

2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

1. Engine/Propulsion
2. Engine Mechanical - 6.2L (LT2)
3. Repair Instructions
- 4.

Cylinder Head Replacement - Left Side

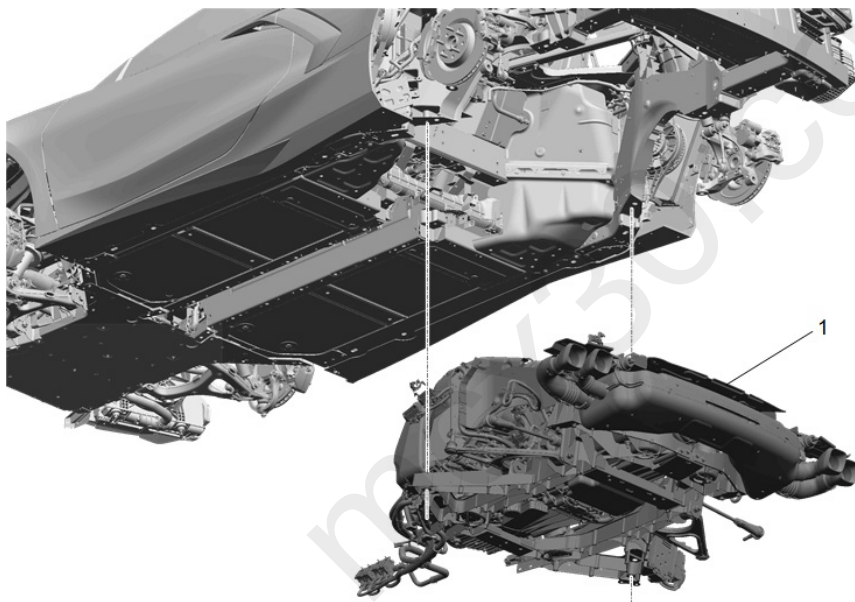
Special Tools

- EN45059, Angle Meter

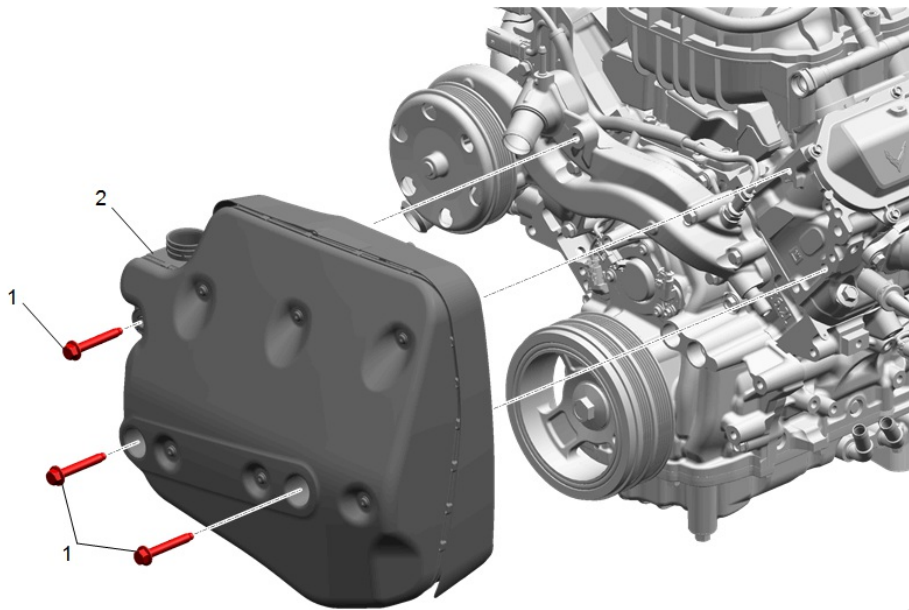
Equivalent regional tools: Special Tools

