

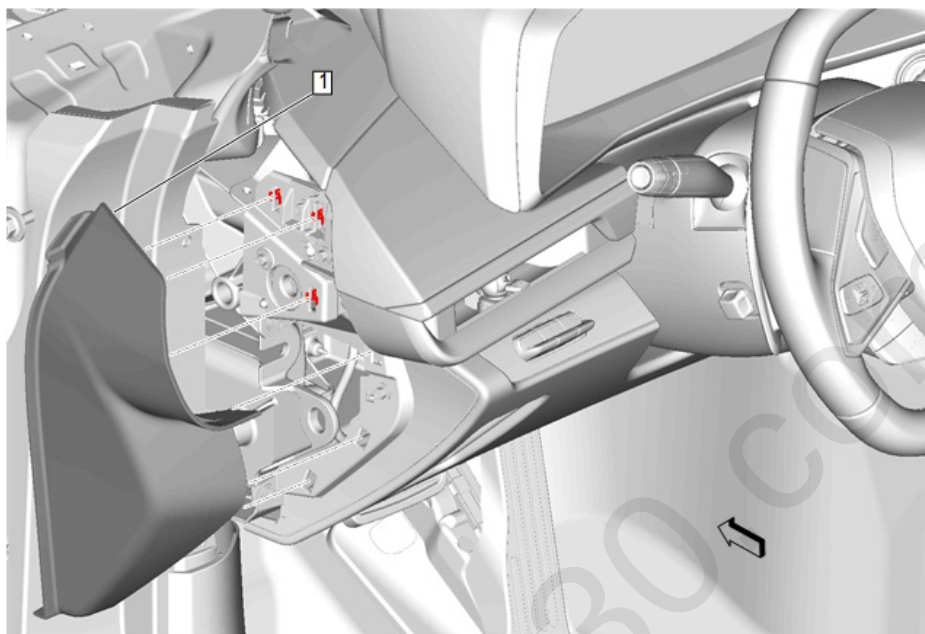
2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

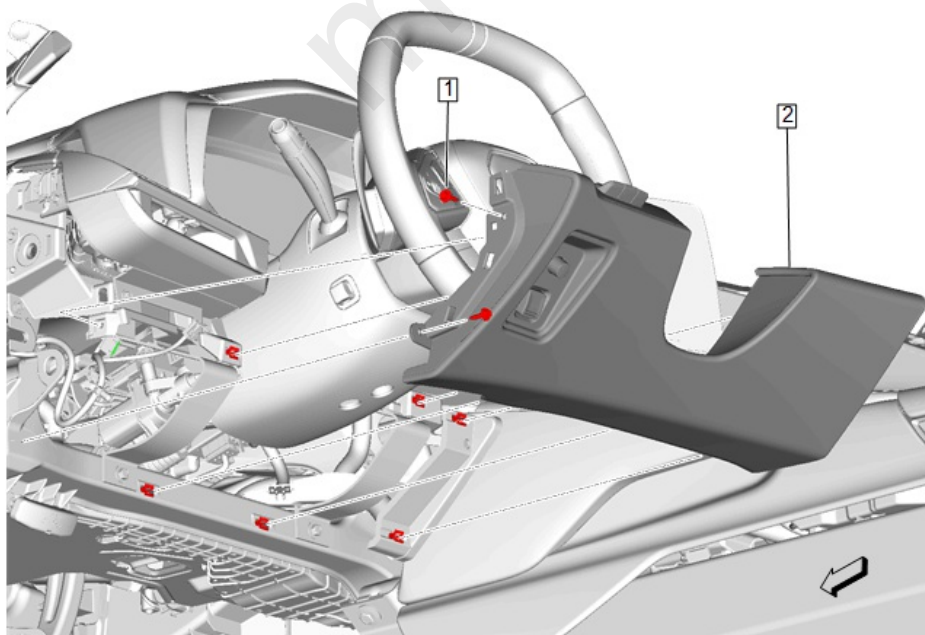
1. HVAC
2. **HVAC - Automatic**
3. **Repair Instructions**
- 4.

Air Conditioning Wiring Harness Replacement

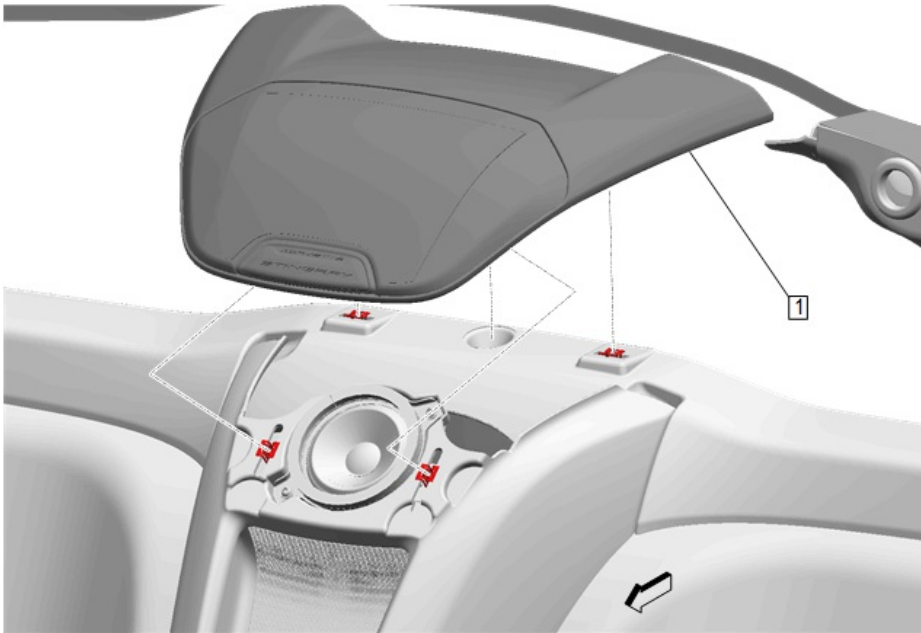
Removal Procedure



1.
Click here for full size
2. Remove the left and right instrument panel outer trim cover (1). Instrument Panel Outer Trim Cover Replacement



3.
Click here for full size
4. Instrument Panel Knee Bolster (2) >> Remove - Instrument Panel Knee Bolster Replacement



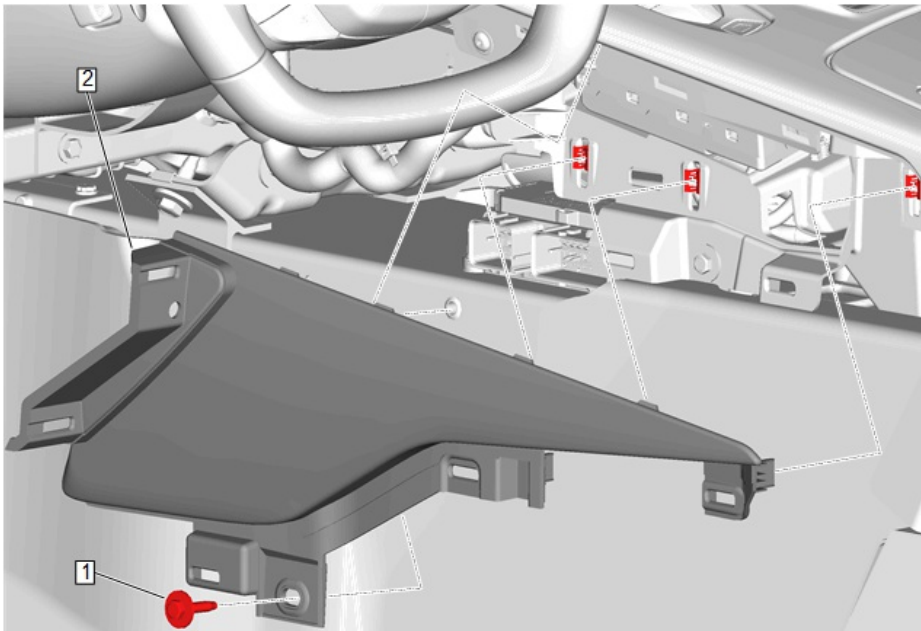
5.
[Click here for full size](#)

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



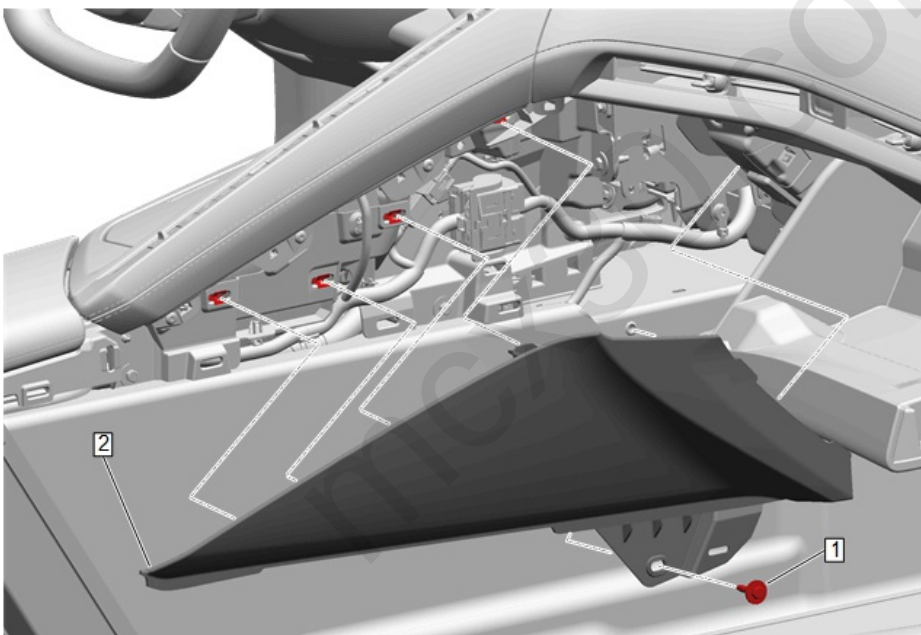
7.
[Click here for full size](#)

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



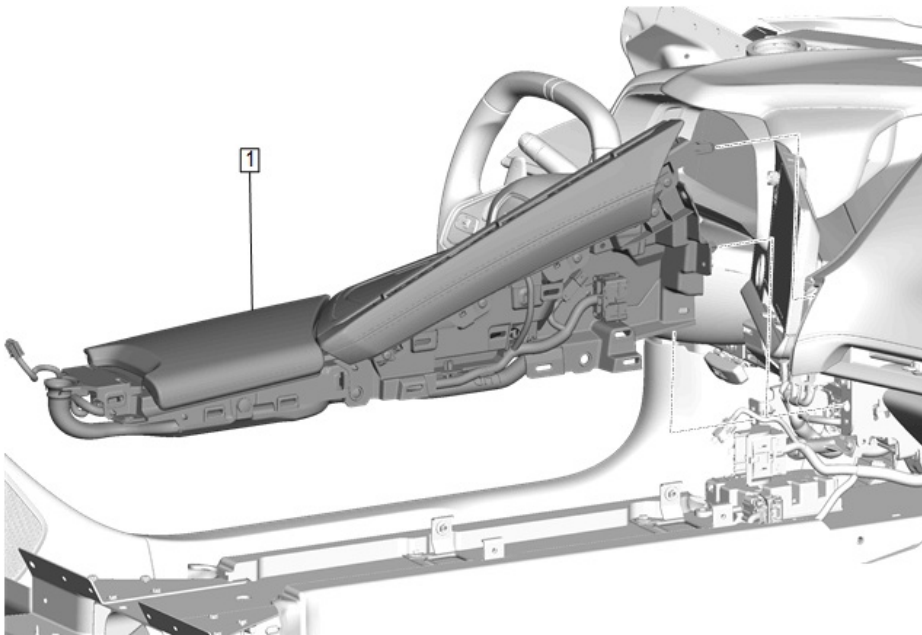
9.
[Click here for full size](#)

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



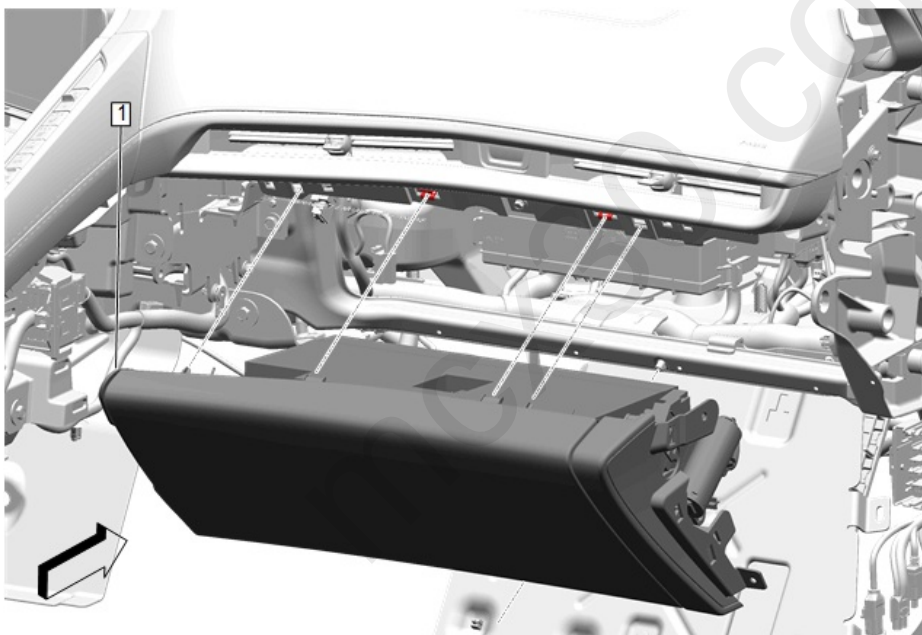
11.
[Click here for full size](#)

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



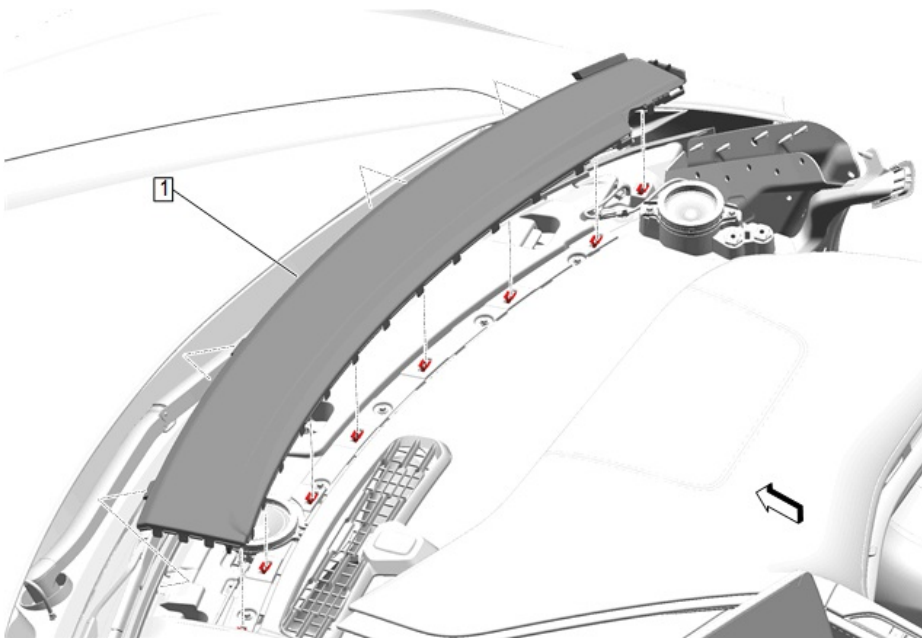
13.
[Click here for full size](#)

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



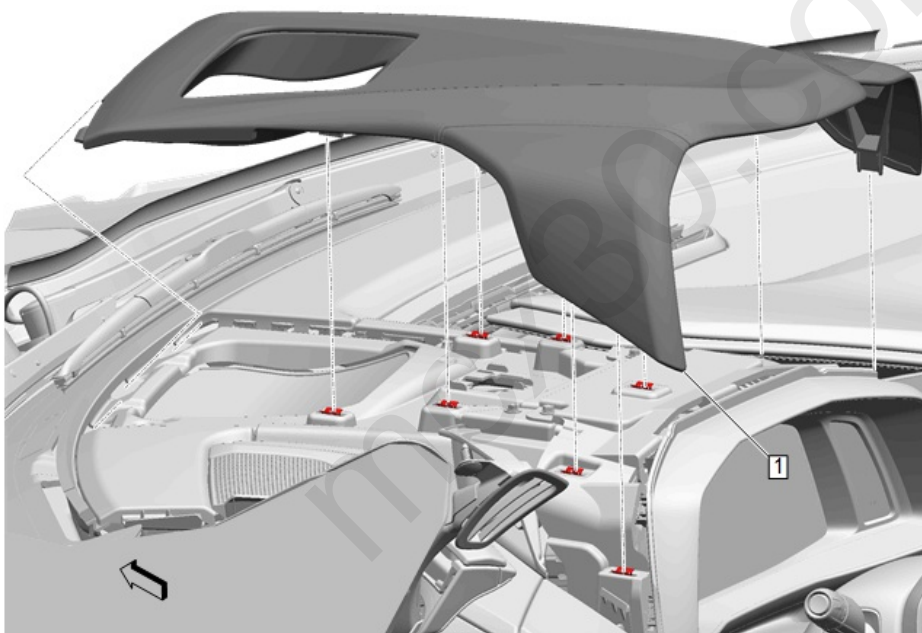
15.
[Click here for full size](#)

