

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. Engine/Propulsion
2. Engine Heating and Cooling
3. Repair Instructions
- 4.

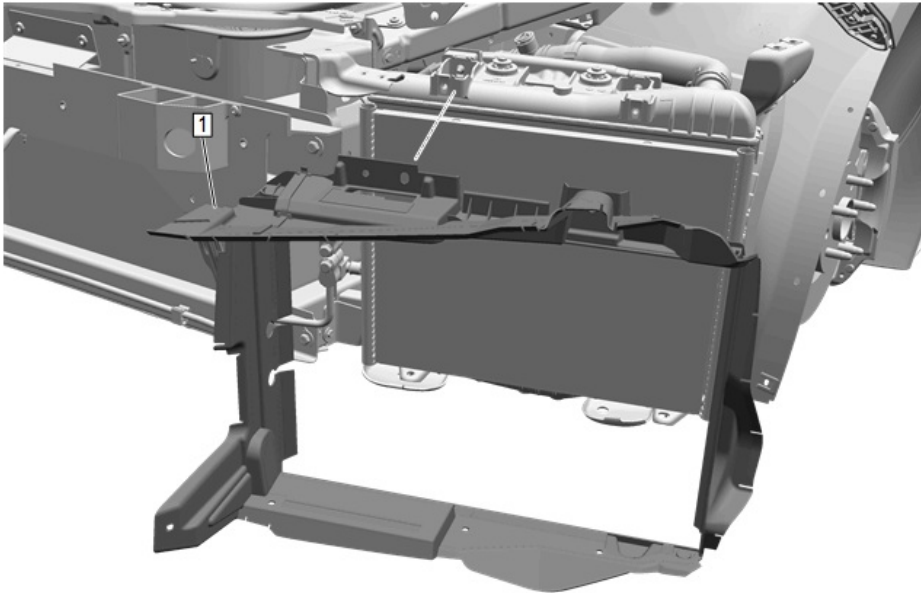
Radiator Support Brace Replacement - Left Side

Removal Procedure

1. Front Bumper Fascia >> Remove - Front Bumper Fascia Removal and Installation
2. Front Wheelhouse Front Panel - Left Side >> Remove - Front Wheelhouse Front Panel Replacement
3. { If equipped } Front Brake Rotor Cooling Duct - Left Side @ Radiator Support Brace Disconnect - Front Brake Rotor Cooling Duct Replacement
4. Drain the cooling system. Cooling System Draining and Filling



5.
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6. Front Compartment Front Panel(1) >> Remove - Front Compartment Front Panel Replacement



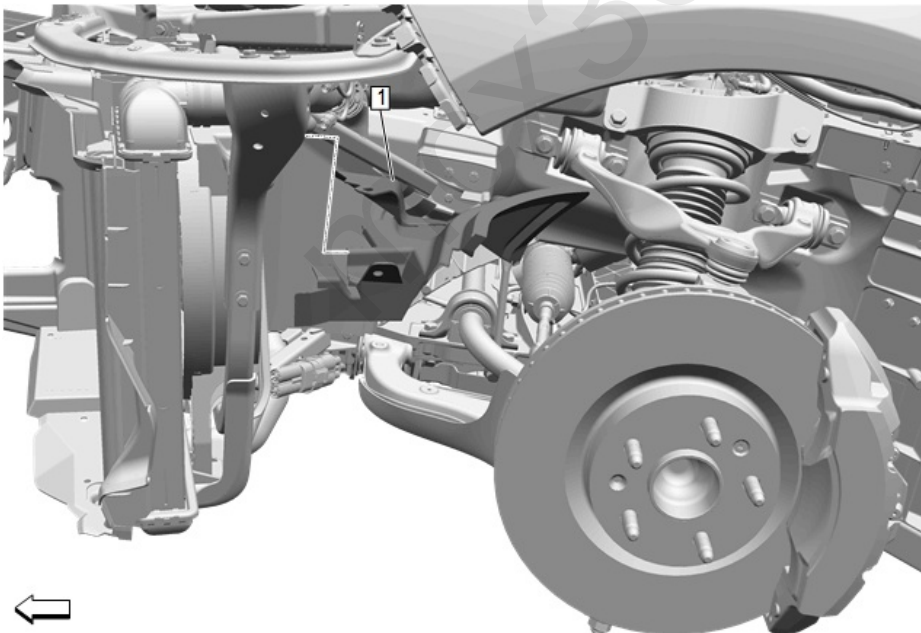
7.
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8. Radiator Air Inlet Duct - Left Side (1) >> Remove - Radiator Air Inlet Duct Replacement - Left Side

9. Without disconnecting the air conditioning condenser tube connector or the air conditioning compressor and condenser hose from the air conditioning condenser, reposition and support the condenser.