Removal Procedure

1. Drain the cooling system. [Cooling System Draining and Filling](#)

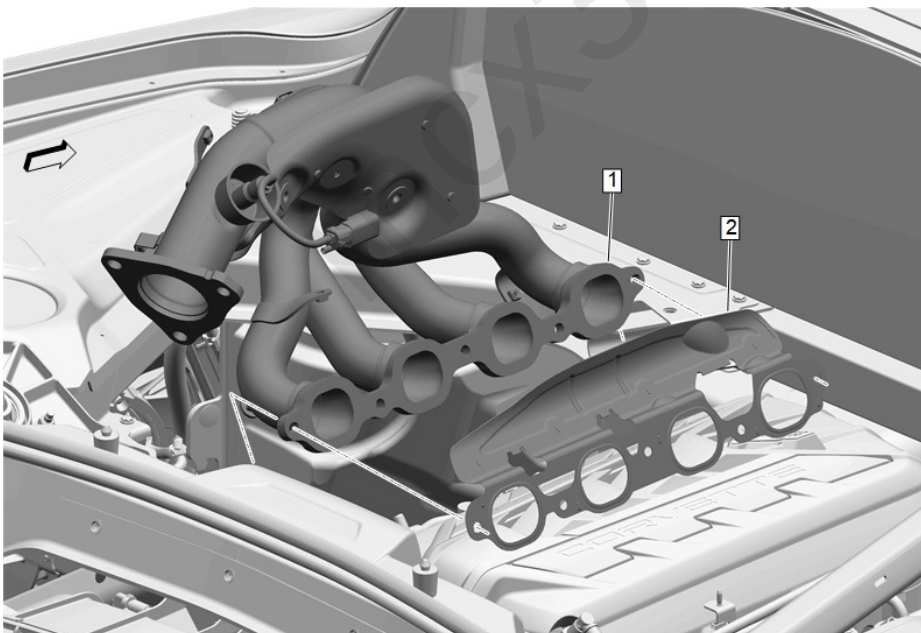


2. [Click here for full size](#)
3. Engine (1) >> Remove - Engine Replacement



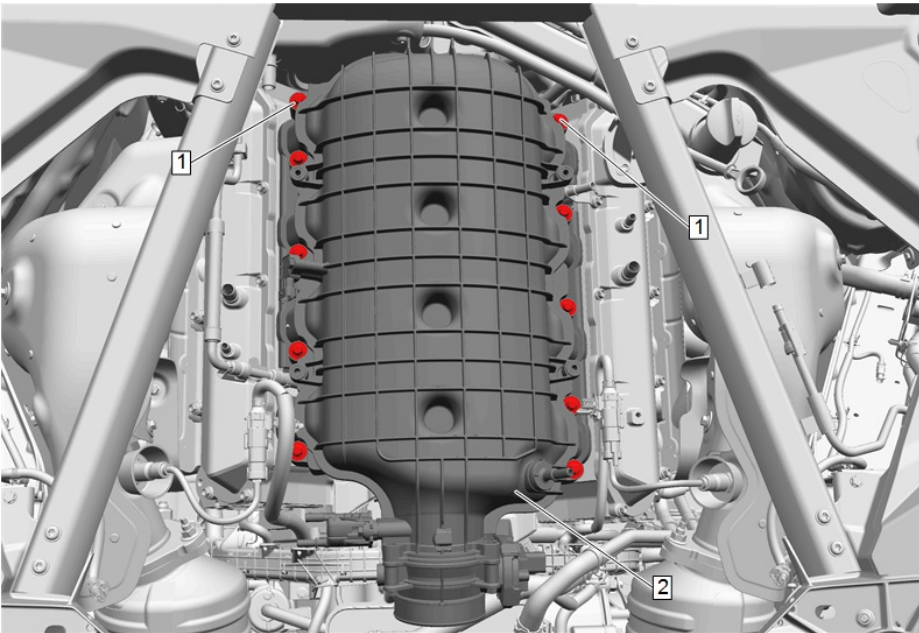
4.
[Click here for full size](#)