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



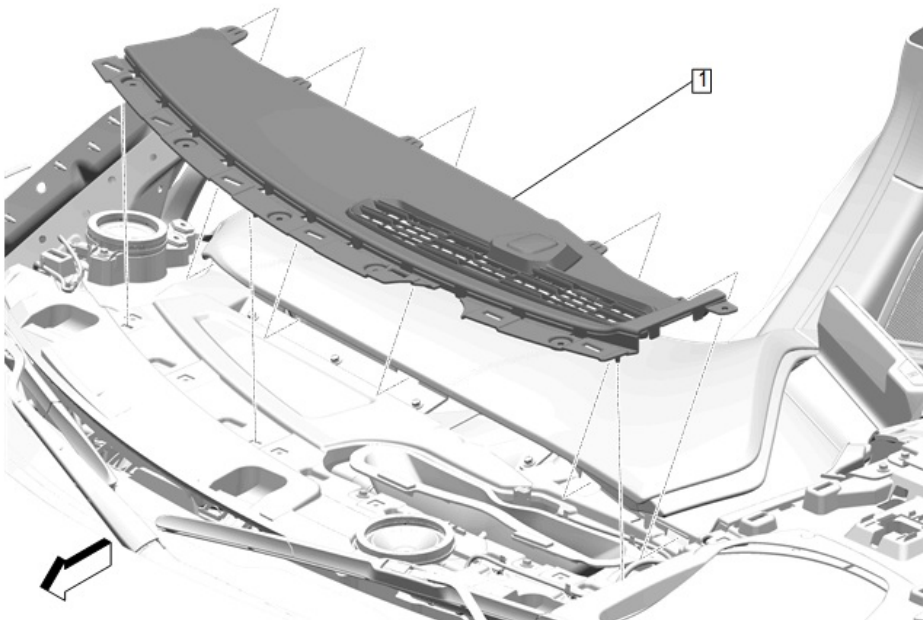
17.
[Click here for full size](#)

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



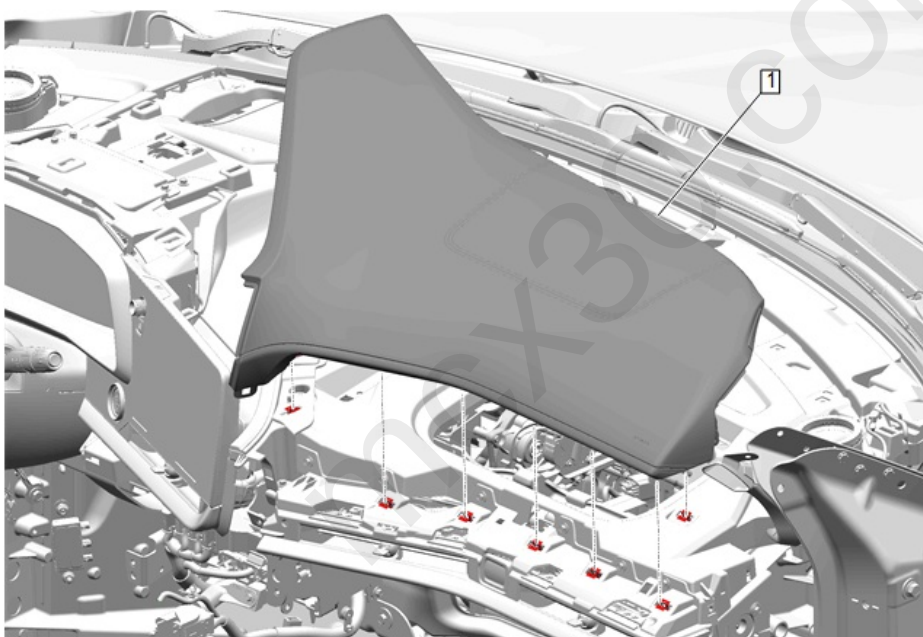
19.
[Click here for full size](#)

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



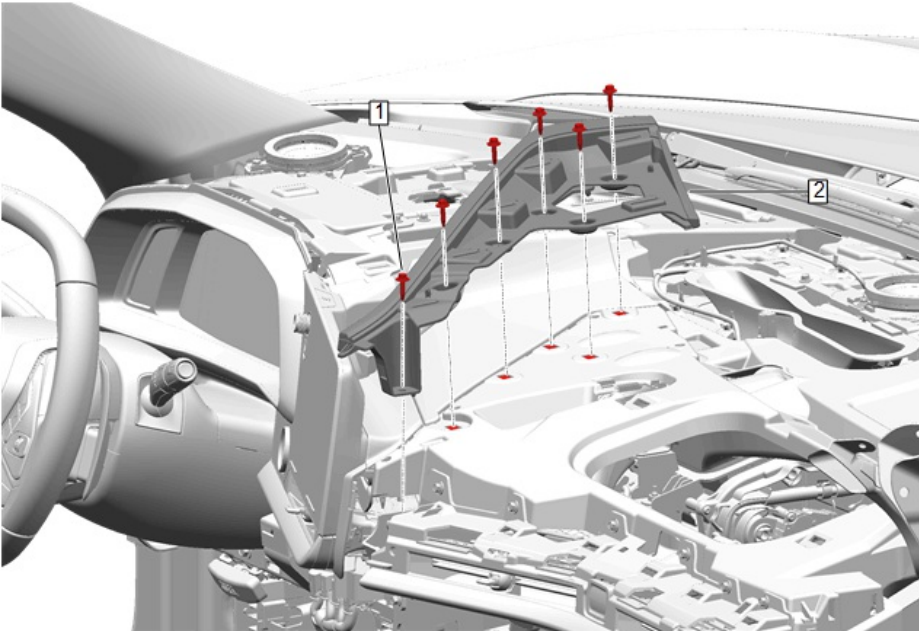
21.
[Click here for full size](#)

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



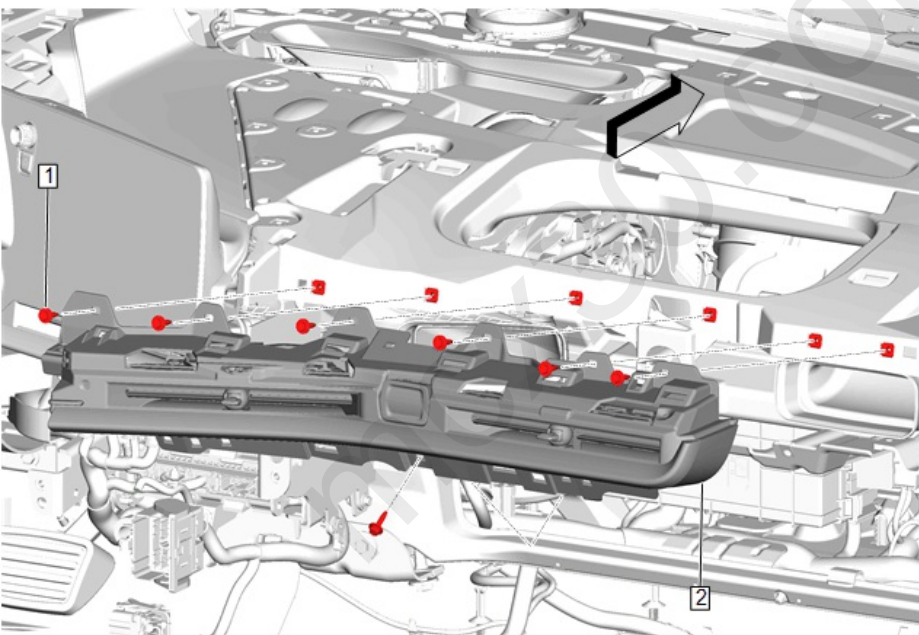
23.
[Click here for full size](#)

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



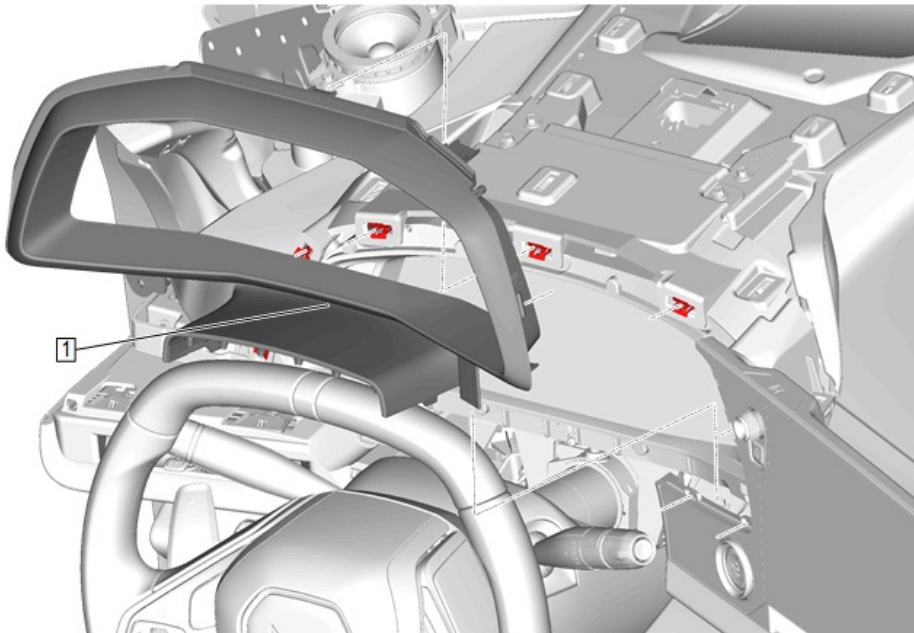
25.
[Click here for full size](#)

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



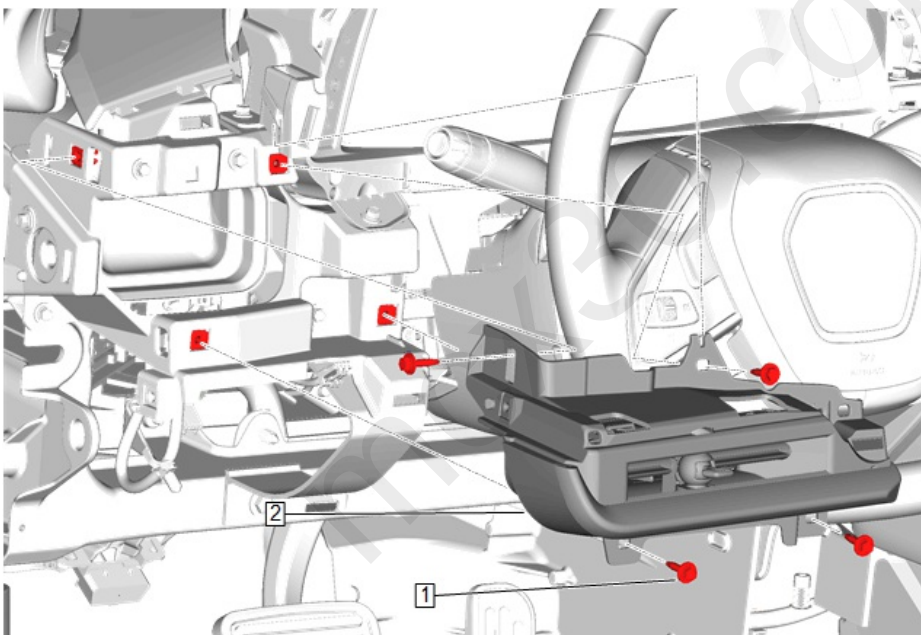
27.
[Click here for full size](#)

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



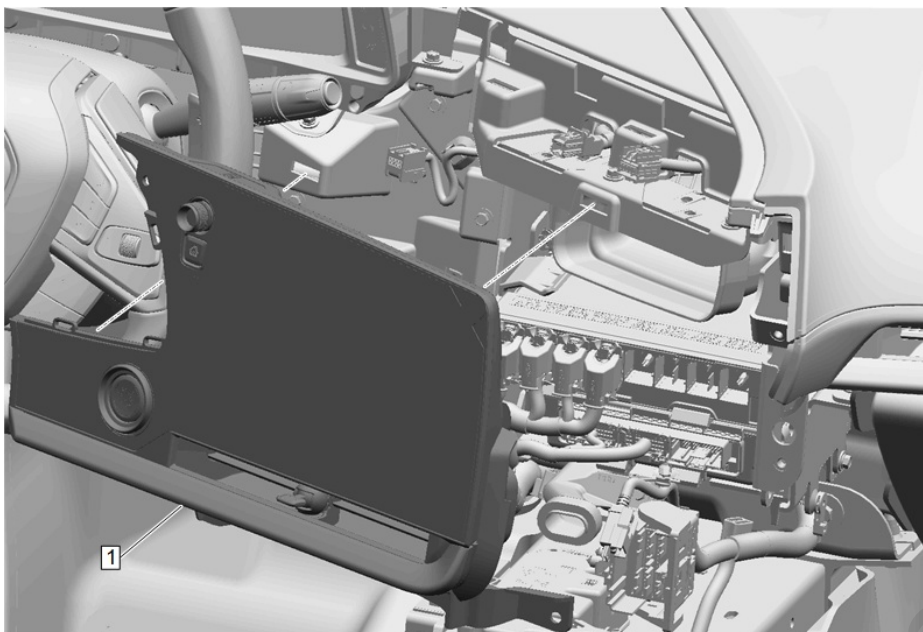
29.
[Click here for full size](#)

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



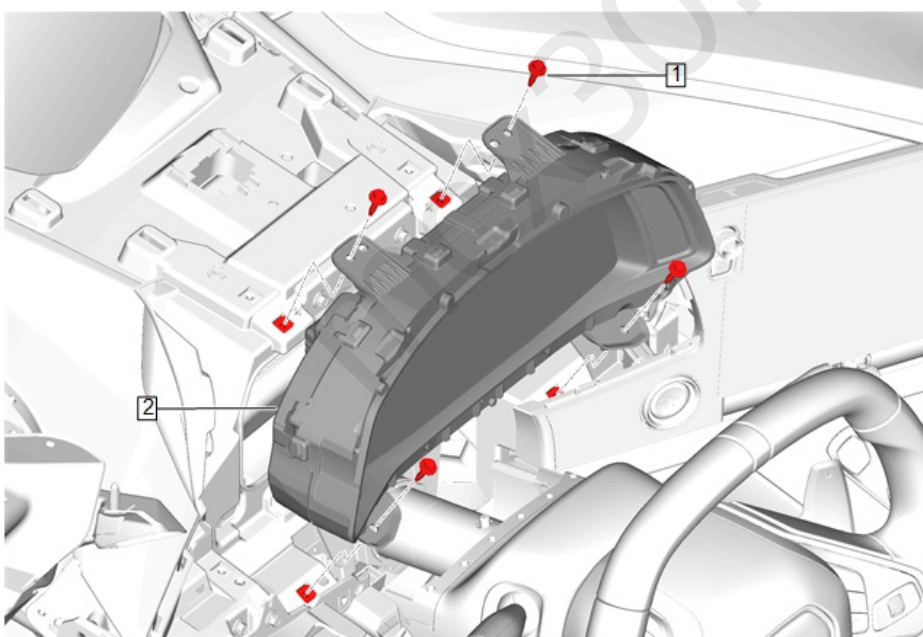
31.
[Click here for full size](#)

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



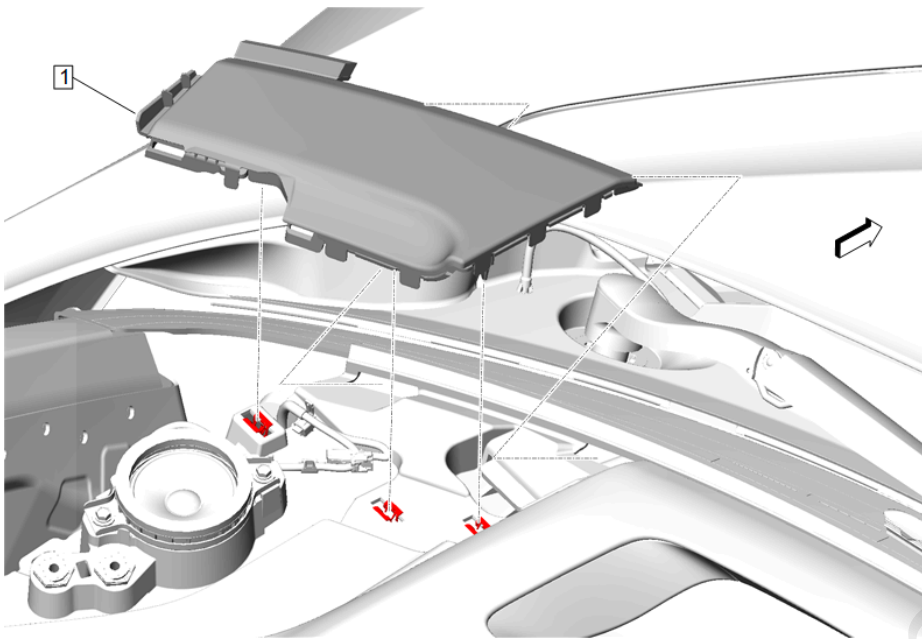
33.
[Click here for full size](#)