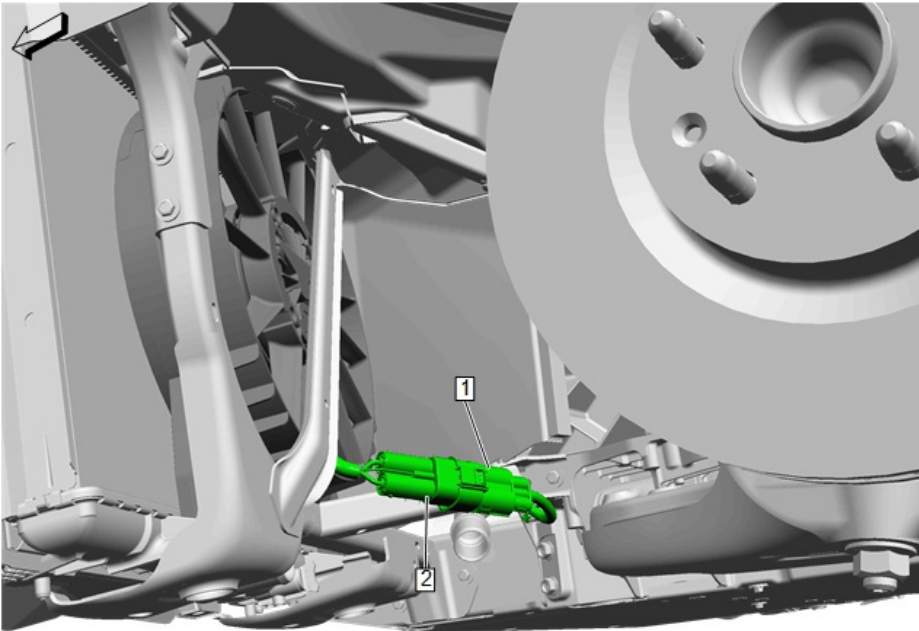
10. Radiator Inlet Hose - Left Side @ Engine Radiator >> Remove - Radiator Inlet Hose Replacement - Front Left Side

11. Auxiliary Radiator Outlet Hose - Left Side @ Engine Radiator >> Remove - Auxiliary Radiator Outlet Hose Replacement - Left Side Radiator



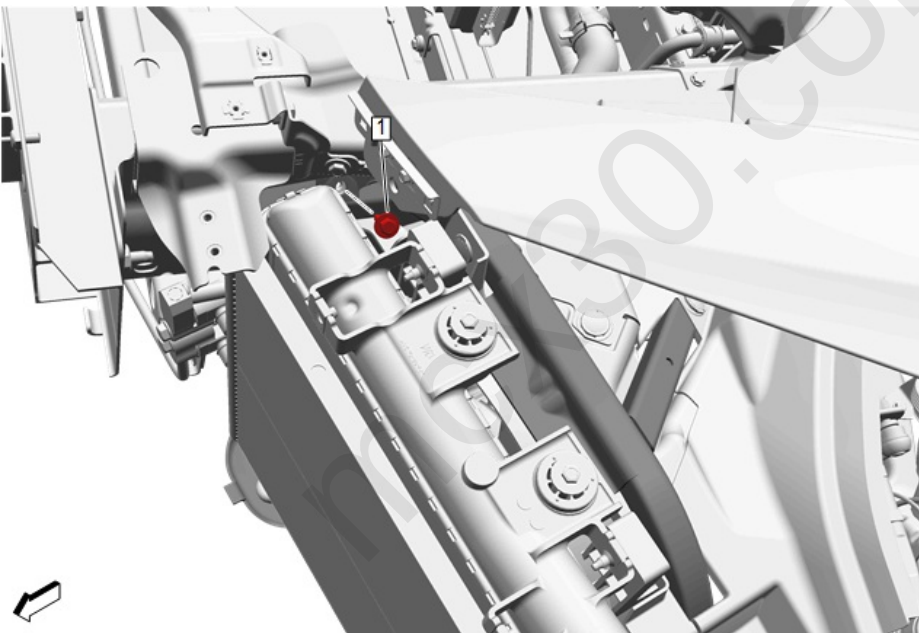
12.
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13. Auxiliary Radiator Rear Duct - Left Side (1) >> Remove - Auxiliary Radiator Rear Duct Replacement - Left Side



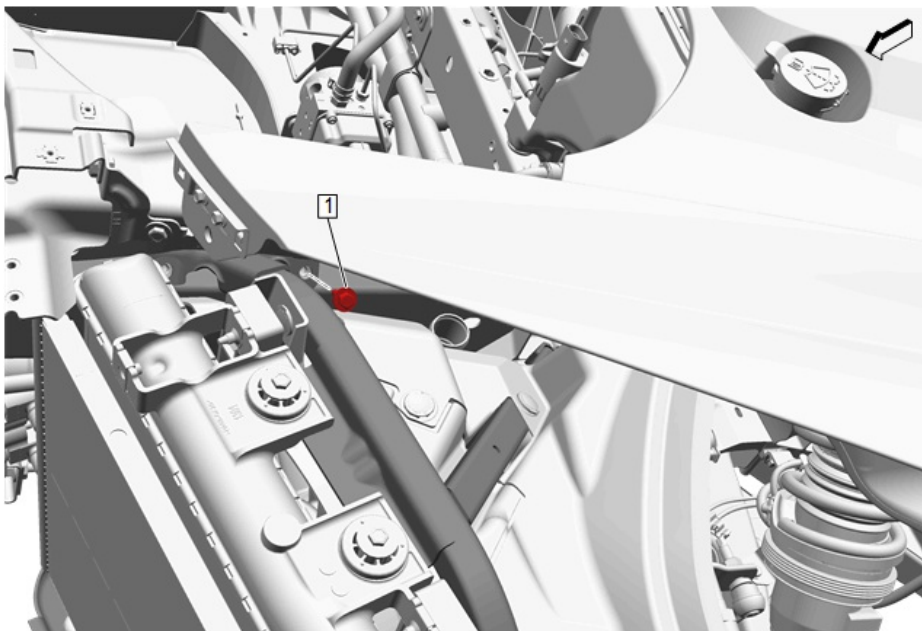
14.
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15. Disconnect the electrical connector (1) from the engine cooler fan electrical connector (2).



