

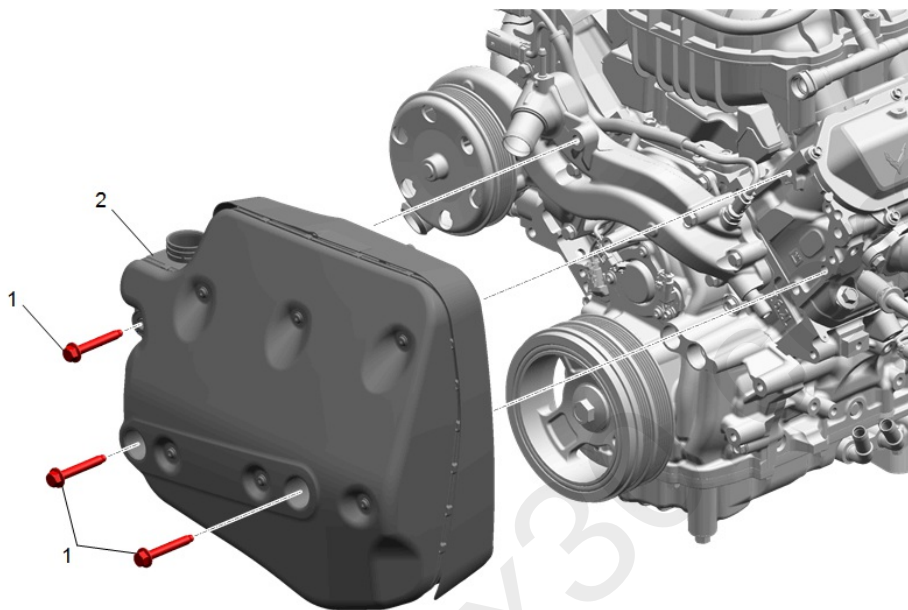
2022 CHEVROLET CORVETTE SERVICE MANUAL

- [SEARCH](#)

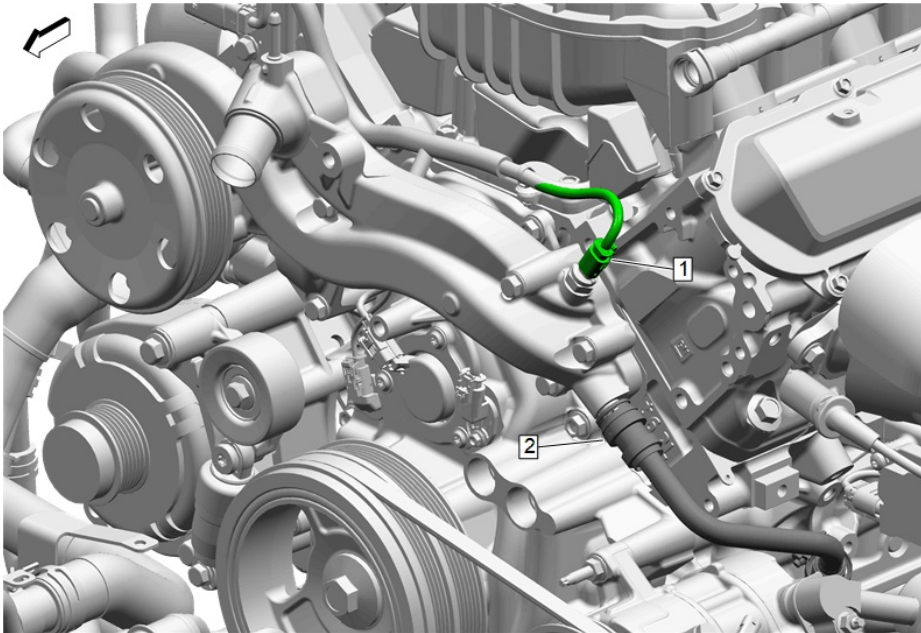
1. [Engine/Propulsion](#)
2. [Engine Heating and Cooling](#)
3. [Repair Instructions](#)
- 4.

