

2022 CHEVROLET CORVETTE SERVICE MANUAL

- [SEARCH](#)

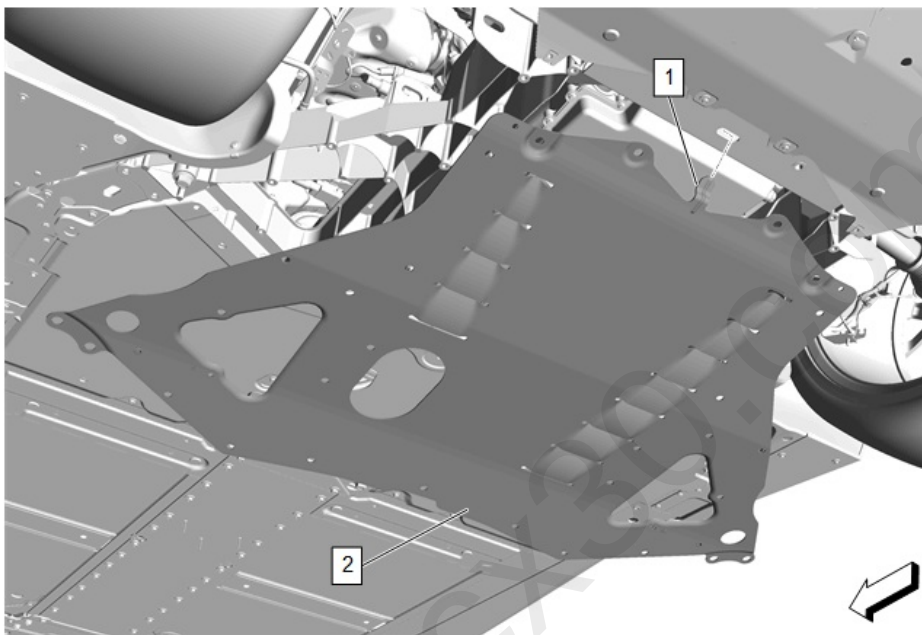
1. [Engine/Propulsion](#)
2. [Engine Heating and Cooling](#)
3. [Repair Instructions](#)
- 4.

Engine Oil Cooler Adapter Replacement

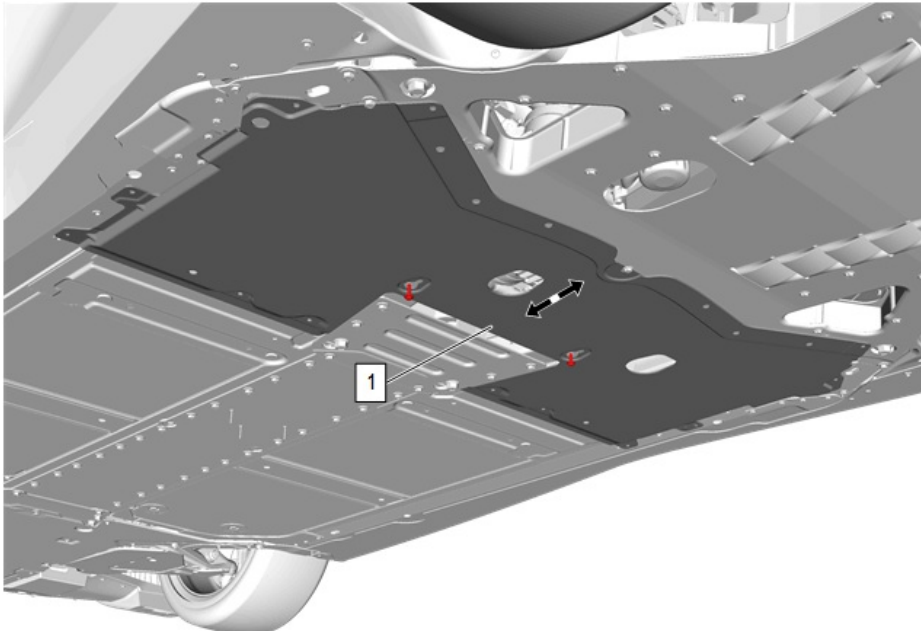
Single Use Fasteners and Components

Oil Pan High Pressure Port Seal [2x]