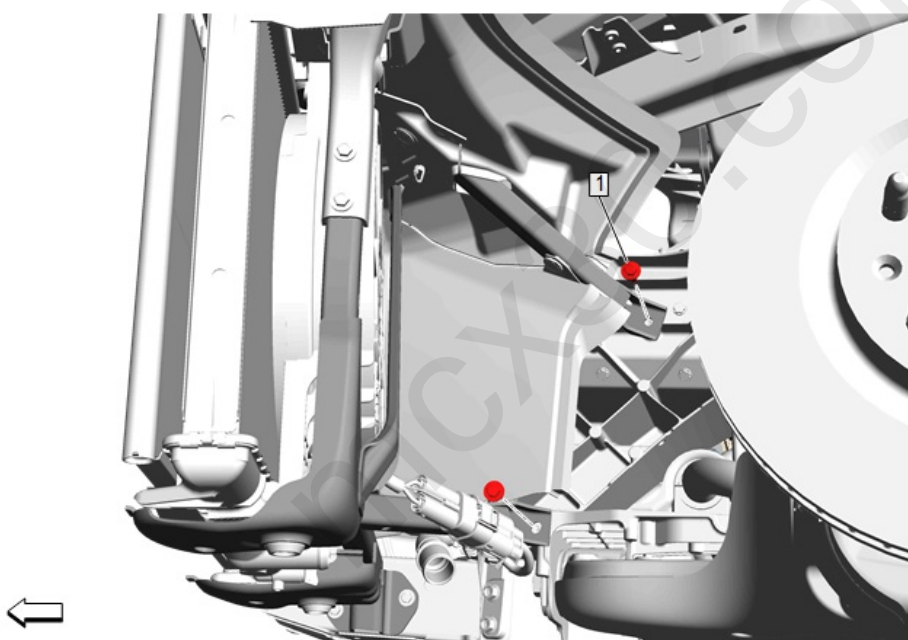
16.
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17. Radiator Support Brace Bolt (1) >> Remove



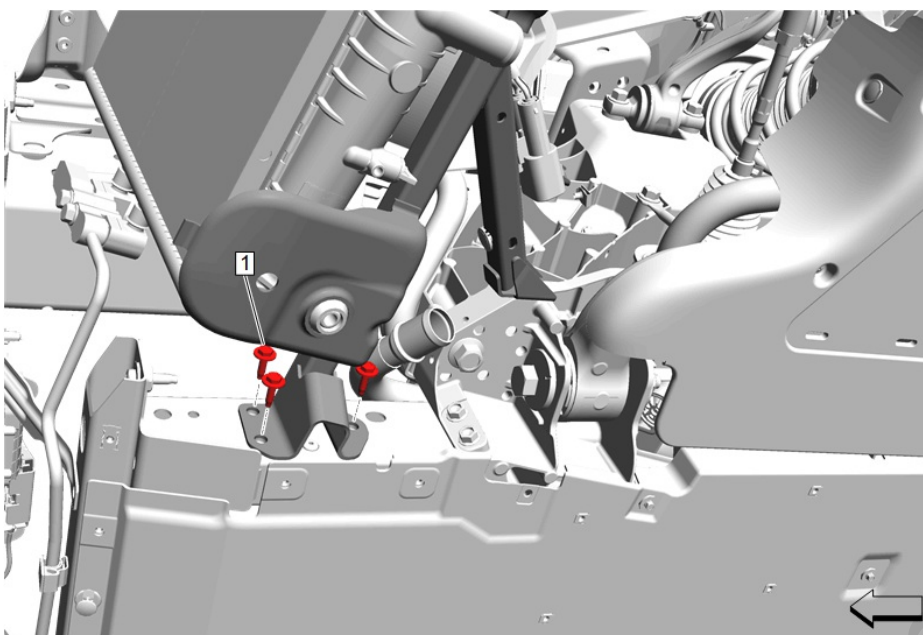
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19. Radiator Support Brace Bolt (1) >>> Remove



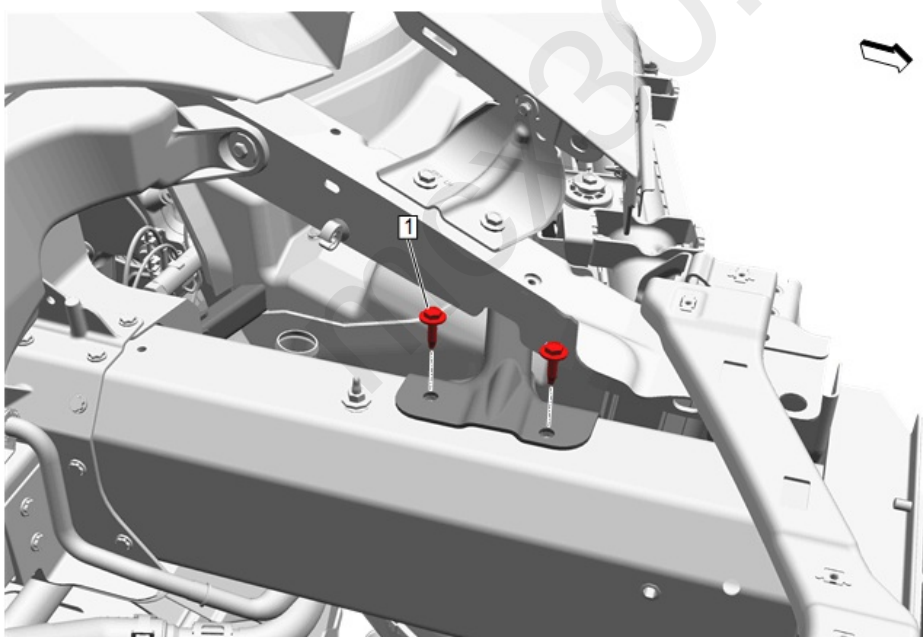
20.
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21. Radiator Support Brace Bolt (1) >>> Remove [2x]