5. Engine Oil Tank (2) >> Remove - Engine Oil Tank Replacement



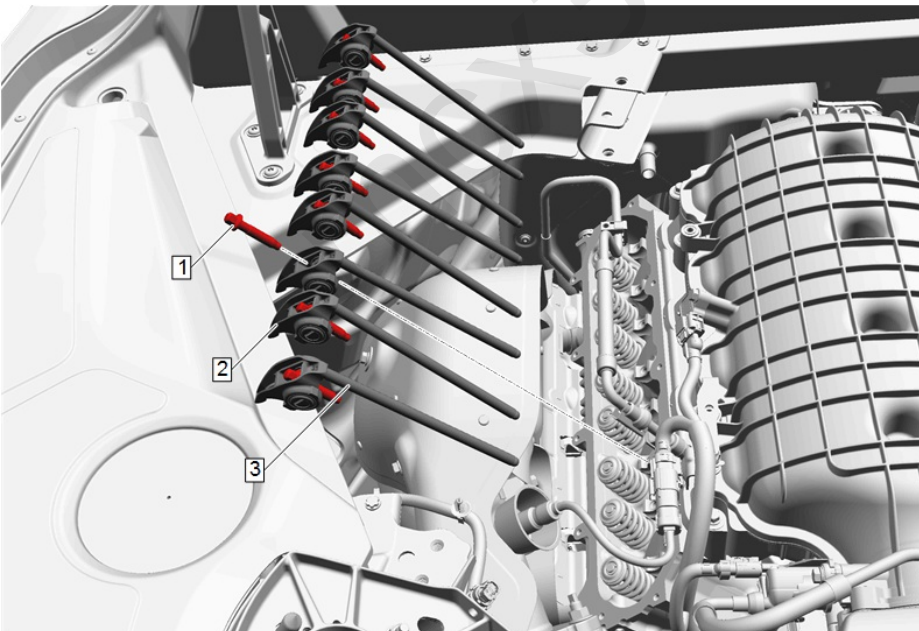
6.
[Click here for full size](#)

7. Exhaust Manifold - Left Side (1) >> Remove - Exhaust Manifold Replacement - Left Side



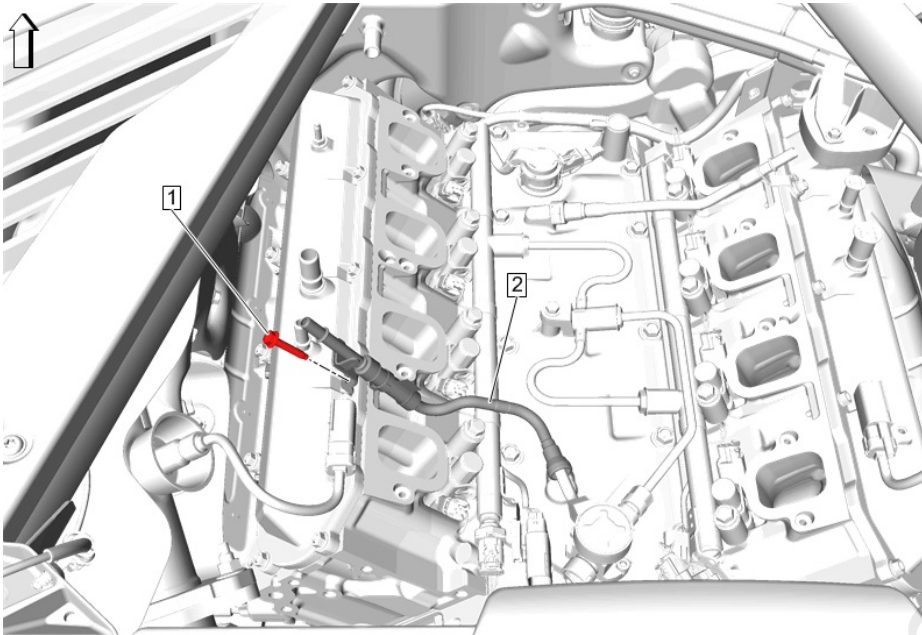
8.
[Click here for full size](#)

9. Intake Manifold (2) >> Remove - Intake Manifold Replacement



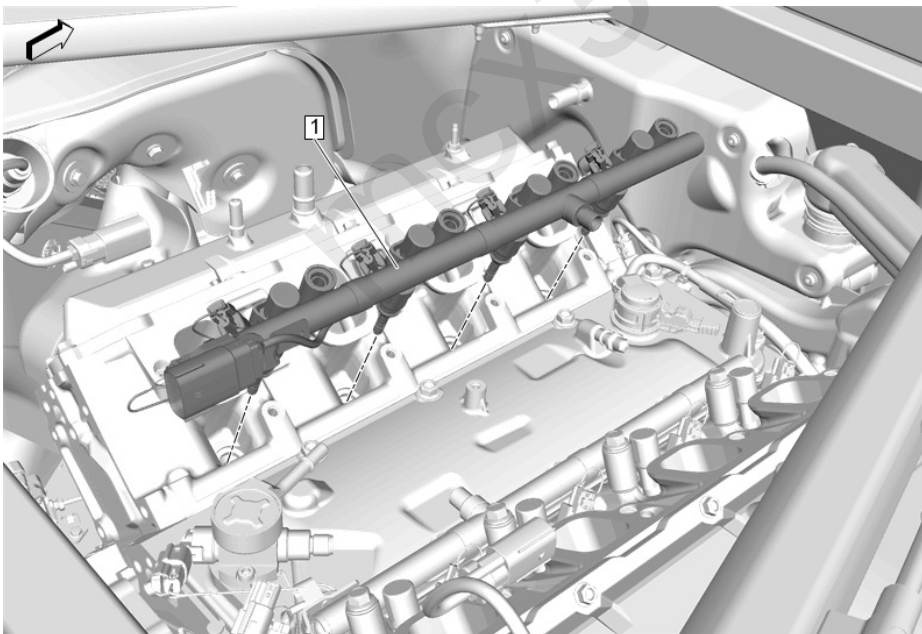
10.
[Click here for full size](#)

