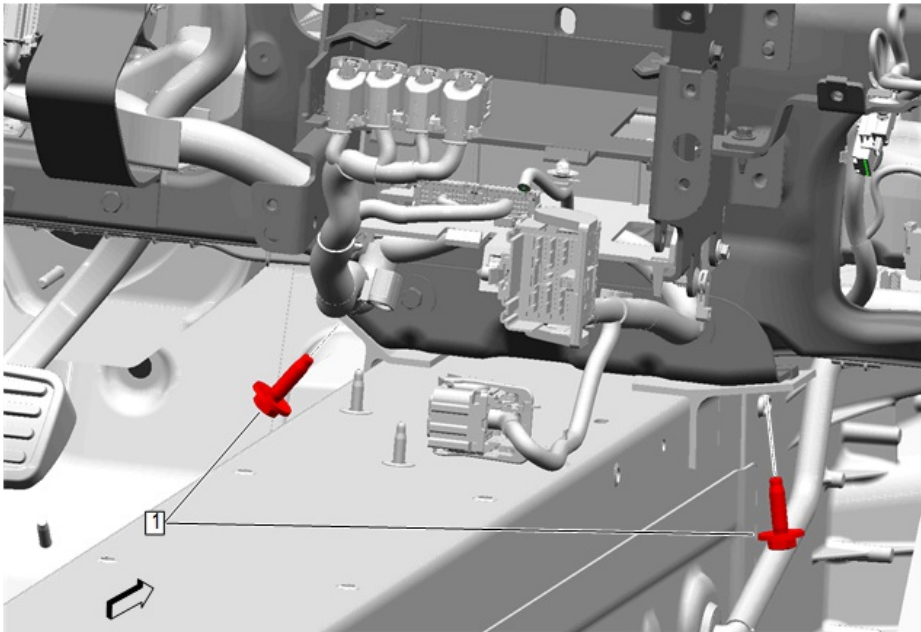
36.
[Click here for full size](#)

37. Data Link Connector >> Install

38. Note:

Refer to the procedure link for torque specification.

39. Data Link Connector Bolt (1) >> Install and tighten [2x] - Instrument Panel Tie Bar Replacement

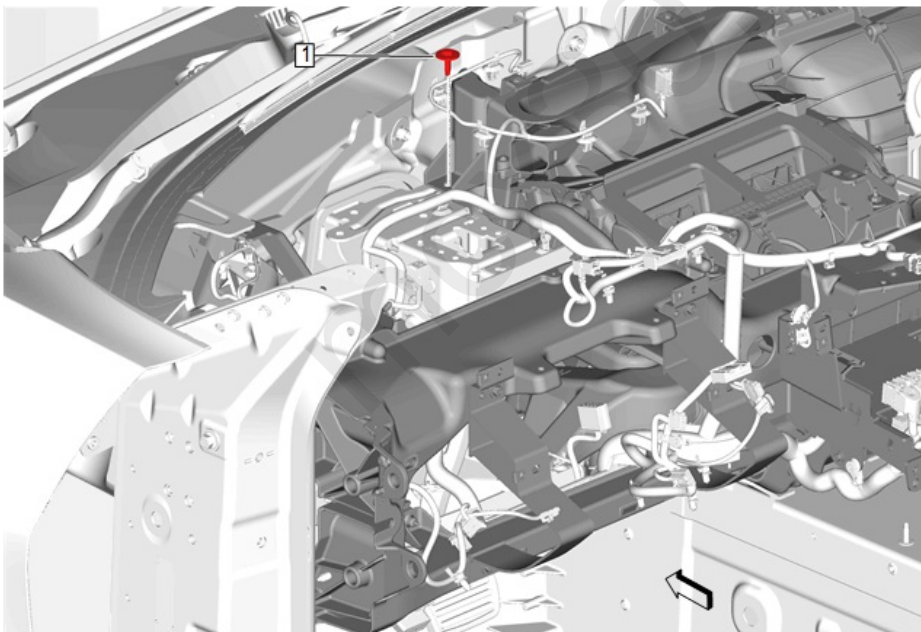


40. [Click here for full size](#)

41. Note:

Refer to the procedure link for torque specification.

42. Instrument Panel Center Lower Bracket Bolt (1) >> Install and tighten [2x] - Instrument Panel Tie Bar Replacement

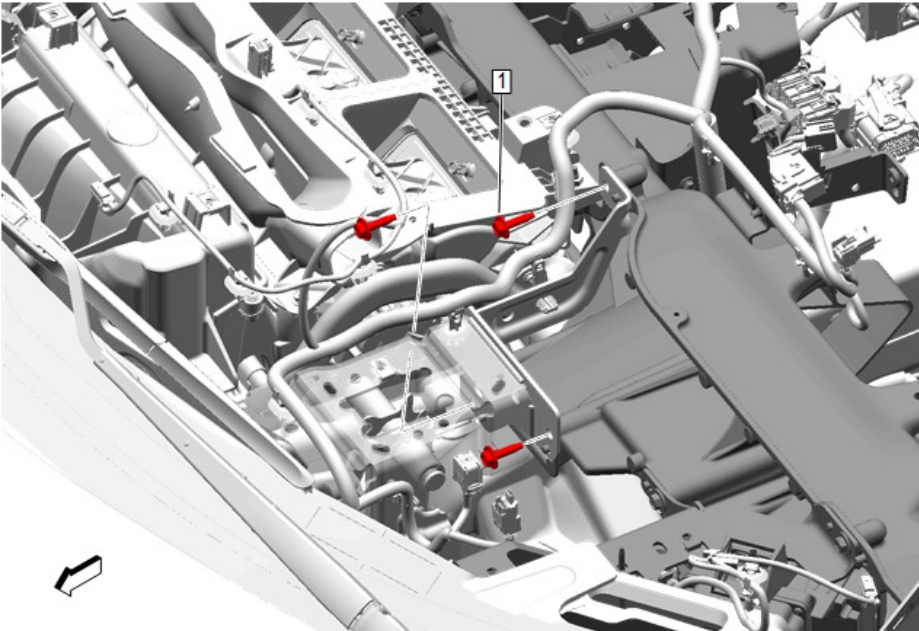


43. [Click here for full size](#)

44. Note:

Refer to the procedure link for torque specification.

45. Heater and Air Conditioning Evaporator and Blower Module Bolt (1) >> Install and tighten - Instrument Panel Tie Bar Replacement

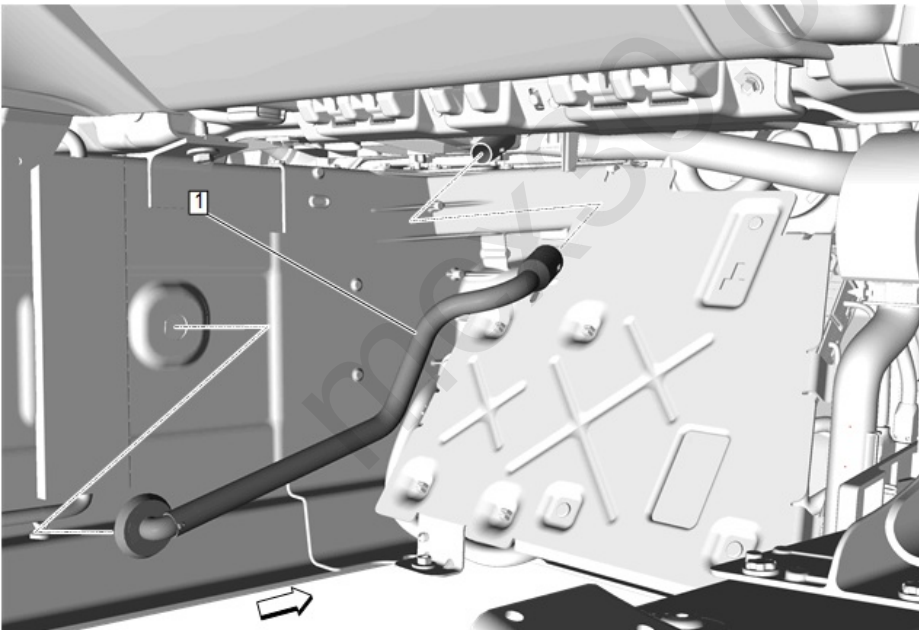


46. [Click here for full size](#)

47. Note:

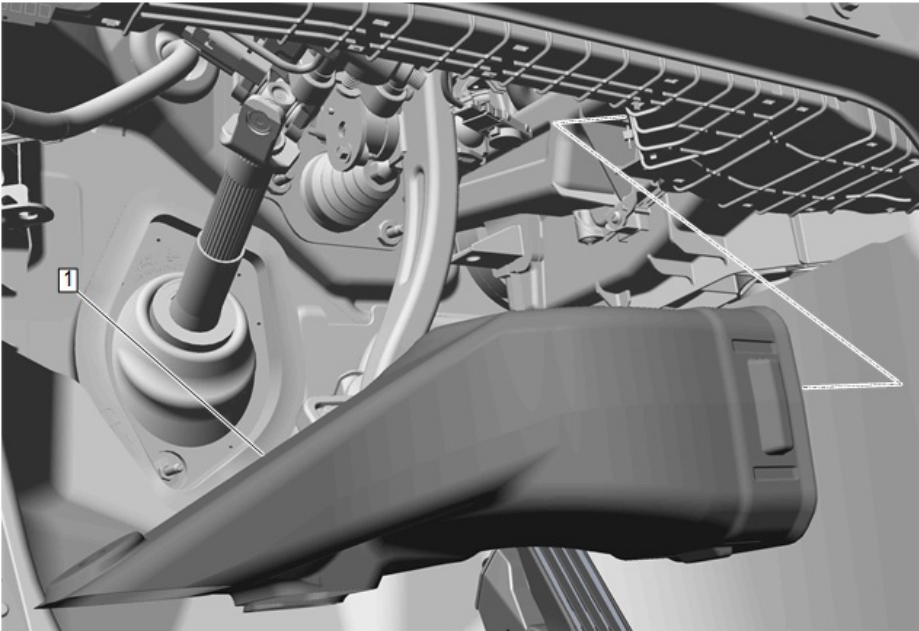
Refer to the procedure link for torque specification.