22.
[Click here for full size](#)

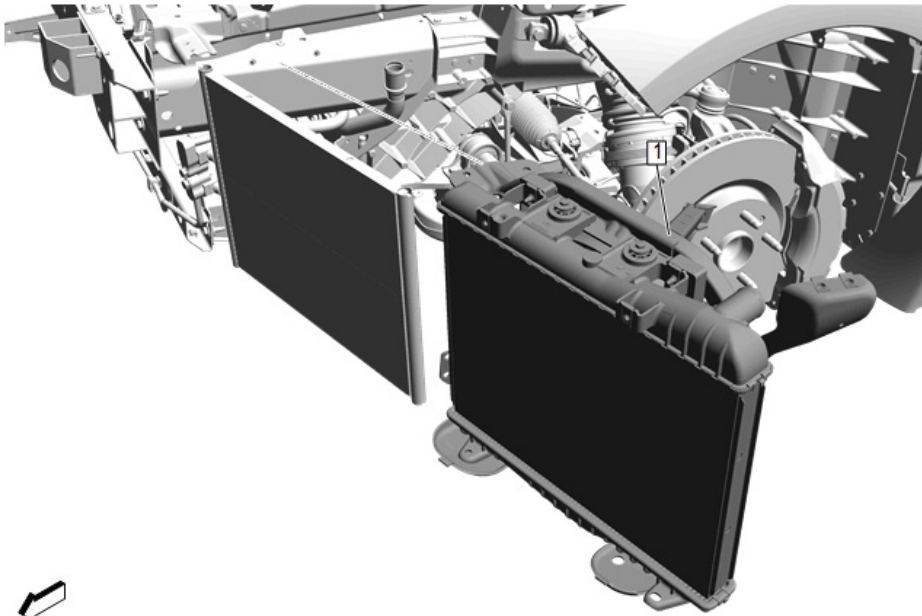
23. Radiator Support Brace Bolt (1) >> Remove [3x]



24.
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25. Radiator Support Brace Bolt (1) >> Remove [4x]

26. To prevent contact between the air conditioning condenser and engine radiator, place a piece of cardboard between the air conditioning condenser and engine radiator.

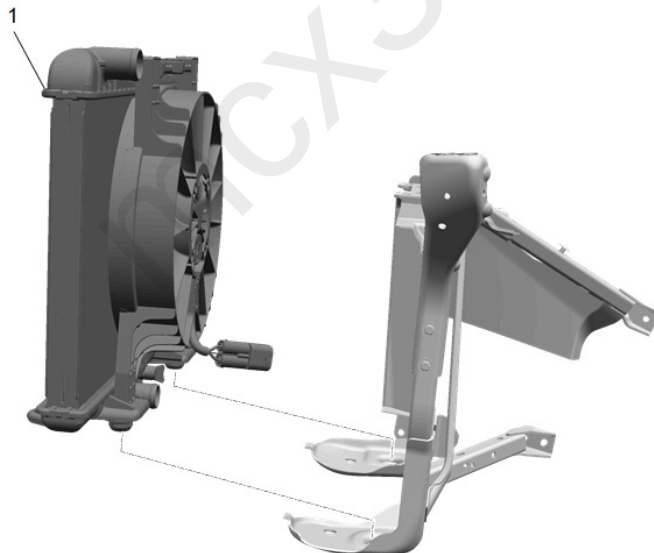


27. [Click here for full size](#)

28. Note:

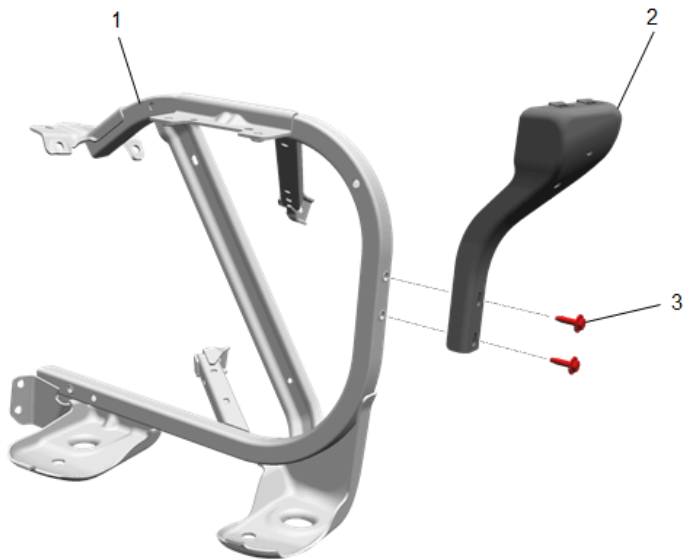
Take care not to contact the air conditioning condenser.

29. Carefully remove the engine radiator and engine cooler fan assembly, radiator support brace and auxiliary radiator front outlet side duct (1) as an assembly.