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



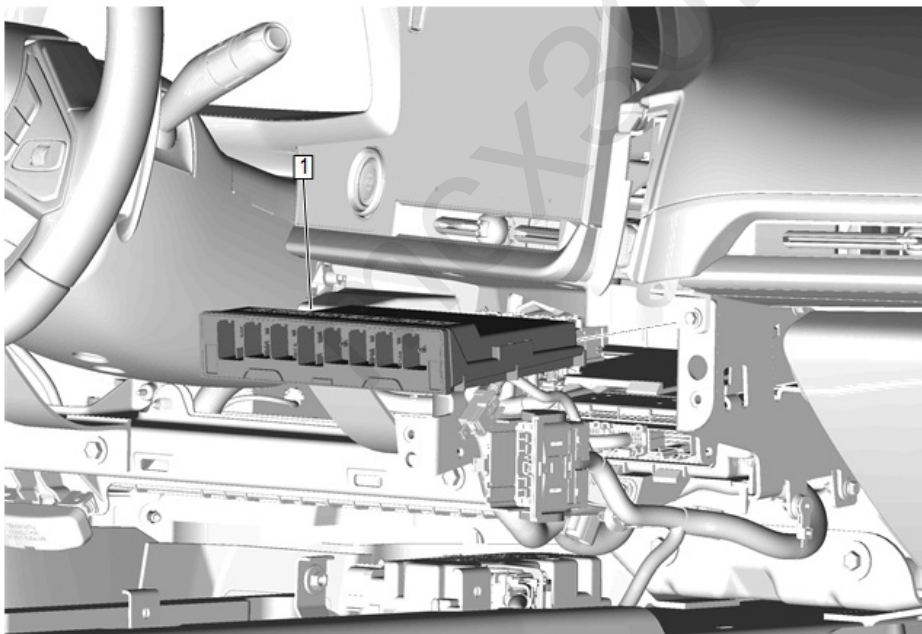
35.
[Click here for full size](#)

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



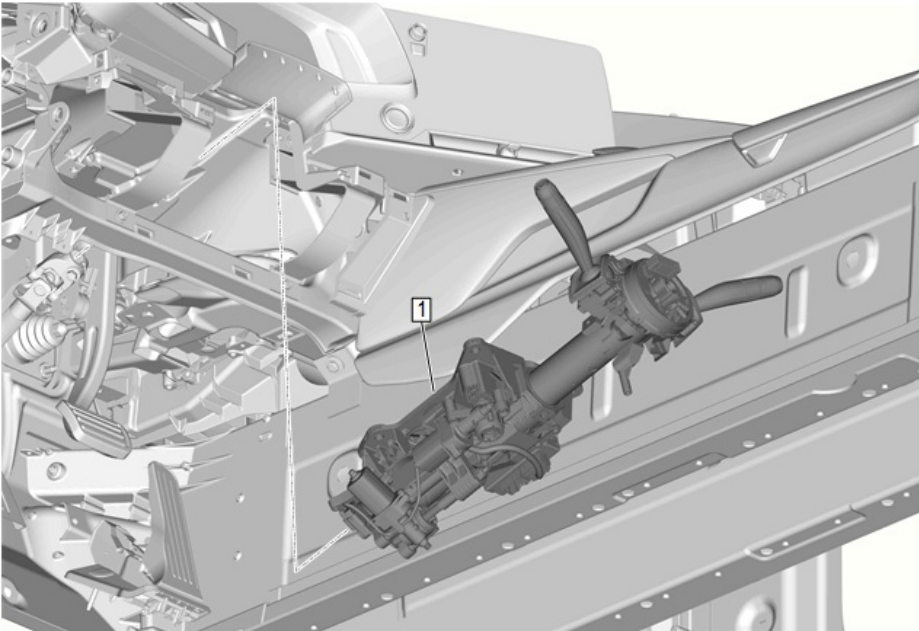
37.
[Click here for full size](#)

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



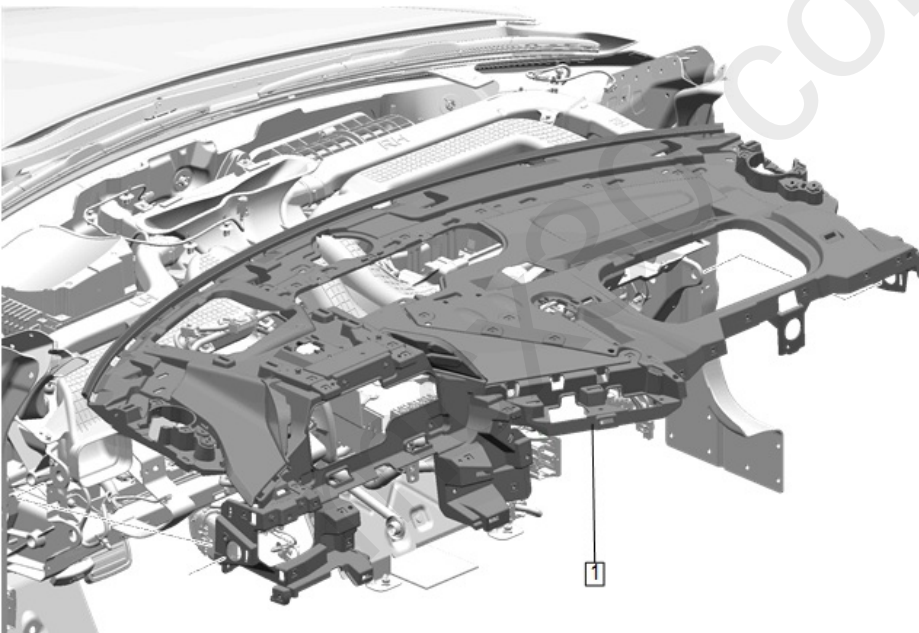
39.
[Click here for full size](#)

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



41.
[Click here for full size](#)

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

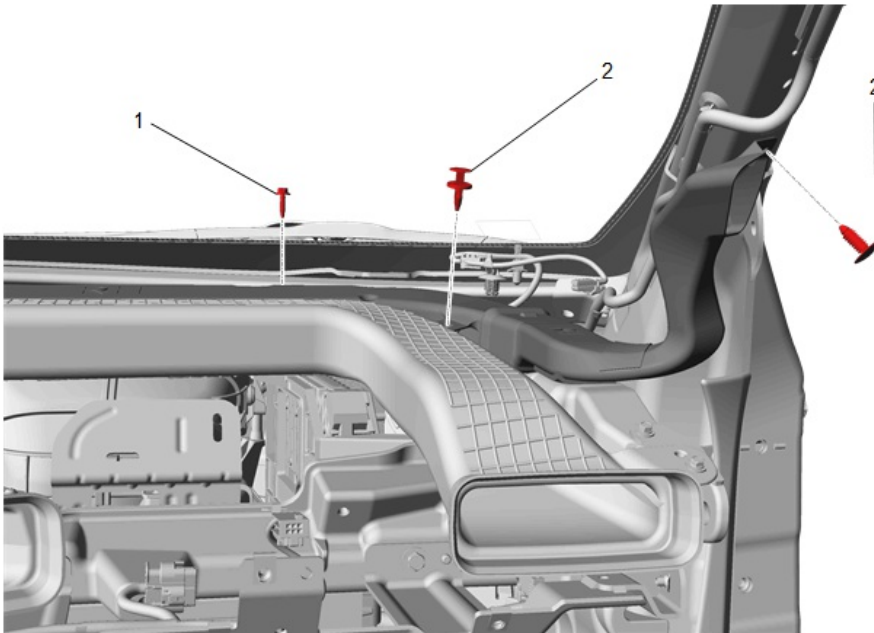


43.
[Click here for full size](#)

44. Note:

With the aid of an assistant, remove the instrument panel carrier assembly from the vehicle.

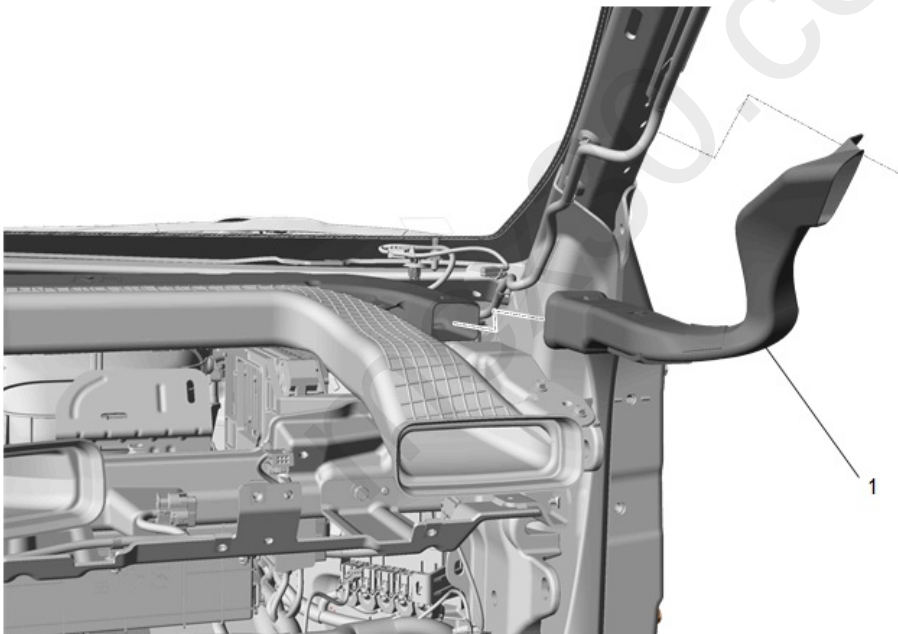
45. Instrument Panel Carrier (1) >> Remove - Instrument Panel Carrier Replacement



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

47. Side Window Defogger Outlet Duct Bolt (1) >> Remove

48. Side Window Defogger Outlet Duct Retainer (2) >>> Remove [2x]

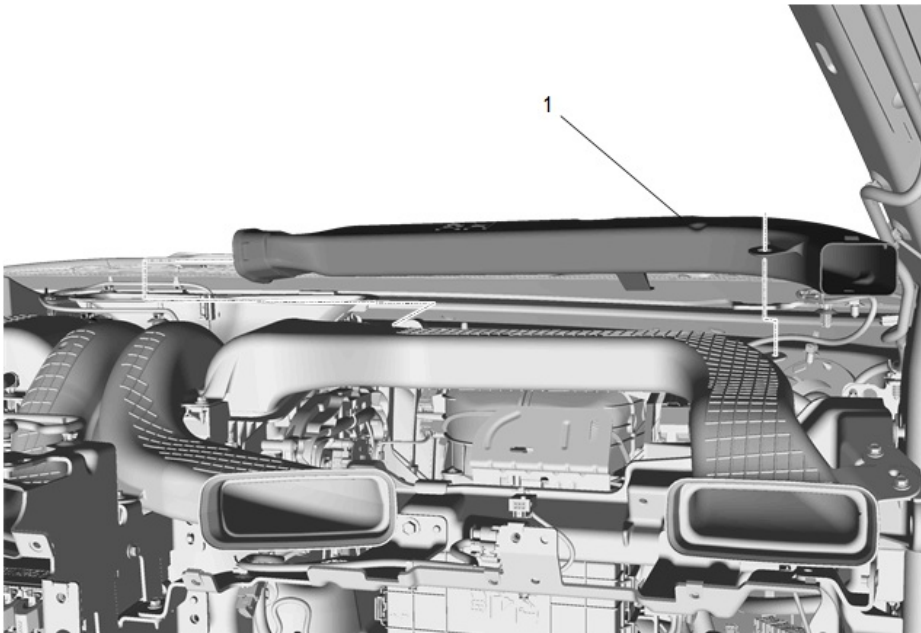


49. [Click here for full size](#)

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

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

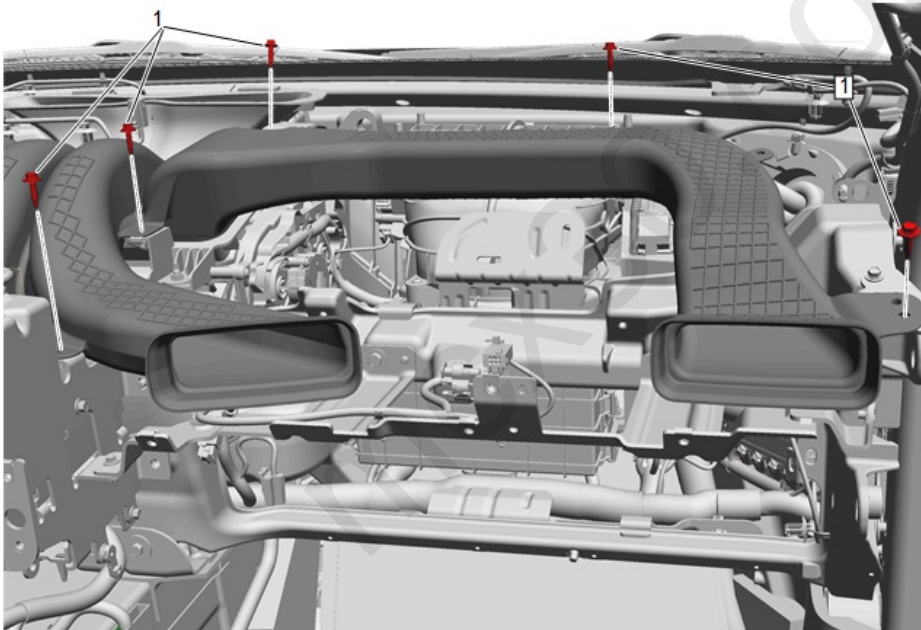
52. Instrument Panel Wiring Harness Retainer (1) @ Side Window Defogger Outlet Outer Duct - Right Side >> Remove



53.

[Click here for full size](#)

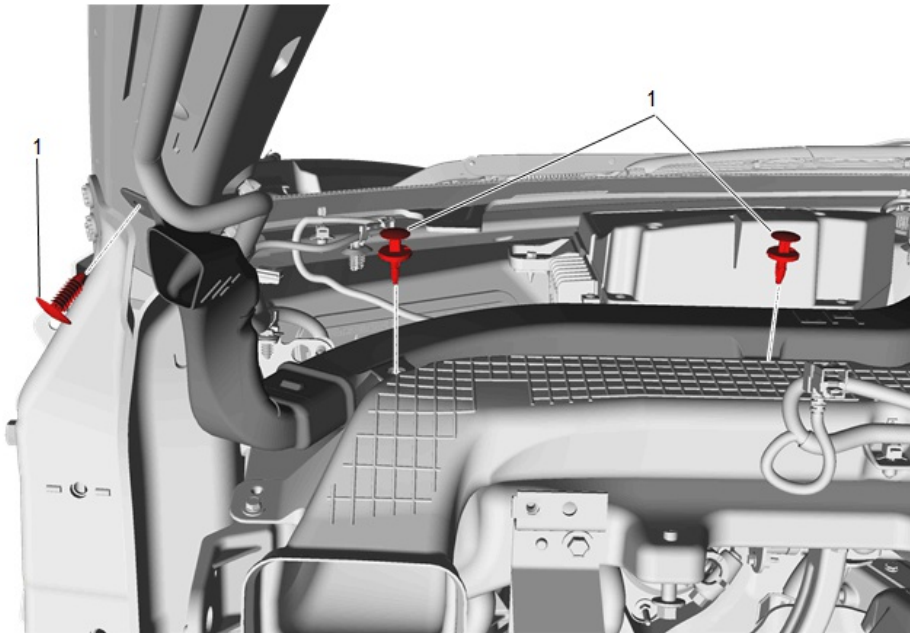
54. Side Window Defogger Outlet Outer Duct - Right Side (1) >>> Remove



55.