48. Brake and Accelerator and Clutch Pedal Bracket Bolt (1) >> Install and tighten [3x] - Instrument Panel Tie Bar Replacement

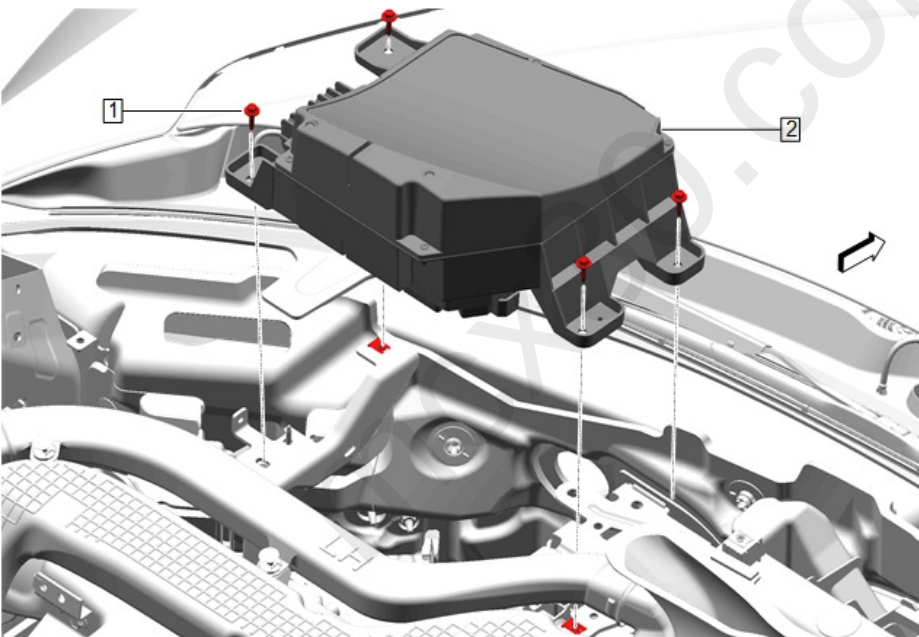


49. [Click here for full size](#)

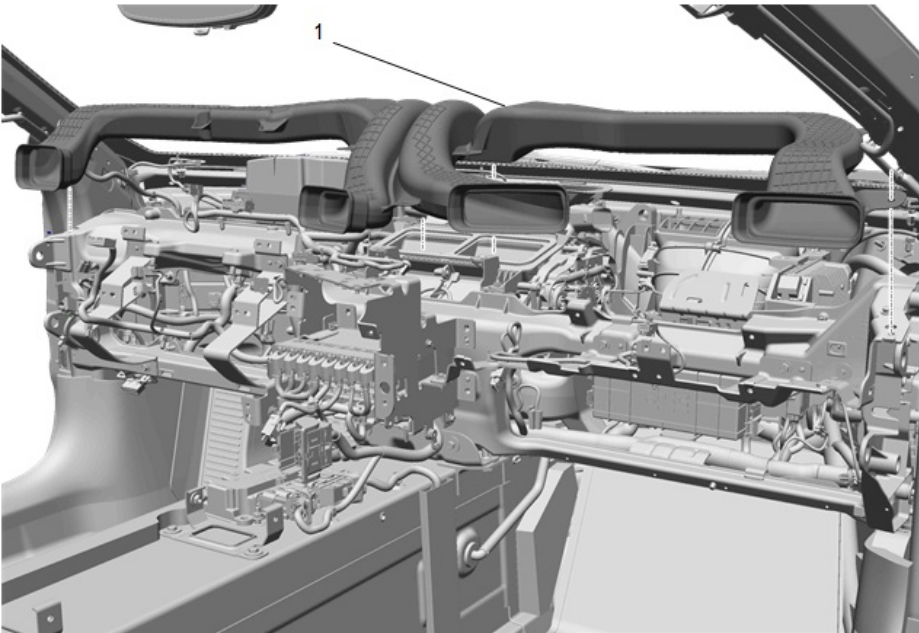
50. Air Conditioning Evaporator Case Drain Tube (1) @ Heater and Air Conditioning Evaporator and Blower Module >> Install



51. [Click here for full size](#)
52. Floor Front Air Outlet Duct - Left Side (1) >> Install - Floor Front Air Outlet Duct Replacement - Left Side

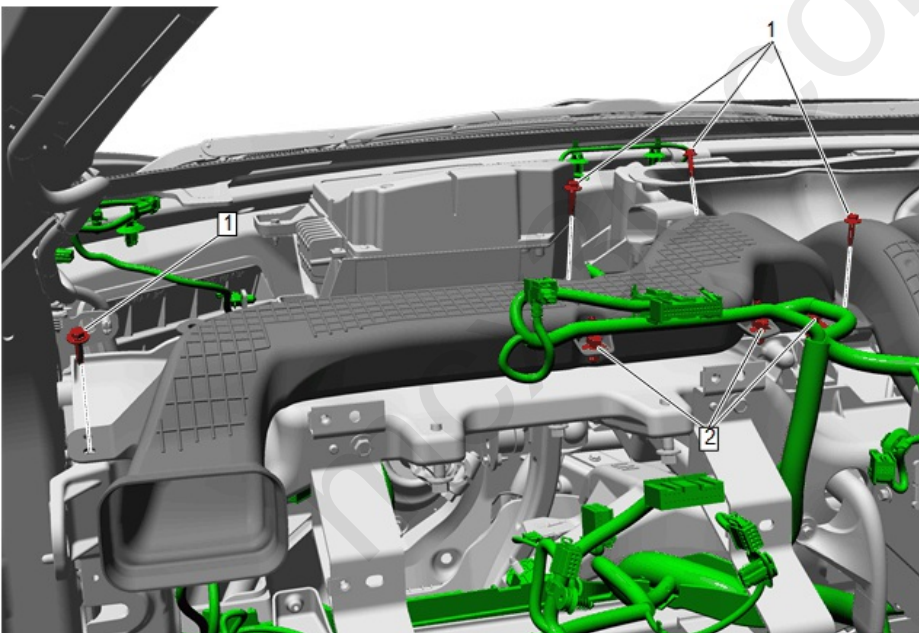


53. [Click here for full size](#)
54. Connect the electrical connectors.
55. Head-Up Display (2) >> Install
56. Note:
- Refer to the procedure link for torque specification.
57. Head-Up Display Bolt (1) >> Install and tighten [4x] - Head-Up Display Replacement



58.
[Click here for full size](#)

59. Instrument Panel Outer Air Outlet Duct (1) >> Install



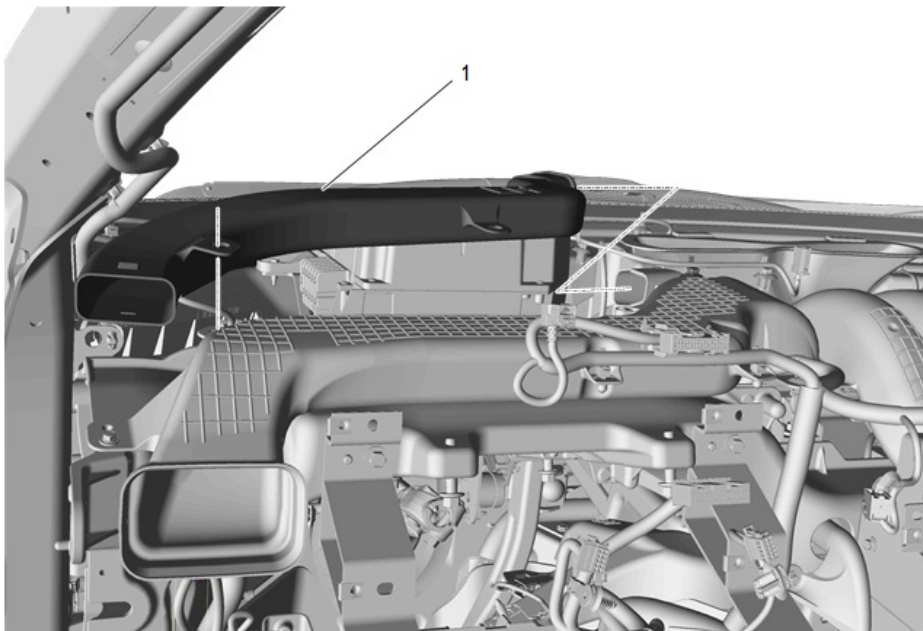
60.
[Click here for full size](#)

61. Wiring Harness Retainer (2) @ Instrument Panel Outer Air Outlet Duct >> Install [3x]

62. Note:

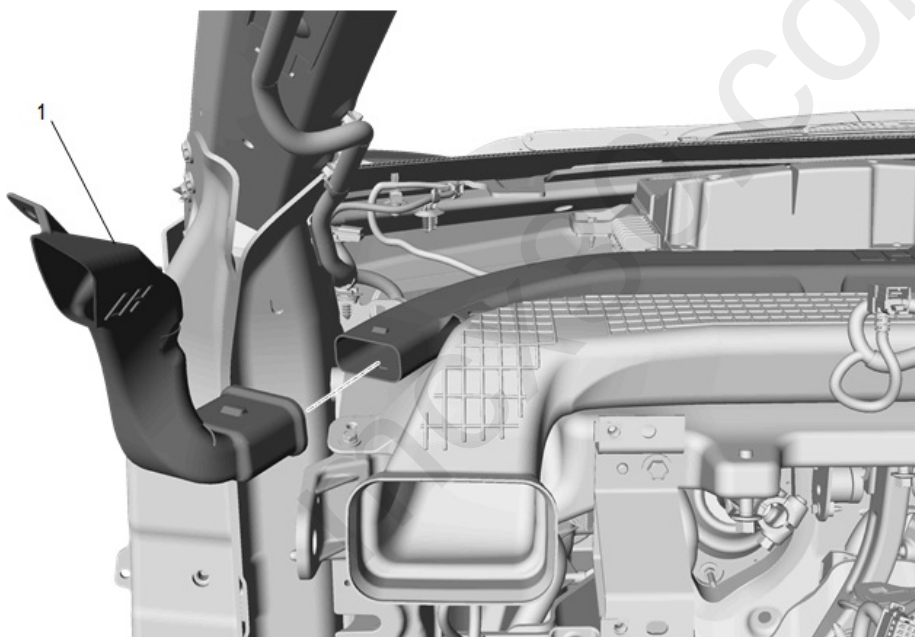
Refer to the procedure link for torque specification.