Water Pump Replacement

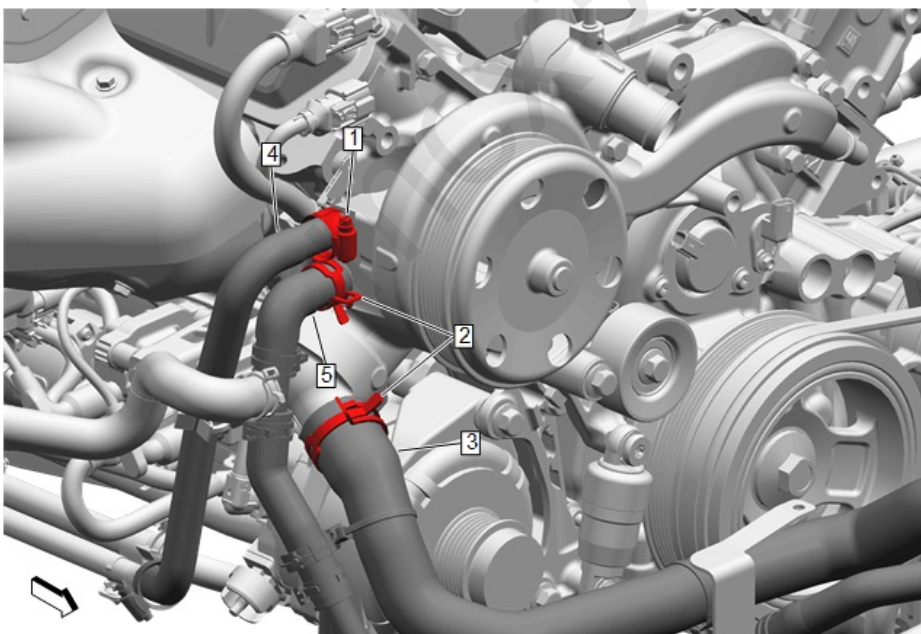
Removal Procedure



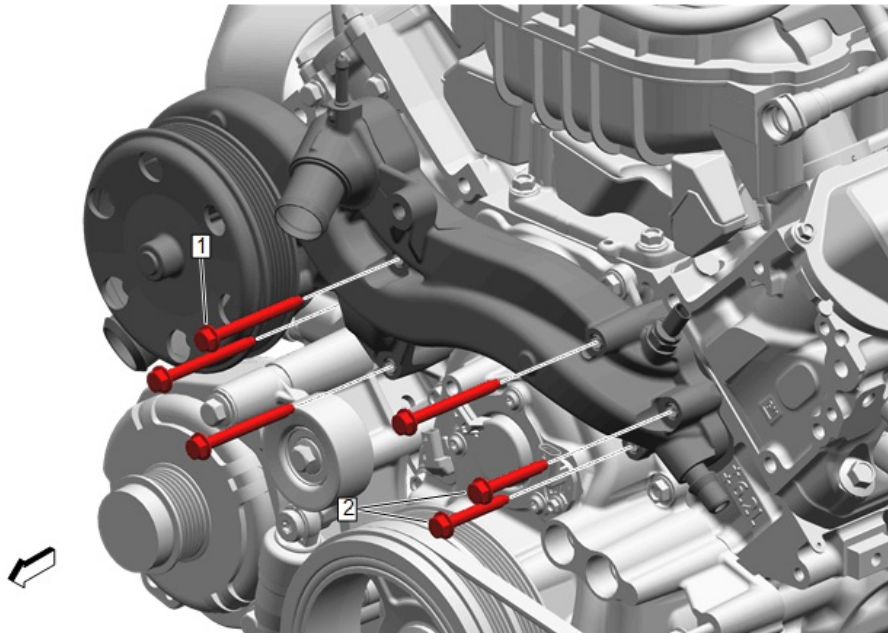
1. [Click here for full size](#)
2. [Engine Oil Tank \(2\) >> Remove - Engine Oil Tank Replacement](#)



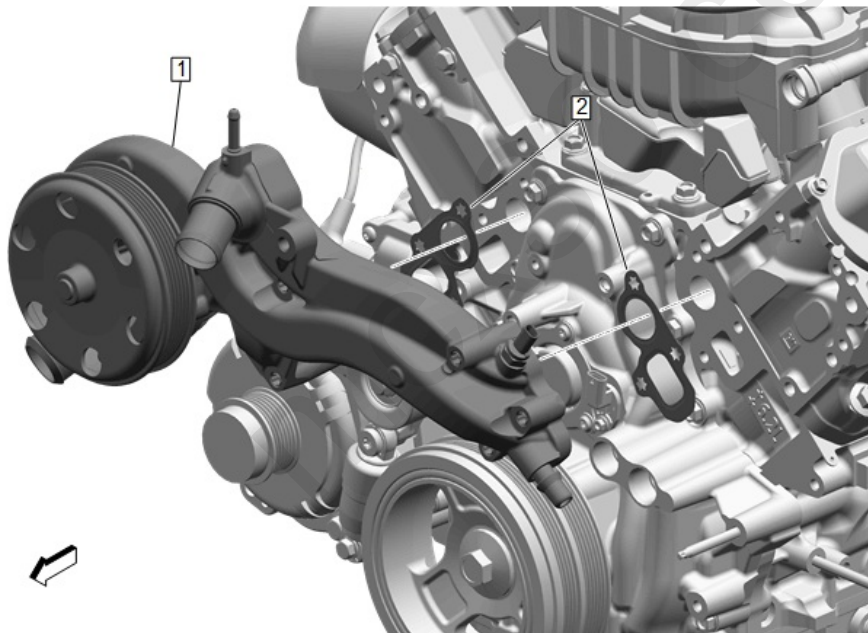
3. [Click here for full size](#)
4. Engine Coolant Temperature Sensor Electrical Connector (1) @ Water Pump >> Disconnect
5. Water Pump Outlet Pipe (2) @ Water Pump >> Remove - Water Pump Outlet Pipe Replacement - Engine Coolant Manifold to Engine Oil Cooler Adapter



