

2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

1. Engine/Propulsion

2. Engine Controls and Fuel - 6.2L (LT2)

3. Repair Instructions

- 4.

Fuel Pump Replacement

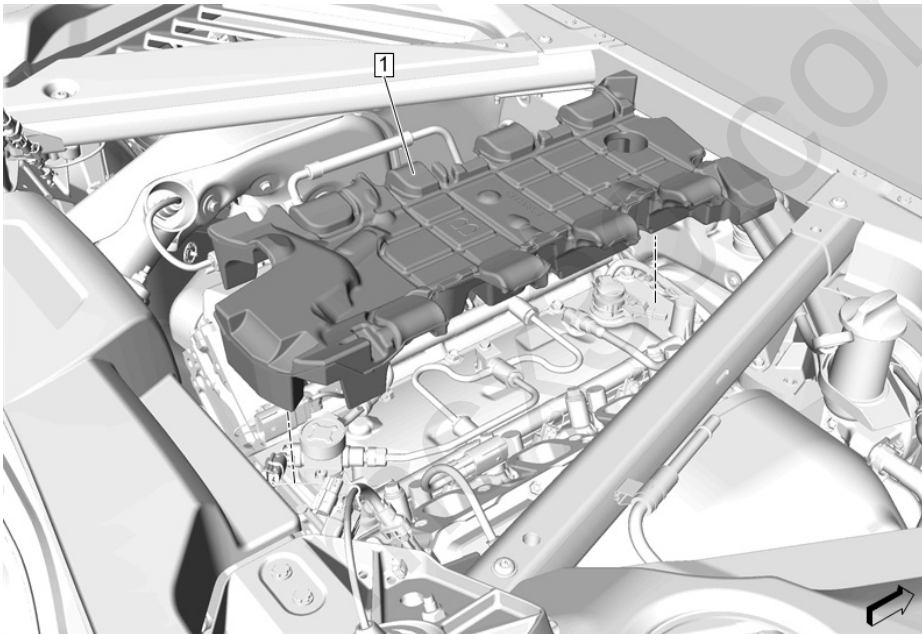
Special Tools

EN-51092 Fuel Pump Installation Gauge

Equivalent regional tools: Special Tools

Removal Procedure

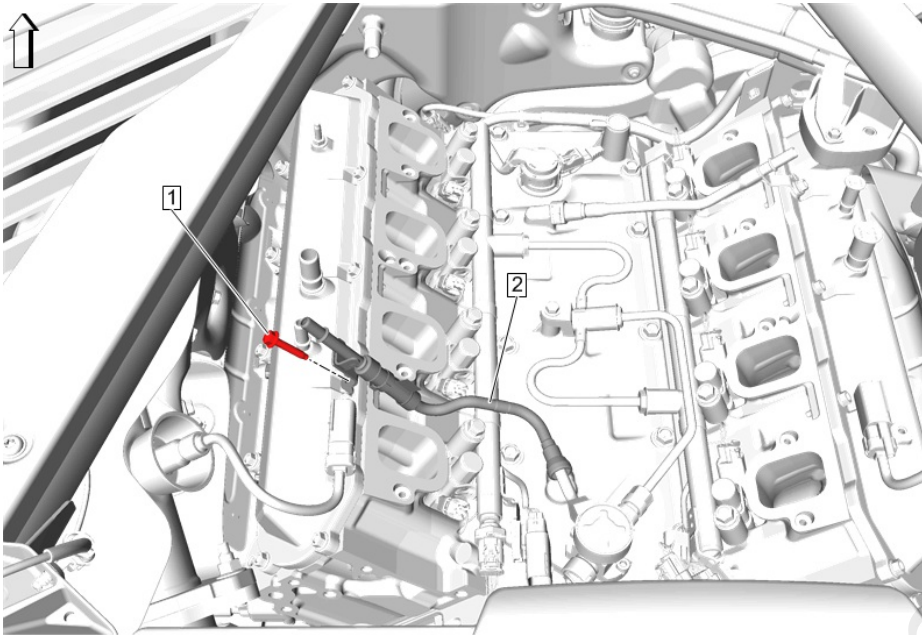
1. Relieve the fuel system pressure. Fuel Pressure Relief