63. Instrument Panel Outer Air Outlet Duct Bolt (1) >> Install and tighten [4x] - Instrument Panel Outer Air Outlet Duct Replacement



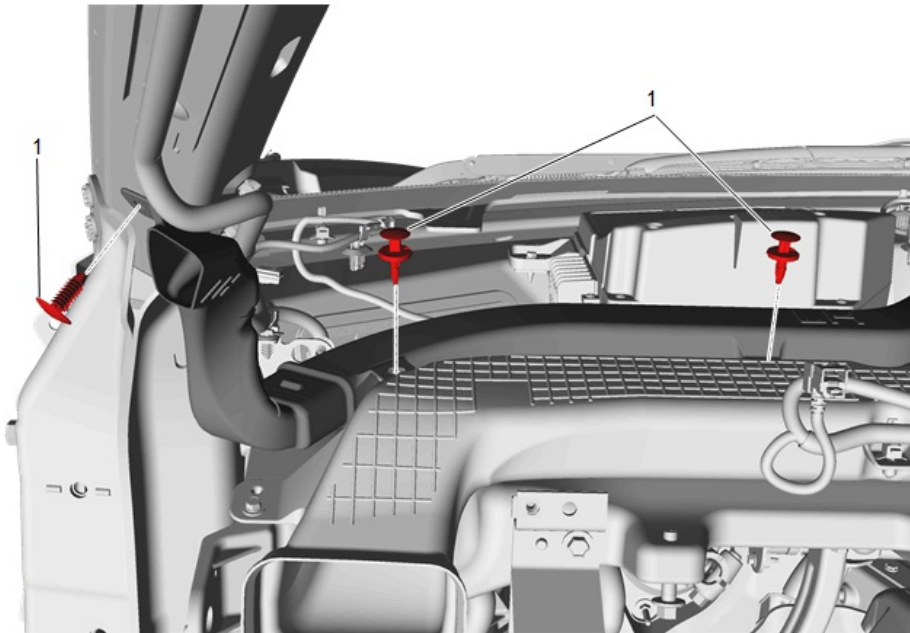
64.
[Click here for full size](#)

65. Side Window Defogger Outlet Duct - Left Side (1) >> Install



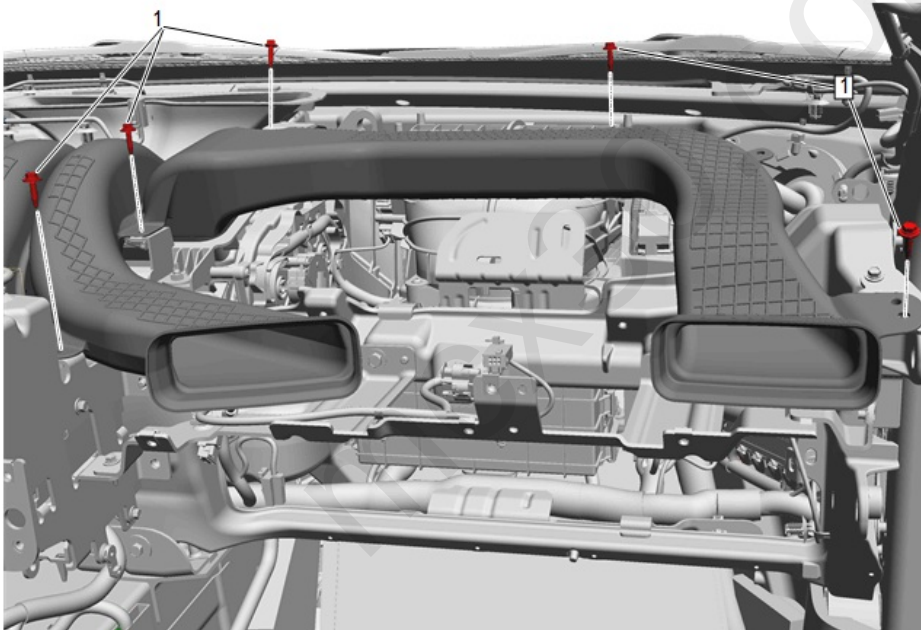
66.
[Click here for full size](#)

67. Side Window Defogger Outlet Duct - Left Side (1) >> Install



68.
[Click here for full size](#)

69. Side Window Defogger Outlet Duct Retainer (1) >> Install [3x]

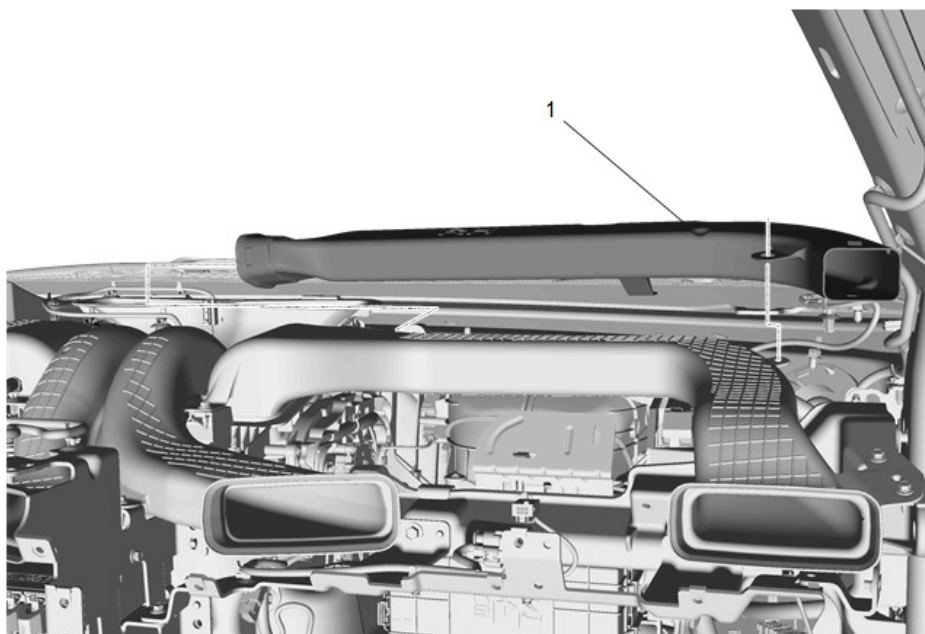


70.
[Click here for full size](#)

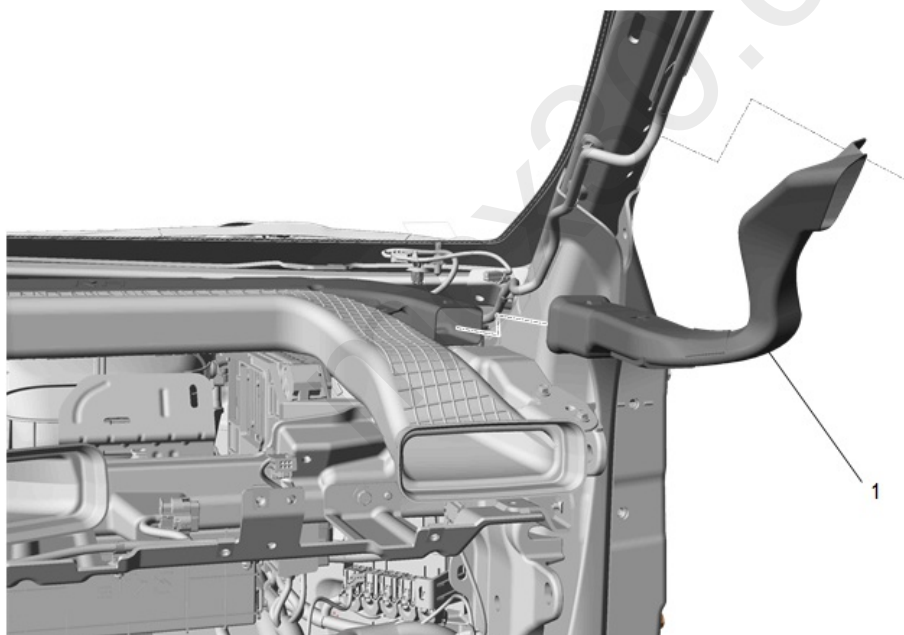
71. Note:

Refer to the procedure link for torque specification.

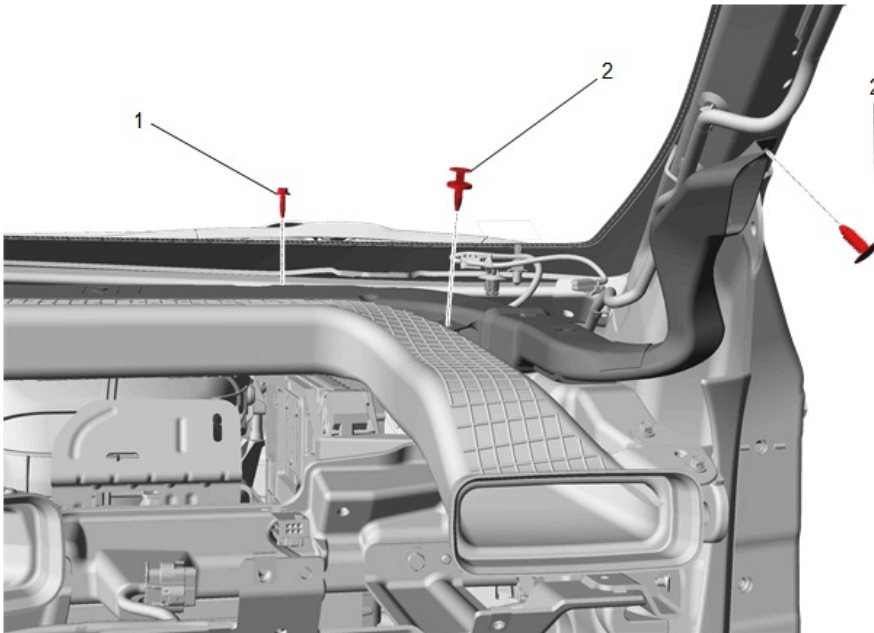
72. Instrument Panel Outer Air Outlet Duct Bolt (1) >> Install and tighten [5x] - Instrument Panel Outer Air Outlet Duct Replacement



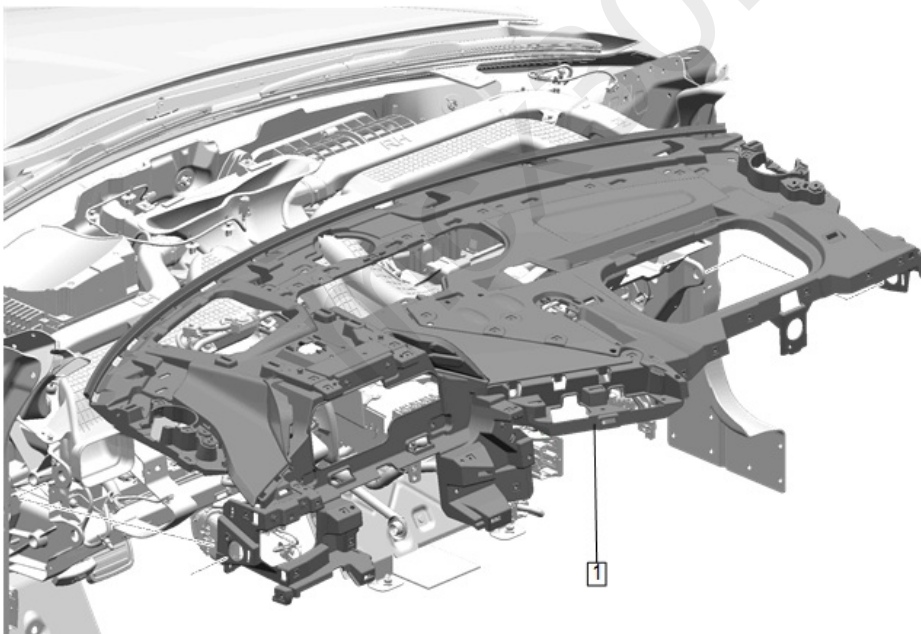
73. [Click here for full size](#)
74. Side Window Defogger Outlet Outer Duct - Right Side (1) >>> Install
75. [Click here for full size](#)
76. Instrument Panel Wiring Harness Retainer (1) @ Side Window Defogger Outlet Outer Duct - Right Side >> Install



