

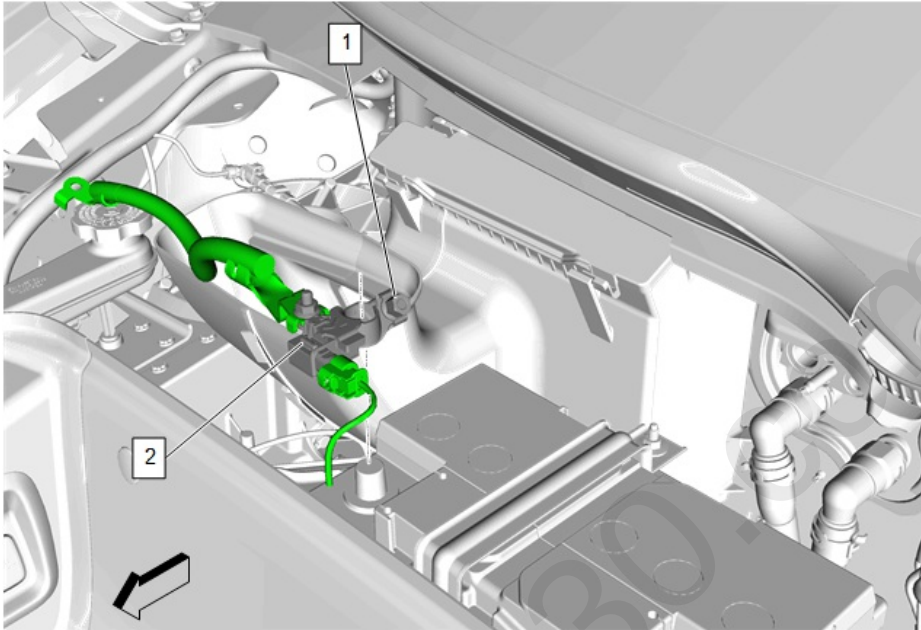
2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

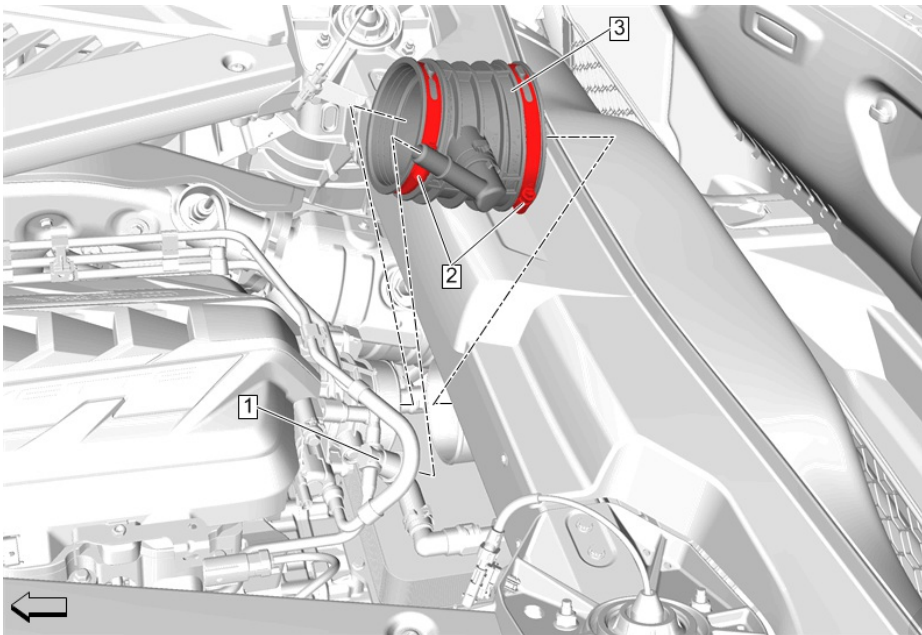
1. [Engine/Propulsion](#)
2. [Engine Mechanical - 6.2L \(LT2\)](#)
3. [Repair Instructions](#)
- 4.

Intake Manifold Replacement (Coupe)