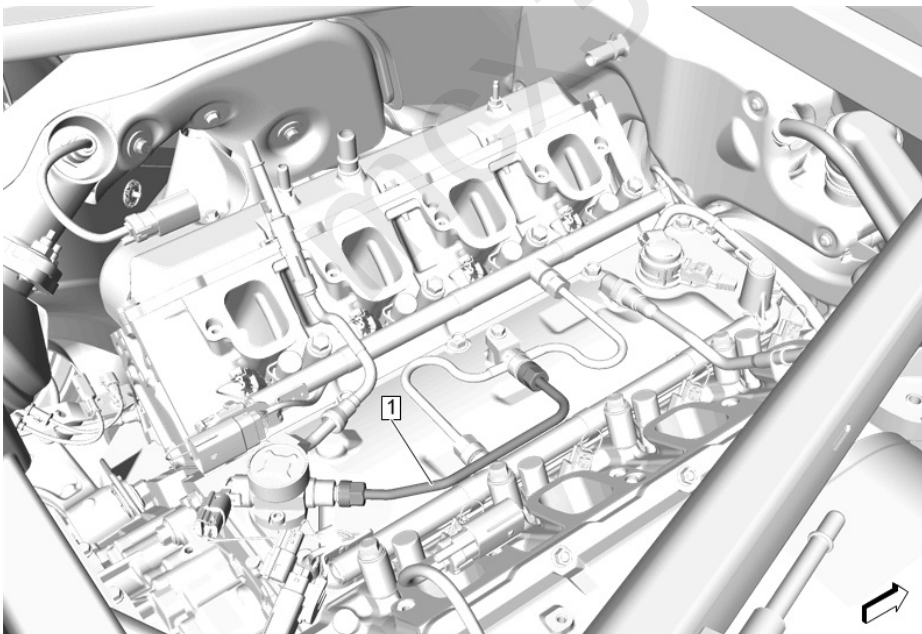
- 2.

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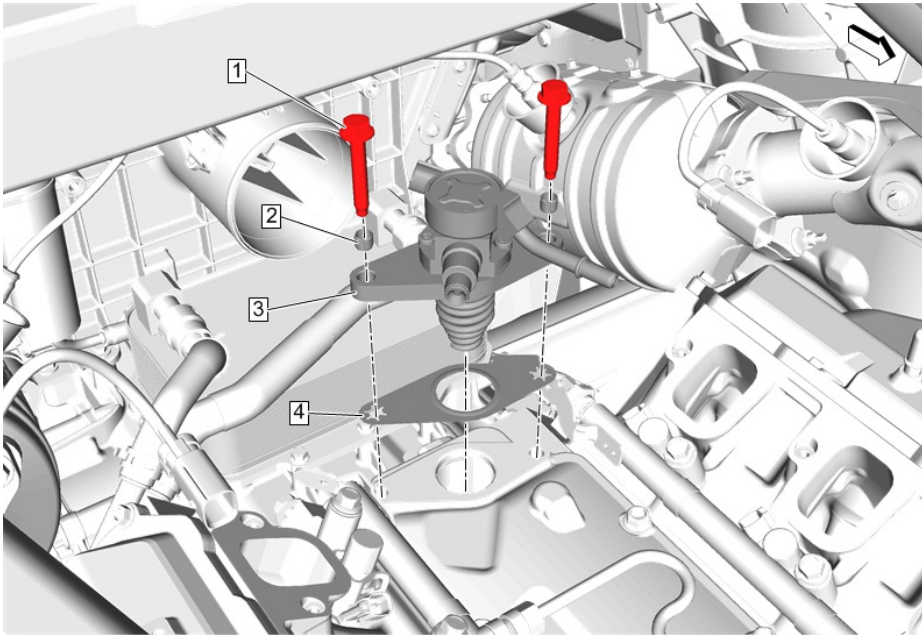
3. Fuel Pump Insulator (1>) >> Remove - Fuel Pump Insulator Replacement



4. [Click here for full size](#)
5. Fuel Feed Pipe (2>) >> Remove - Fuel Feed Pipe Replacement



6. [Click here for full size](#)
7. Fuel Feed Intermediate Pipe (1>) >> Remove - Fuel Feed Intermediate Pipe Replacement - Position 2
8. Disconnect and reposition the fuel pump and fuel injector wiring harness as necessary.