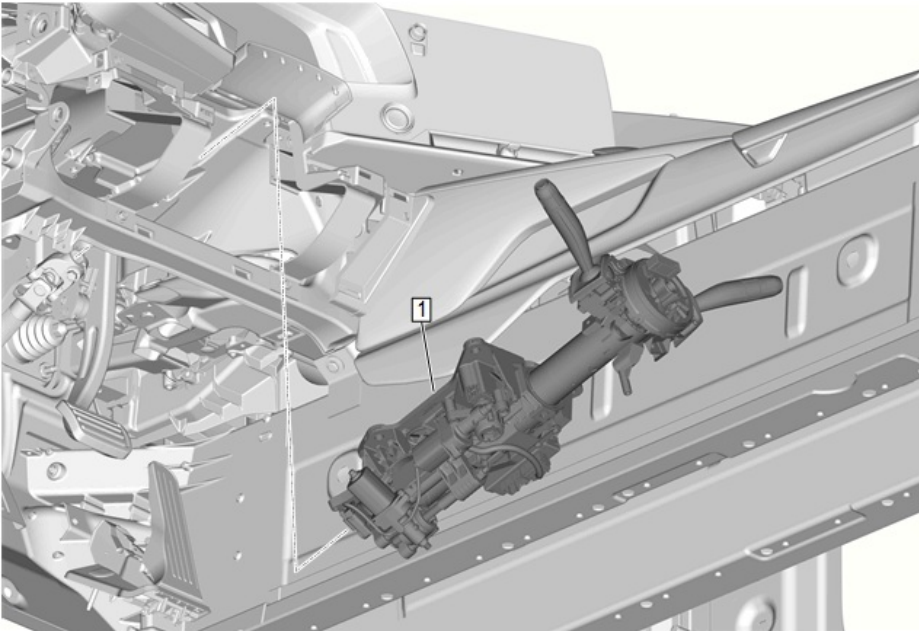
77. [Click here for full size](#)
78. Side Window Defogger Outlet Outer Duct - Right Side (1) >> Install



79. [Click here for full size](#)
80. Side Window Defogger Outlet Duct Retainer (2) >> Install [2x]
81. Note:
Refer to the procedure link for torque specification.
82. Side Window Defogger Outlet Duct Bolt (1) >> Install and tighten - Side Window Defogger Outlet Duct Replacement - Right Side

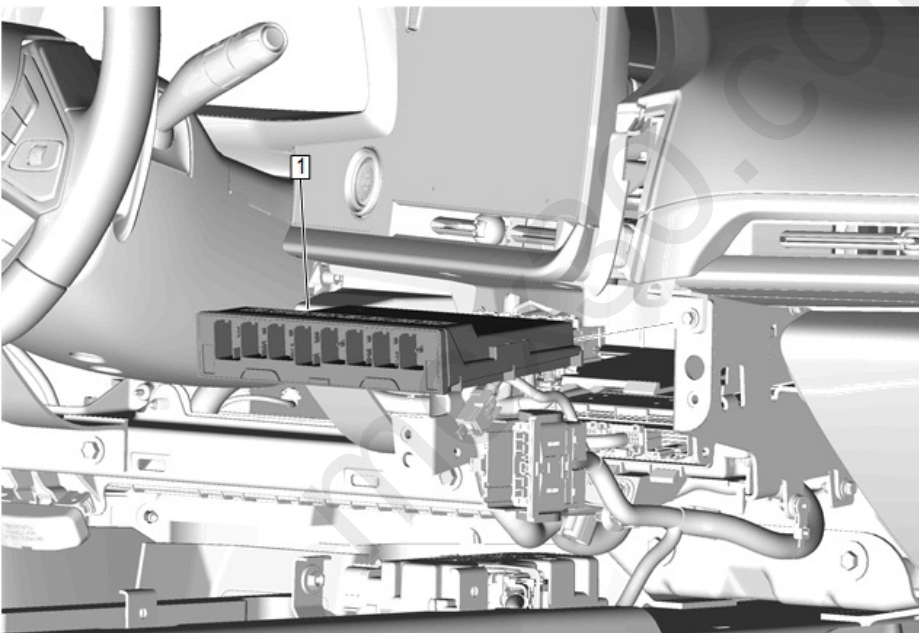


83. [Click here for full size](#)
84. Instrument Panel Carrier (1) >> Install - Instrument Panel Carrier Replacement



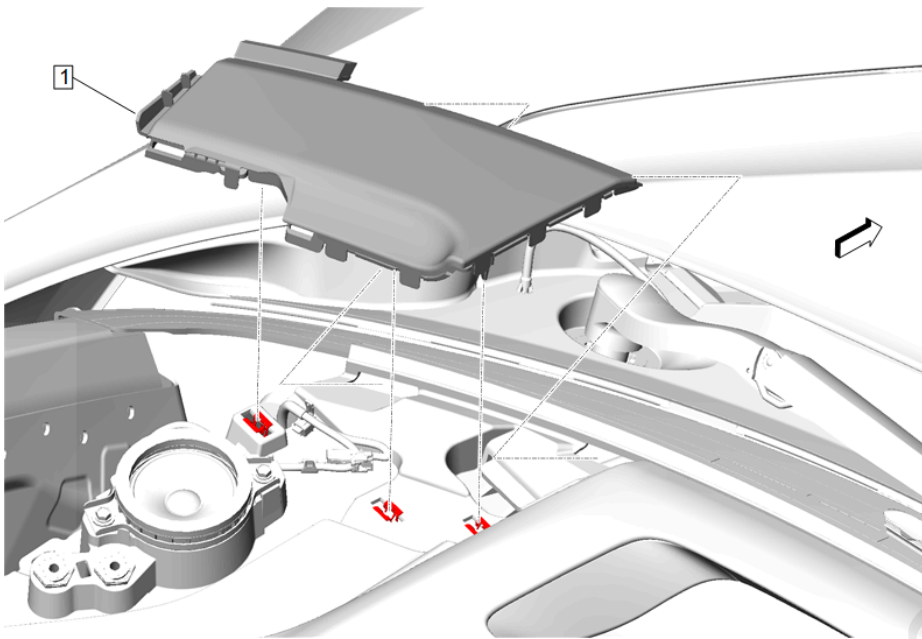
85.
[Click here for full size](#)

86. Steering Column (1) >> Install - Steering Column Replacement



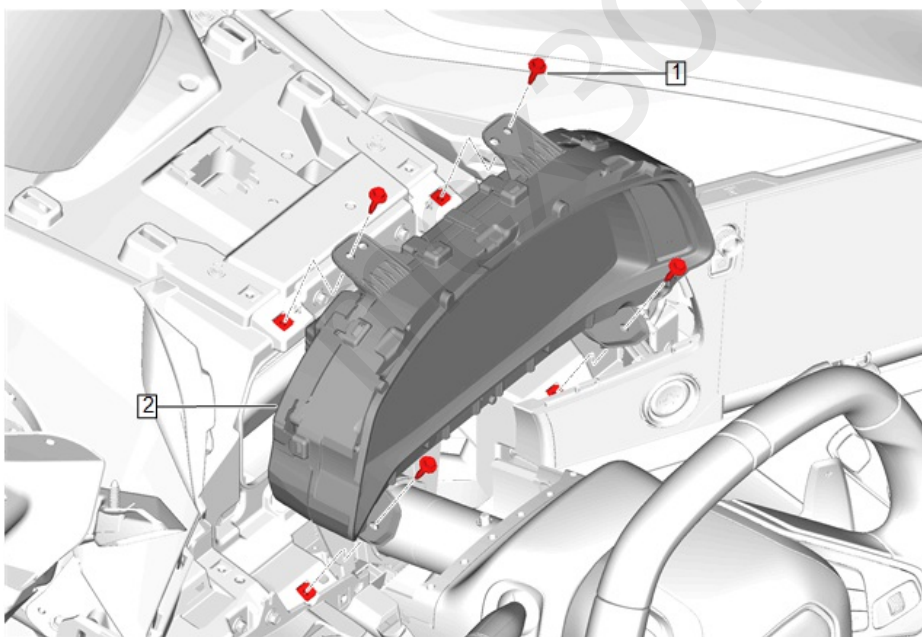
87.
[Click here for full size](#)

88. Body Control Module (1) >> Install - Body Control Module Replacement



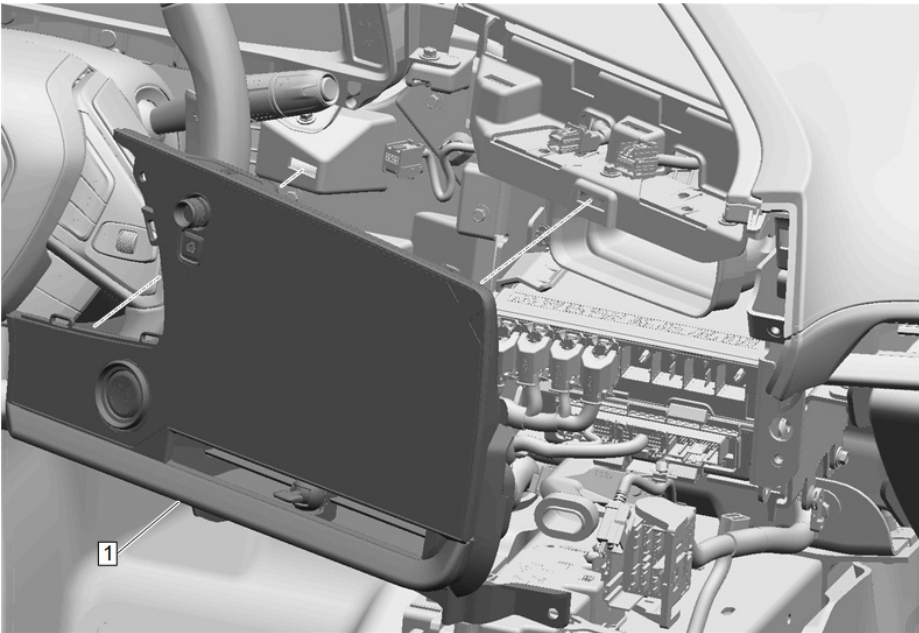
89.
[Click here for full size](#)