6. [Click here for full size](#)
7. Hose Clamp (1) >> Loosen
8. Hose Clamp (2) >> Disengage - Hose Clamp Replacement Guidelines - Spring Type
9. Radiator Outlet Hose (4) @ Water Pump >> Remove
10. Heater Inlet Hose (5) @ Water Pump >> Remove

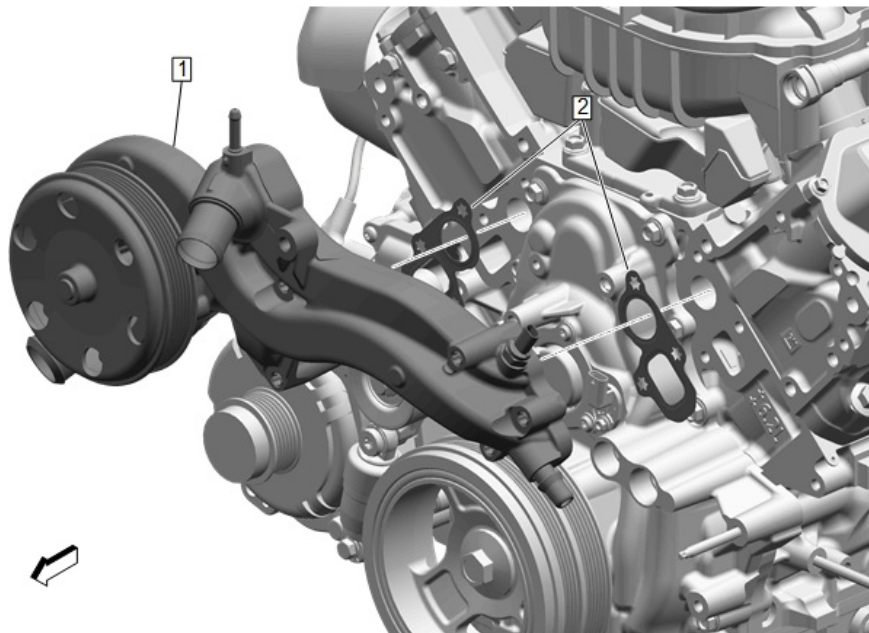


11. [Click here for full size](#)
12. Water Pump Housing Bolt (1) >> Remove [4x]
13. Water Pump Housing Bolt (2) >> Remove [2x]

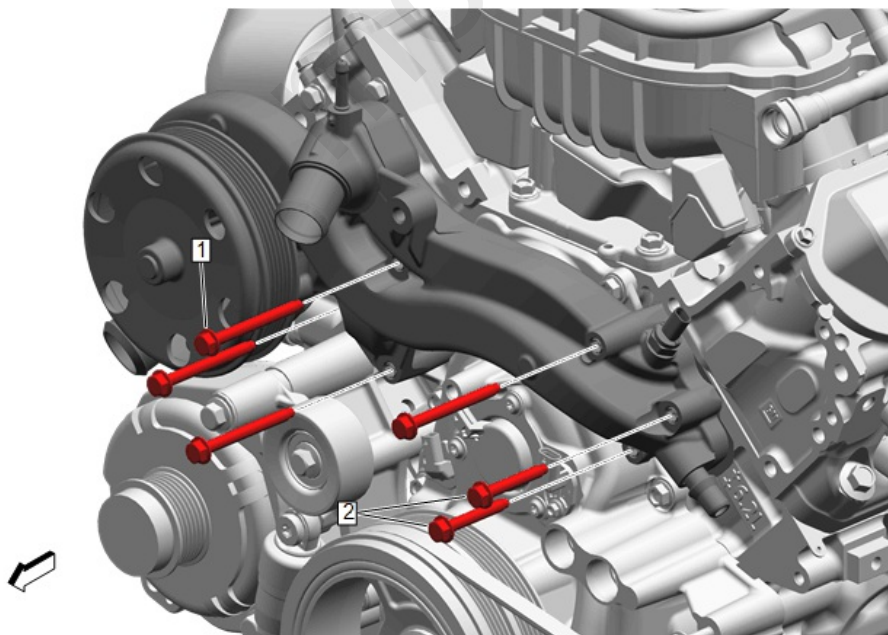


14. [Click here for full size](#)
15. Water Pump (1) >> Remove
16. Water Pump Housing Gasket (2) >> Remove and DISCARD [2x]
17. Transfer components as necessary.