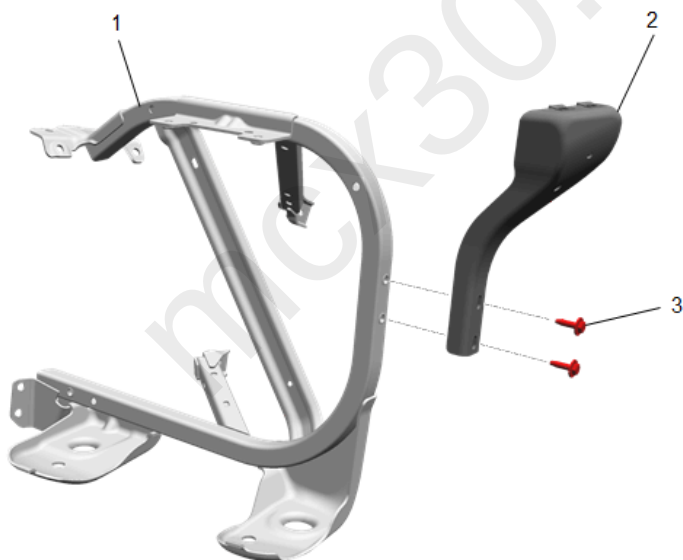
30. [Click here for full size](#)

31. Remove the engine cooler fan and engine radiator (1) as an assembly. [Engine Coolant Fan Module Radiator Assembly Removal and Installation - Left Side](#)
32. [Auxiliary Radiator Front Outlet Side Duct - Left Side >> Remove - Auxiliary Radiator Front Outlet Side Duct Replacement - Left Side](#)

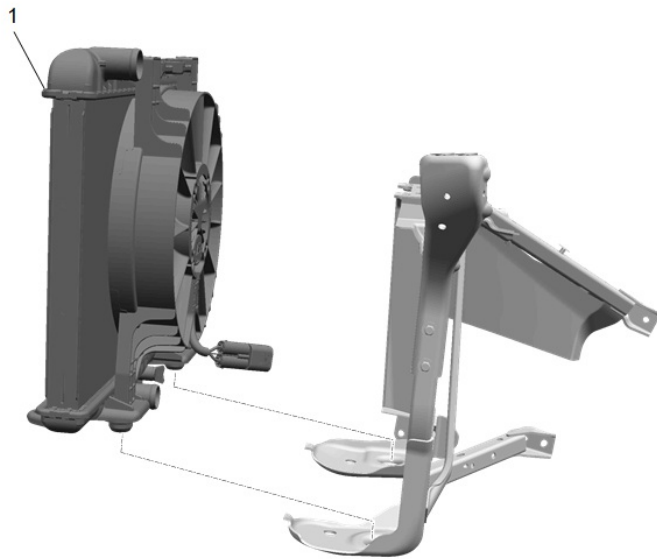


33. [Click here for full size](#)
34. Radiator Support Reinforcement Bolt (3) >> Remove [2x]
35. Radiator Support Reinforcement (2) @ Radiator Support Brace - Left Side (1) >> Remove

Installation Procedure

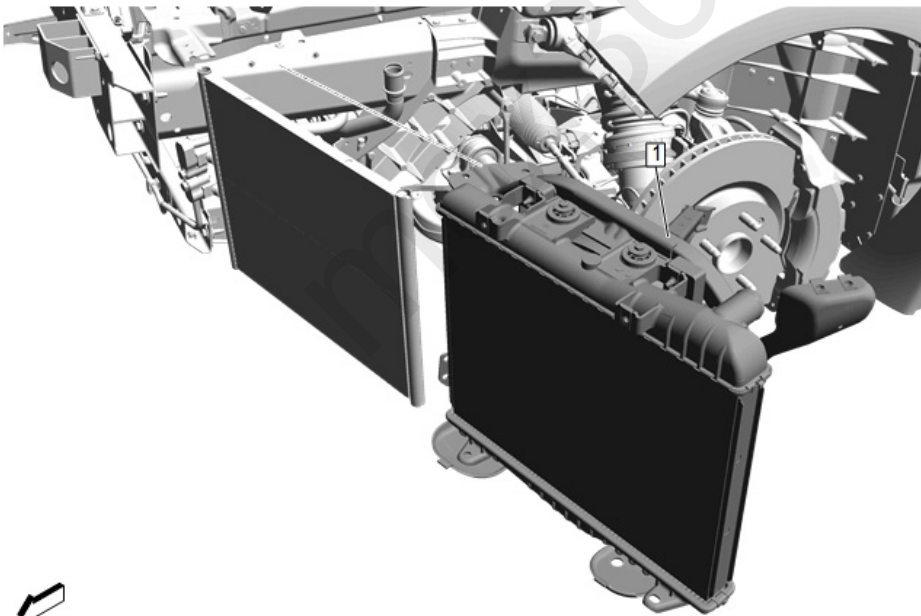


1. [Click here for full size](#)
2. Radiator Support Reinforcement (2) @ Radiator Support Brace - Left Side (1) >> Install
3. Caution:
Refer to Fastener Caution.
4. Radiator Support Reinforcement Bolt (3) >> Install and tighten [2x]9 N-m (80 lb in)
5. Auxiliary Radiator Front Outlet Side Duct - Left Side >> Install - Auxiliary Radiator Front Outlet Side Duct Replacement - Left Side



6.
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7. Install the engine cooler fan and engine radiator (1) as an assembly. Engine Coolant Fan Module Radiator Assembly Removal and Installation - Left Side