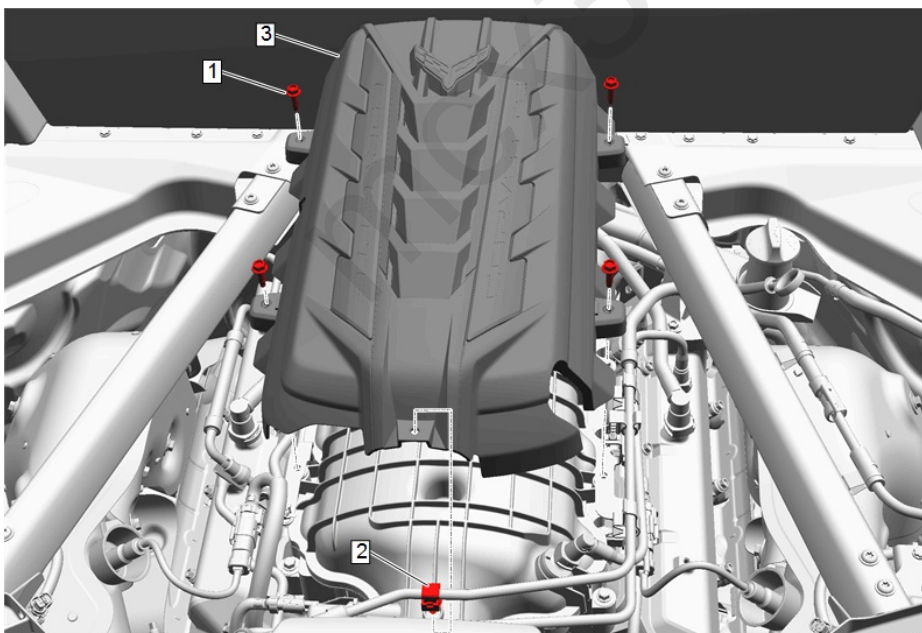
Removal Procedure



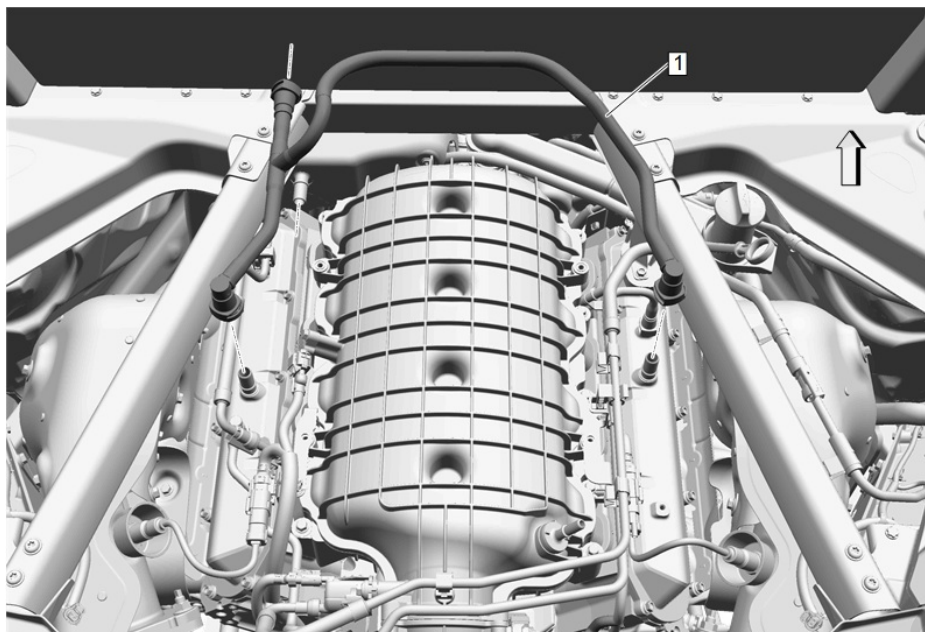
1. [Click here for full size](#)
2. Battery Monitor Module (2>) >> Disconnect - Battery Negative Cable Disconnection and Connection



3. [Click here for full size](#)
4. Air Cleaner Outlet Duct (3>) >> Remove - Air Cleaner Outlet Duct Replacement

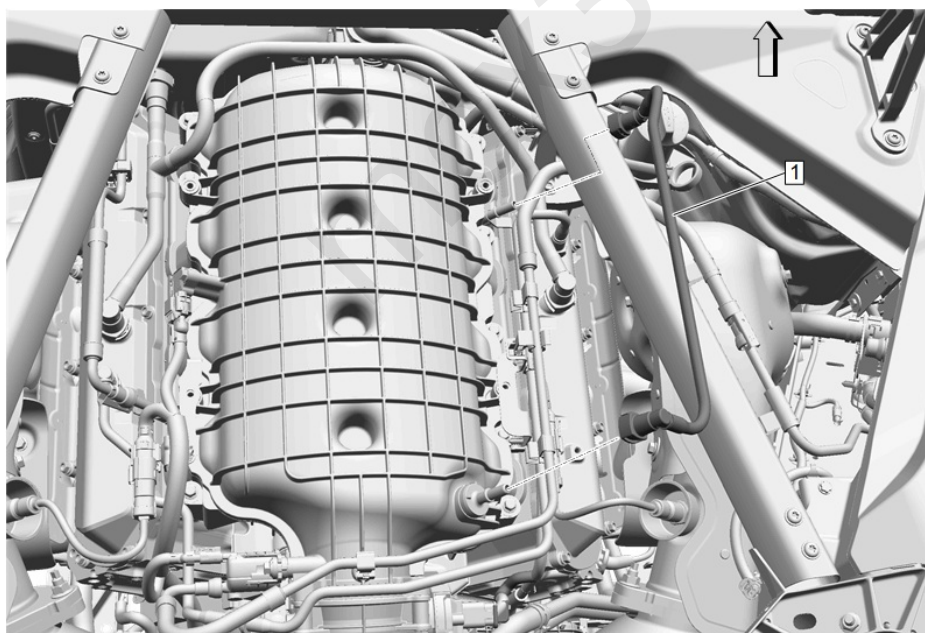


5. [Click here for full size](#)
6. Intake Manifold Cover (3>) >> Remove - Intake Manifold Cover Replacement



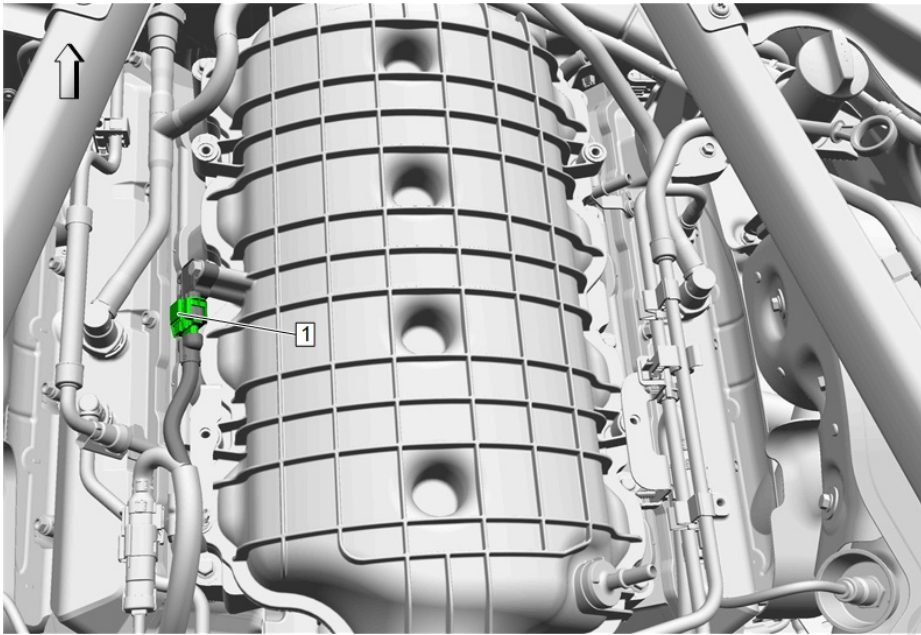
7.
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8. Positive Crankcase Ventilation Tube (1>) >> Remove - Positive Crankcase Ventilation Fresh Air Tube Replacement