11. Remove the left side valve rocker arm and push rod assemblies. Valve Rocker Arm and Push Rod Replacement



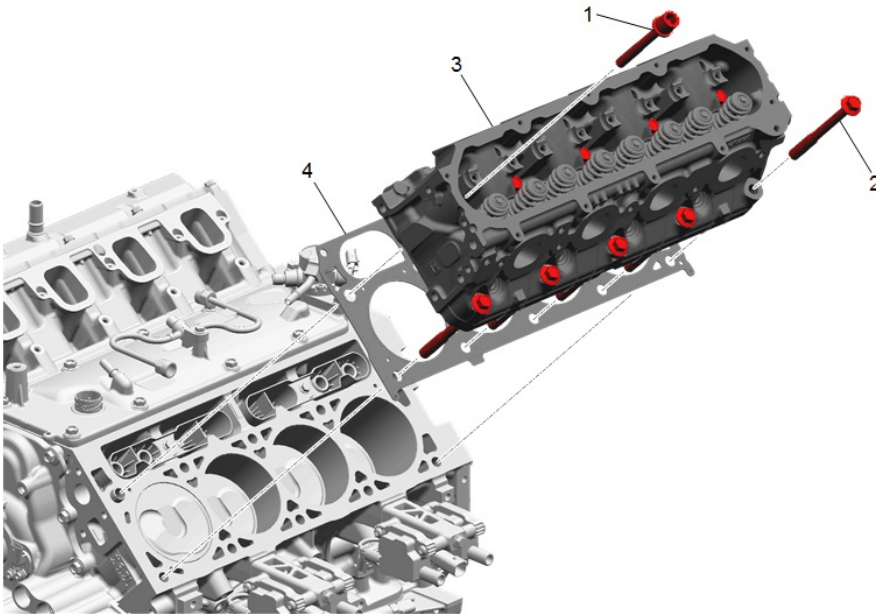
12.
[Click here for full size](#)

13. Fuel Feed Pipe (2) >> Remove - Fuel Feed Pipe Replacement



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

15. Fuel Injection Fuel Rail (1) >> Remove - Fuel Injection Fuel Rail Assembly Replacement - Bank 1



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

17. Note:

The cylinder head bolts are of a torque-to-yield design and are NOT to be reused.

18. Cylinder Head Bolt (1 and 2) >> Remove and DISCARD [10x]

19. Caution:

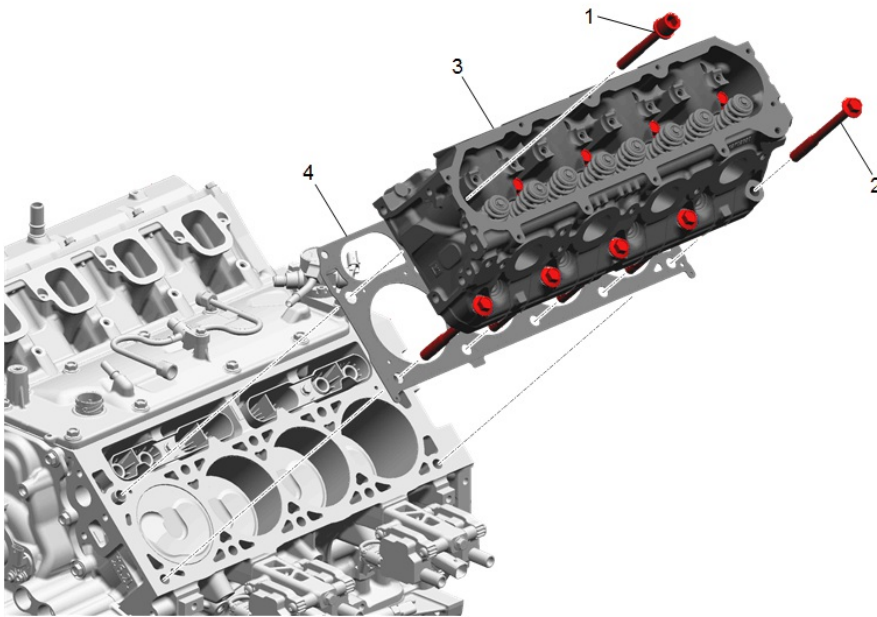
After removal, place the cylinder head on 2 wood blocks in order to prevent damage to the sealing surfaces.