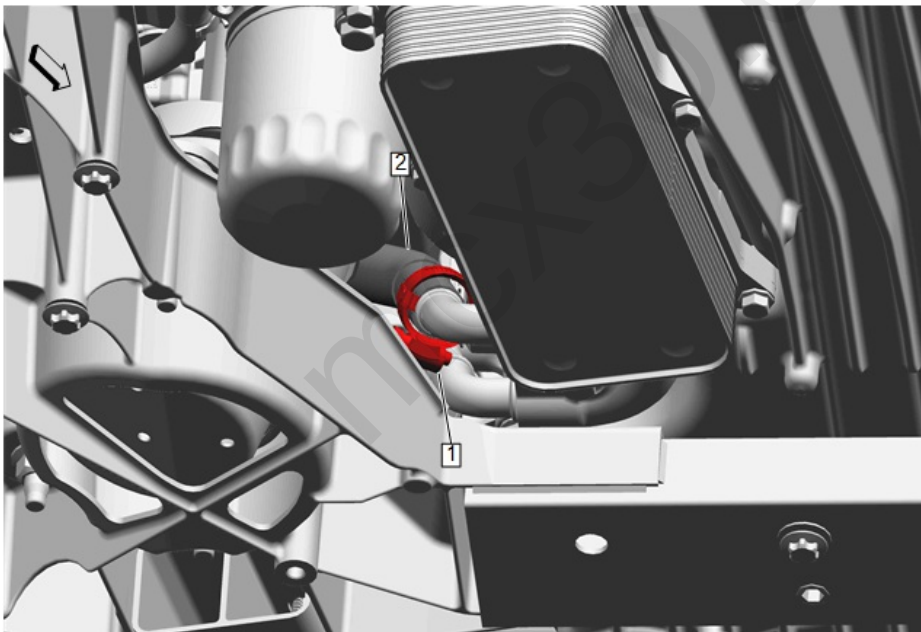
Removal Procedure



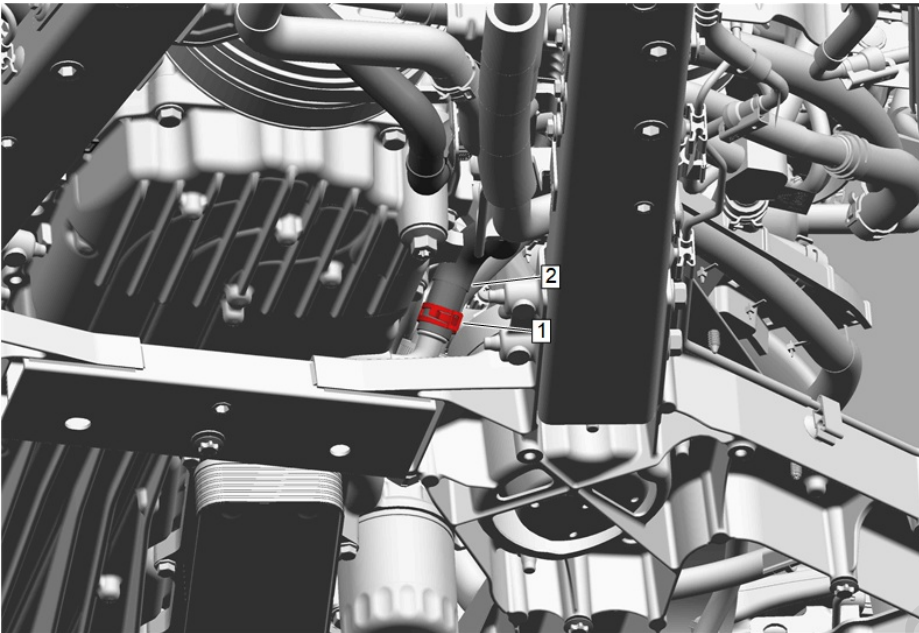
1. [Click here for full size](#)
2. [Rear Cradle Shear Plate \(2\) >> Remove - Rear Cradle Shear Plate Replacement](#)



3. [Click here for full size](#)
4. Underbody Rear Air Deflector (1) >> Remove - Underbody Rear Air Deflector Replacement
5. Drain the cooling system. Cooling System Draining and Filling
6. Drain the engine oil. Engine Oil and Oil Filter Replacement



7. [Click here for full size](#)
8. Hose Clamp (1) >> Loosen
9. Water Pump Outlet Pipe (2) @ Engine Oil Cooler Adapter >> Remove

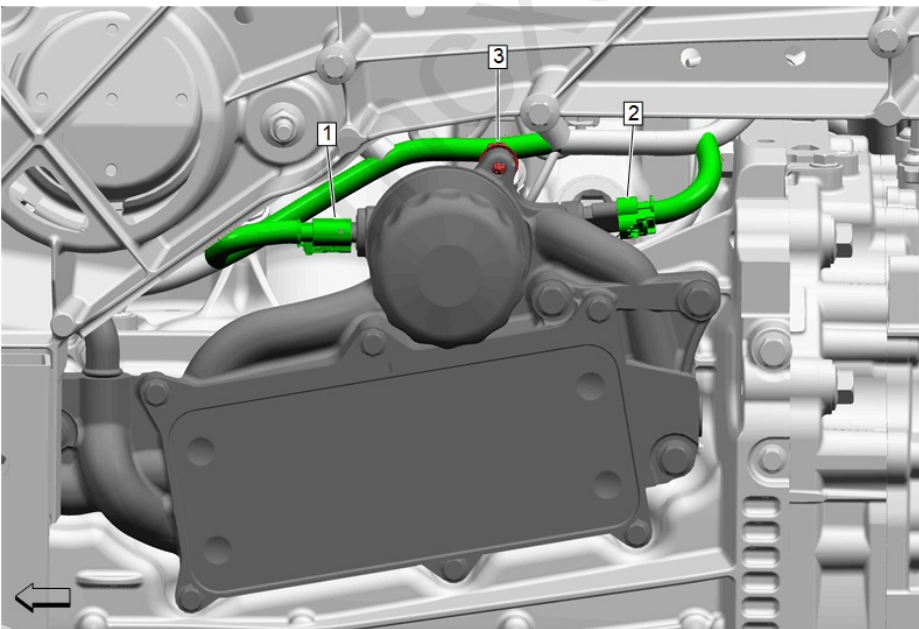


10.