9.
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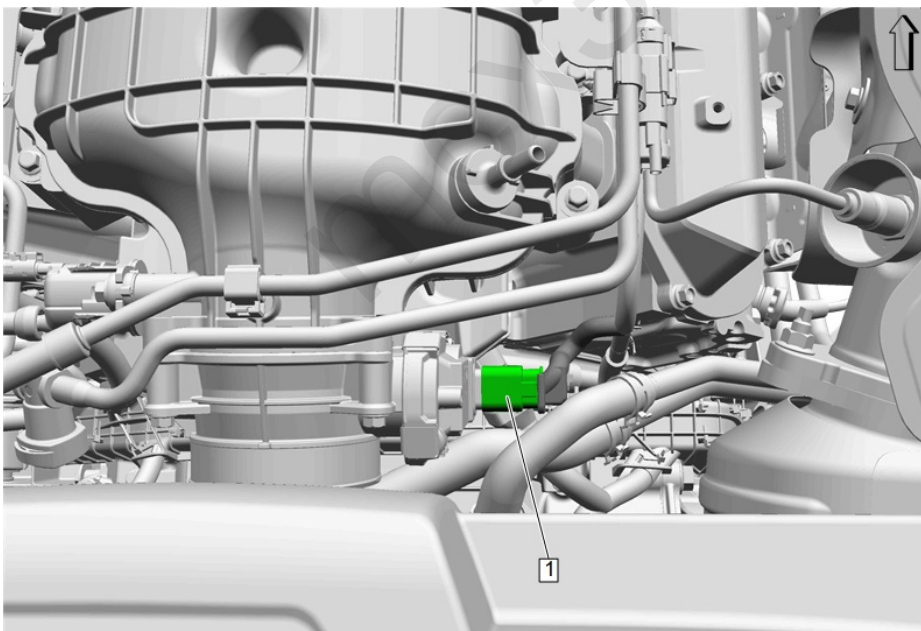
10. Positive Crankcase Ventilation Tube with Positive Crankcase Ventilation Valve - Foul Air (1>) >> Remove - Positive Crankcase Ventilation Foul Air Tube Replacement - Intake Manifold to Foul Air Tube



11.

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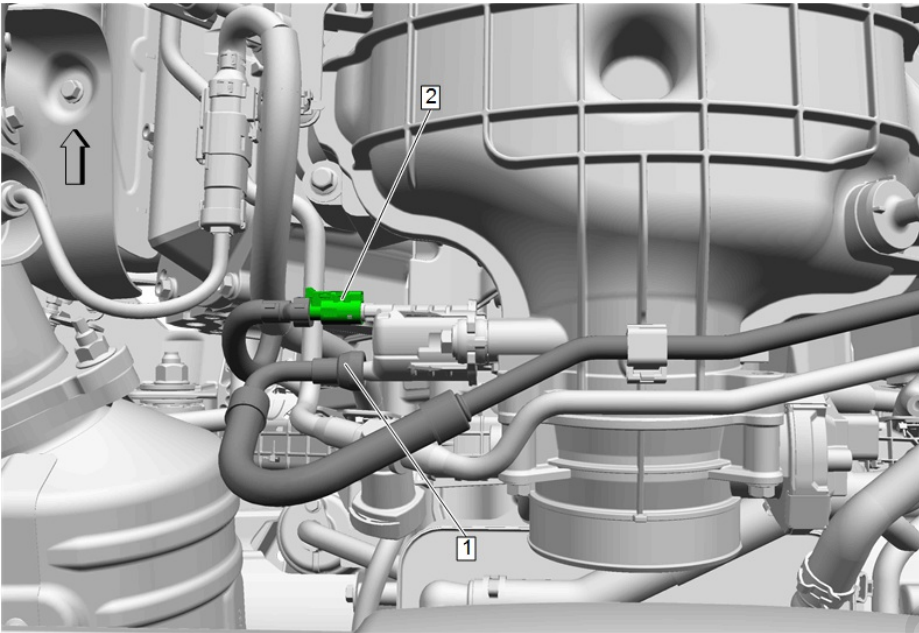
12. Electrical Connector (1>) @ Manifold Absolute Pressure Sensor >> Disconnect



13.

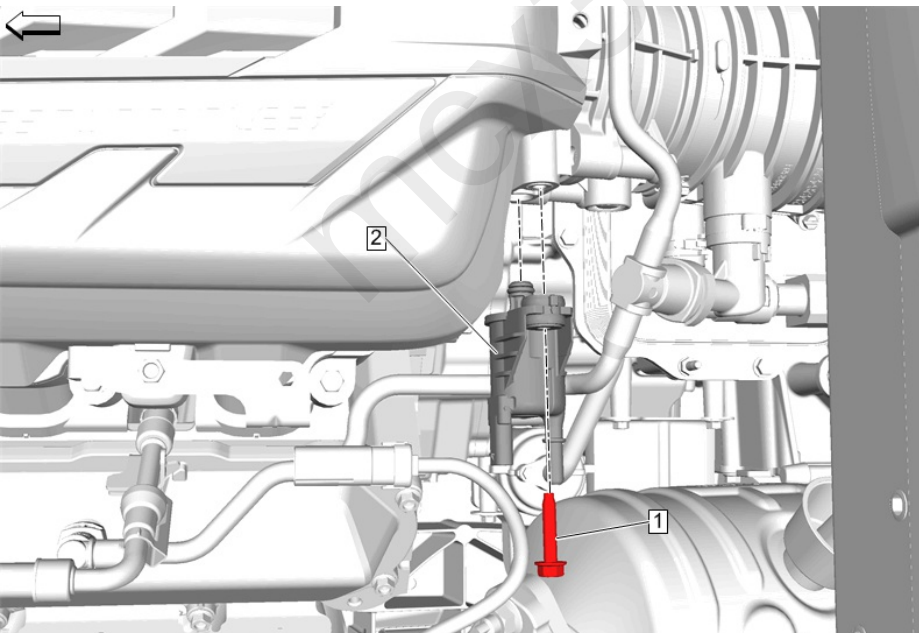
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14. Electrical Connector (1>) @ Throttle Body >> Disconnect