20. Cylinder Head (3) >> Remove

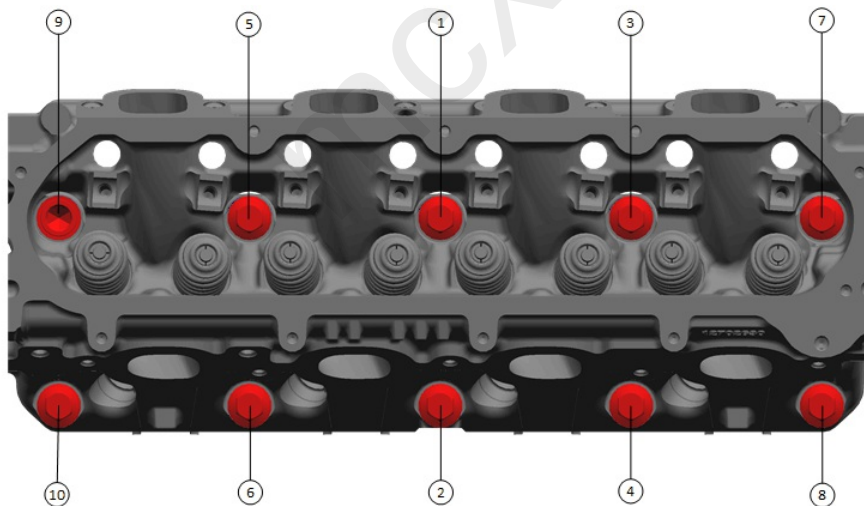
21. Cylinder Head Gasket (4) >> Remove and DISCARD - Replacing Engine Gaskets

22. Cylinder Head (3) >> Clean and inspect - Cylinder Head Overhaul

Installation Procedure



1. [Click here for full size](#)
2. Cylinder Head Gasket (4) >> Install NEW
3. Cylinder Head (3) >> Install
4. Cylinder Head Bolt (1 and 2) >> Install and hand tighten [10x]



5. [Click here for full size](#)
6. Caution:
This vehicle is equipped with torque-to-yield or single use fasteners. Install a NEW torque-to-yield or single use fastener when installing this component. Failure to replace the torque-to-yield or single use fastener could cause damage to the vehicle or component.
7. Caution:
Refer to Fastener Caution.

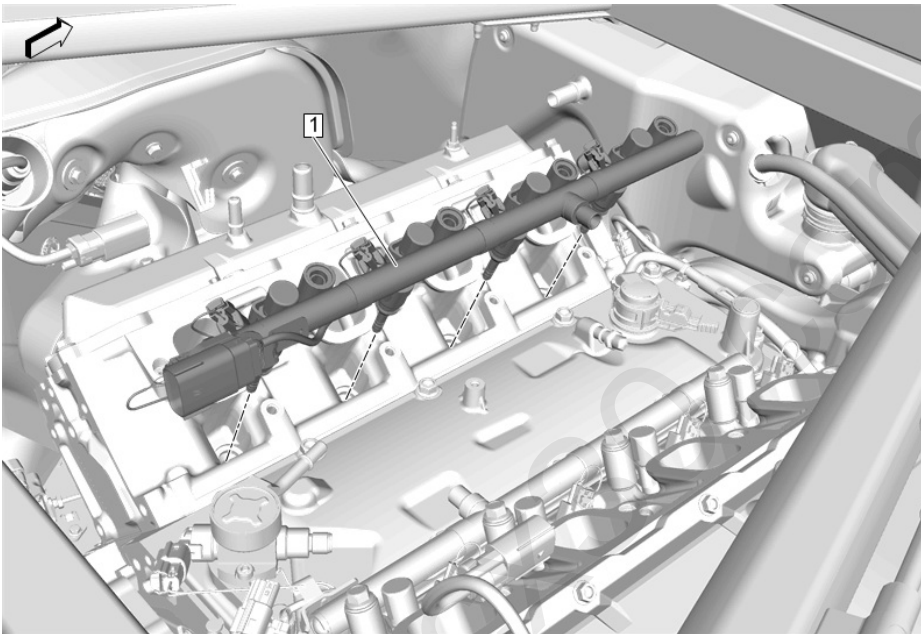
8. Note:

The forward most fastener on the left side cylinder head is unique to all other cylinder head fasteners. It is shorter, has an internal hex drive and has a lower final tightening torque angle.

9. Cylinder Head Bolt >> Tighten in sequence [10x]

10.

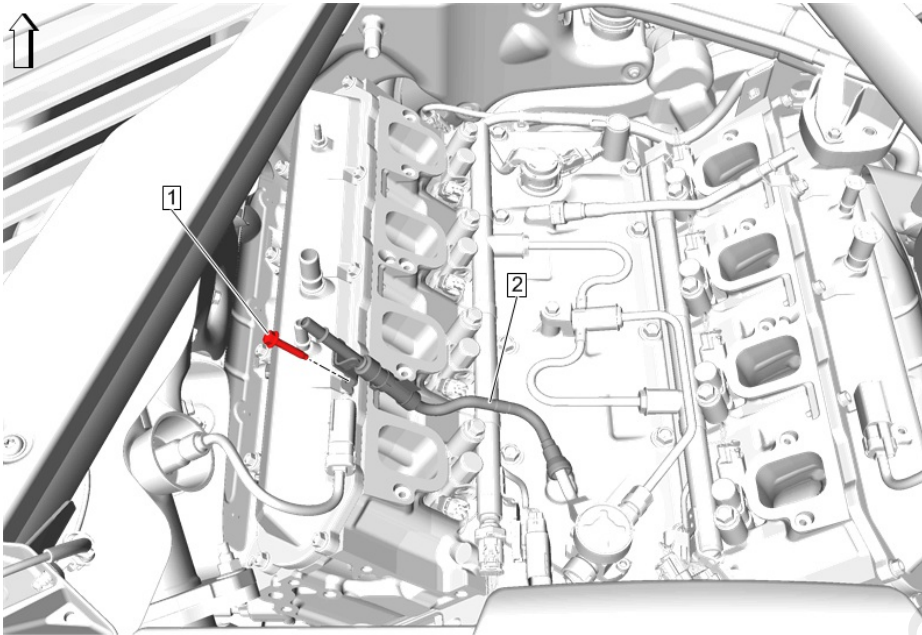
1. First Pass: 80 N-m (59 lb ft)
2. Second Pass: 90 degrees - Using the EN 45059 Angle Meter
3. Final Pass: 40 degrees - Internal hex drive bolt only
4. Final Pass: 60 degrees - External drive bolts only



11.

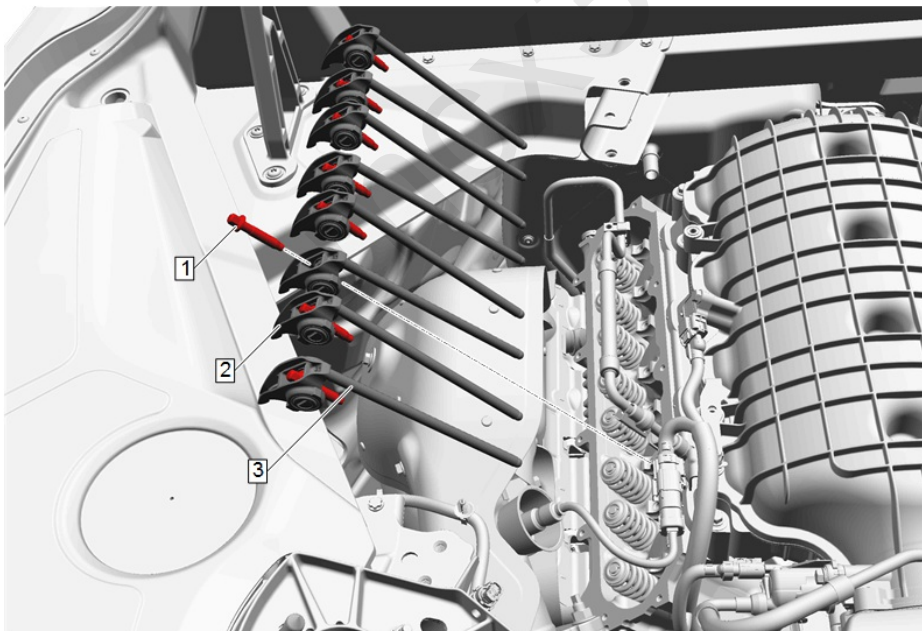
[Click here for full size](#)