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11. Hose Clamp (1) >> Disengage - Hose Clamp Replacement Guidelines - Spring Type

12. Water Pump Inlet Hose (2) @ Engine Oil Cooler Adapter >> Remove



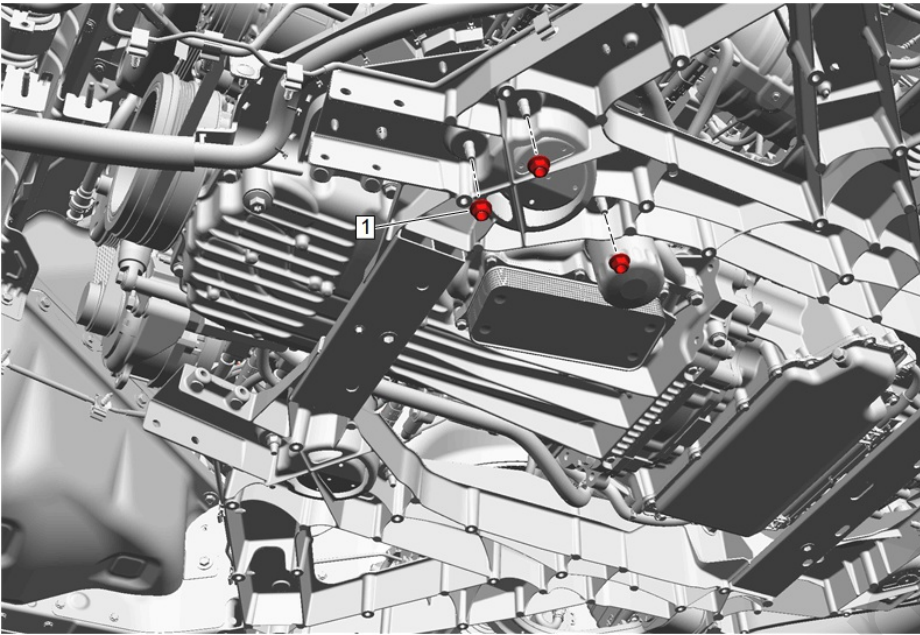
13.

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14. Electrical Connector (1) @ Engine Oil Pressure Sensor >> Disconnect

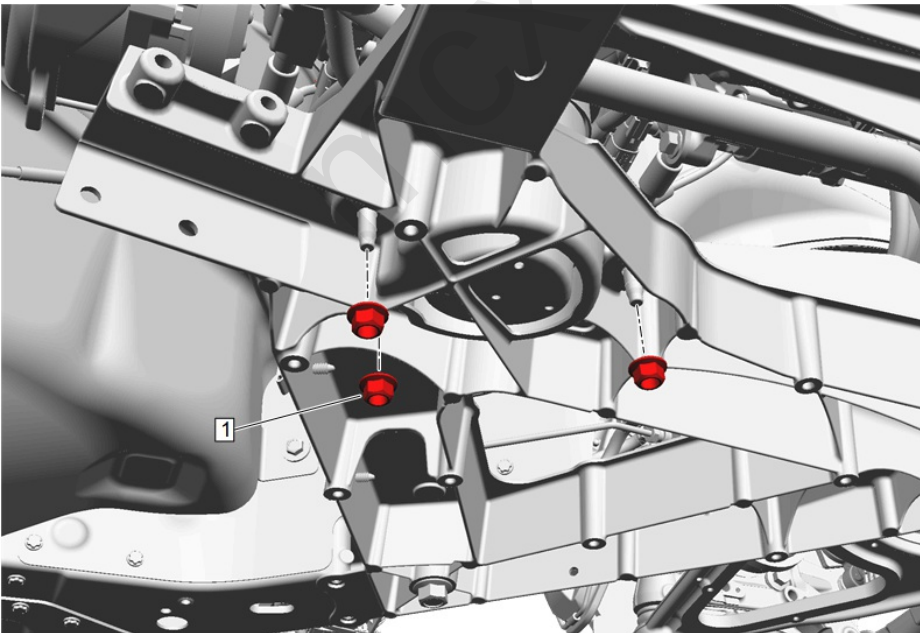
15. Electrical Connector (2) @ Engine Oil Temperature Sensor >> Disconnect

16. Wiring Harness Retainer (3) @ Engine Oil Cooler Adapter >> Remove



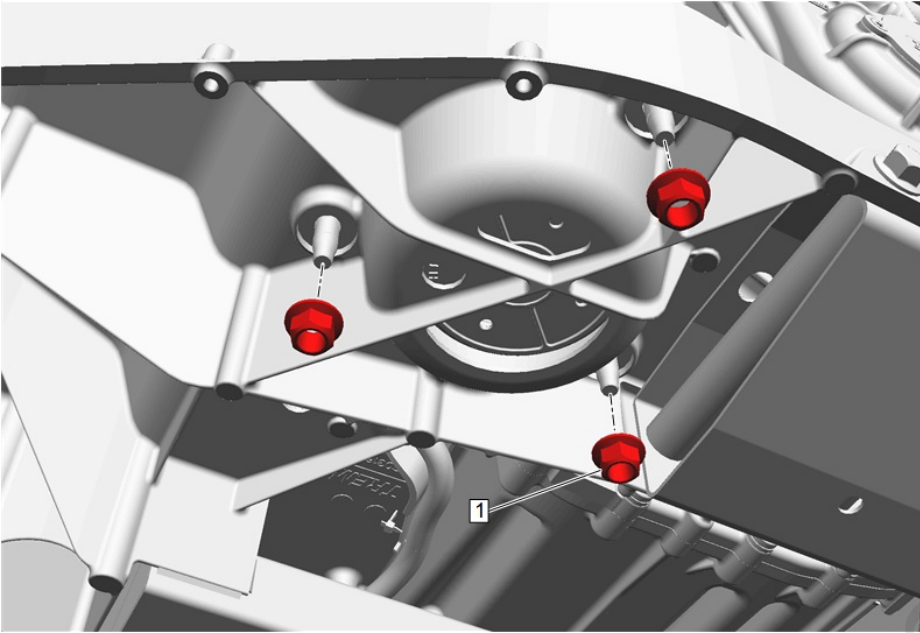
17.
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18. Engine Mount Frame Side Nut - Left Side (1) >> Remove [3x]