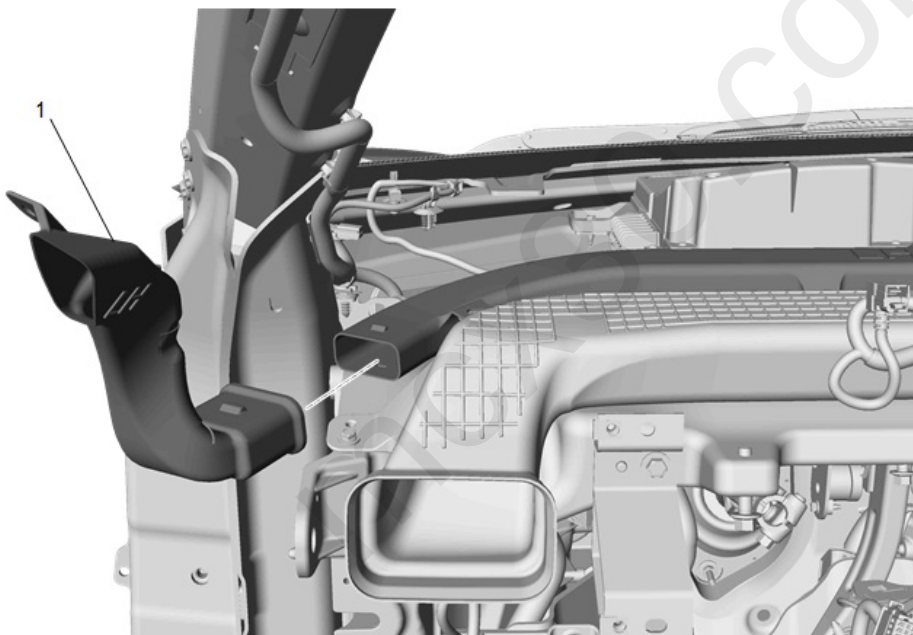
[Click here for full size](#)

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



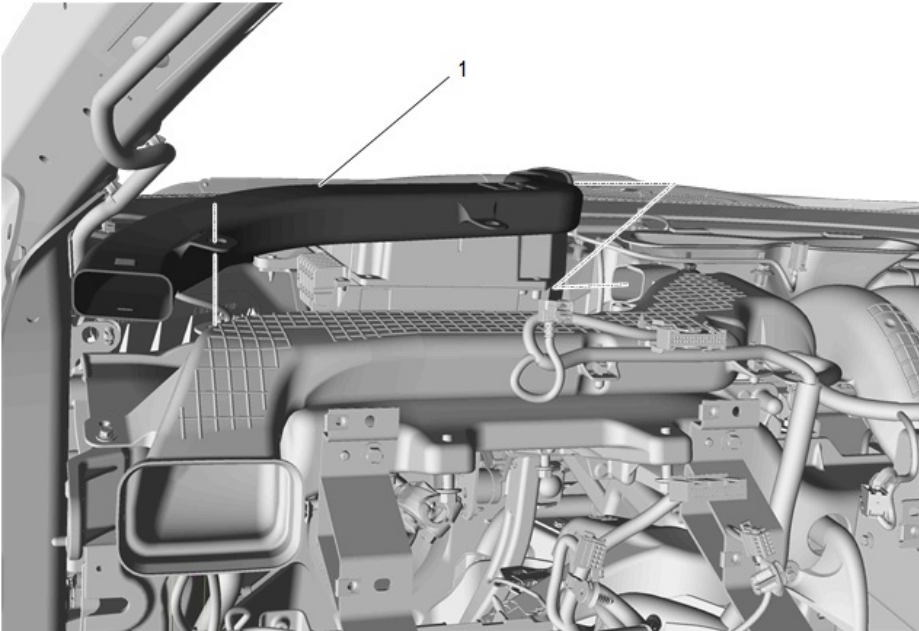
57.
[Click here for full size](#)

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



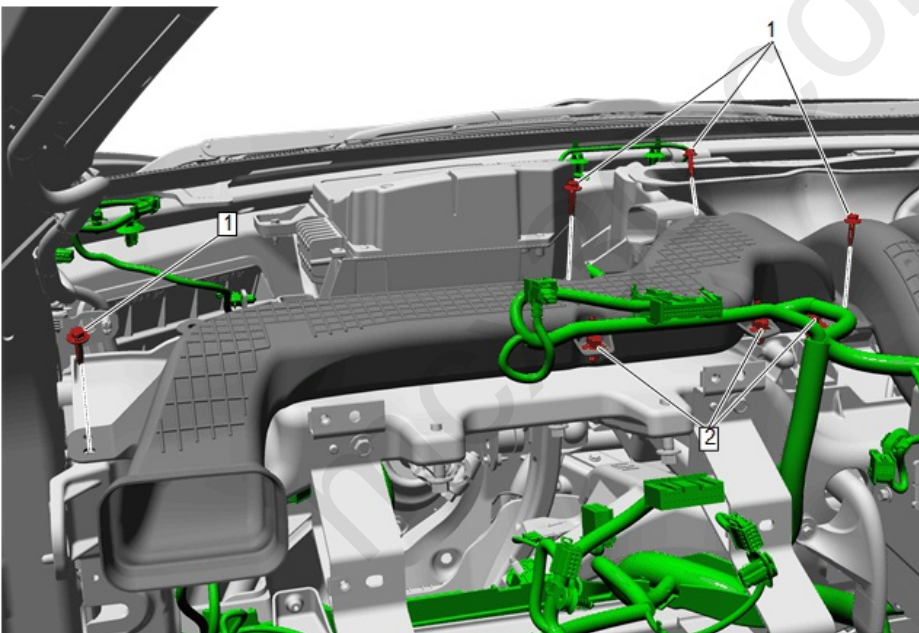
59.
[Click here for full size](#)

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



61.
[Click here for full size](#)

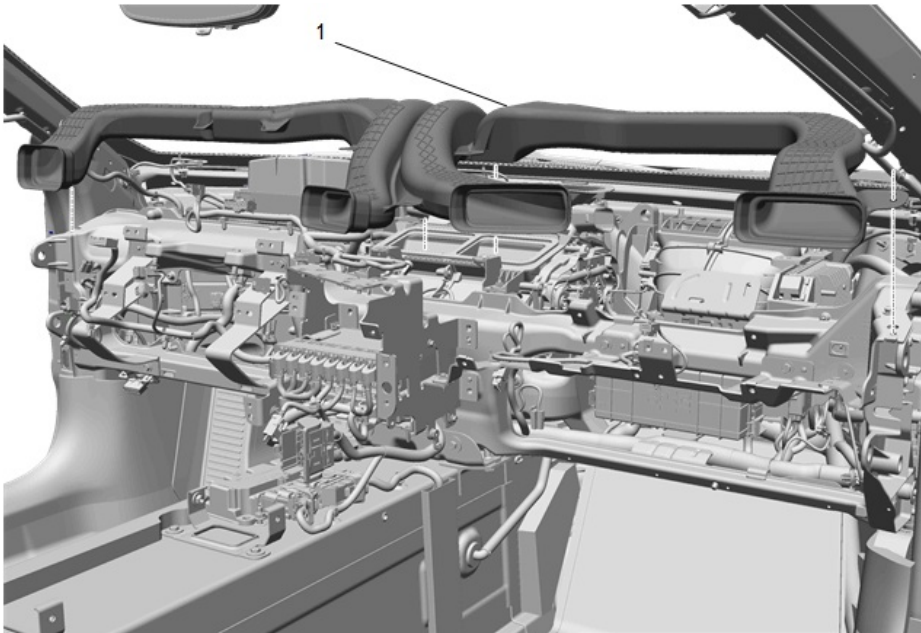
62. Side Window Defogger Outlet Duct - Left Side (1) >> Remove



63.
[Click here for full size](#)

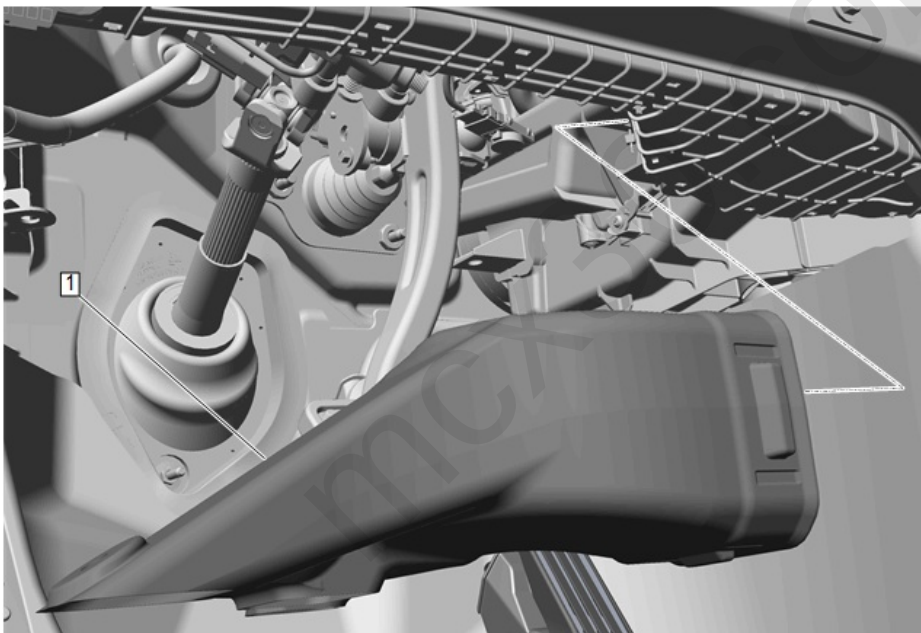
64. Instrument Panel Outer Air Outlet Duct Bolt (1) >> Remove [4x]

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



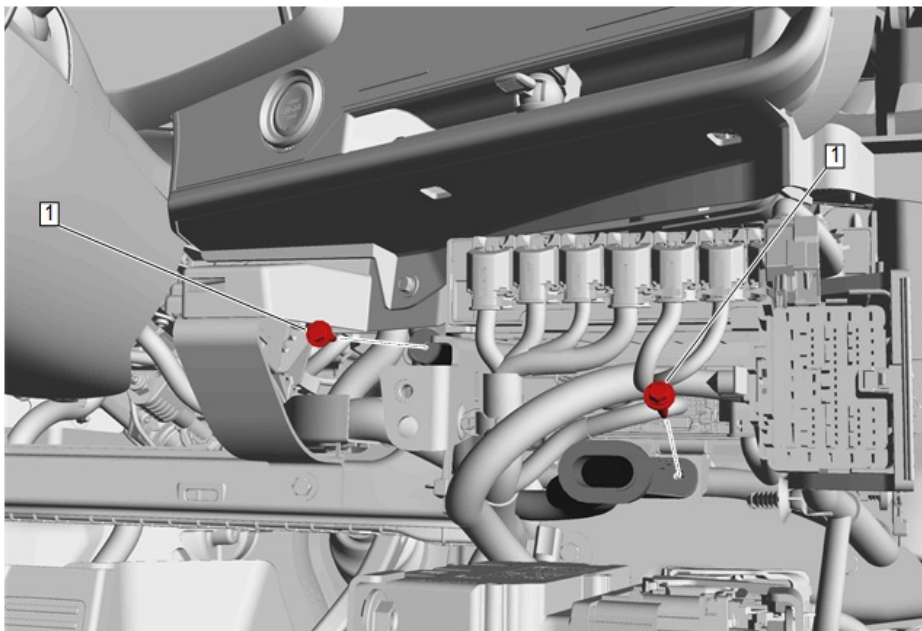
66.
[Click here for full size](#)

67. Instrument Panel Outer Air Outlet Duct (1) >> Remove



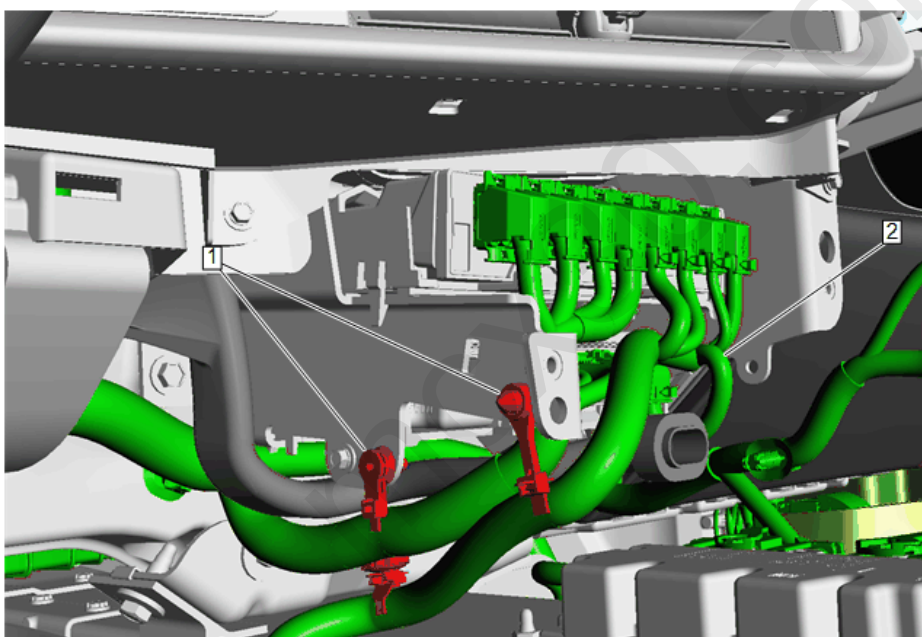
68.
[Click here for full size](#)

69. Floor Front Air Outlet Duct - Left Side (1) >> Remove - Floor Front Air Outlet Duct Replacement - Left Side



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

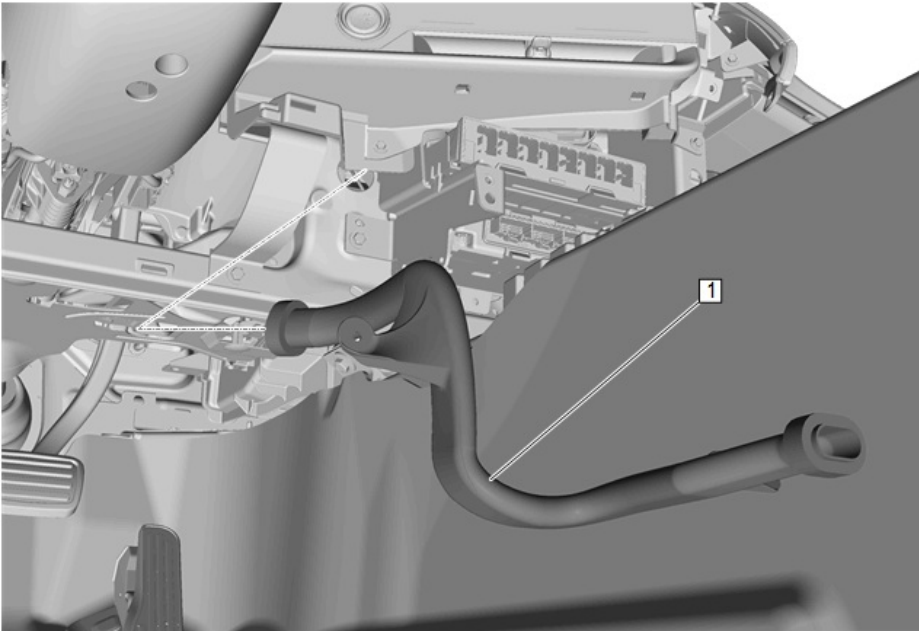
71. Front Floor Console Auxiliary Cooling Intermediate Duct Bolt (1) >> Remove [2x]



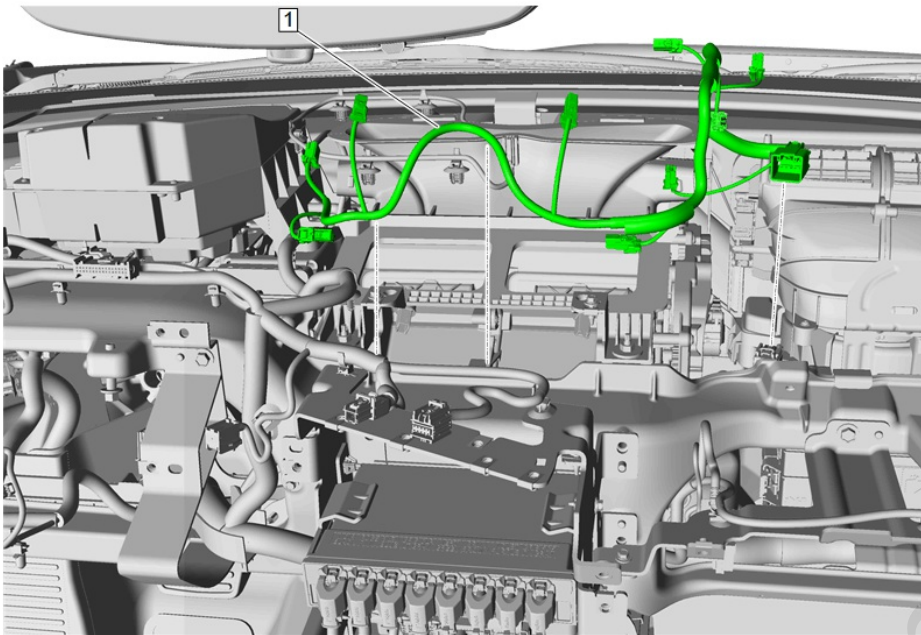
72.
[Click here for full size](#)

73. Unclip the wiring harness clips. (1)[2x]

74. Disconnect the electrical wiring harness connectors and position the electrical wiring harnesses (2) out of the way.



- 75. [Click here for full size](#)
- 76. Front Floor Console Auxiliary Cooling Intermediate Duct (1) >> Remove
- 77. [Click here for full size](#)
- 78. Instrument Panel Upper Bolt (1) >> Remove
- 79. Instrument Panel Tie Bar Bolt (2) >> Remove [2x]
- 80. [Click here for full size](#)
- 81. Air Conditioning Wiring Harness (1) @ Floor Air Temperature Sensor >> Disconnect
- 82. Instrument Panel Tie Bar Bolt (2) >> Remove [2x]
- 83. Instrument Panel Tie Bar Bracket (3) >> Reposition away
- 84. [Click here for full size](#)
- 85. Disconnect the air conditioning wiring harness (1) from the heater and air conditioning evaporator and blower module.

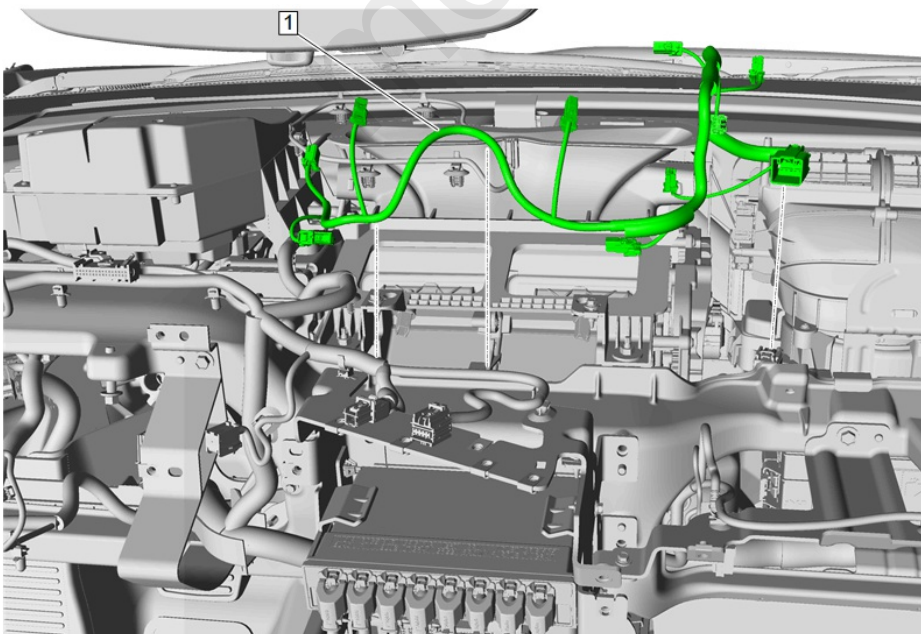


86. [Click here for full size](#)
87. Note:

Note the location and routing of the wiring harness to ensure proper reinstallation.