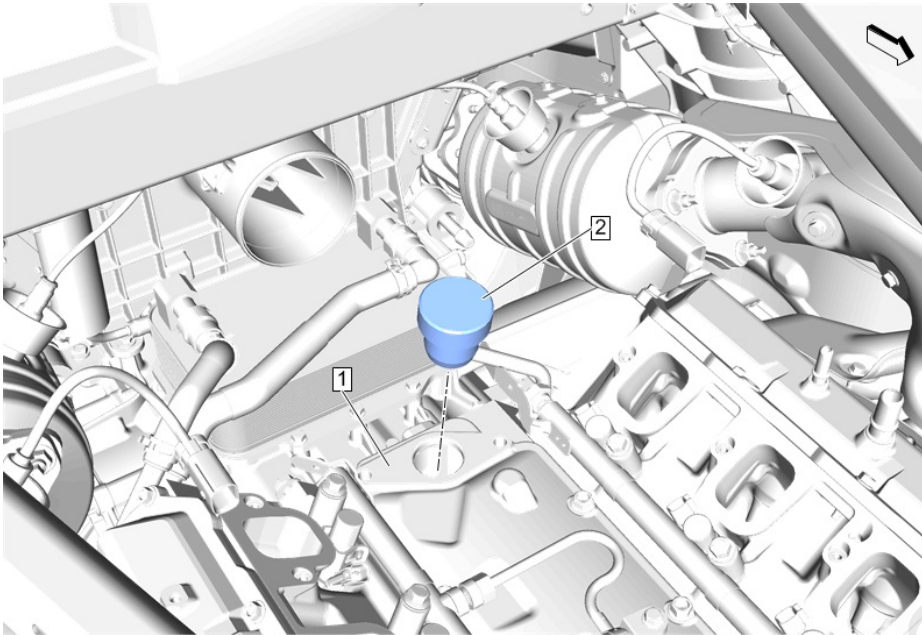
9. [Click here for full size](#)

10. **Caution:**

Alternately loosen the fuel pump bolts one turn at a time until the pump is fully disengaged from fuel pump lifter follower. Trying to remove the pump bolts without even side-to-side loosening may result in pump plunger damage

11. Fuel Pump Bolt (1>) >> Remove [2>x]
12. Fuel Pump Bolt Retainer (2>) >> Remove [2>x]
13. Fuel Pump (3>) >> Remove
14. Fuel Pump Bracket Gasket (4>) >> Remove and DISCARD