12. Fuel Injection Fuel Rail (1) >> Install - Fuel Injection Fuel Rail Assembly Replacement - Bank 1



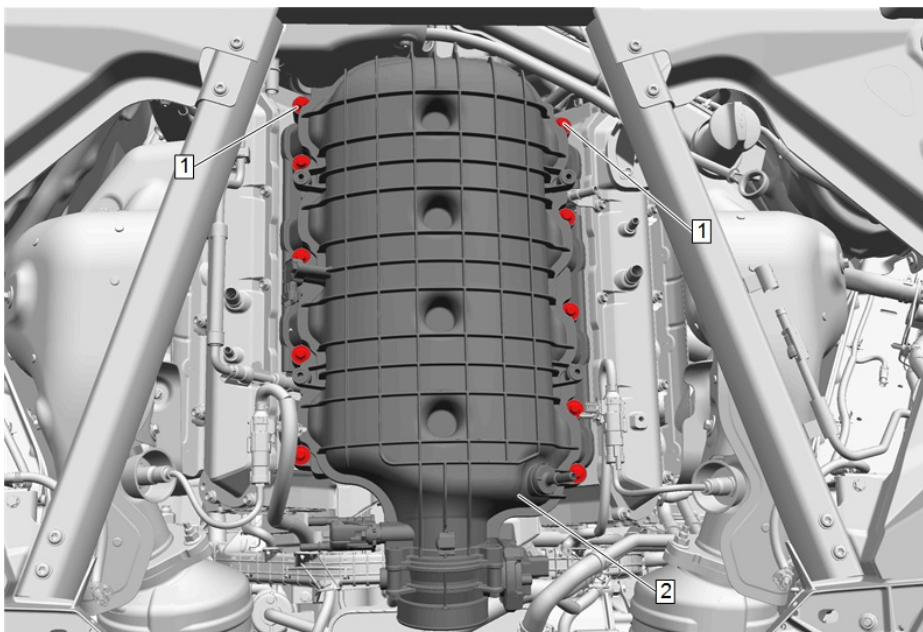
13.
[Click here for full size](#)

14. Fuel Feed Pipe (2) >> Install - Fuel Feed Pipe Replacement



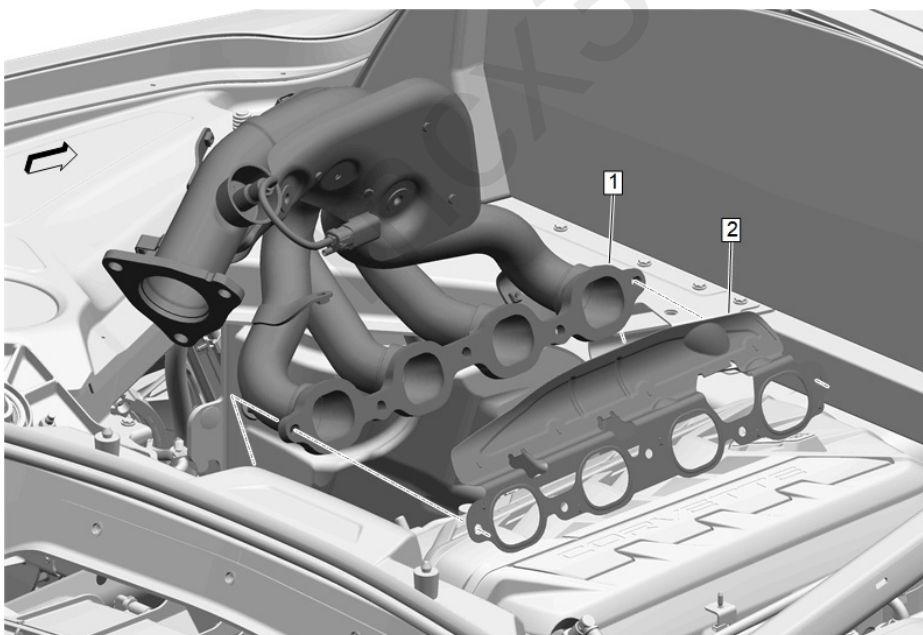
15.
[Click here for full size](#)