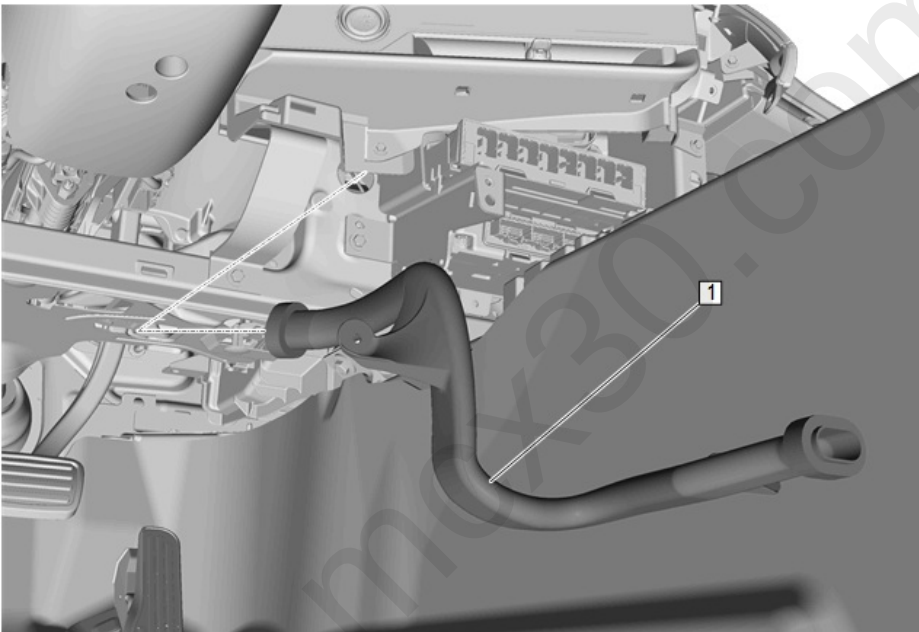
88. Disconnect the electrical connectors and maneuver the air conditioning wiring harness (1) out from behind the instrument panel tie bar.

Installation Procedure

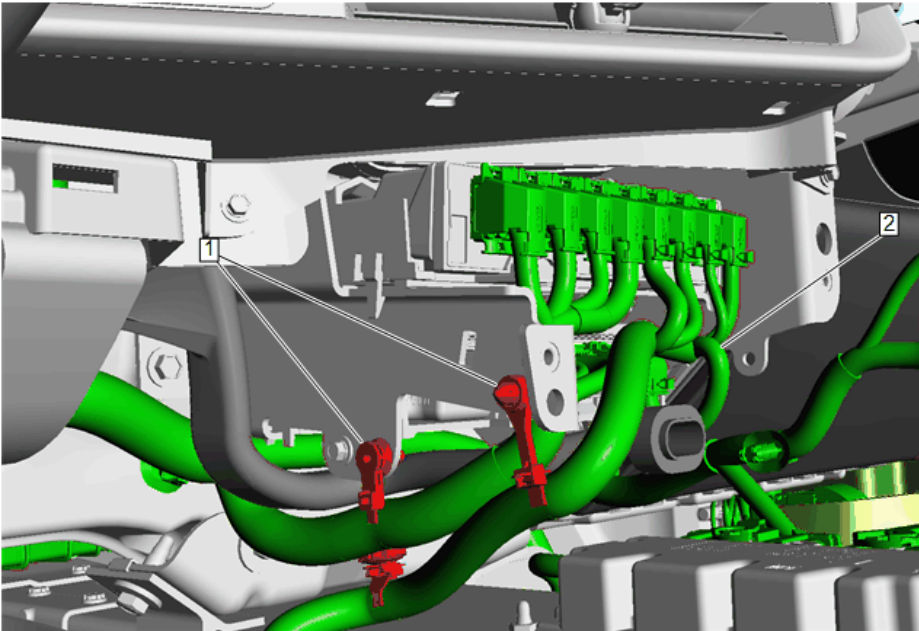


1. [Click here for full size](#)

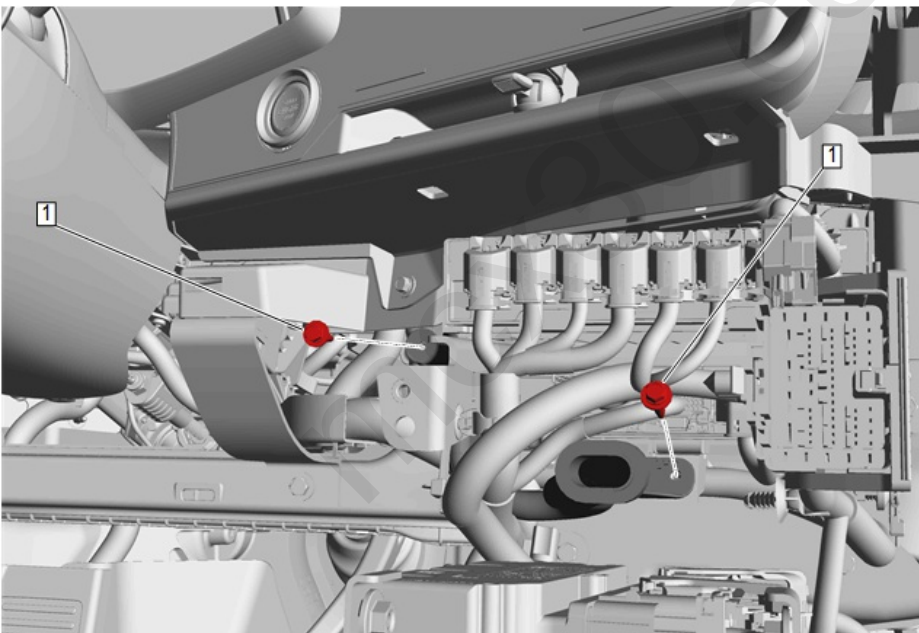
2. Maneuver the air conditioning wiring harness (1) back behind the instrument panel tie bar and connect the electrical connectors as noted prior to removal.
3. [Click here for full size](#)
4. Connect the air conditioning wiring harness (1) onto the heater and air conditioning evaporator and blower module.
5. [Click here for full size](#)
6. Instrument Panel Tie Bar Bracket (3) >> Install
7. Caution:
Refer to Fastener Caution.
8. Instrument Panel Tie Bar Bolt (2) >> Install and tighten [2x]9 N-m (80 lb in)
9. Air Conditioning Wiring Harness (1) @ Floor Air Temperature Sensor >> Connect
10. [Click here for full size](#)
11. Instrument Panel Tie Bar Bolt (2) >> Install and tighten [2x]9 N-m (80 lb in)
12. Instrument Panel Upper Bolt (1) >> Install and tighten 2.5 N-m (22 lb in)



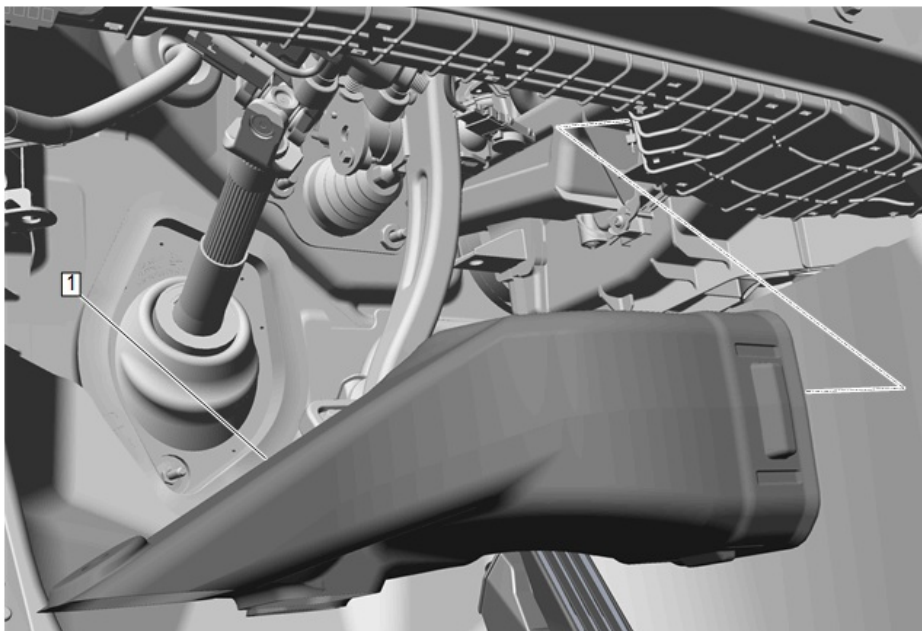
13. [Click here for full size](#)
14. Front Floor Console Auxiliary Cooling Intermediate Duct (1) >> Install



15. [Click here for full size](#)
16. Position the electrical wiring harnesses (2) to the harnesses original routing, and connect the electrical wiring harness connectors.
17. Wiring Harness Clip (1) >> Clip [2x]

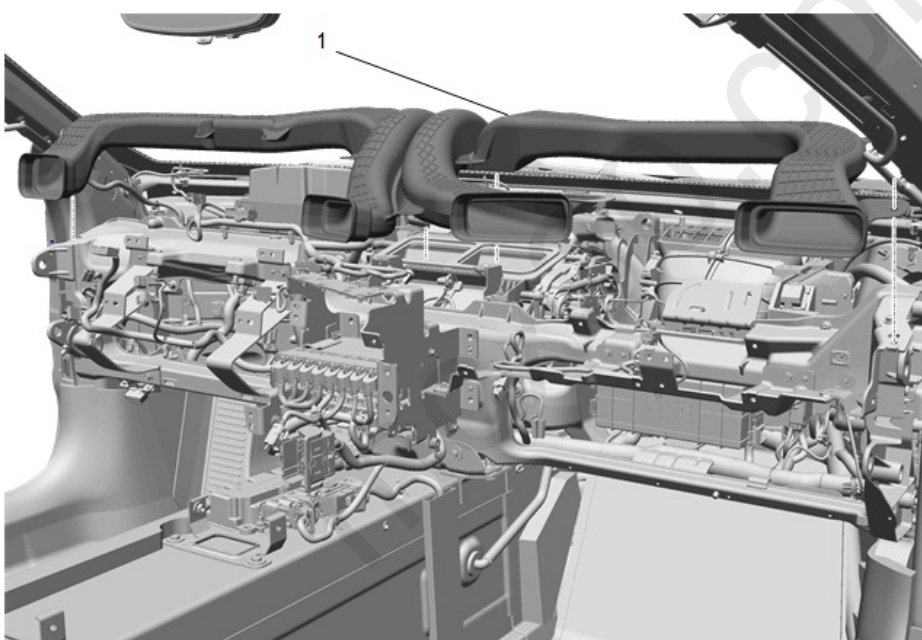


18. [Click here for full size](#)
19. Note:
Refer to the procedure link for torque specification.
20. Front Floor Console Auxiliary Cooling Intermediate Duct Bolt (1) >> Install [2x] - Front Floor Console Auxiliary Cooling Intermediate Duct Replacement



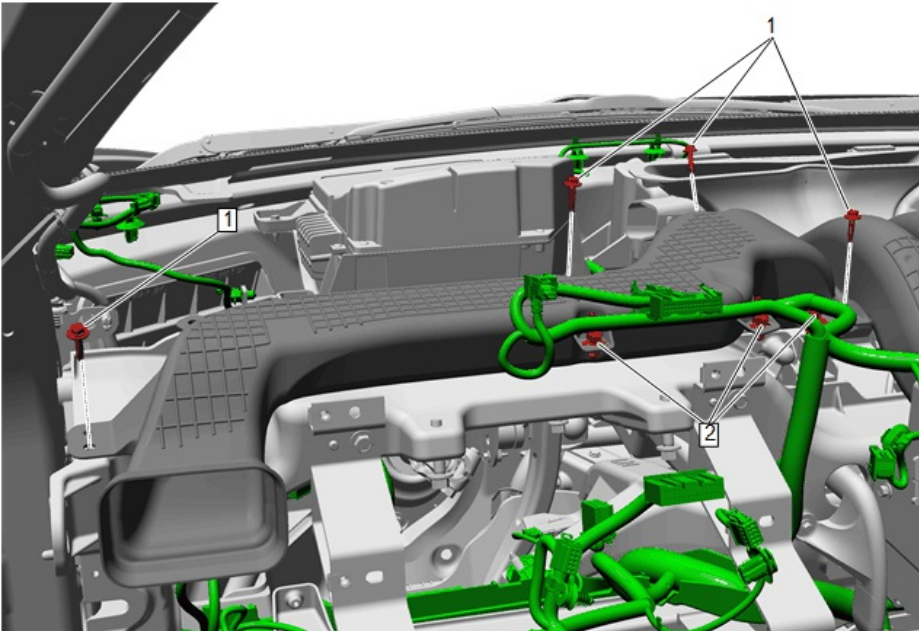
21.
[Click here for full size](#)

22. Floor Front Air Outlet Duct - Left Side (1) >> Install - Floor Front Air Outlet Duct Replacement - Left Side

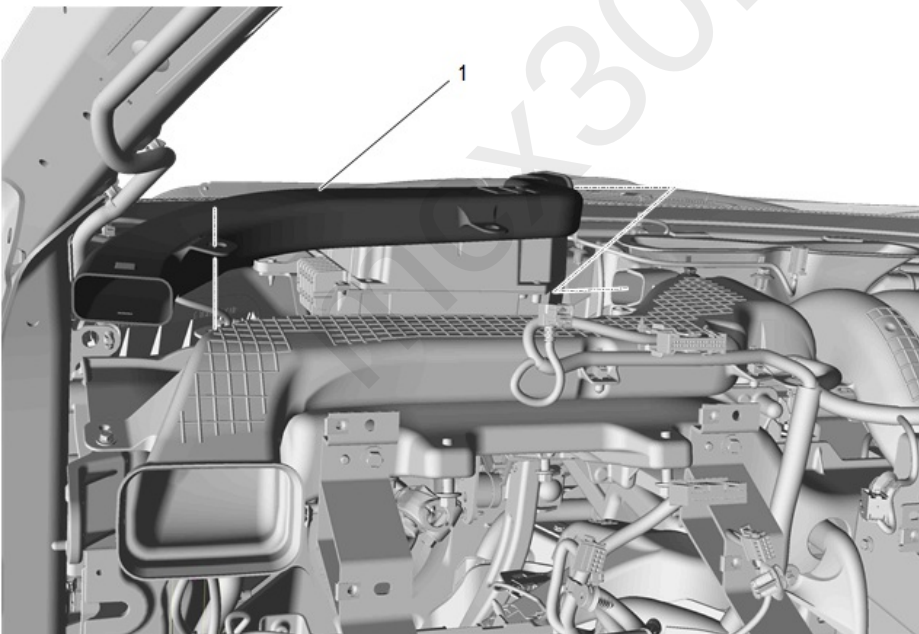


23.
[Click here for full size](#)

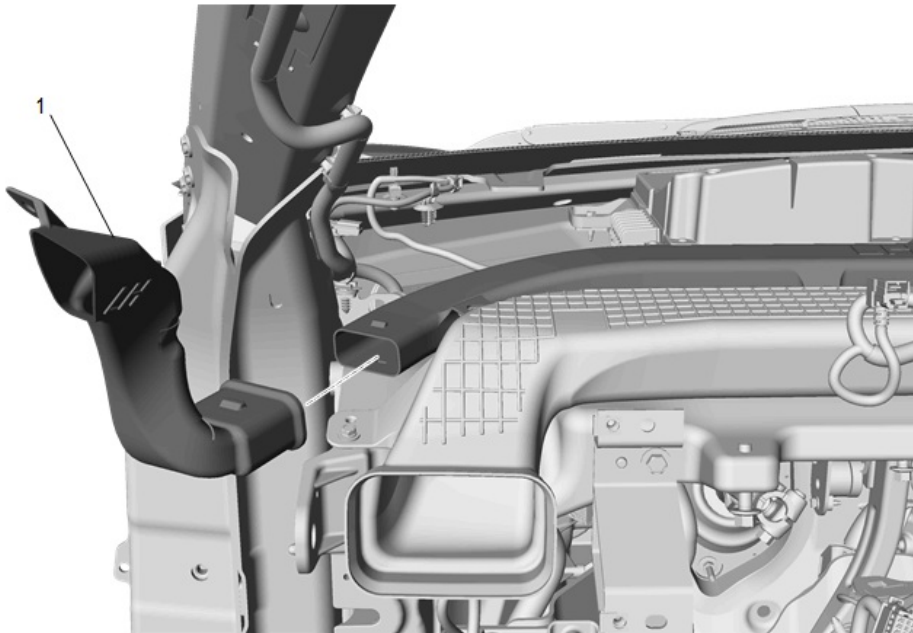
24. Instrument Panel Outer Air Outlet Duct (1) >> Install