15.
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16. Electrical Connector (2>) @ Evaporative Emission Canister Purge Solenoid Valve >> Disconnect

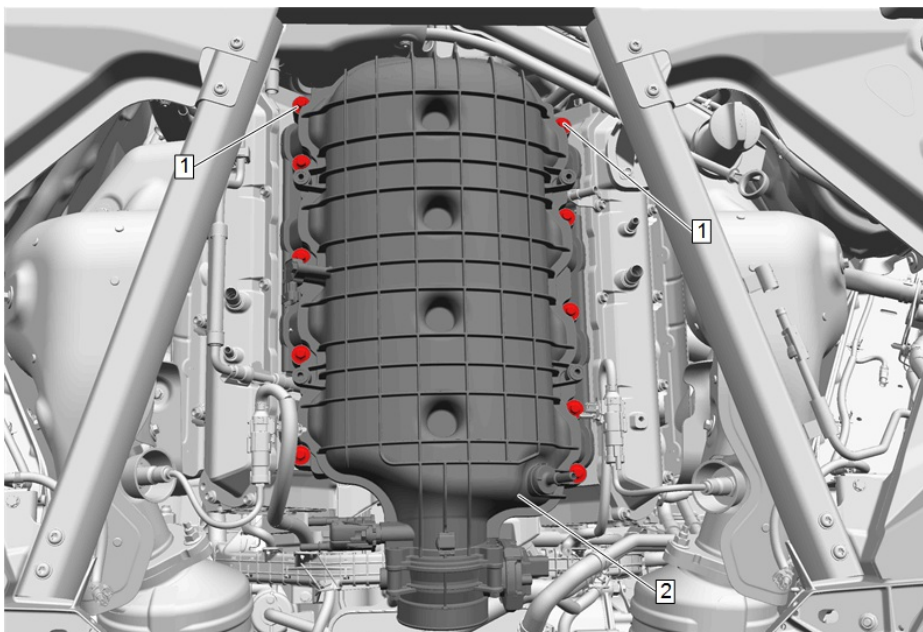


17.
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18. Note:

The evaporative emission canister purge front pipe will stay with the valve.

19. Evaporative Emission Canister Purge Solenoid Valve (2>) >> Remove - Evaporative Emission Canister Purge Solenoid Valve Replacement



20.
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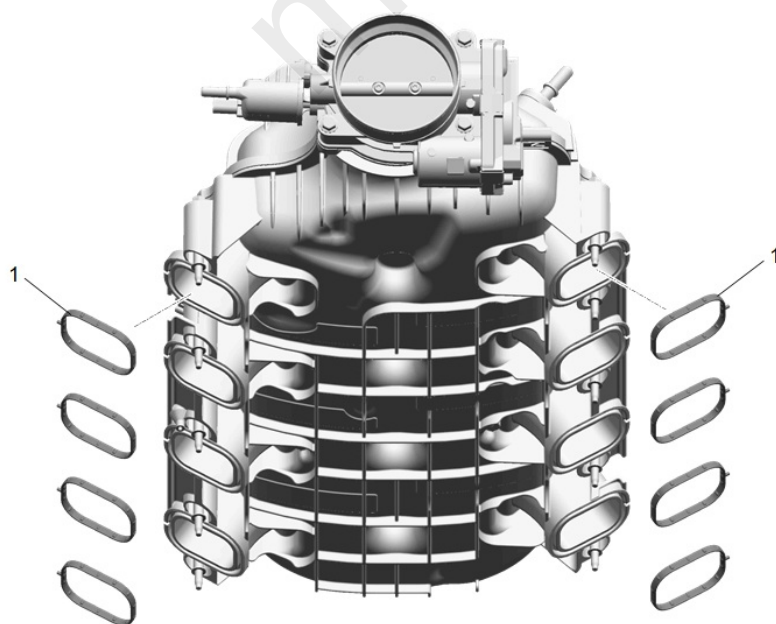
21. Note:

Bolts can stay with the intake manifold.

22. Intake Manifold Bolt (1>) >> Loosen [10x]

23. Intake Manifold (2>) >> Remove

24. Cover the cylinder head passages to prevent dirt or debris from entering the passages.



25.