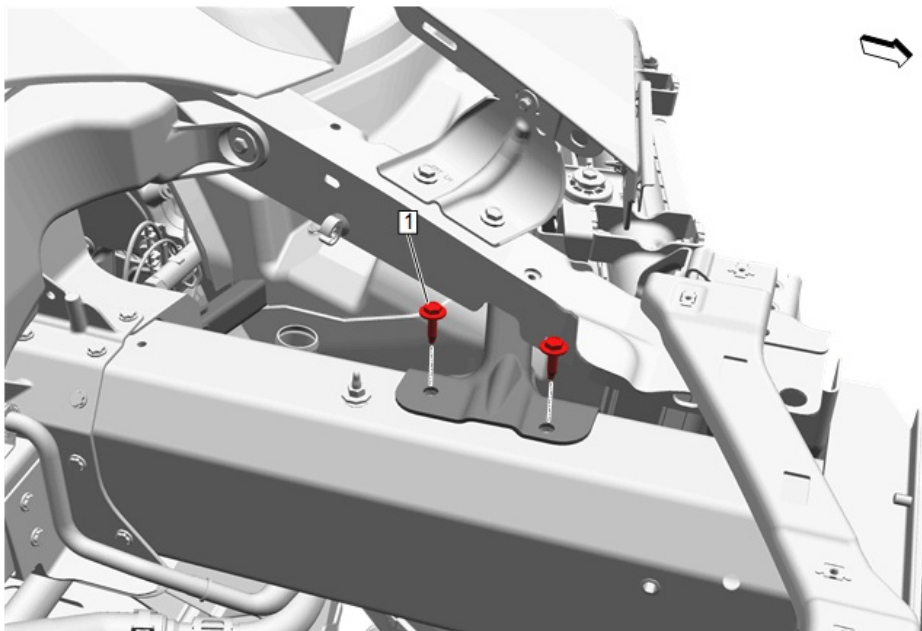


8.
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9. Note:

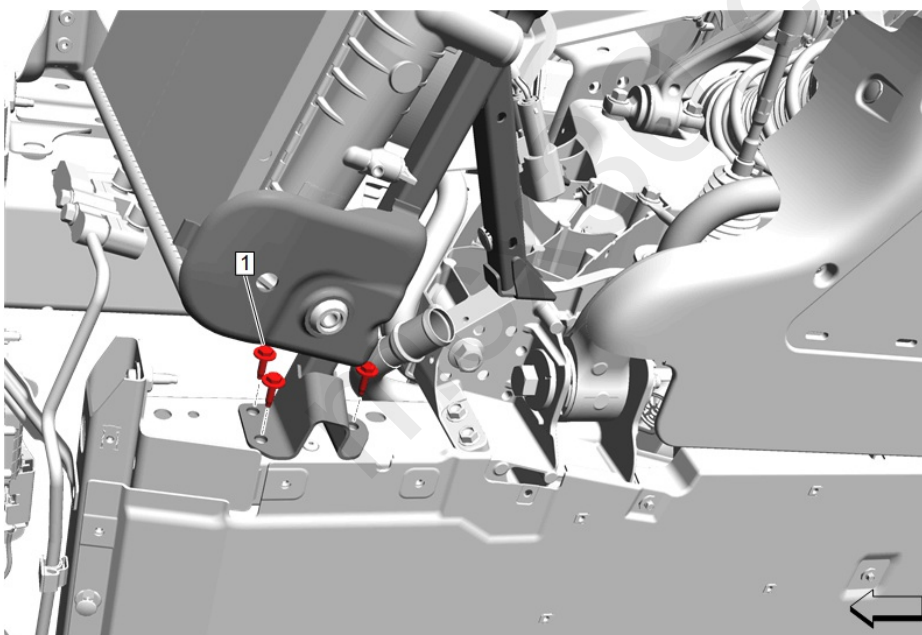
Take care not to contact the air conditioning condenser.

10. Carefully install the engine radiator and engine cooler fan assembly, radiator support brace and auxiliary radiator front outlet side duct (1) as an assembly.
11. Remove cardboard between the air conditioning condenser and engine radiator.



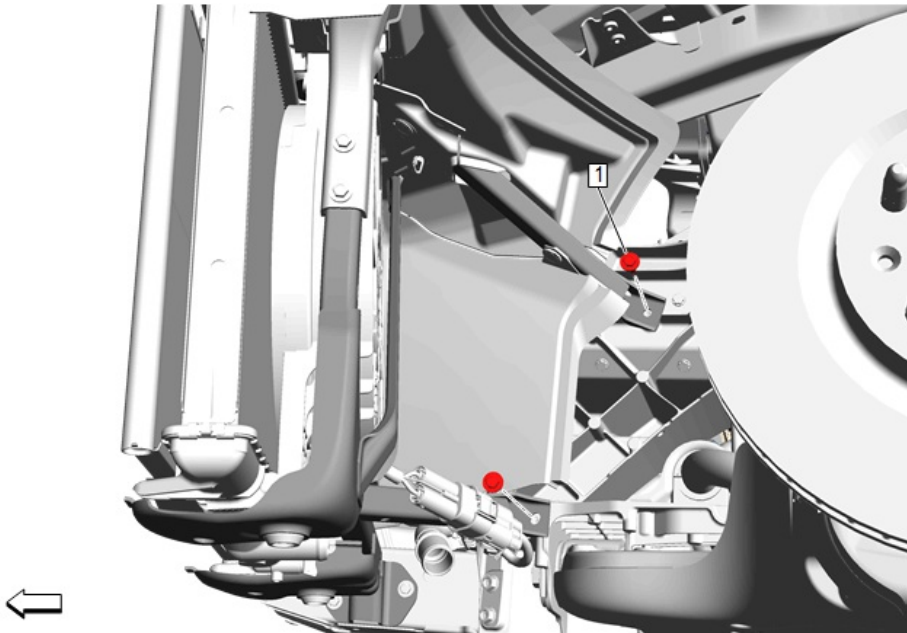
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13. Radiator Support Brace Bolt (1) >>> Install and tighten [4x]9 N-m (80 lb in)