25. [Click here for full size](#)
26. Wiring Harness Retainer (2) @ Instrument Panel Outer Air Outlet Duct >> Install [3x]
27. Note:
Refer to the procedure link for torque specification.
28. Instrument Panel Outer Air Outlet Duct Bolt (1) >> Install [4x] - Instrument Panel Outer Air Outlet Duct Replacement

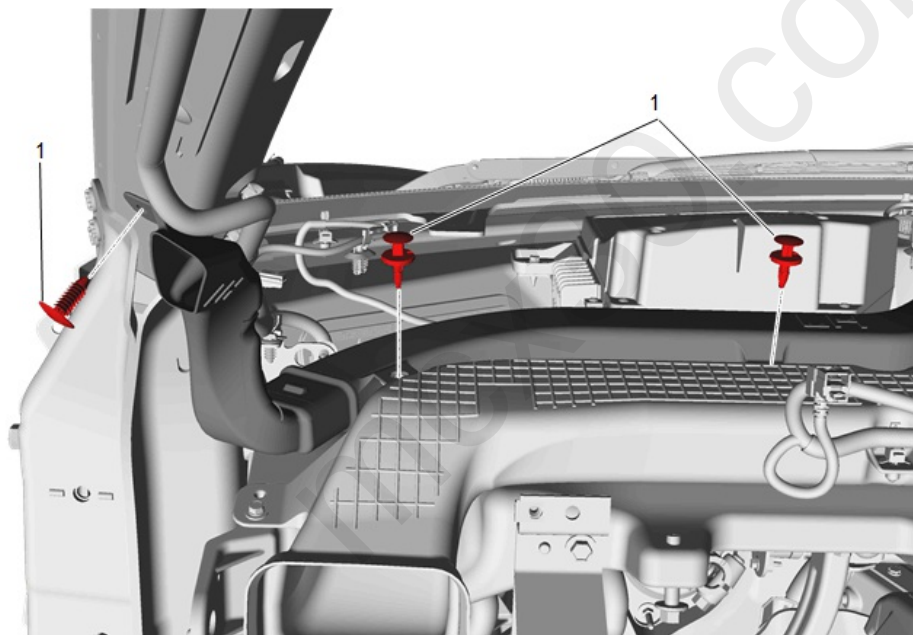


29. [Click here for full size](#)
30. Side Window Defogger Outlet Duct - Left Side (1) >> Install



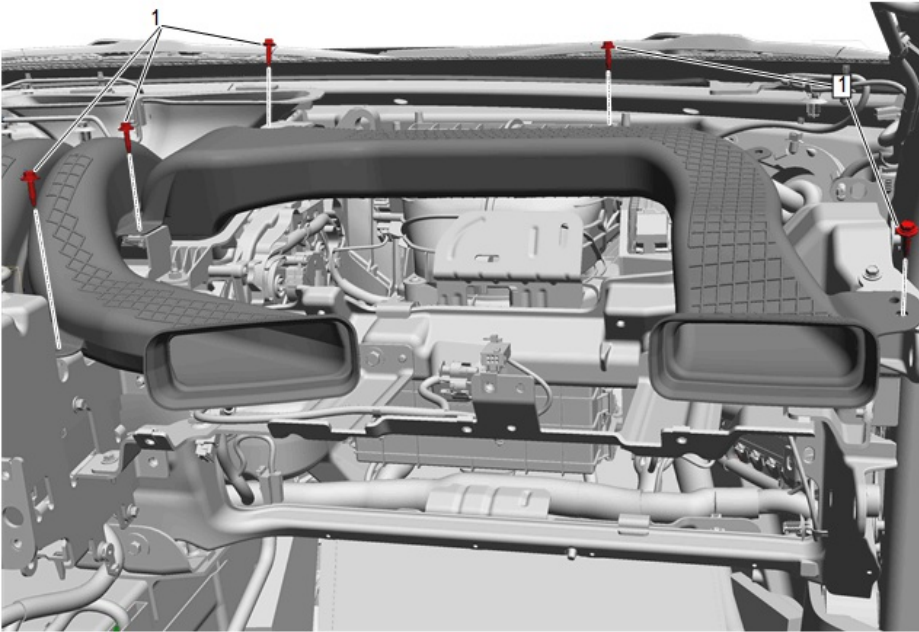
31.
[Click here for full size](#)

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



33.
[Click here for full size](#)

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



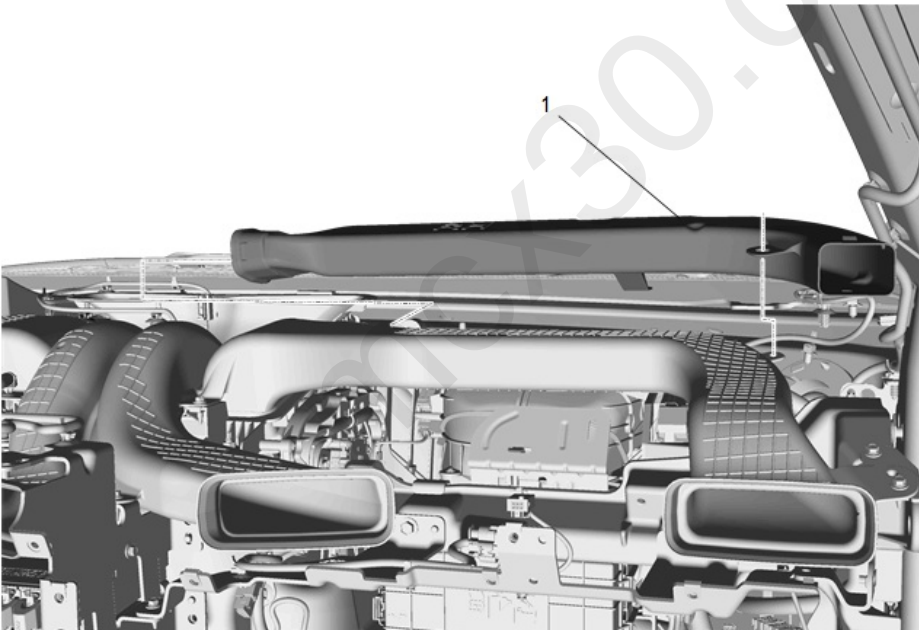
35.

[Click here for full size](#)

36. Note:

Refer to the procedure link for torque specification.

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



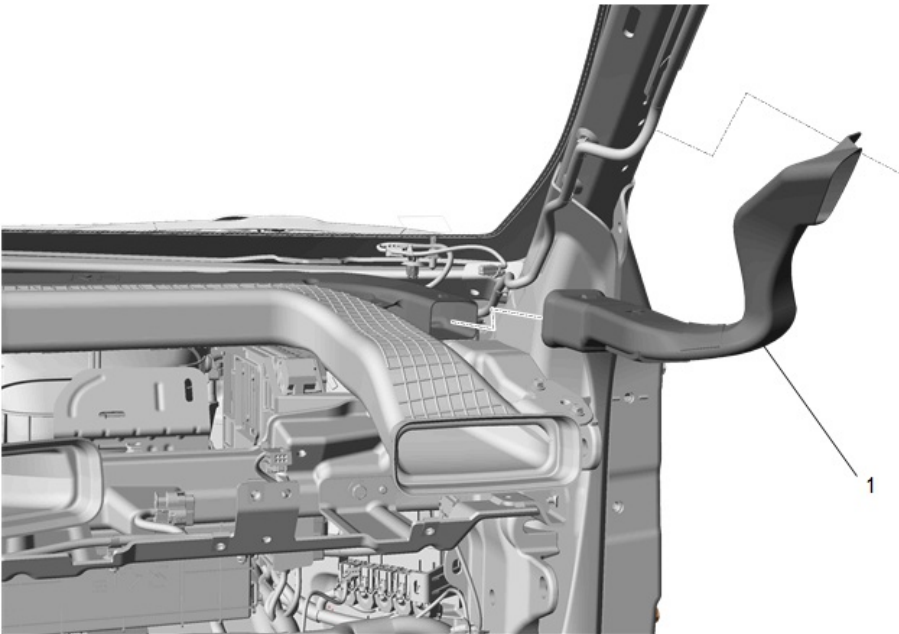
38.

[Click here for full size](#)

39. Side Window Defogger Outlet Outer Duct - Right Side (1) >> Install

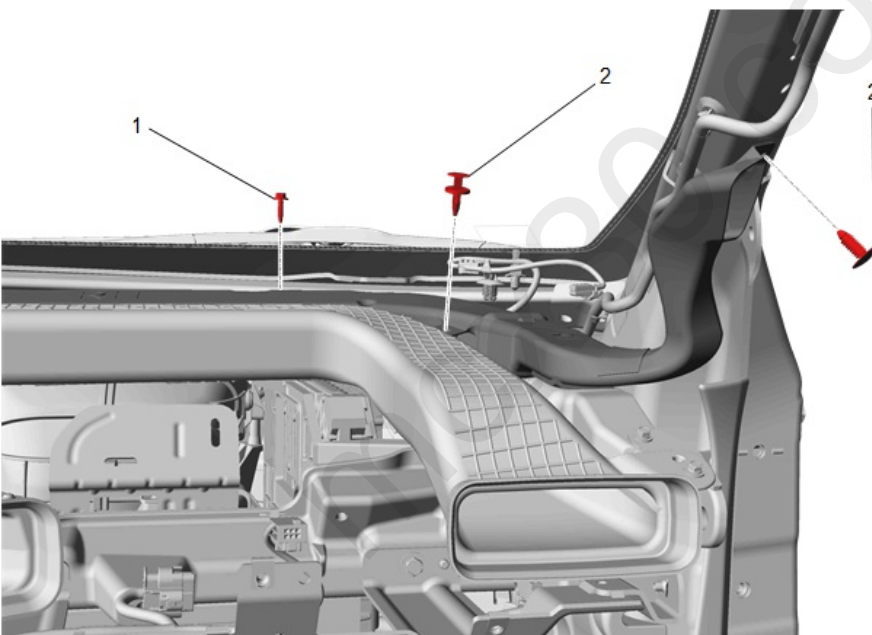
40. [Click here for full size](#)

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



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

43. Side Window Defogger Outlet Outer Duct - Right Side (1) >> Install



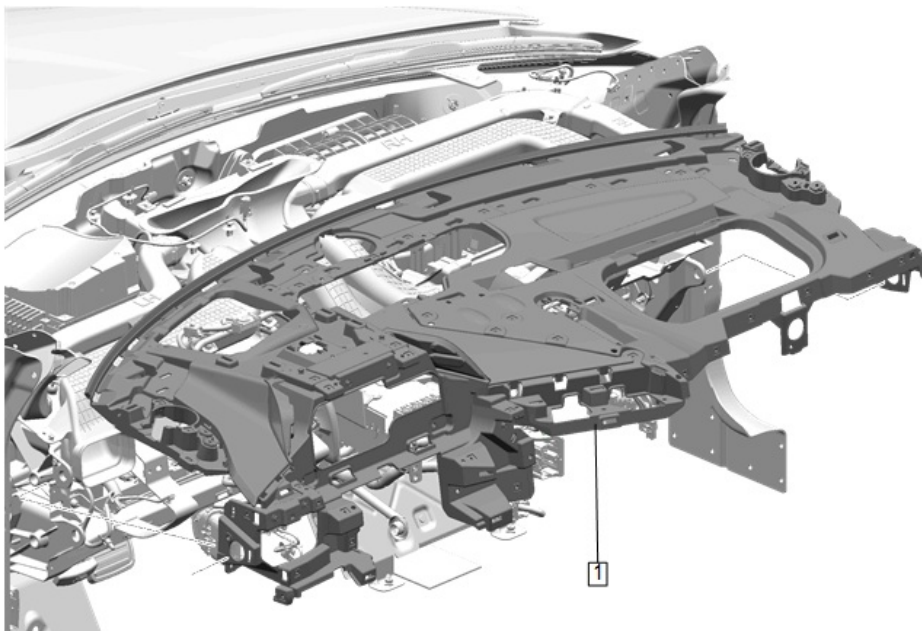
44.
[Click here for full size](#)

45. Side Window Defogger Outlet Duct Retainer (2) >> Install [2x]

46. Note:

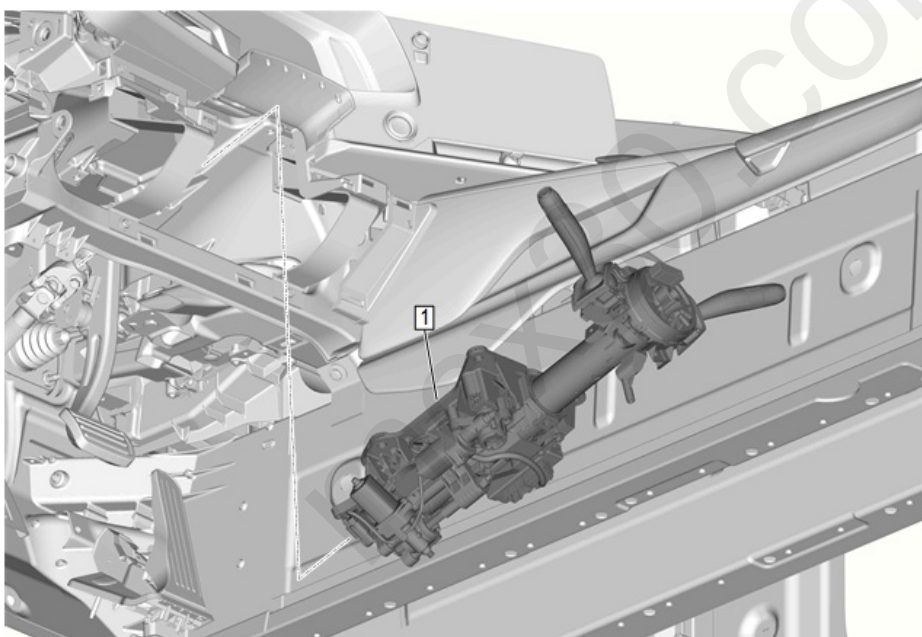
Refer to the procedure link for torque specification.

47. Side Window Defogger Outlet Duct Bolt (1) >> Install - Side Window Defogger Outlet Duct Replacement - Right Side



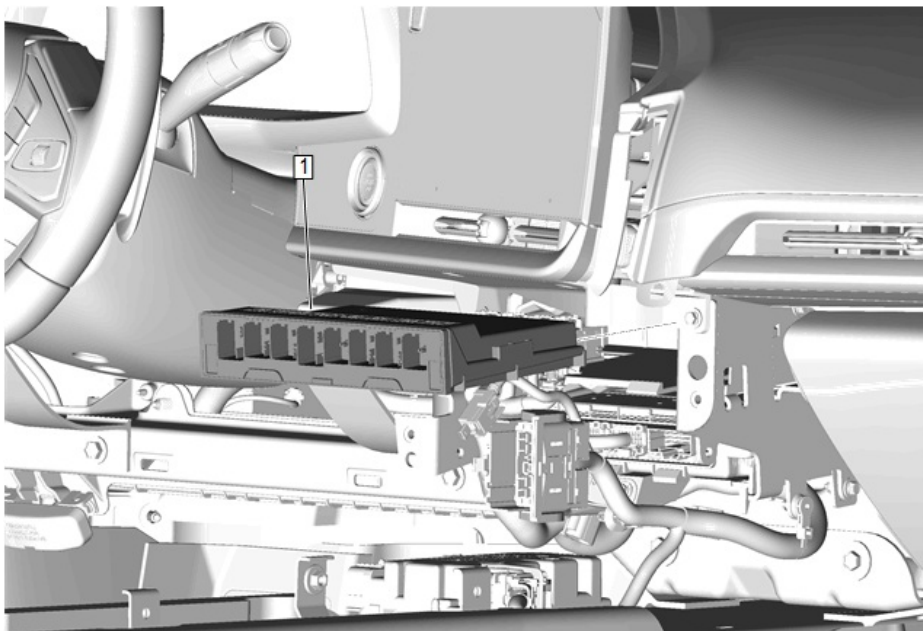
48.
[Click here for full size](#)

49. Instrument Panel Carrier (1) >> Install - Instrument Panel Carrier Replacement

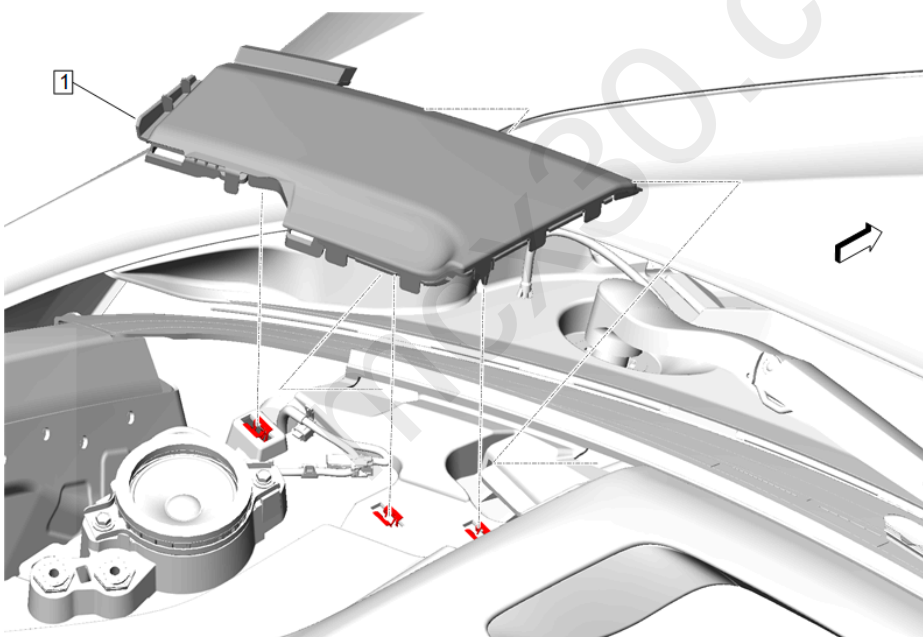


50.
[Click here for full size](#)