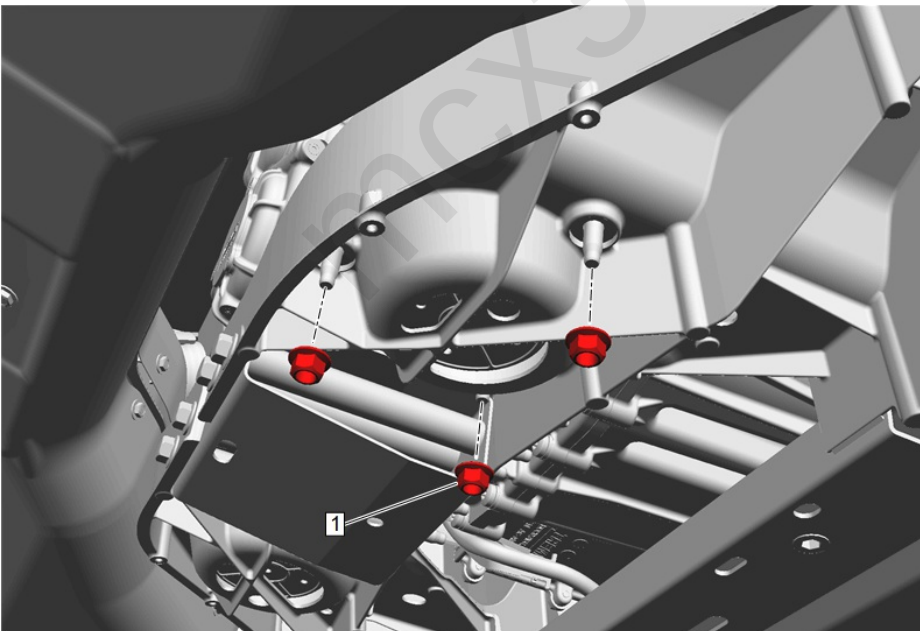
19.
[Click here for full size](#)

20. Engine Mount Frame Side Nut - Right Side (1) >> Remove [3x]



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

22. Transmission Mount Frame Side Nut - Left Side (1) >> Remove [3x]



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

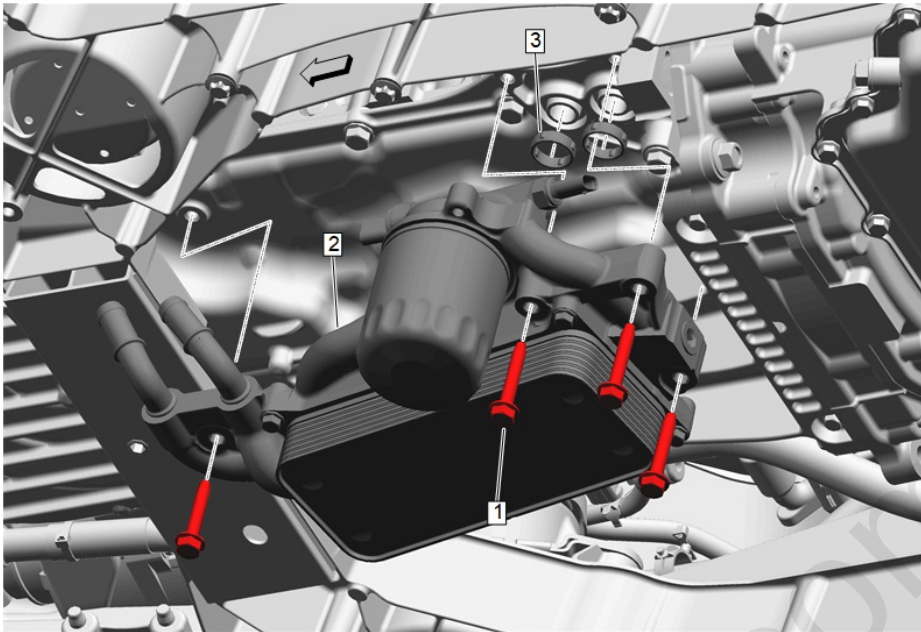
24. Transmission Mount Frame Side Nut - Right Side (1) >> Remove [3x]