90. Instrument Panel Upper Trim Panel Cover (1) >> Install - Instrument Panel Upper Trim Panel Cover Replacement



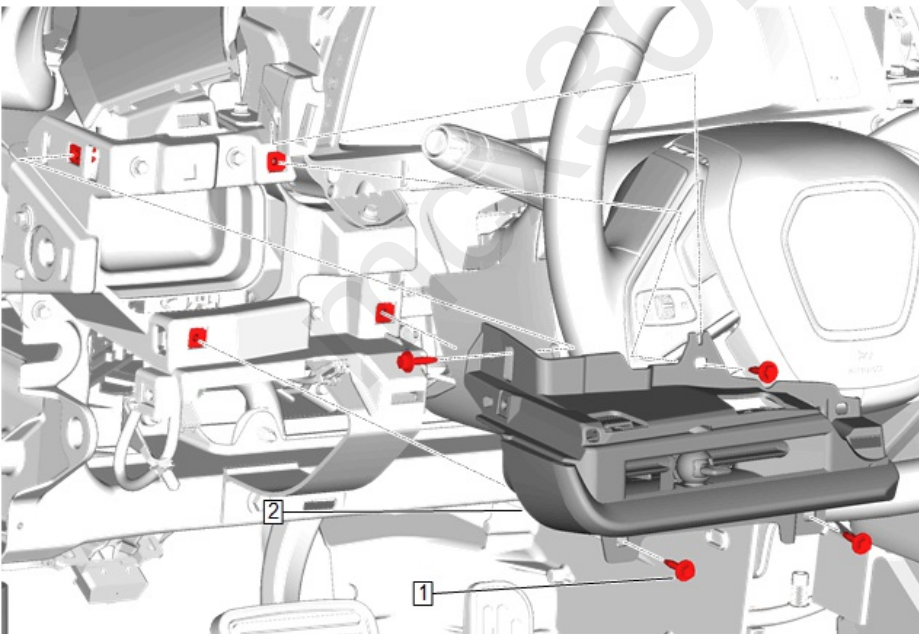
91.
[Click here for full size](#)

92. Instrument Cluster (2) >> Install - Instrument Cluster Replacement



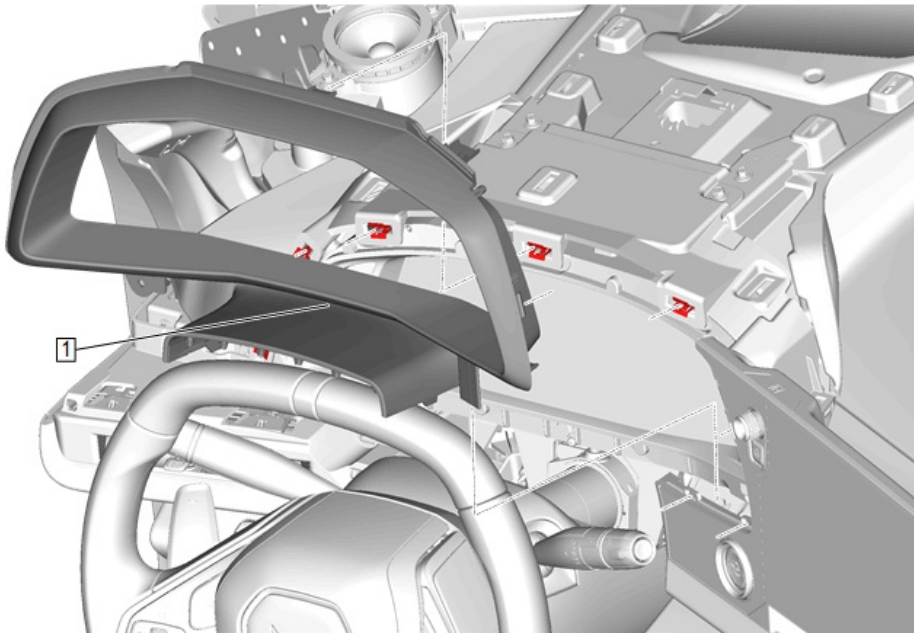
93.
[Click here for full size](#)

94. Radio Control (1) >> Install - Radio Control Replacement



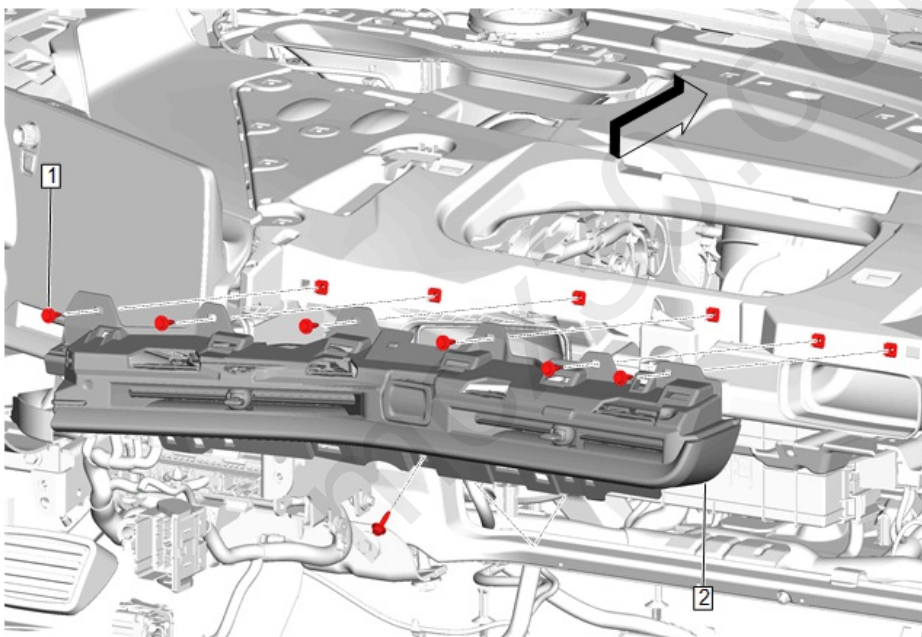
95.
[Click here for full size](#)

96. Instrument Panel Air Outlet Bezel - Left Side (2) >> Install - Instrument Panel Air Outlet Bezel Replacement - Left Side



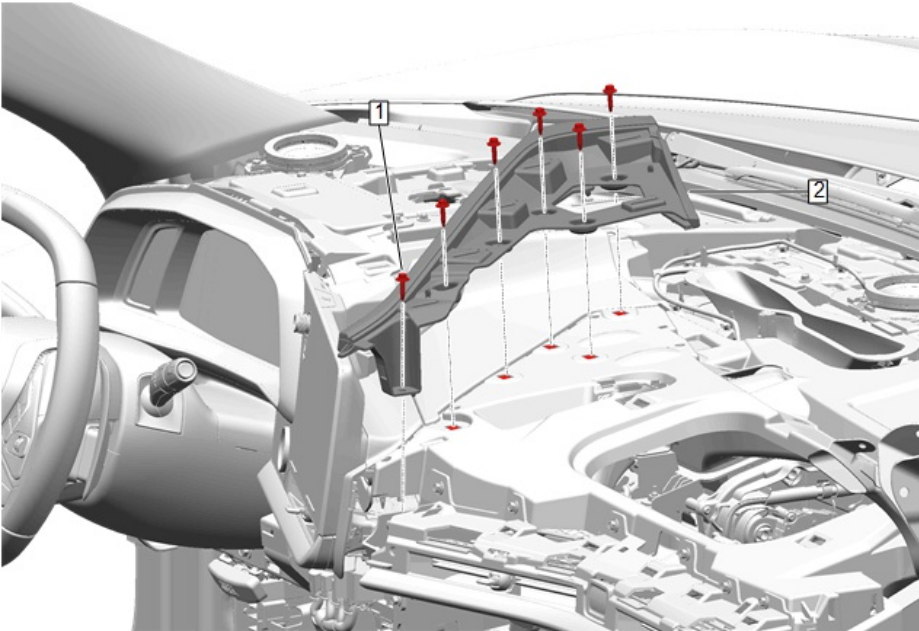
97.
[Click here for full size](#)

98. Instrument Panel Cluster Trim Plate (1) >> Install - Instrument Panel Cluster Trim Plate Replacement



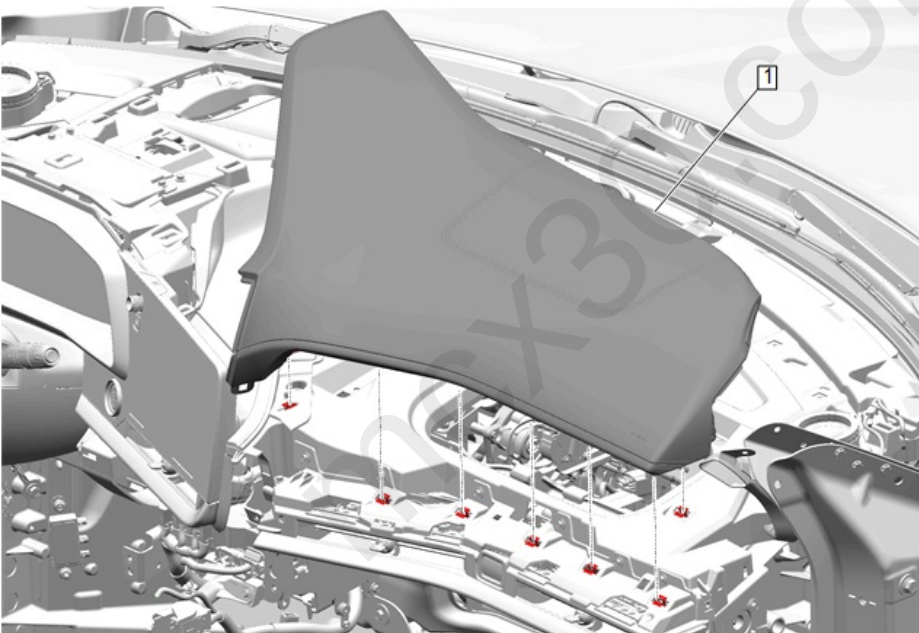
99.
[Click here for full size](#)

100. Instrument Panel Air Outlet Bezel - Right Side (2) >> Install - Instrument Panel Air Outlet Bezel Replacement - Right Side



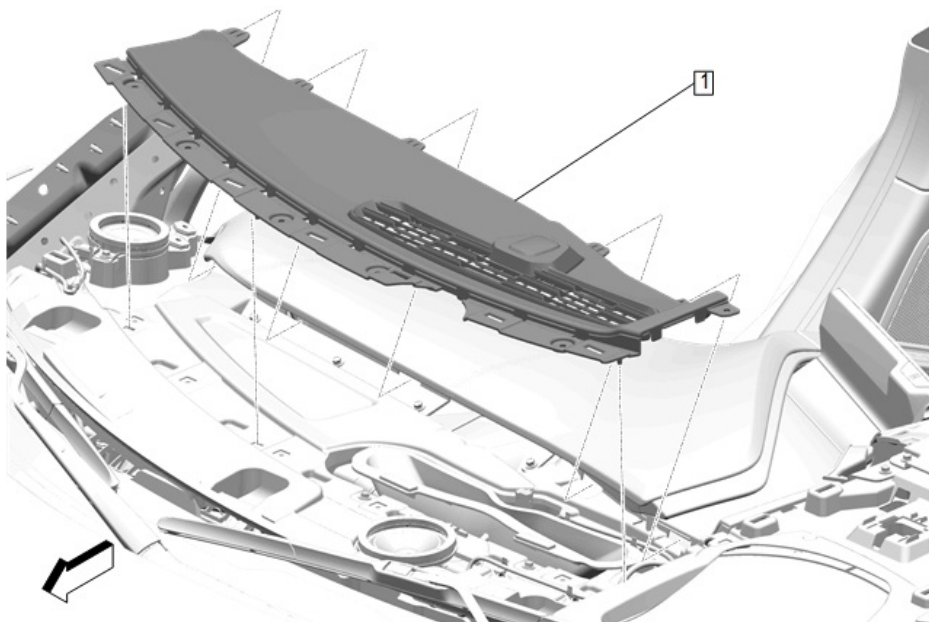
101.
[Click here for full size](#)