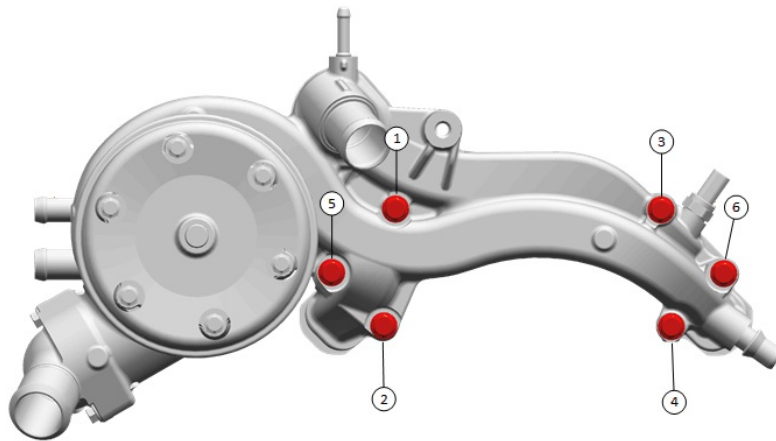
Installation Procedure



1. [Click here for full size](#)
2. Water Pump Housing Gasket (2) >> Install NEW [2x]
3. Water Pump (1) >> Install
4. Prepare the water pump housing bolts (1) as follows:
5.
 1. Remove any loose cured adhesive from the external threads of the components using a lint free cloth.
 2. Thread the cleaned components into the internal mating threads and remove to loosen trapped cured adhesive.
 3. Apply thread locking adhesive to the external threads of the components. Adhesives, Fluids, Lubricants, and Sealers
 4. Ensure there are no gaps in the thread locking adhesive once applied to the component.



6. [Click here for full size](#)
7. Water Pump Housing Bolt (1) >> Install and hand tighten [4x]
8. Water Pump Housing Bolt (2) >> Install and hand tighten [2x]

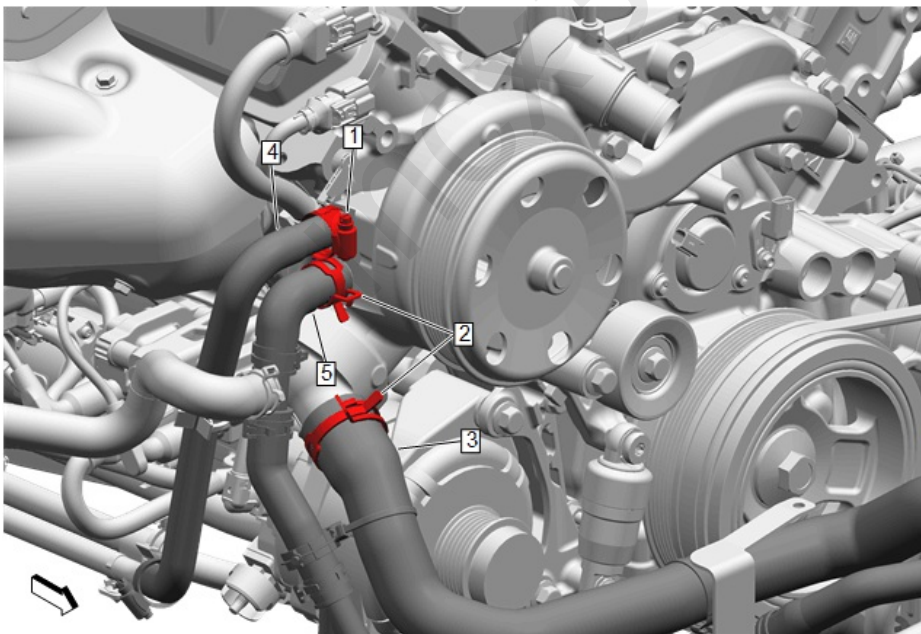


9.
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10. Caution:

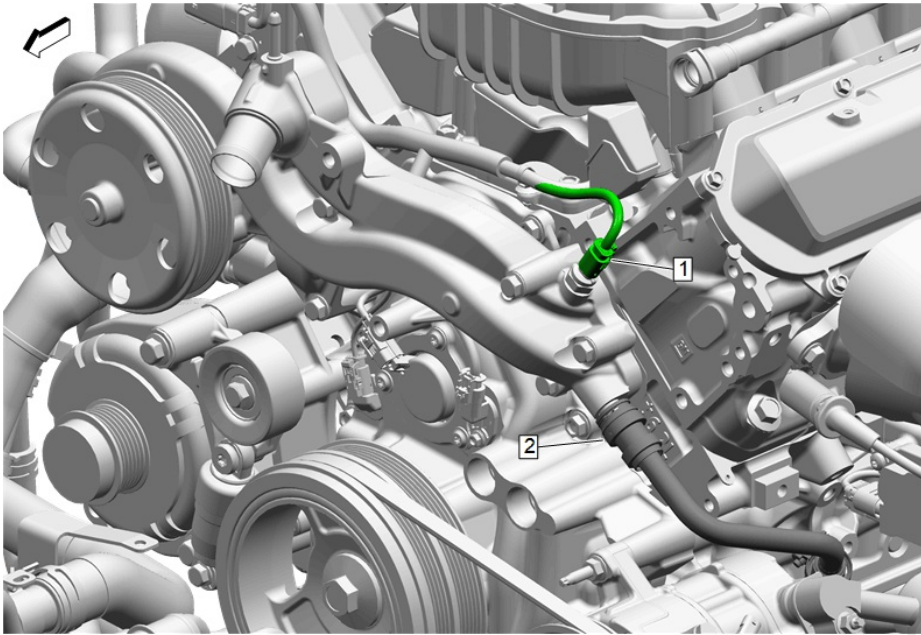
Refer to Fastener Caution.

11. Water Pump Housing Bolt (1) >> Tighten in sequence [6x]25 N-m (18 lb ft)

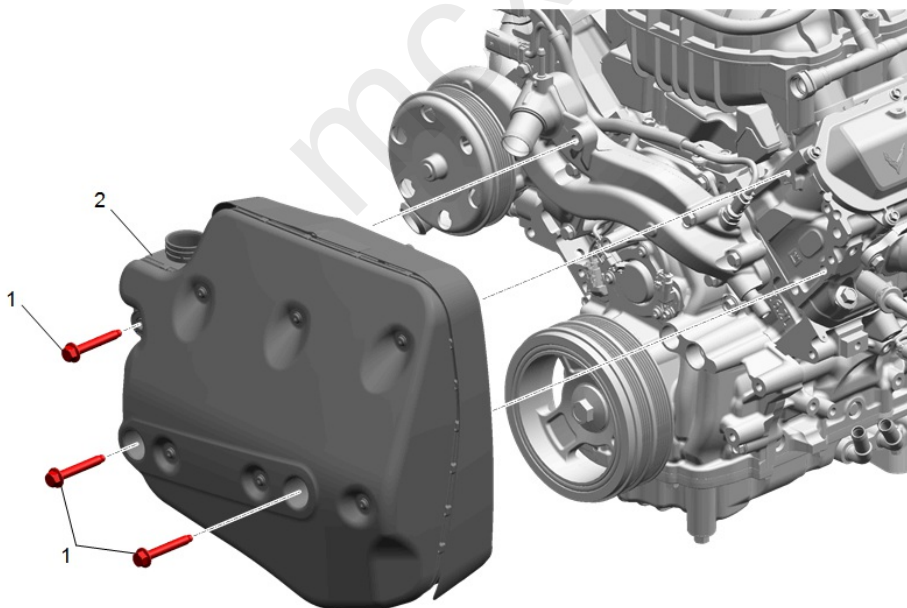


12.
Click here for full size

13. Heater Inlet Hose (5) @ Water Pump >> Install
14. Radiator Outlet Hose (4) @ Water Pump >> Install
15. Hose Clamp (2) >> Engage - Hose Clamp Replacement Guidelines - Spring Type
16. Hose Clamp (1) >> Tighten - Radiator Outlet Hose Replacement - A/C Tube to Engine Oil Cooler Adapter to Water Pump Outlet Pipe to Engine Coolant Manifold



17. [Click here for full size](#)
18. Water Pump Outlet Pipe (2) @ Water Pump >> Install - Water Pump Outlet Pipe Replacement - Engine Coolant Manifold to Engine Oil Cooler Adapter
19. Engine Coolant Temperature Sensor Electrical Connector (1) @ Water Pump >> Connect



20. [Click here for full size](#)
21. Engine Oil Tank (2) >> Install - Engine Oil Tank Replacement