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

26. Note:

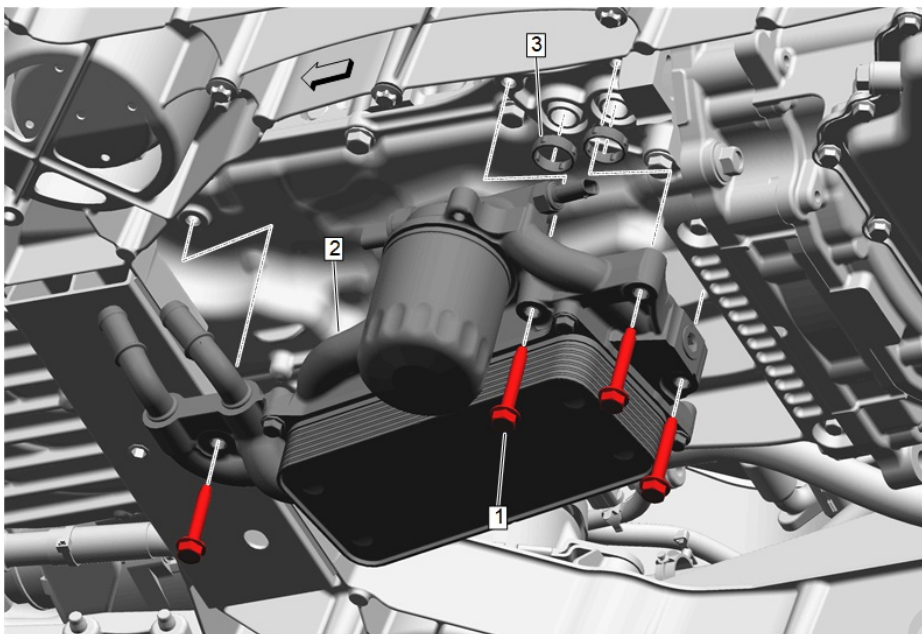
Place a block of wood between the oil pan and the jack stands to prevent damage to the oil pan.

27. Place two suitable jack stands at points A and B as shown at the oil pan. Raise the engine and transmission approximately 1 inch (25mm) to provide clearance for removal and installation of the front engine oil cooler adapter bolt.

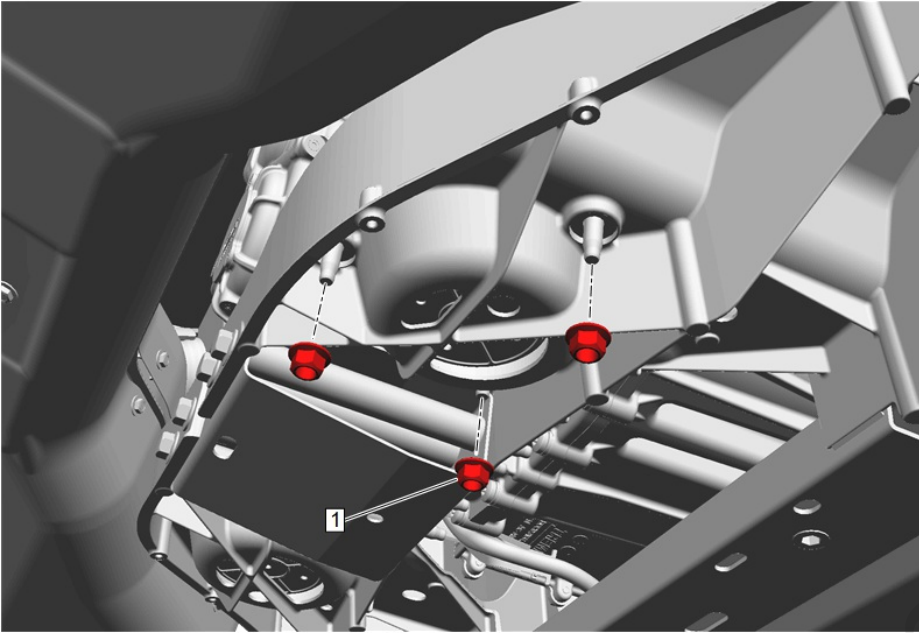


28. [Click here for full size](#)
29. Engine Oil Cooler Adapter Bolt (1) >> Remove [4x]
30. Engine Oil Cooler Adapter (2) >> Remove
31. Oil Pan High Pressure Port Seal (3) >> Remove and DISCARD [2x]
32. Transfer components as necessary.