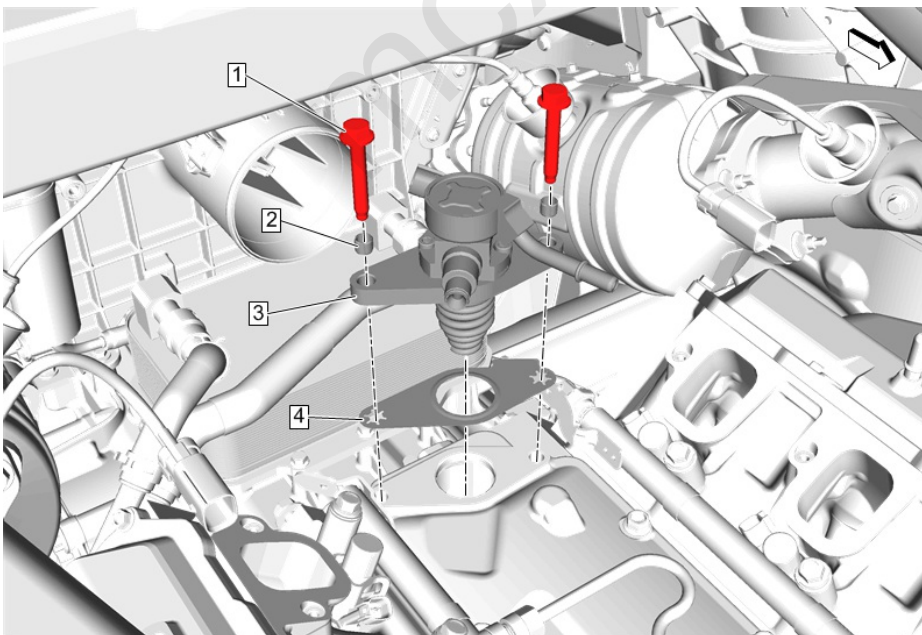
Installation Procedure



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

The camshaft must be in the base circle position before the fuel pump is installed.

3. Use the *EN-51092* Fuel Pump Installation Gauge (2>) to ensure that the camshaft lobe is in the base circle position. At base circle position, the tool will be flush with the top surface of the lifter oil manifold assembly (1>).



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

Ensure that the high pressure fuel pump roller lifter is oriented properly, the camshaft is at base circle and the number 1 piston is at top dead center (TDC) on the exhaust stroke.

6. Fuel Pump Bracket Gasket (4>) >>> Install NEW

7. Note:

Ensure the fuel pump bolt retainers (2>) are installed in the high pressure fuel pump mounting holes before installing.

8. Fuel Pump (3>) >>> Install

9. Caution:

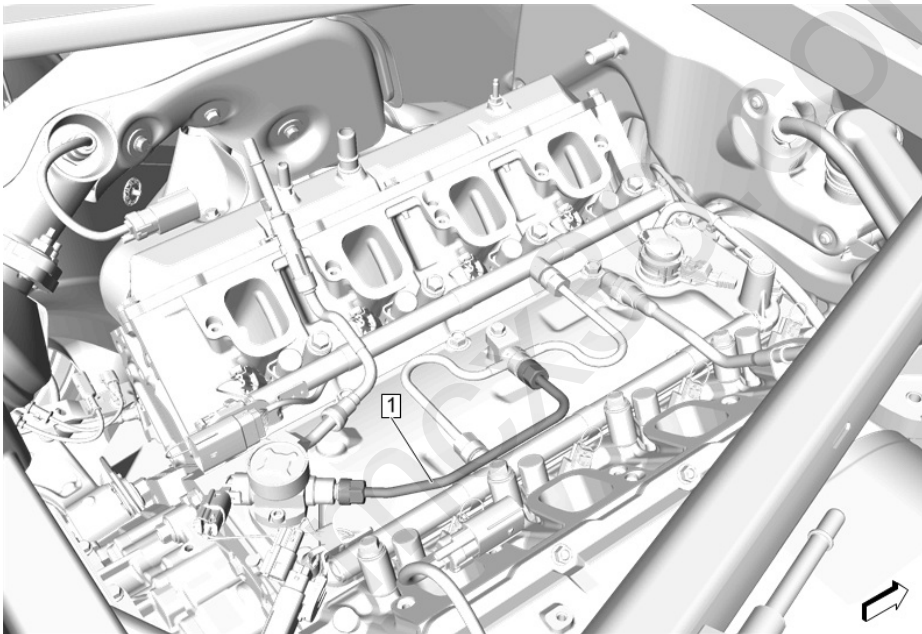
Refer to Fastener Caution.

10. Caution:

Alternately hand-tighten the fuel pump bolts one turn at a time until the pump is fully seated. Trying to draw down the pump without even side-to-side tightening may result in pump plunger damage.