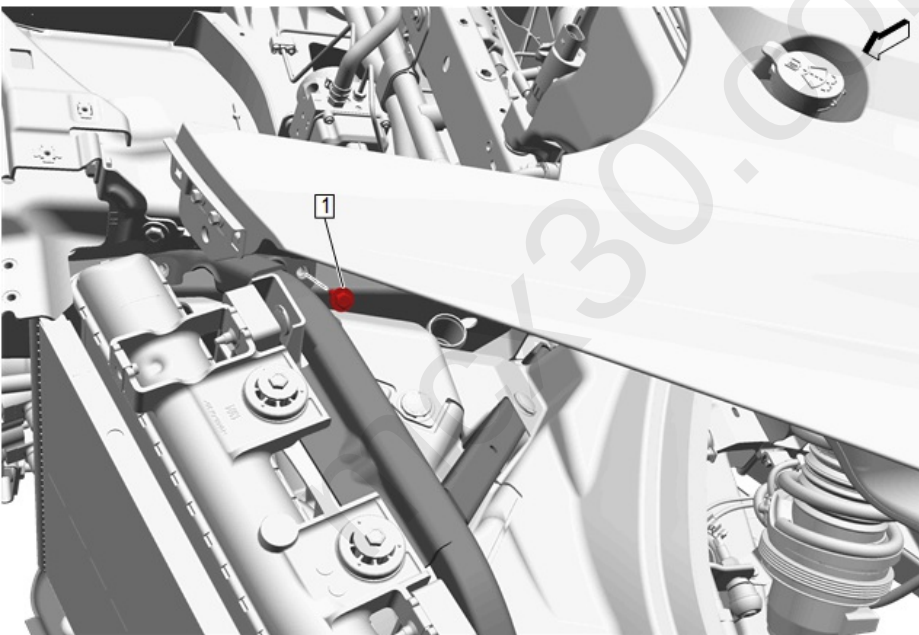
14.
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15. Radiator Support Brace Bolt (1) >>> Install and tighten [3x]9 N-m (80 lb in)



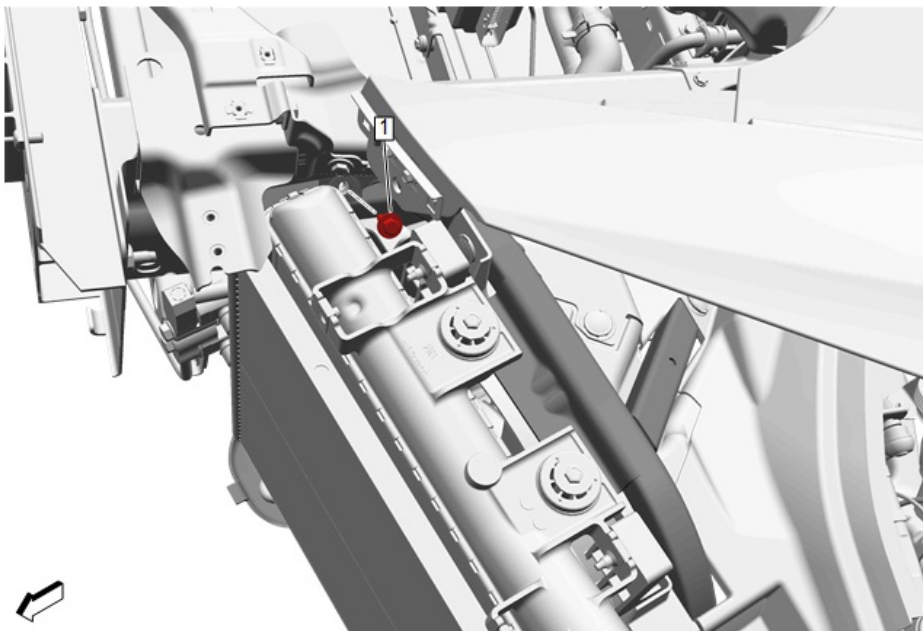
16.
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17. Radiator Support Brace Bolt (1) >> Install and tighten [2x]9 N-m (80 lb in)



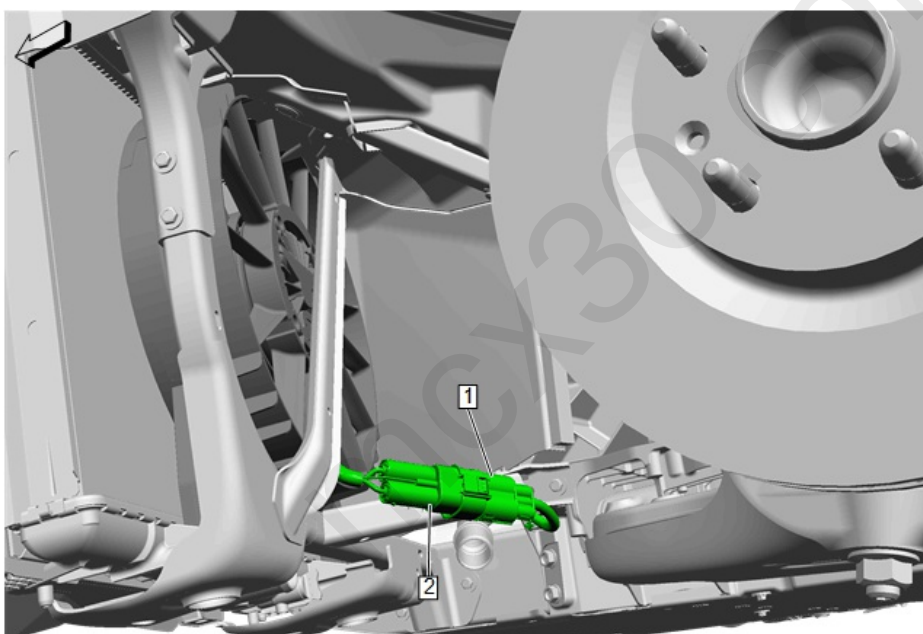
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19. Radiator Support Brace Bolt (1) >> Install and tighten 9 N-m (80 lb in)