102. Instrument Panel Trim Pad (2) >> Install - Instrument Panel Trim Pad Replacement



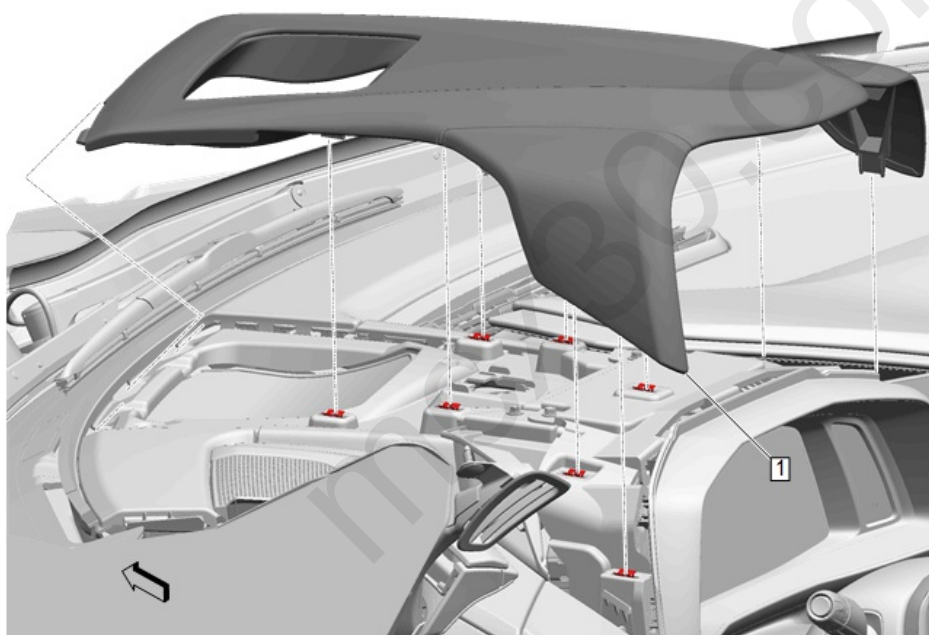
103.
[Click here for full size](#)

104. Instrument Panel Upper Trim Panel (1) >> Install - Instrument Panel Upper Trim Panel Replacement



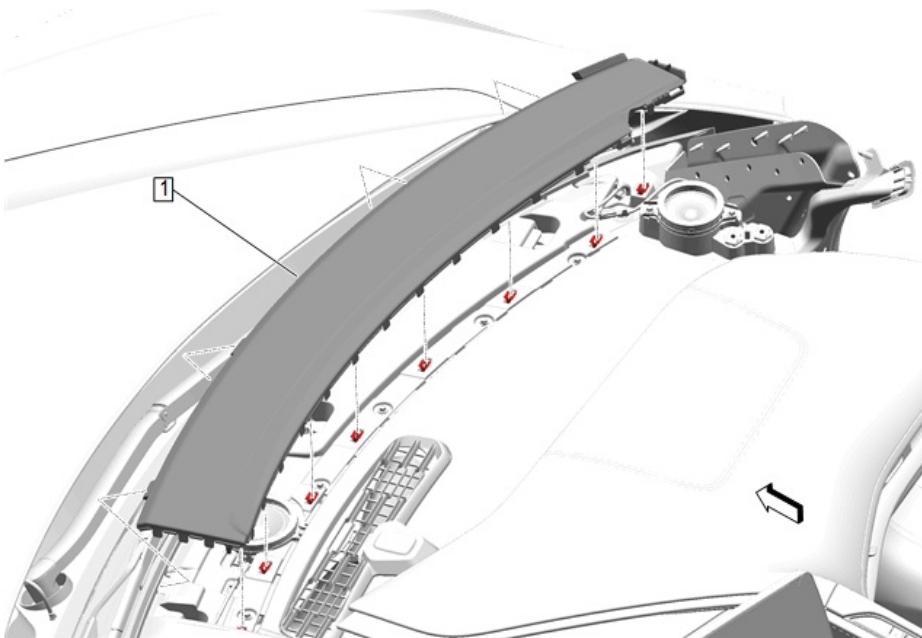
105.
[Click here for full size](#)

106. Instrument Panel Extension (1) >>> Install - Instrument Panel Extension Replacement



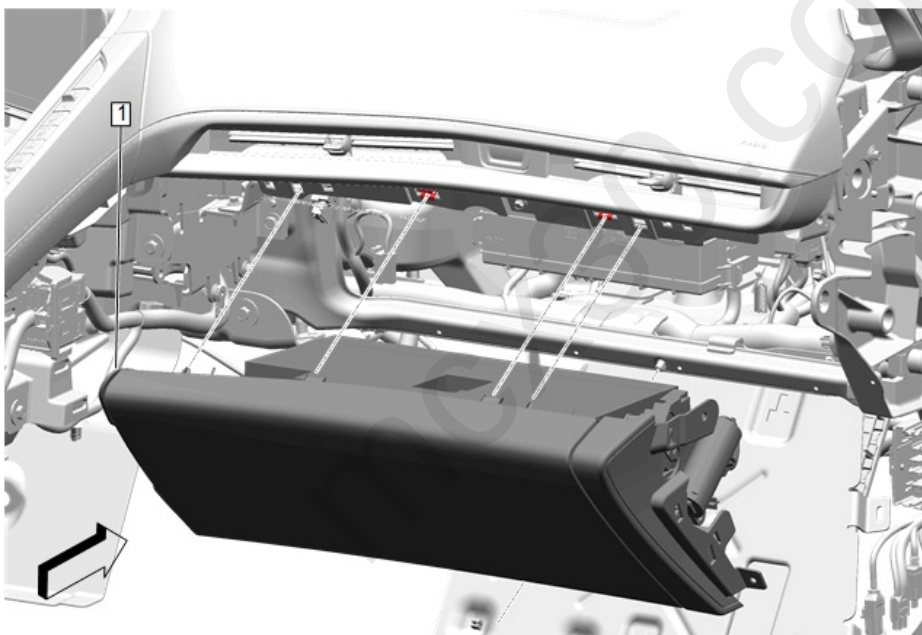
107.
[Click here for full size](#)

108. Instrument Panel Instrument Cluster Hood (1) >>> Install - Instrument Panel Instrument Cluster Hood Replacement



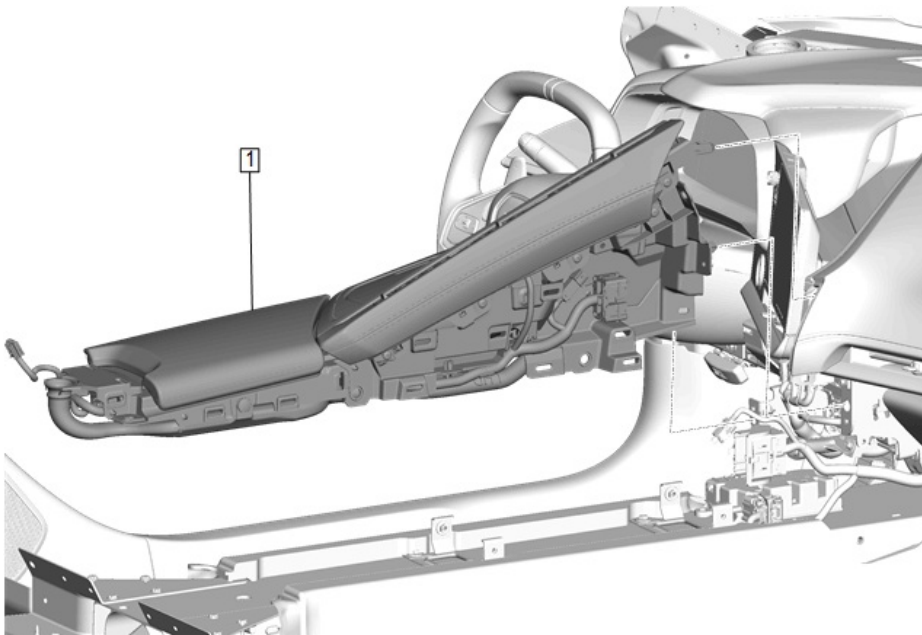
109.
[Click here for full size](#)

110. Radio Front Center Speaker Grille (1) >> Install - Radio Front Center Speaker Grille Replacement



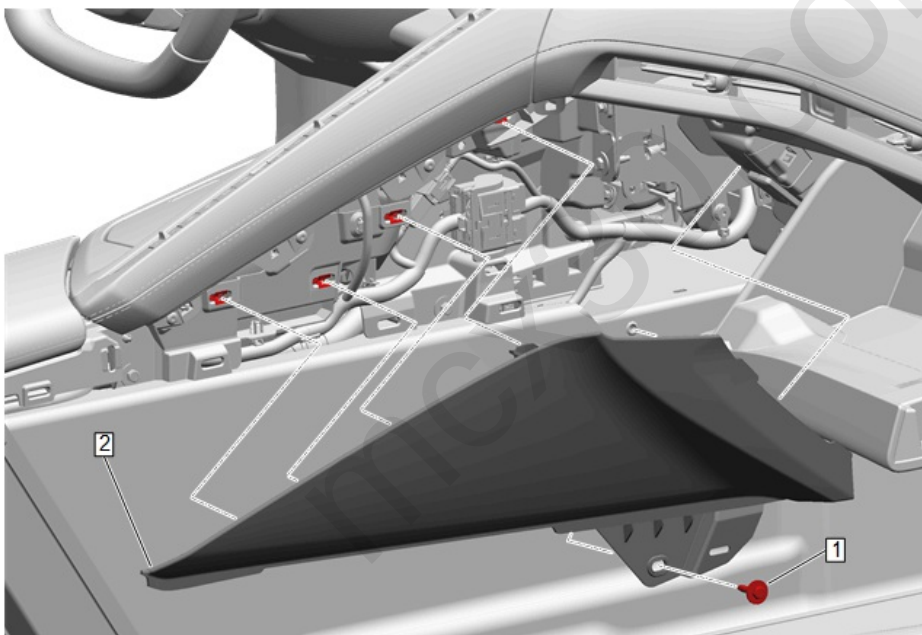
111.
[Click here for full size](#)