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26. Intake Manifold Gasket (1>) >> Remove and DISCARD [8>x]

Cleaning Procedure

1. Remove components as necessary.
2. Clean the intake manifold in solvent.
3. Warning:

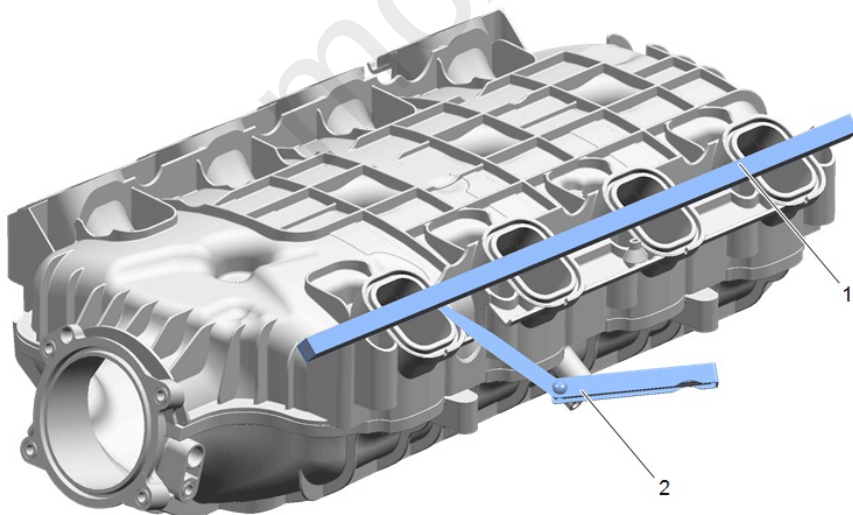
Refer to Safety Glasses and Compressed Air Warning.

4. Dry the intake manifold with compressed air.

Inspection Procedure

Other List:graphic

1. Inspect the manifold for the following conditions:
2.
 - Damaged or broken PCV fittings (1).
 - Inspect the throttle body bolt location for cracks or other damage (2).
 - Inspect the throttle body seal location for cracks or other damage (3).
 - Inspect the EVAP location for cracks or other damage (4).
 - Damaged gasket or sealing surfaces (5).
 - Loose threaded inserts or studs (6).
 - Inspect the MAP sensor location for cracks or other damage (7).



3.

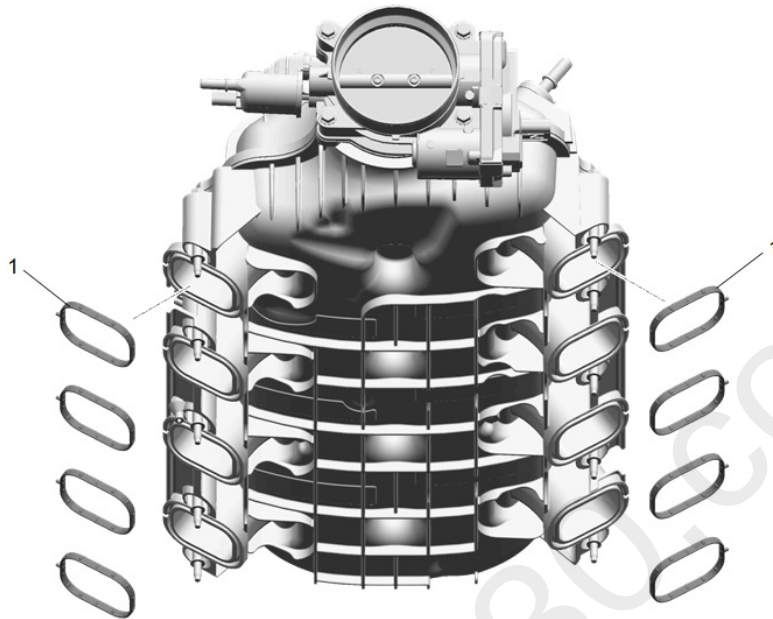
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4. Inspect the intake manifold cylinder head deck for warpage.

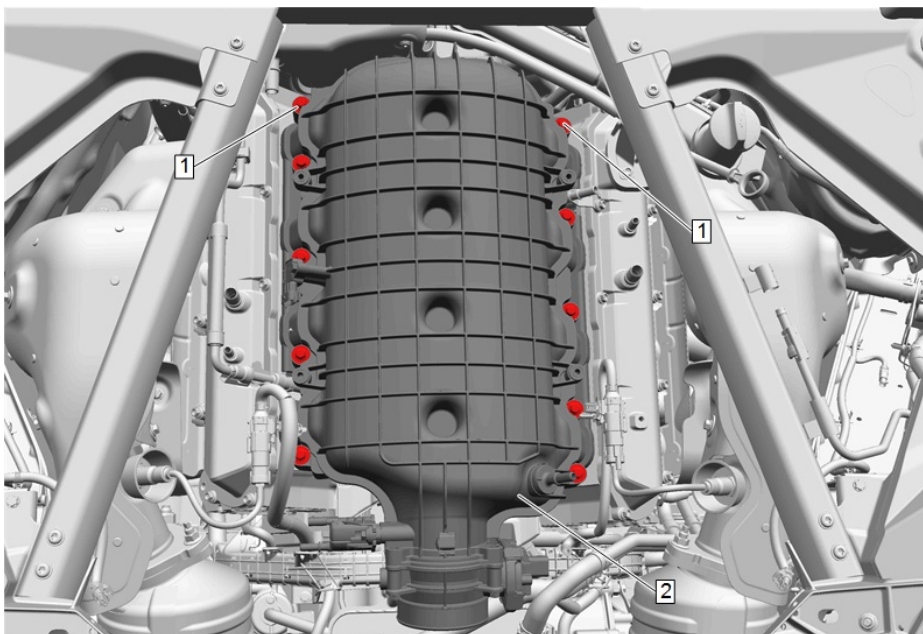
5.

1. Locate a straight edge (1) across the intake manifold cylinder head deck surface.
2. Position the straight edge (1) across a minimum of two runner port openings.
3. Insert a feeler gauge (2) between the intake manifold and the straight edge (1).
4. An intake manifold with warpage in excess of 3 mm (0.118 in) over a 200 mm (7.87 in) area is warped and should be replaced.