Installation Procedure

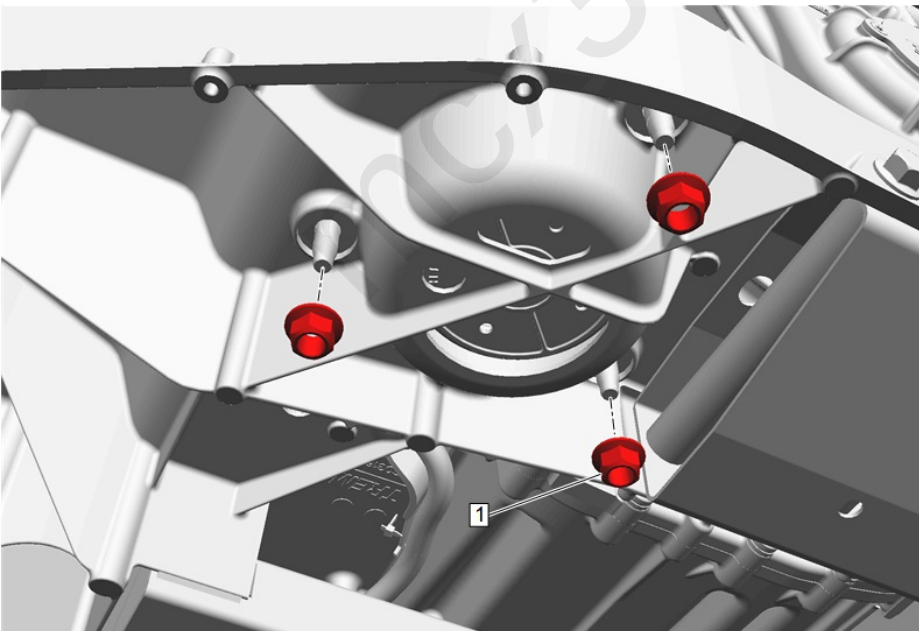


1. [Click here for full size](#)
2. Oil Pan High Pressure Port Seal (3) >> Install NEW [2x]
3. Engine Oil Cooler Adapter (2) >> Install
4. Caution:
Refer to Fastener Caution.
5. Engine Oil Cooler Adapter Bolt (1) >> Install and tighten [4x]25 N-m (18 lb ft)
6. Lower the engine and transmission back into place.



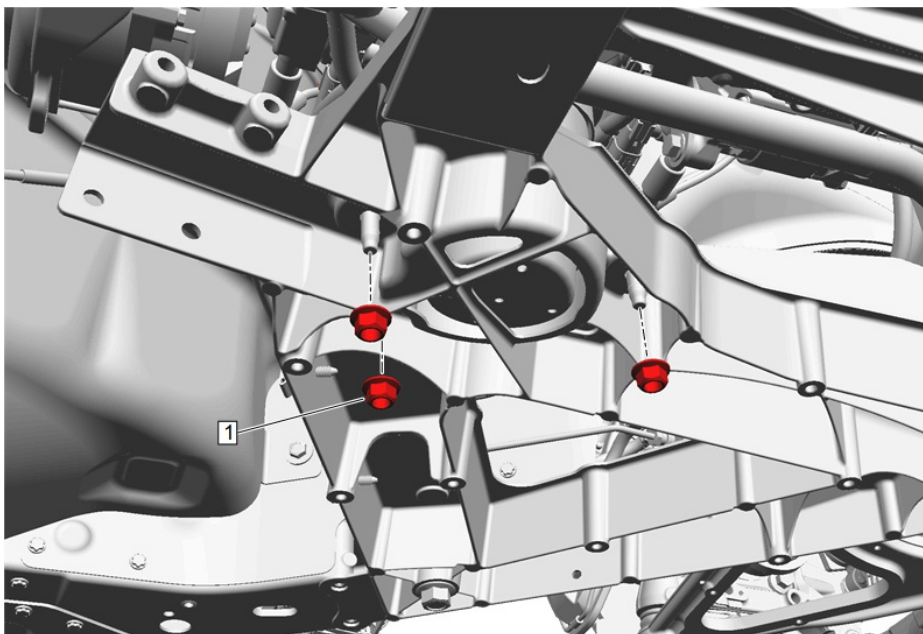
7.
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8. Transmission Mount Frame Side Nut - Right Side (1) >> Install and tighten [3x] - Transmission Mount Replacement - Right Side



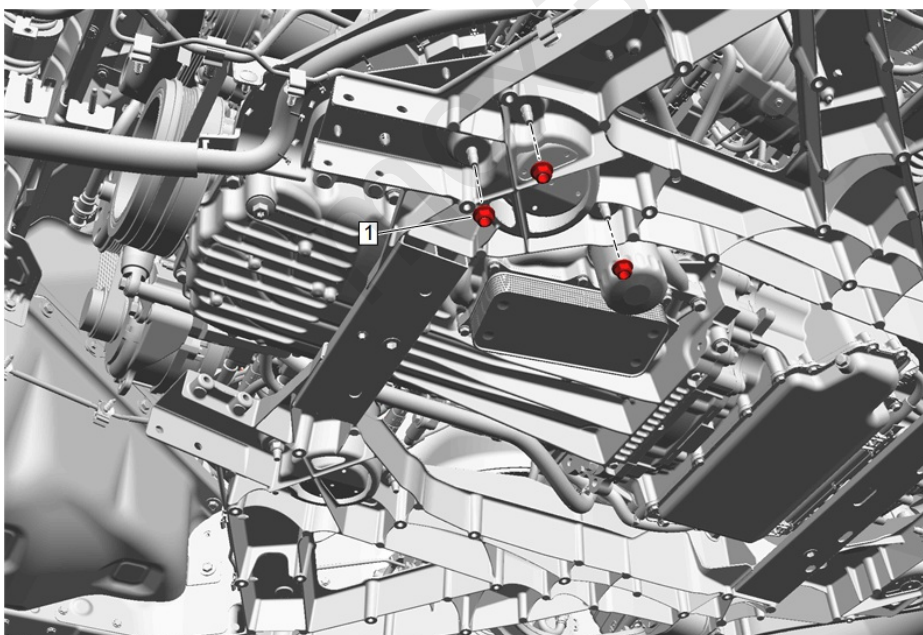
9.
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10. Transmission Mount Frame Side Nut - Left Side (1) >> Install and tighten [3x] - Transmission Mount Replacement - Left Side