112. Instrument Panel Compartment (1) >> Install - Instrument Panel Compartment Replacement



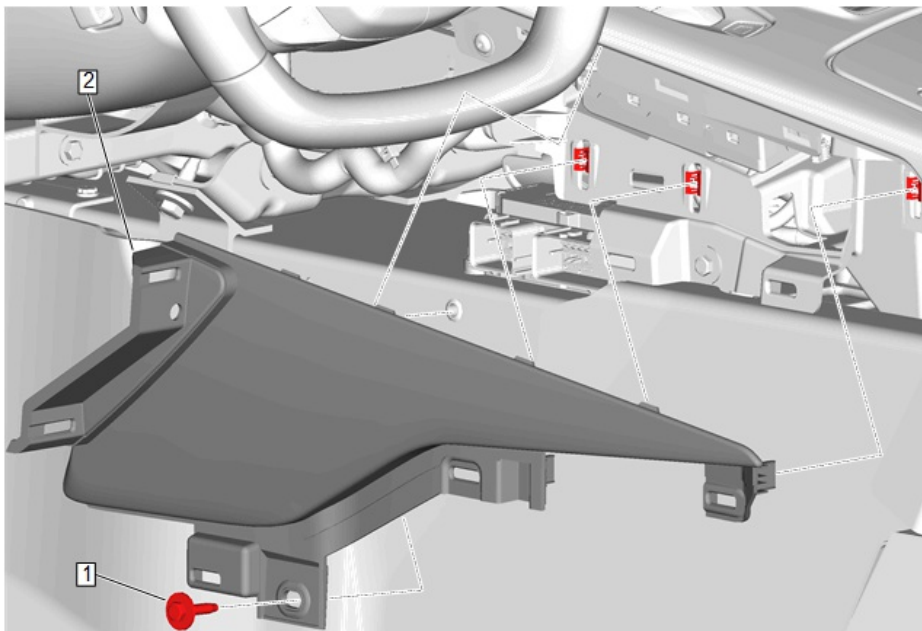
113.
[Click here for full size](#)

114. Front Floor Console Compartment (1) >>> Install - Front Floor Console Compartment Replacement



115.
[Click here for full size](#)

116. Front Floor Console Extension Panel (2) >>> Install - Front Floor Console Extension Panel Replacement



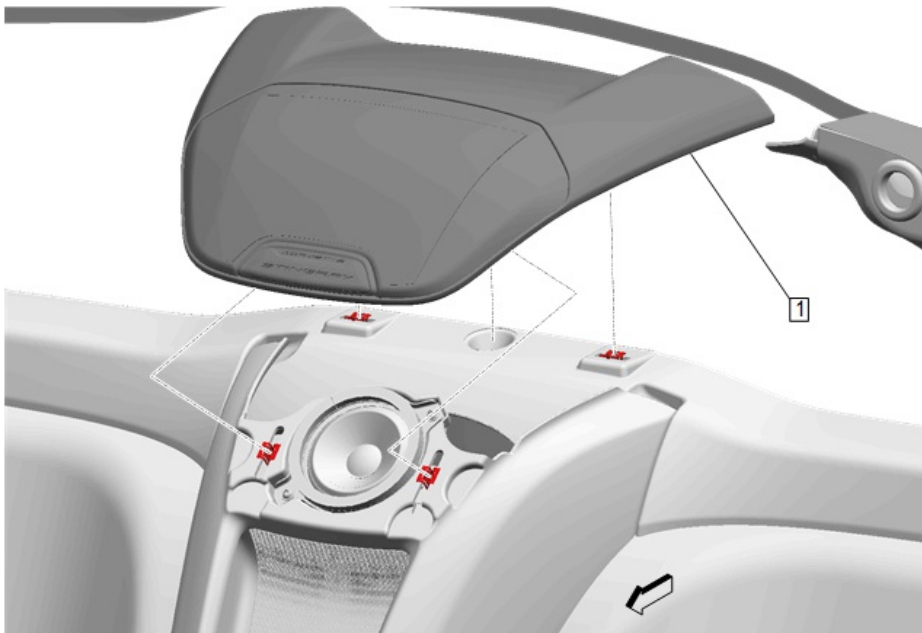
117.
[Click here for full size](#)

118. Front Floor Console Applique - Left Side (2) >> Install - Front Floor Console Applique Replacement - Left Side



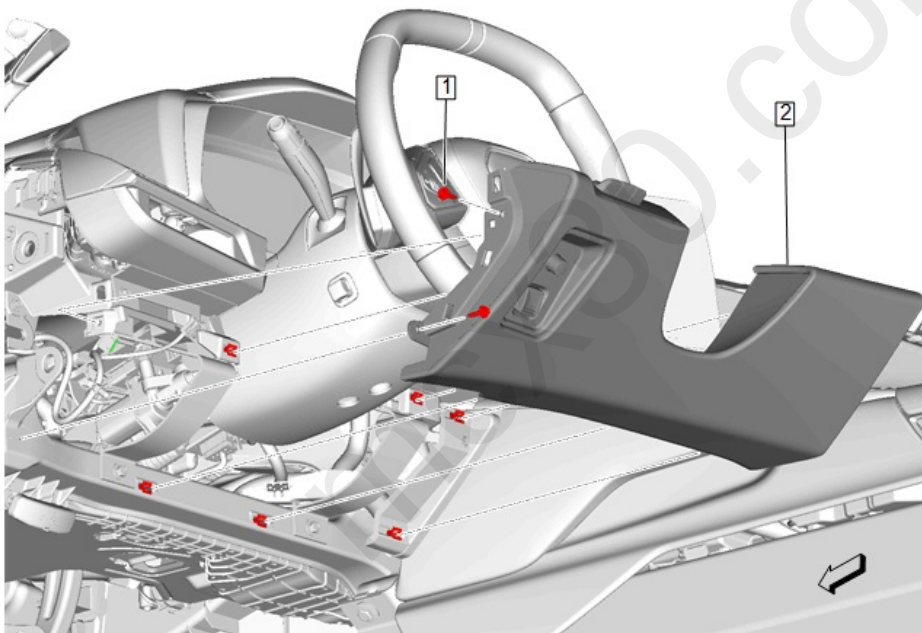
119.
[Click here for full size](#)

120. Rear Compartment Closeout Panel (1) >> Install - Rear Compartment Closeout Panel Replacement



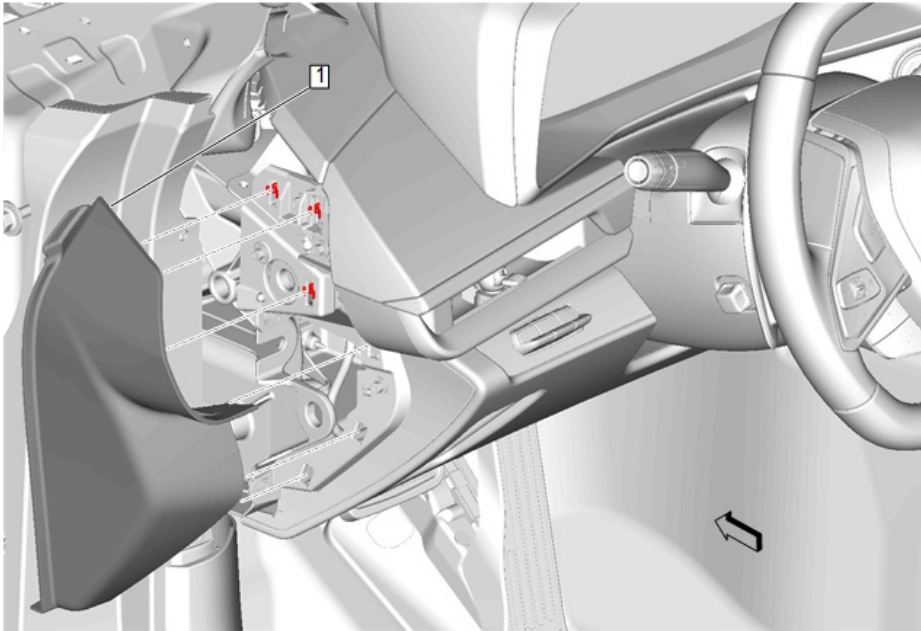
121.
[Click here for full size](#)

122. Radio Rear Quarter Trim Panel Speaker Grille (1) >> Install - Radio Rear Quarter Trim Panel Speaker Grille Replacement



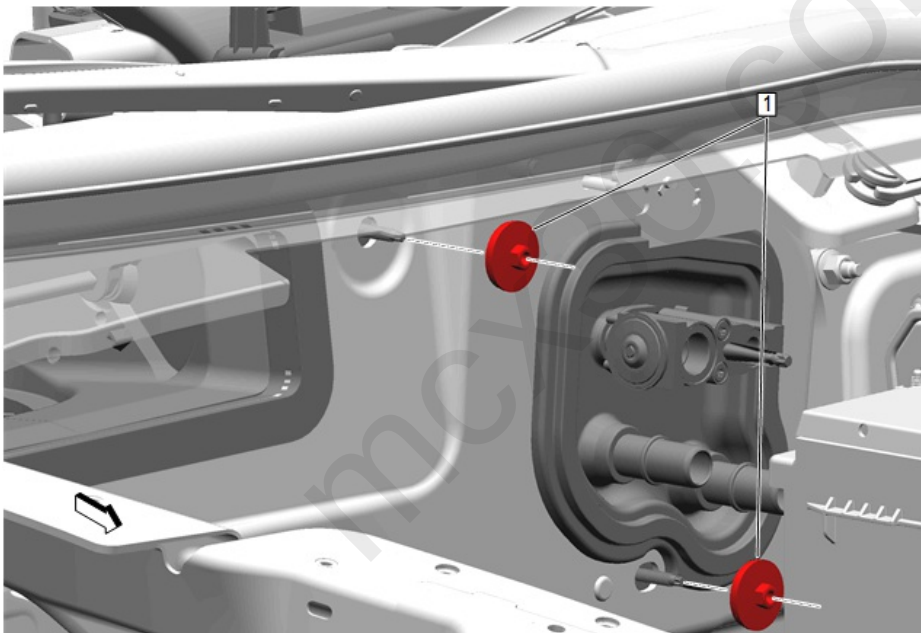
123.
[Click here for full size](#)

124. Instrument Panel Knee Bolster (2) >> Install - Instrument Panel Knee Bolster Replacement



125. [Click here for full size](#)

126. Install the left and right instrument panel outer trim cover (1). Instrument Panel Outer Trim Cover Replacement



127. [Click here for full size](#)

128. Note:

Refer to the procedure link for torque specification.

129. Heater and Blower Module Nut (1) >>> Install and tighten [2x] - Instrument Panel Tie Bar Replacement

130. Heater Outlet Hose @ Heater Core Outlet Tube >>> Install - Heater Outlet Hose Replacement

131. Radiator Inlet Hose @ Heater Core Inlet Tube >>> Install - Radiator Inlet Hose Replacement - Radiator Inlet Pipe to A/C Tube

132. [Click here for full size](#)

133. Install the air conditioning condenser and air conditioning evaporator tube onto air conditioning evaporator thermal expansion valve.