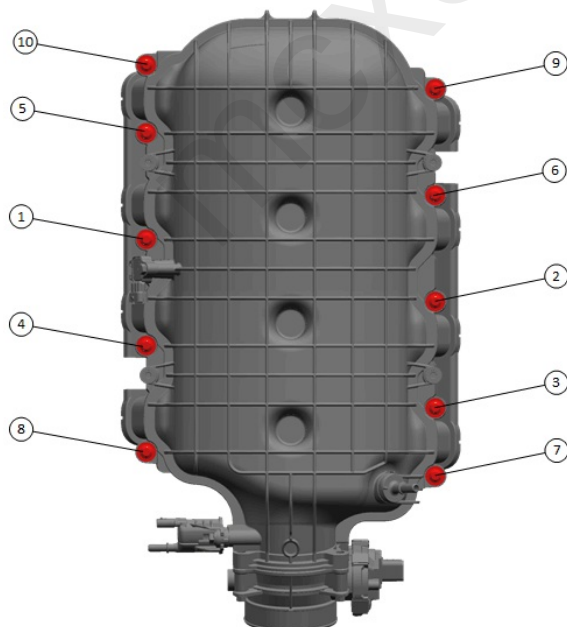
Installation Procedure



1. [Click here for full size](#)
2. Intake Manifold Gasket (1>) >> Install NEW [8>x]
3. Apply a 5 mm (0.20 in) band of threadlock to the threads of the intake manifold bolts. Adhesives, Fluids, Lubricants, and Sealers.



4. [Click here for full size](#)
5. Intake Manifold (2>) >> Install
6. Intake Manifold Bolt (1>) >> Install and hand tighten [10x]

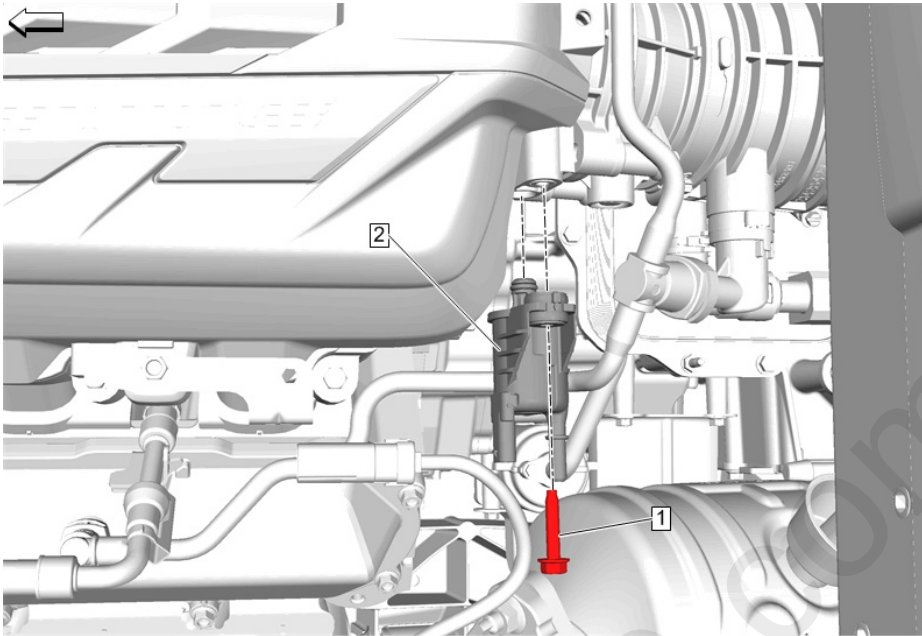


7. [Click here for full size](#)
8. Caution:
Refer to Fastener Caution.

9. Intake Manifold Bolt (1>) >> Tighten in sequence [10x]

10.

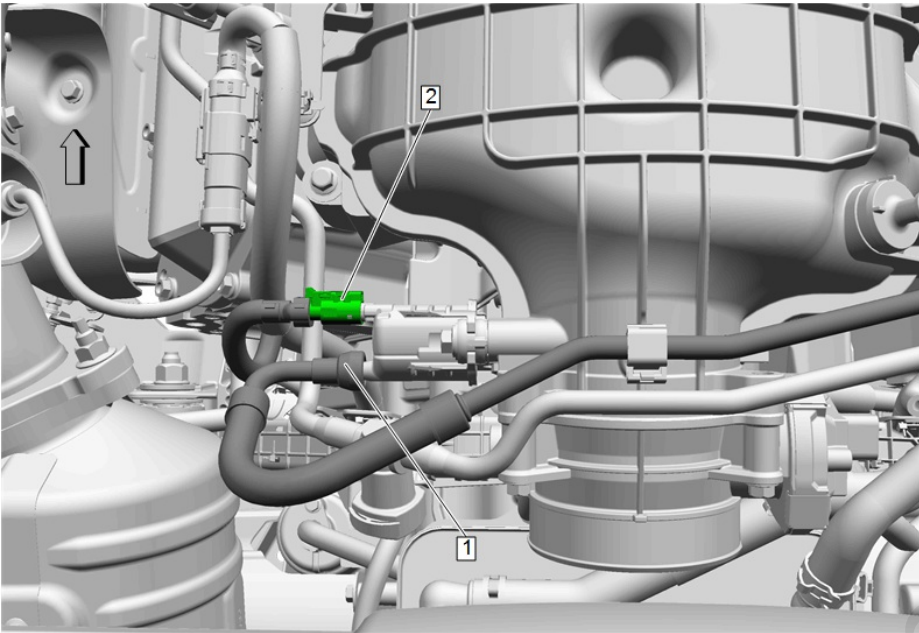
- First Pass: 5 N-m (44 lb in)
- Final Pass: 10 N-m (89 lb in)



11.