16. Install the left side valve rocker arm and push rod assemblies. Valve Rocker Arm and Push Rod Replacement



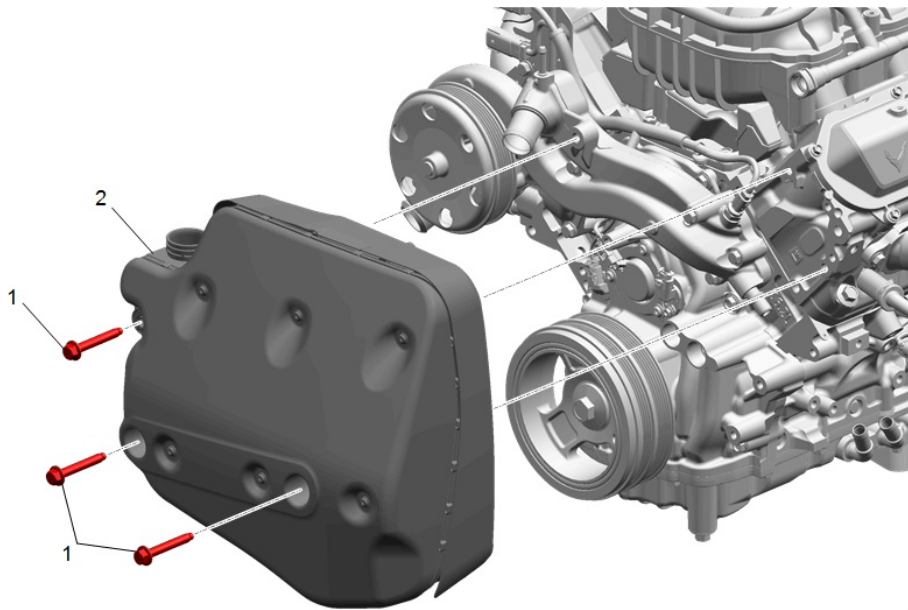
17.
[Click here for full size](#)

18. Intake Manifold (2) >> Install - Intake Manifold Replacement



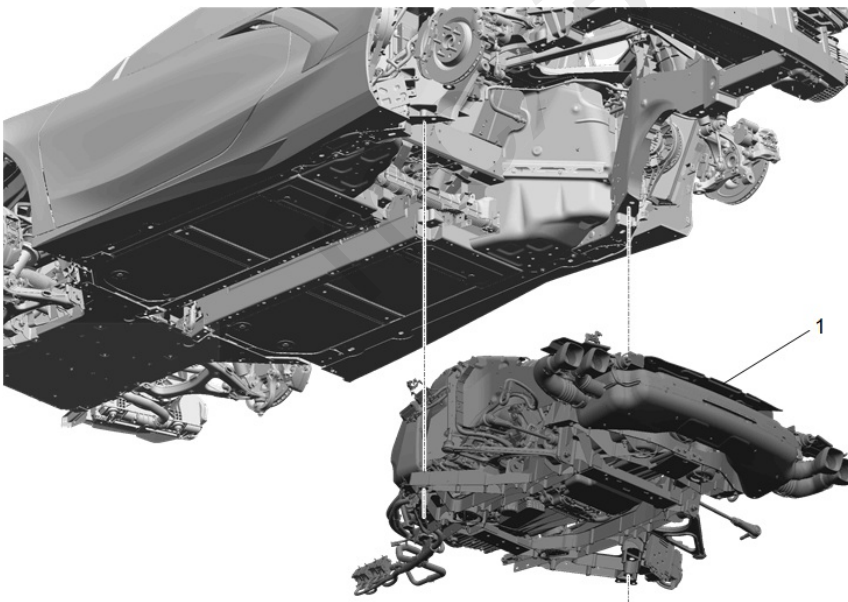
19.
[Click here for full size](#)

20. Exhaust Manifold - Left Side (1) >> Install - Exhaust Manifold Replacement - Left Side



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

22. Engine Oil Tank (2) >> Install - Engine Oil Tank Replacement



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

24. Engine (1) >> Install - Engine Replacement

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