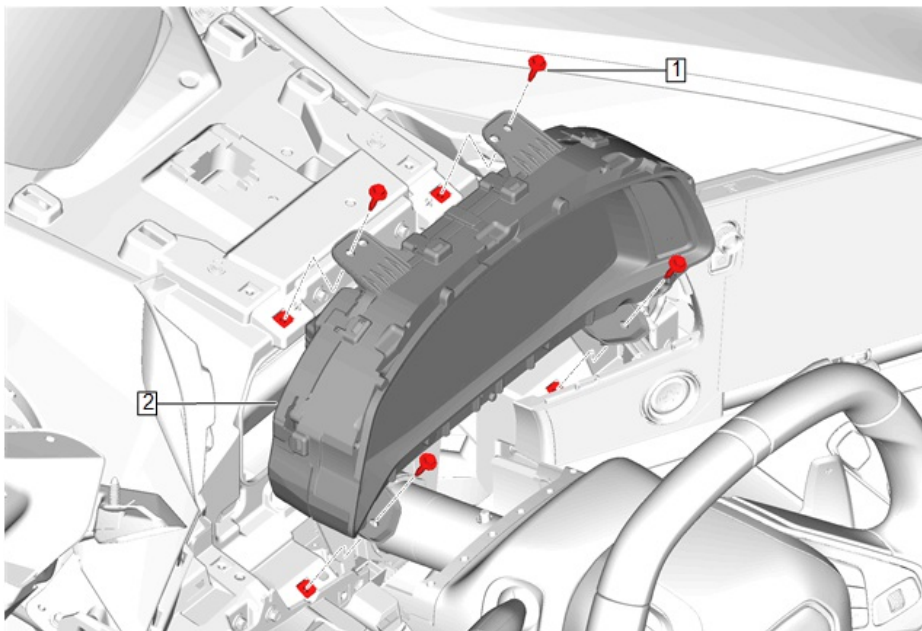
51. Steering Column (1) >> Install - Steering Column Replacement



52. [Click here for full size](#)
53. Body Control Module (1) >> Install - Body Control Module Replacement

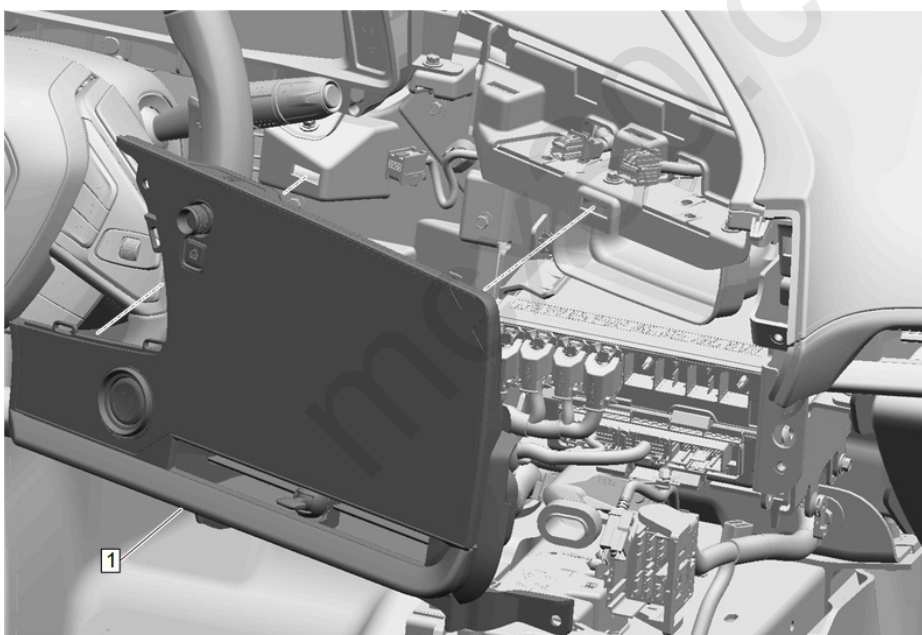


54. [Click here for full size](#)
55. Instrument Panel Upper Trim Panel Cover (1) >> Install - Instrument Panel Upper Trim Panel Cover Replacement



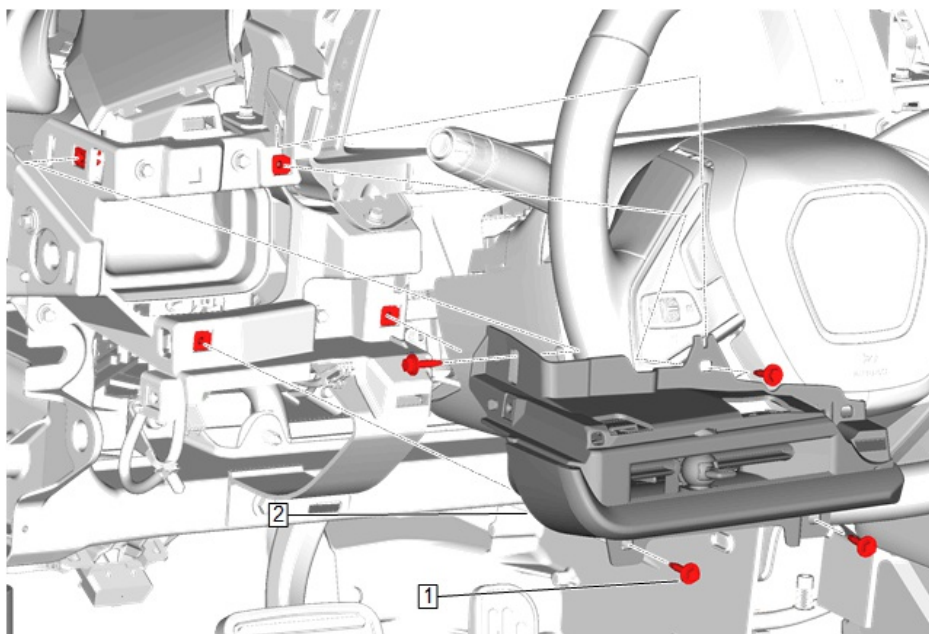
56.
[Click here for full size](#)

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



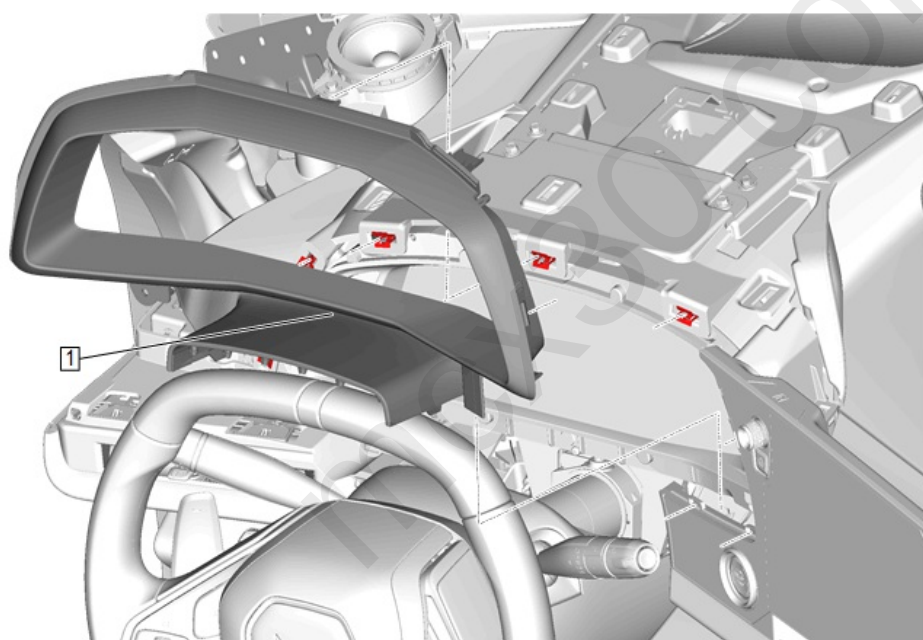
58.
[Click here for full size](#)

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



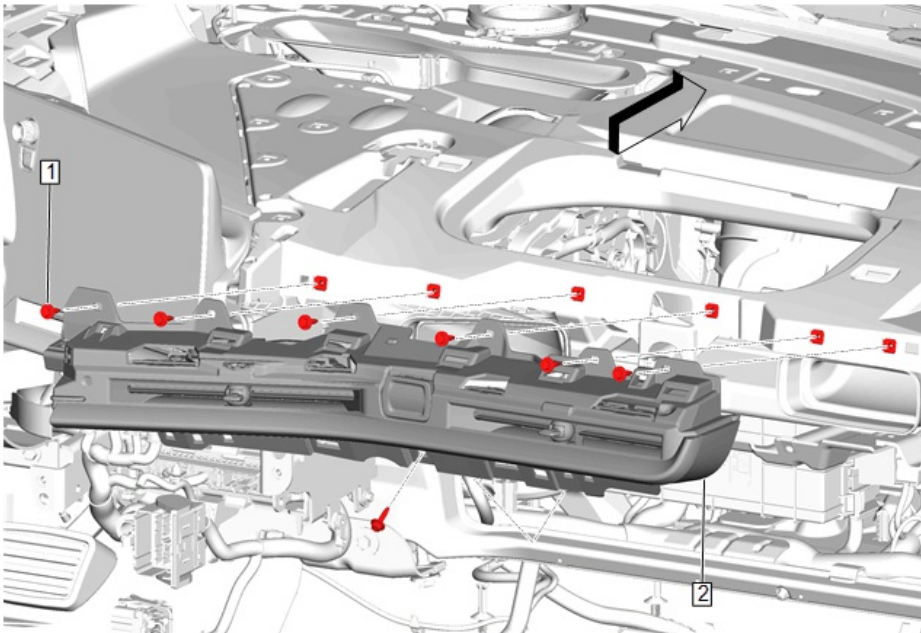
60.
[Click here for full size](#)

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



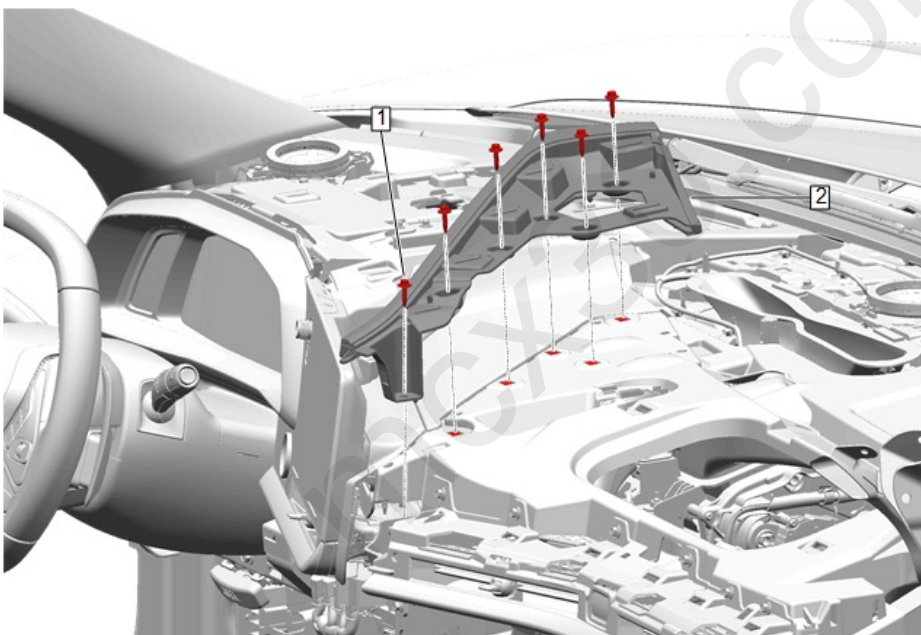
62.
[Click here for full size](#)

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



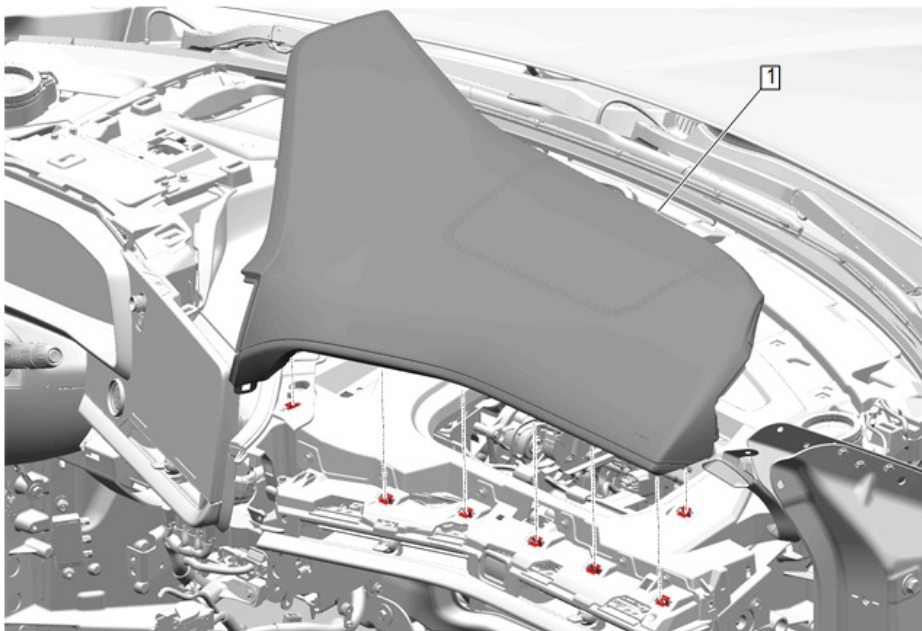
64.
[Click here for full size](#)

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



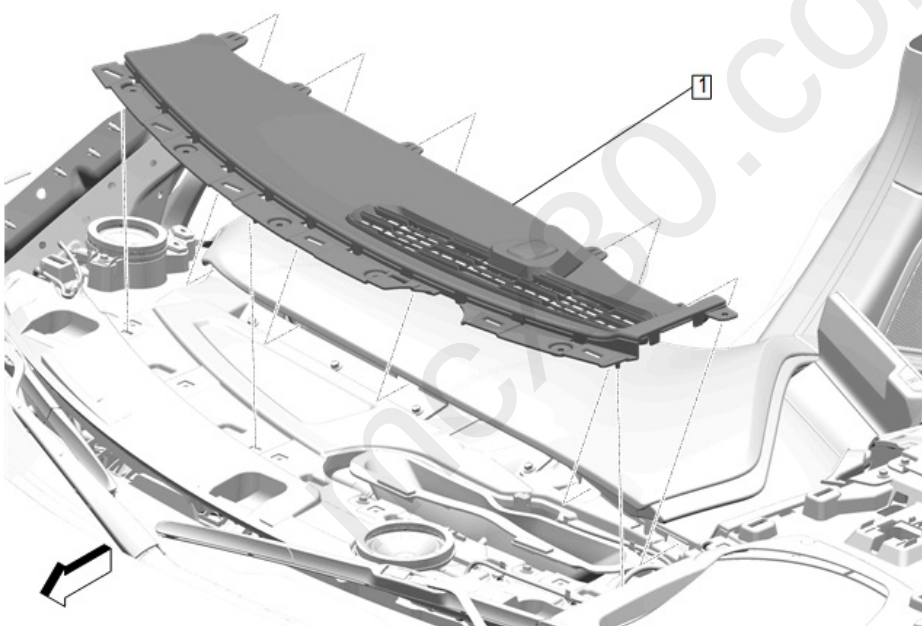
66.
[Click here for full size](#)

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



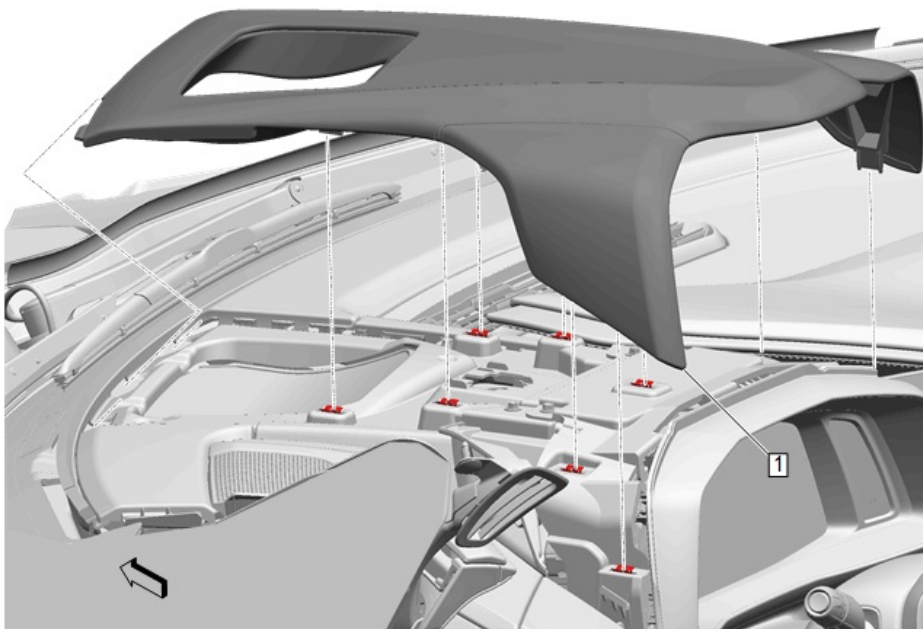
68.
[Click here for full size](#)