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12. Evaporative Emission Canister Purge Solenoid Valve (2>) >> Install - Evaporative Emission Canister Purge Solenoid Valve Replacement

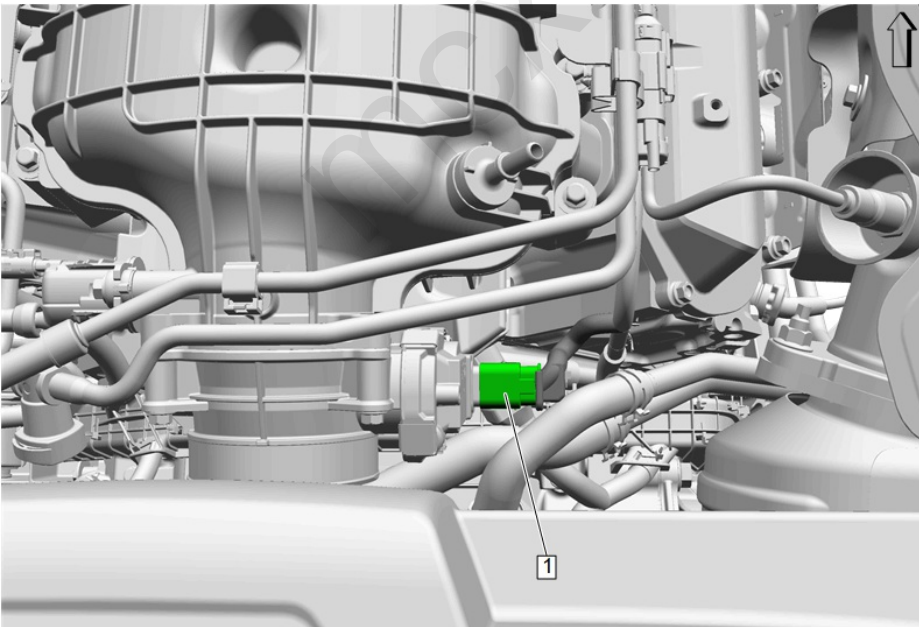


13.

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14. Electrical Connector (2>) @ Evaporative Emission Canister Purge Solenoid Valve >> Connect

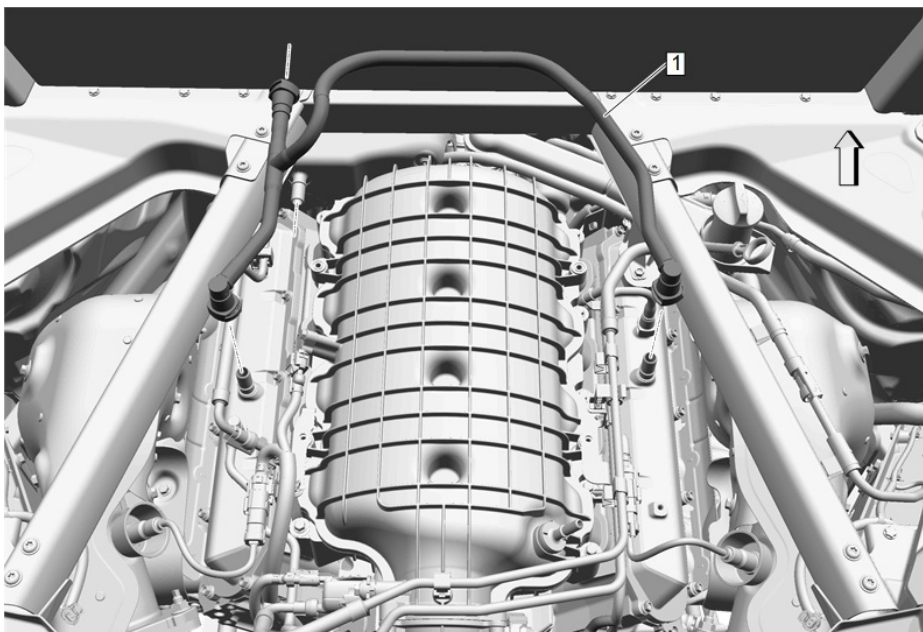
15. Connect the EVAP canister purge tube (1) quick connect fitting to the EVAP canister purge solenoid valve.



16.

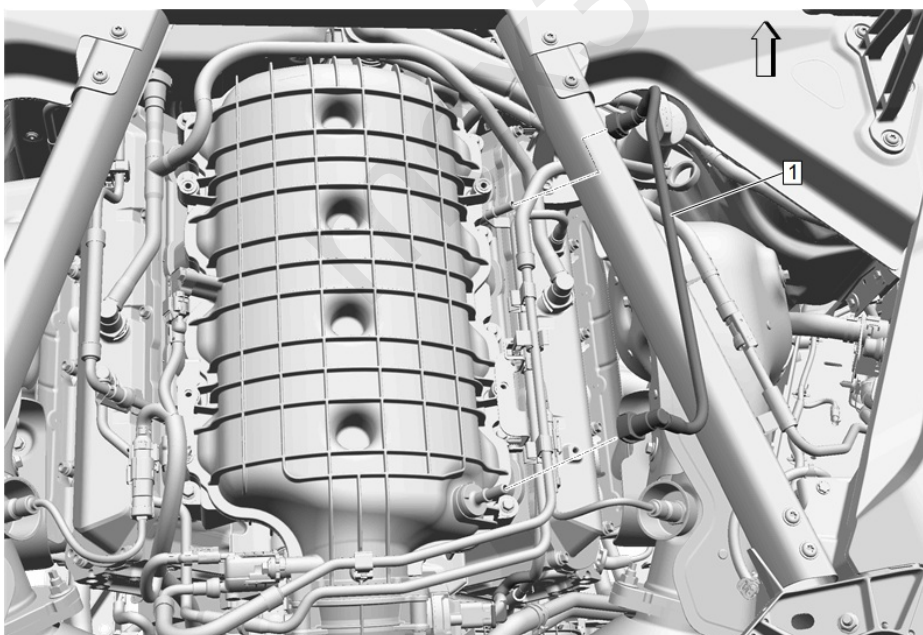
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17. Electrical Connector (1>) @ Throttle Body >> Connect