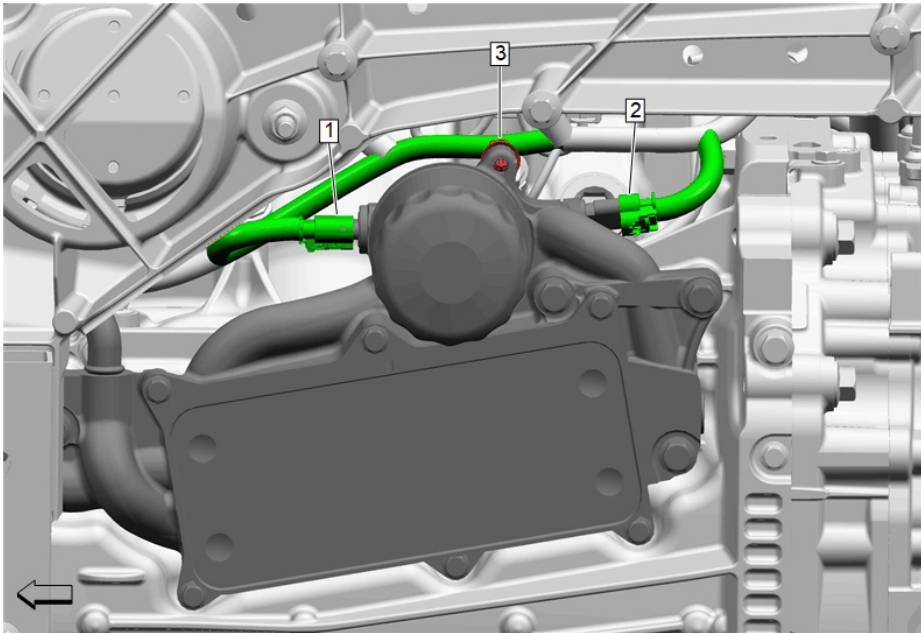
11.
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12. Engine Mount Frame Side Nut - Right Side (1) >> Install and tighten [3x] - Engine Mount Replacement - Right Side

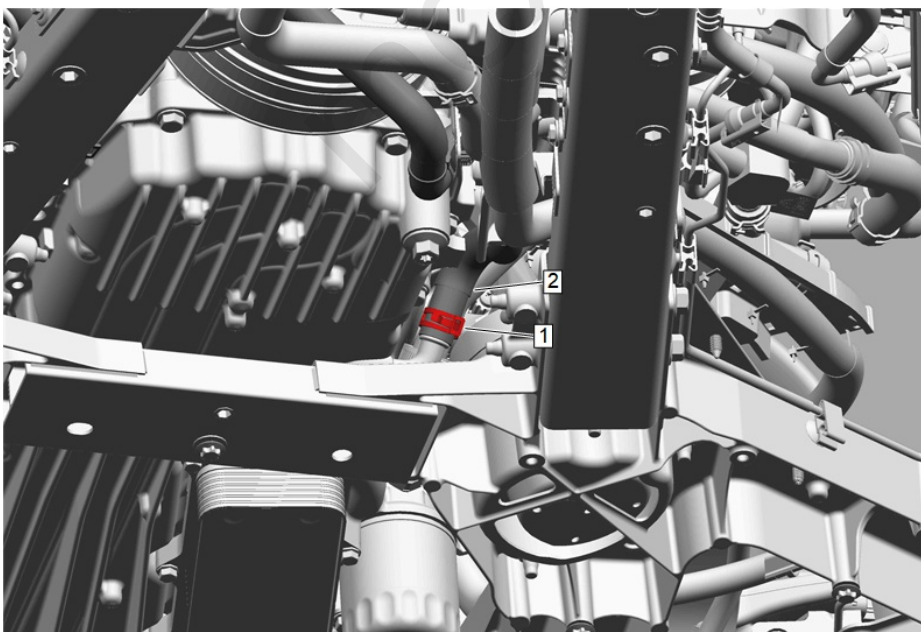


13.
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14. Engine Mount Frame Side Nut - Left Side (1) >> Install and tighten [3x] - Engine Mount Replacement - Left Side

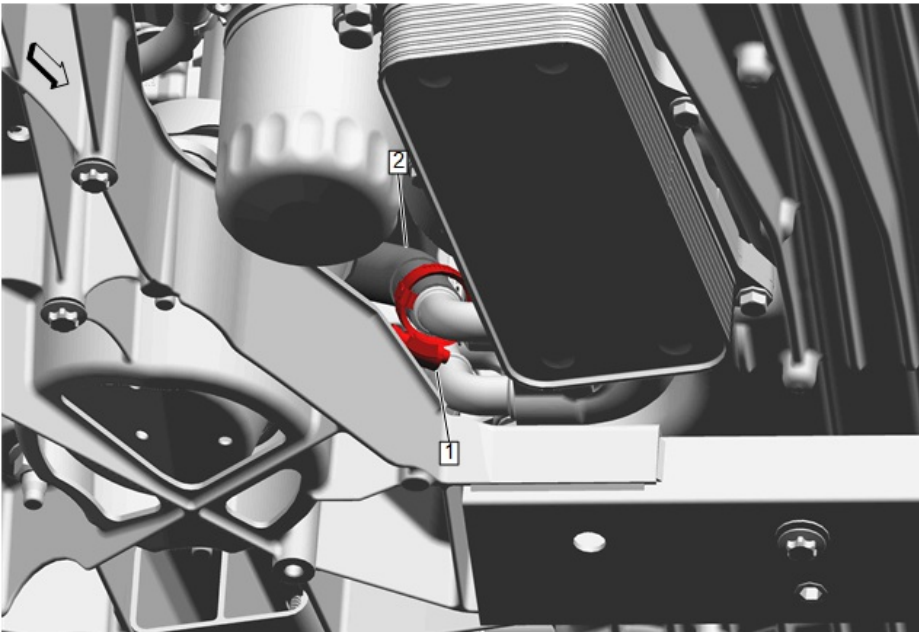


15. [Click here for full size](#)
16. Wiring Harness Retainer (3) @ Engine Oil Cooler Adapter >> Install
17. Electrical Connector (2) @ Engine Oil Temperature Sensor >> Connect
18. Electrical Connector (1) @ Engine Oil Pressure Sensor >> Connect