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



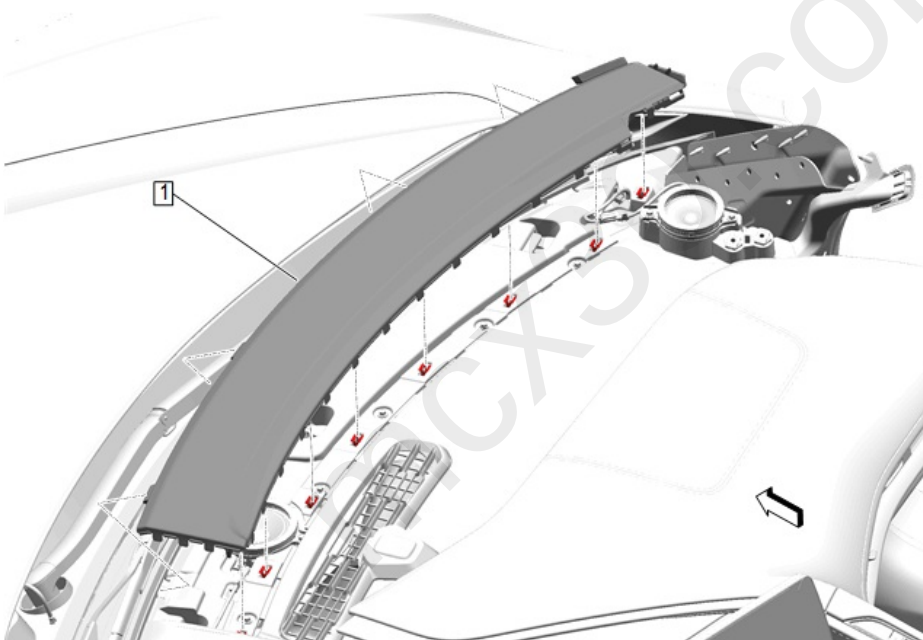
70.
[Click here for full size](#)

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



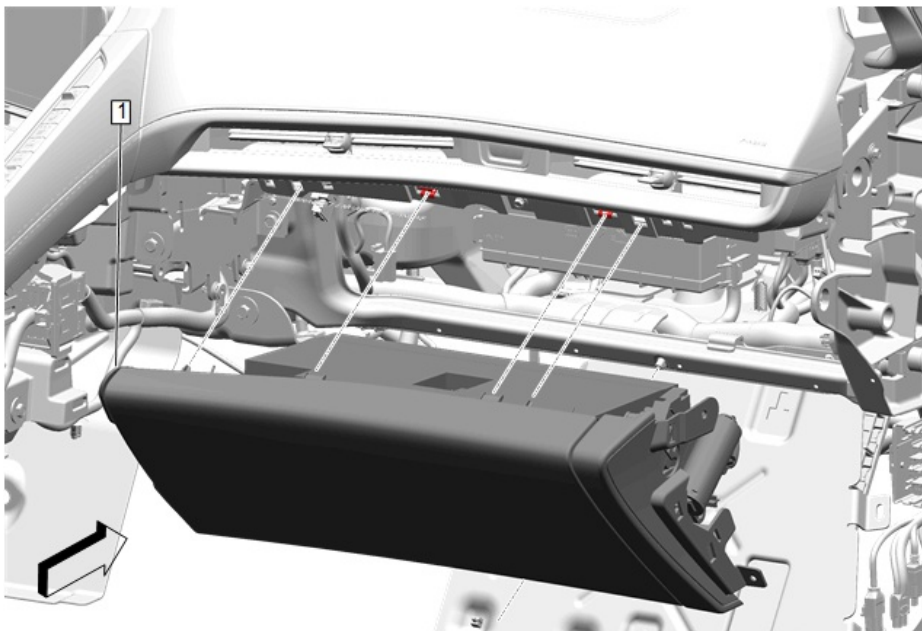
72.
[Click here for full size](#)

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



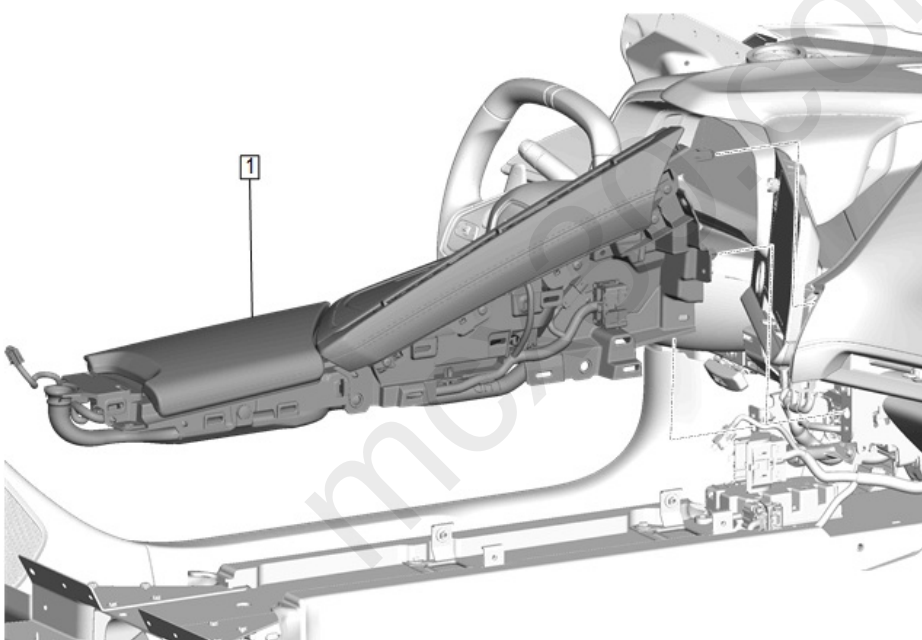
74.
[Click here for full size](#)

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



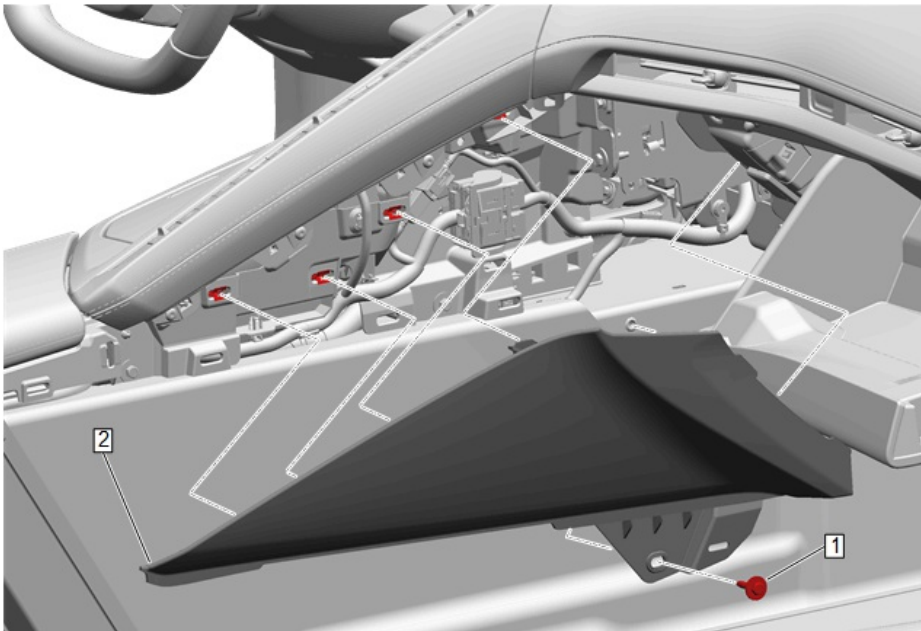
76.
[Click here for full size](#)

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



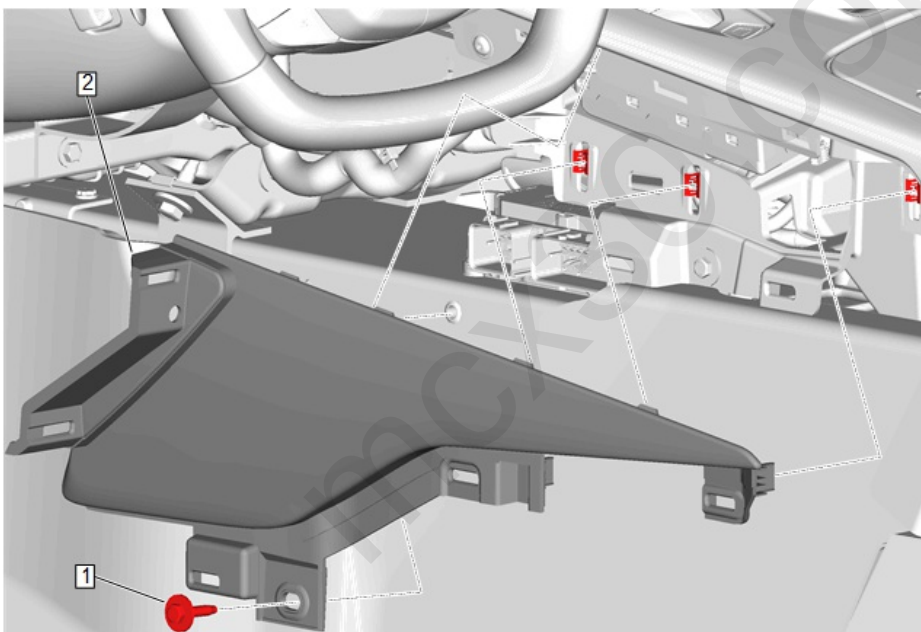
78.
[Click here for full size](#)

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



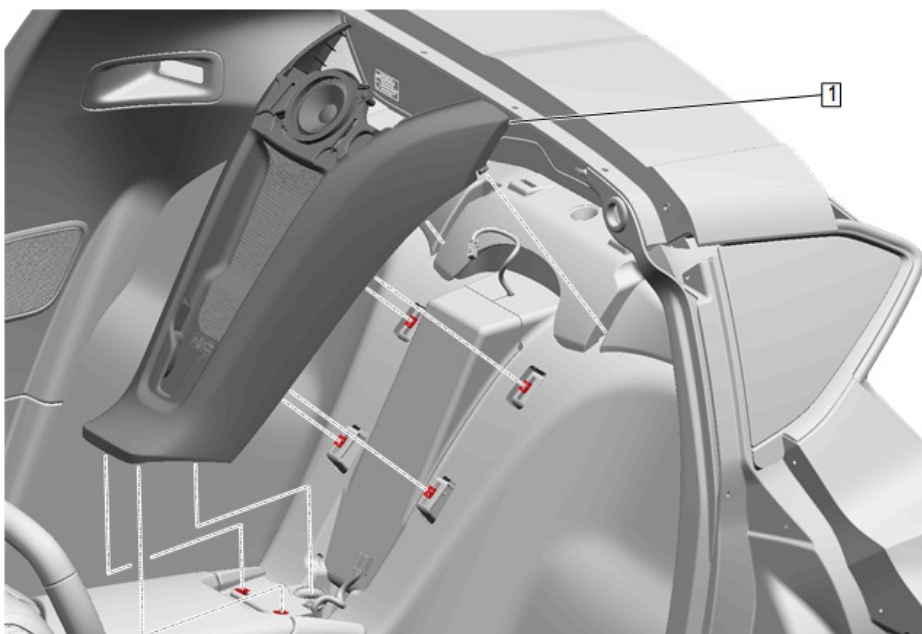
80.
[Click here for full size](#)

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



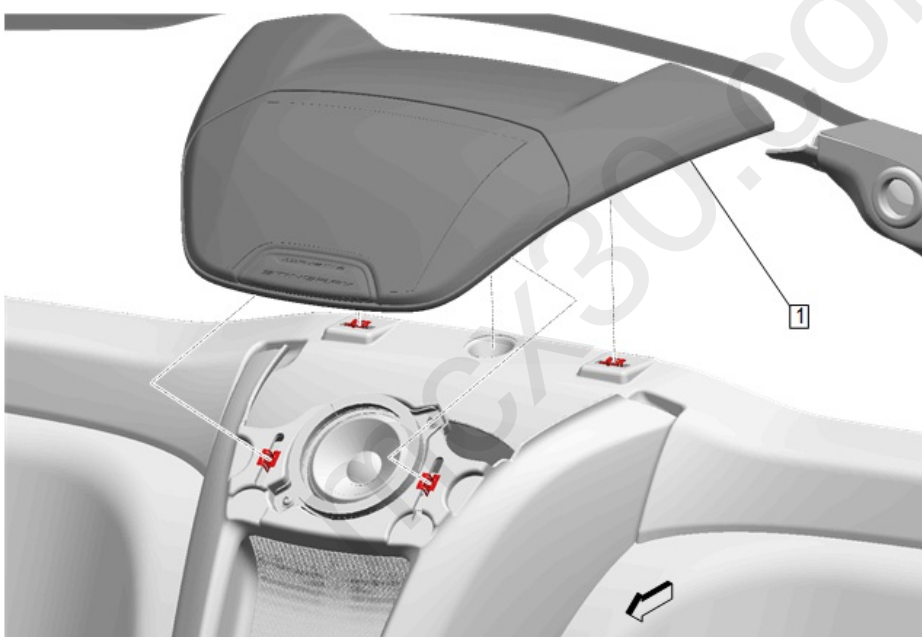
82.
[Click here for full size](#)

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



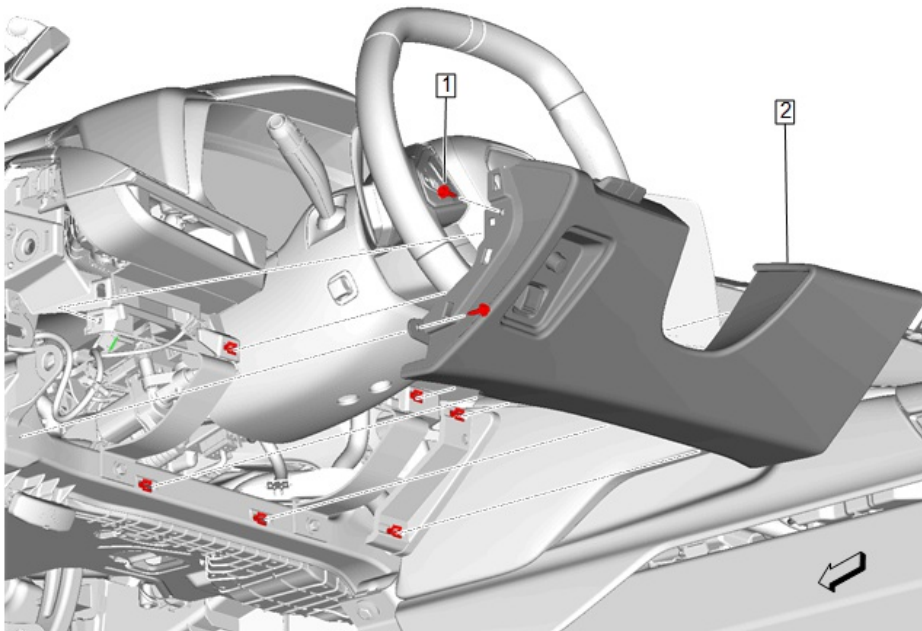
84.
[Click here for full size](#)

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



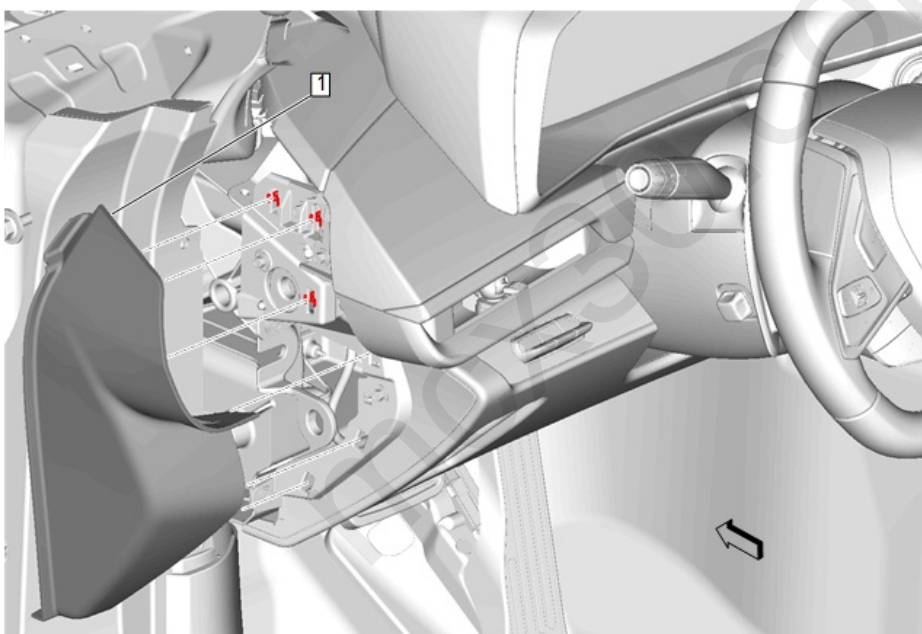
86.
[Click here for full size](#)

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



88.
[Click here for full size](#)

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



90.
[Click here for full size](#)

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