11. Fuel Pump Bolt (1>) >>> Install and tighten [2>x]25N-m (18 lb ft)

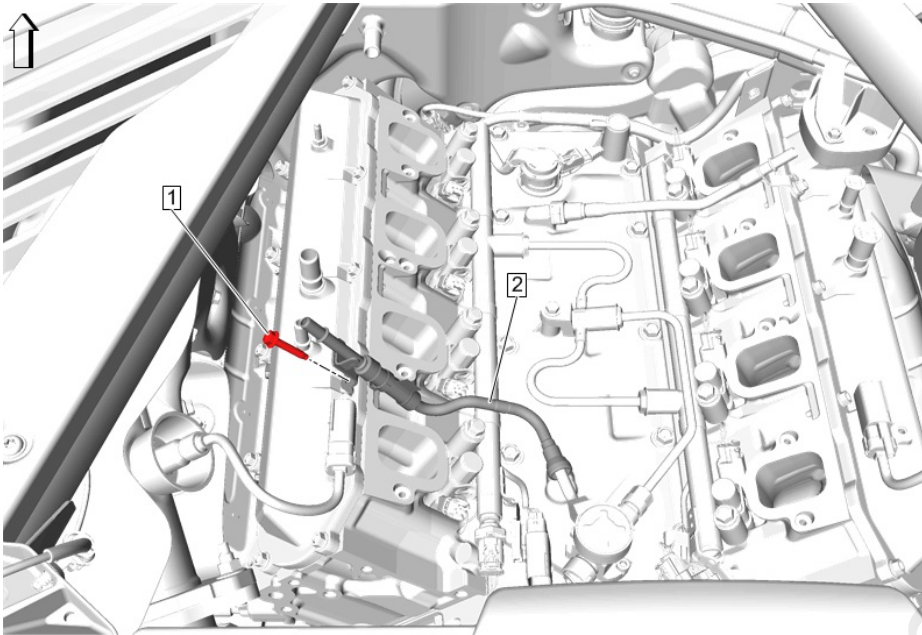
12. Position the fuel pump and fuel injector wiring harness and connect as necessary.



13.

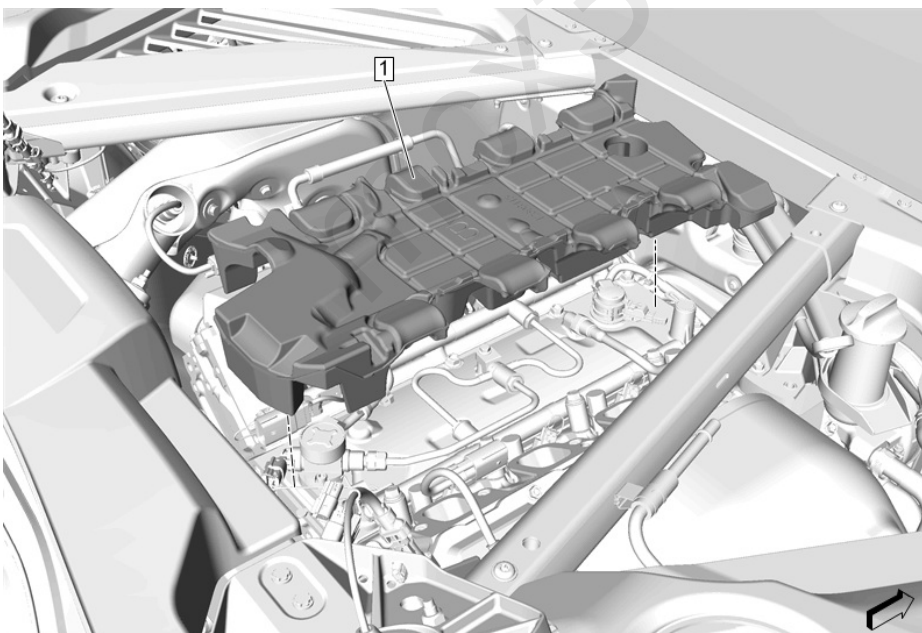
[Click here for full size](#)

14. Fuel Feed Intermediate Pipe (1>) >>> Install NEW - Fuel Feed Intermediate Pipe Replacement - Position 2



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

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



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

18. Fuel Pump Insulator (1>) >> Install - Fuel Pump Insulator Replacement