19. [Click here for full size](#)
20. Water Pump Inlet Hose (2) @ Engine Oil Cooler Adapter >> Install

21. Hose Clamp (1) >> Engage - Hose Clamp Replacement Guidelines - Spring Type



22.
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23. Water Pump Outlet Pipe (2) @ Engine Oil Cooler Adapter >> Install

24. Note:

Refer to the procedure link for torque specification.

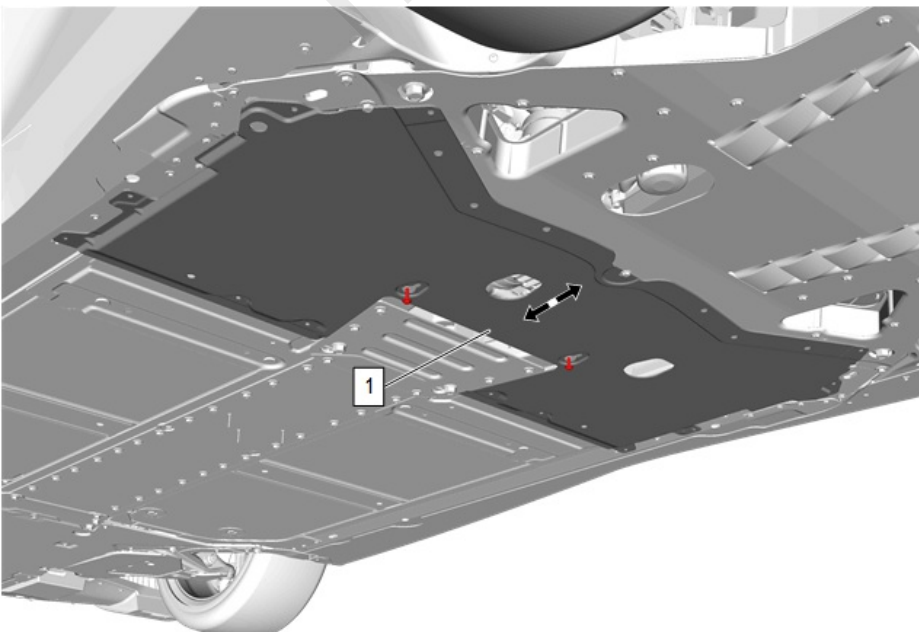
25. Hose Clamp (1) >> Tighten - Water Pump Outlet Pipe Replacement - Engine Coolant Manifold to Engine Oil Cooler Adapter

26. Fill the engine oil to the proper level with NEW engine oil. Engine Oil and Oil Filter Replacement

27.

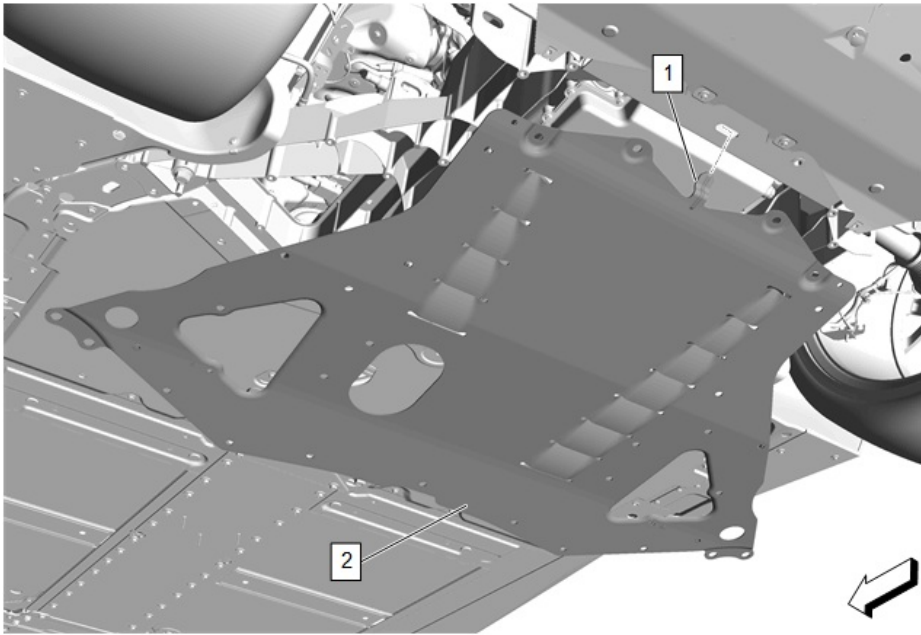
- Approximate Fluid Capacities
- Adhesives, Fluids, Lubricants, and Sealers

28. Fill the cooling system. Cooling System Draining and Filling



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

30. Underbody Rear Air Deflector (1) >> Install - Underbody Rear Air Deflector Replacement



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

32. Rear Cradle Shear Plate (2) >> Install - Rear Cradle Shear Plate Replacement

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