134. Caution:

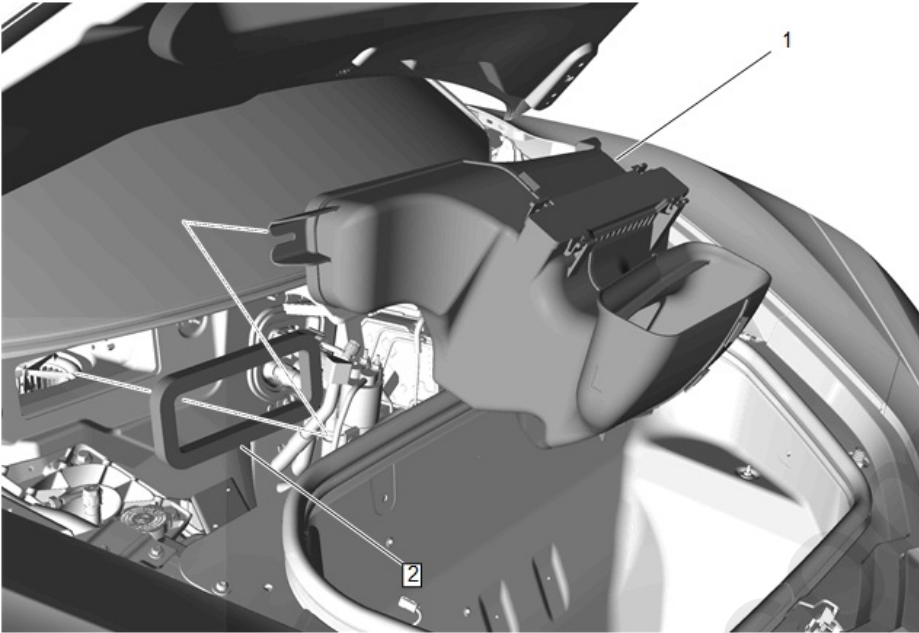
Refer to Fastener Caution.

135. Air Conditioning Evaporator Thermal Expansion Valve Stud (2) >> Install and tighten 9 N-m (80 lb in)

136. Note:

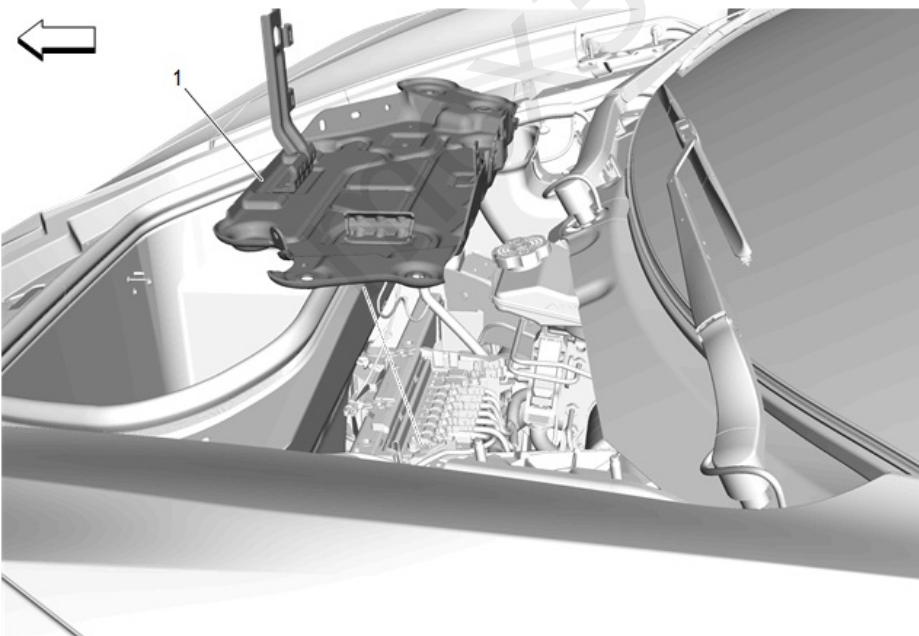
Refer to the procedure link for torque specification.

137. Air Conditioning Condenser and Evaporator Hose Fitting Nut (1) >> Install and tighten - Air Conditioning Condenser and Air Conditioning Evaporator Tube Replacement



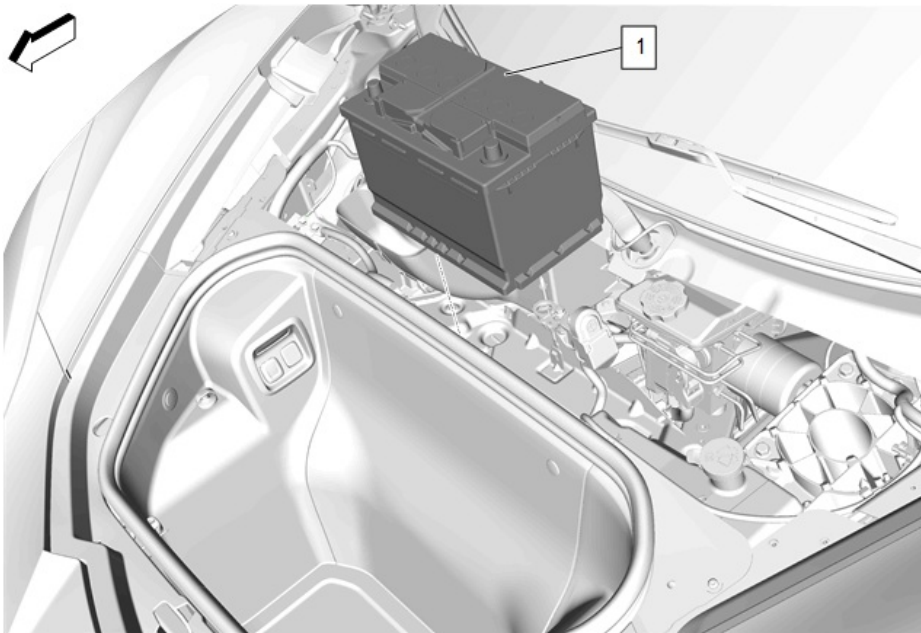
138.
[Click here for full size](#)

139. Air Inlet Housing Front Panel (1) >> Install - Air Inlet Housing Front Panel Replacement



140.
[Click here for full size](#)

141. Battery Tray (1) >> Install - Battery Tray Replacement



142.
[Click here for full size](#)

143. Battery (1) >>> Install - Battery Replacement

144. Connect the negative battery cable. Battery Negative Cable Disconnection and Connection

145. Fill the cooling system to the proper level. Cooling System Draining and Filling

146. Evacuate and charge the refrigerant system. Refrigerant Recovery and Recharging

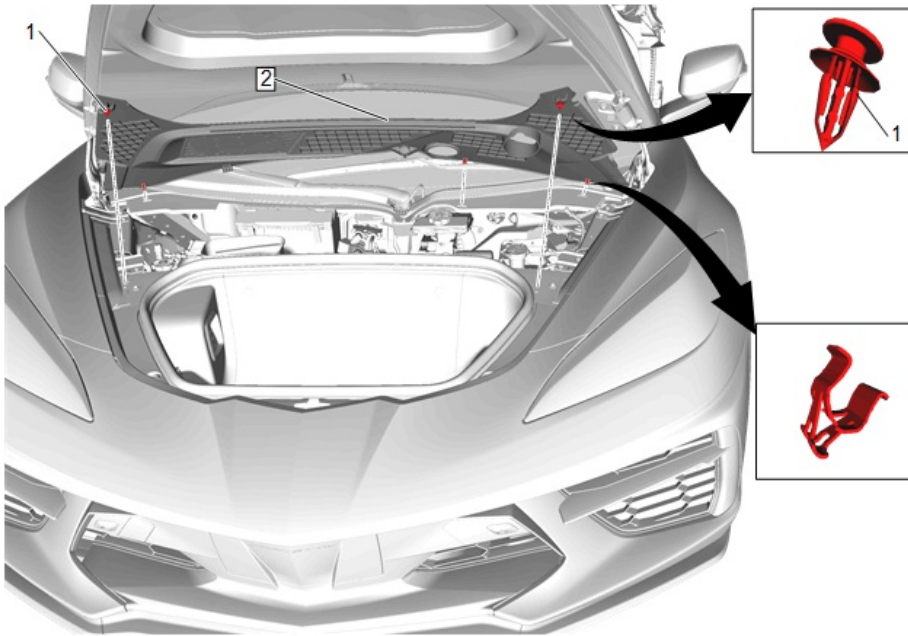
147. Inspect for coolant leaks.

148. Inspect for refrigerant leaks.



149.
[Click here for full size](#)

150. Front Compartment Front Panel (1) >>> Install - Front Compartment Front Panel Replacement



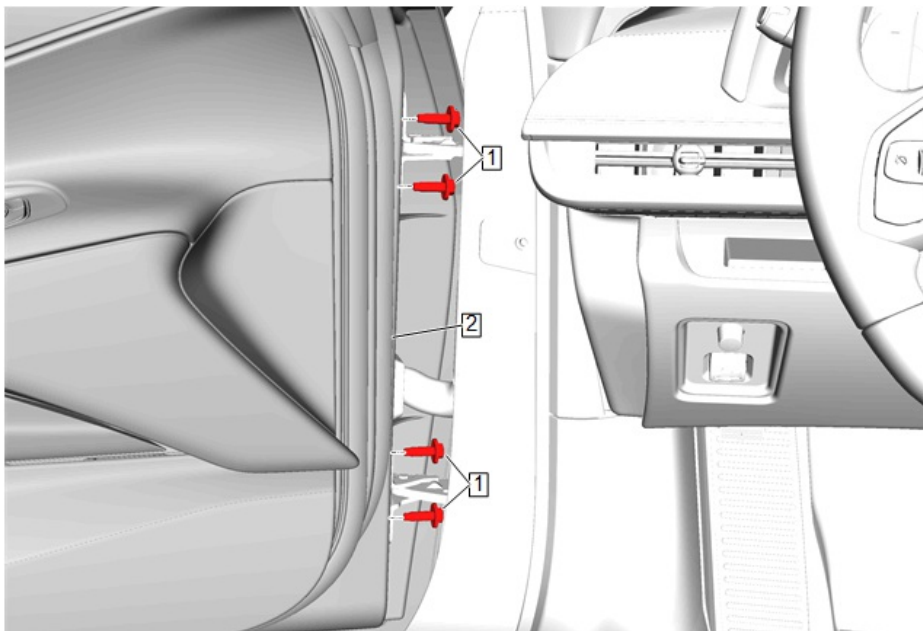
151.
[Click here for full size](#)

152. Front Compartment Rear Access Cover (2) >>> Install - Front Compartment Rear Access Cover Replacement



153.
[Click here for full size](#)

154. Install the left and right front seats (2). Front Seat Removal and Installation



155.
[Click here for full size](#)

156. Install the left door (2). Front Side Door Replacement

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