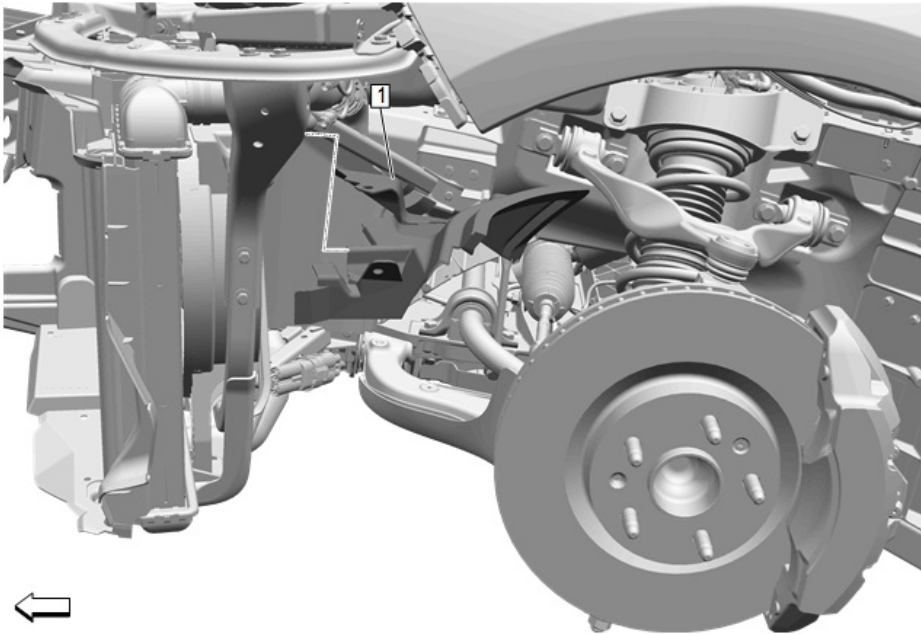
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21. Radiator Support Brace Bolt (1) >> Install and tighten 9 N-m (80 lb in)



22.
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23. Connect the electrical connector (1) to the engine cooler fan electrical connector (2).



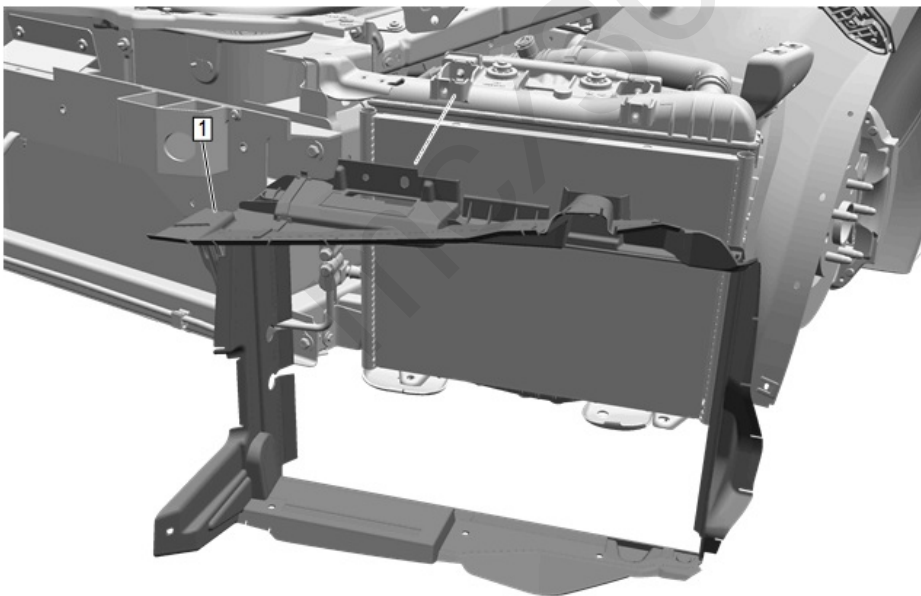
24.
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25. Auxiliary Radiator Rear Duct - Left Side (1) >> Install - Auxiliary Radiator Rear Duct Replacement - Left Side

26. Auxiliary Radiator Outlet Hose - Left Side @ Engine Radiator >> Install - Auxiliary Radiator Outlet Hose Replacement - Left Side Radiator

27. Radiator Inlet Hose - Left Side @ Engine Radiator >> Install - Radiator Inlet Hose Replacement - Front Left Side

28. Remove the support and install the condenser.



29.
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30. Radiator Air Inlet Duct - Left Side (1) >> Install - Radiator Air Inlet Duct Replacement - Left Side



31. [Click here for full size](#)
32. Front Compartment Front Panel (1) >> Install - Front Compartment Front Panel Replacement
33. { If equipped } Front Brake Rotor Cooling Duct - Left Side @ Radiator Support Brace Connect - Front Brake Rotor Cooling Duct Replacement
34. Front Wheelhouse Front Panel - Left Side >> Install - Front Wheelhouse Front Panel Replacement
35. Front Bumper Fascia >> Install - Front Bumper Fascia Removal and Installation
36. Fill the cooling system to the proper level. Cooling System Draining and Filling
37. Start the engine and check for coolant leaks.