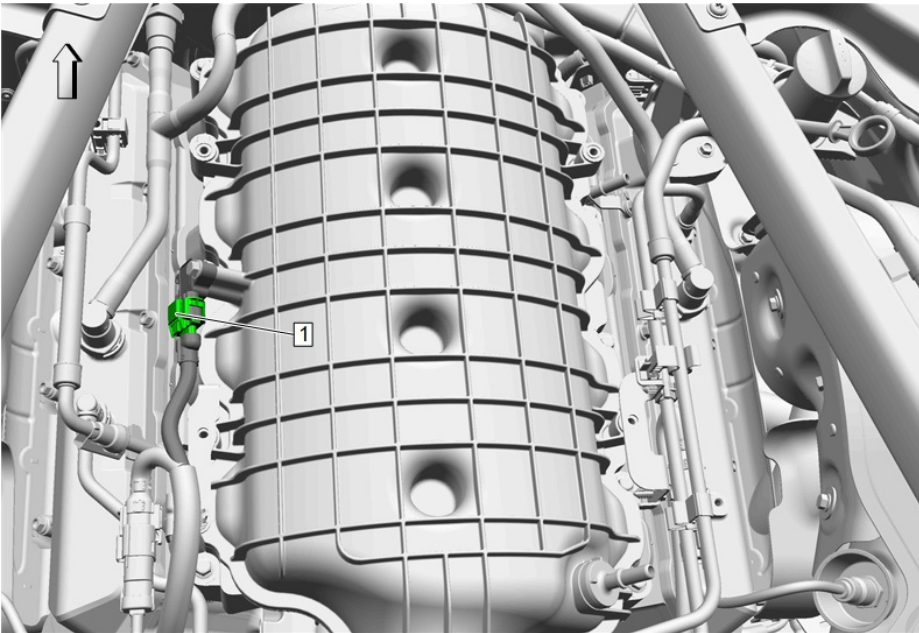
18.
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19. Positive Crankcase Ventilation Tube (1>) >> Install - Positive Crankcase Ventilation Fresh Air Tube Replacement



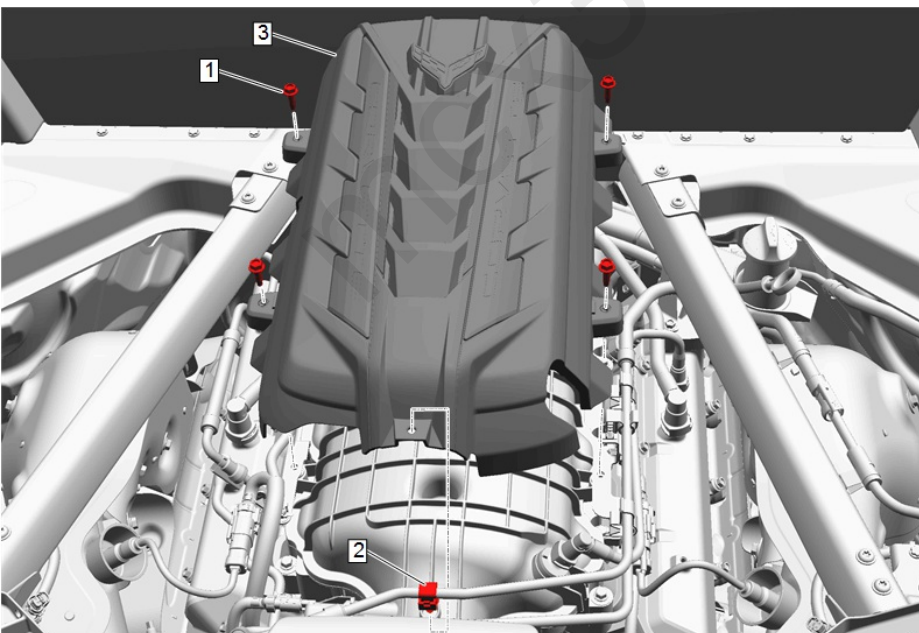
20.
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21. Positive Crankcase Ventilation Tube with Positive Crankcase Ventilation Valve - Foul Air (1>) >> Install - Positive Crankcase Ventilation Foul Air Tube Replacement - Intake Manifold to Foul Air Tube



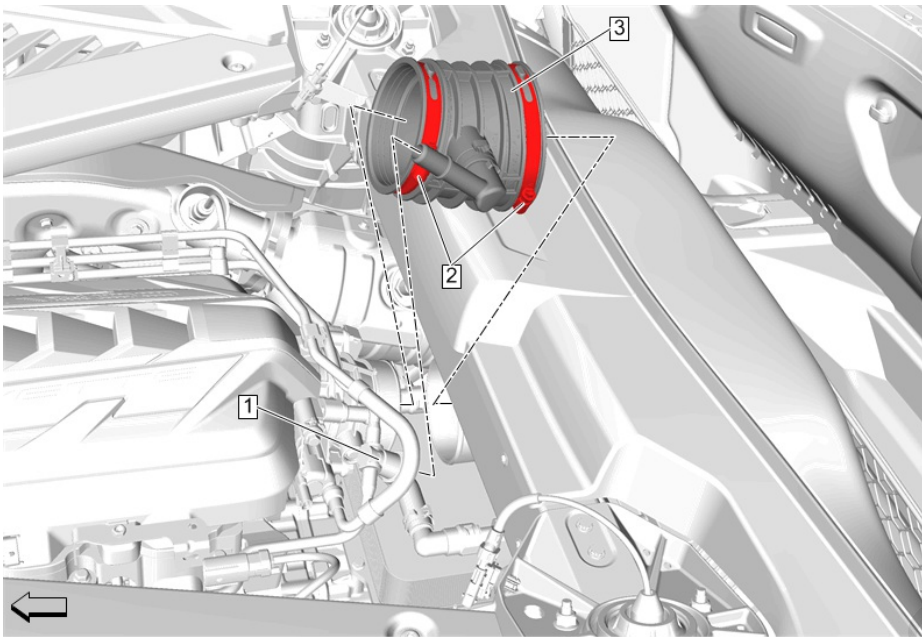
22.
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23. Electrical Connector (1) @ Manifold Absolute Pressure Sensor >> Connect



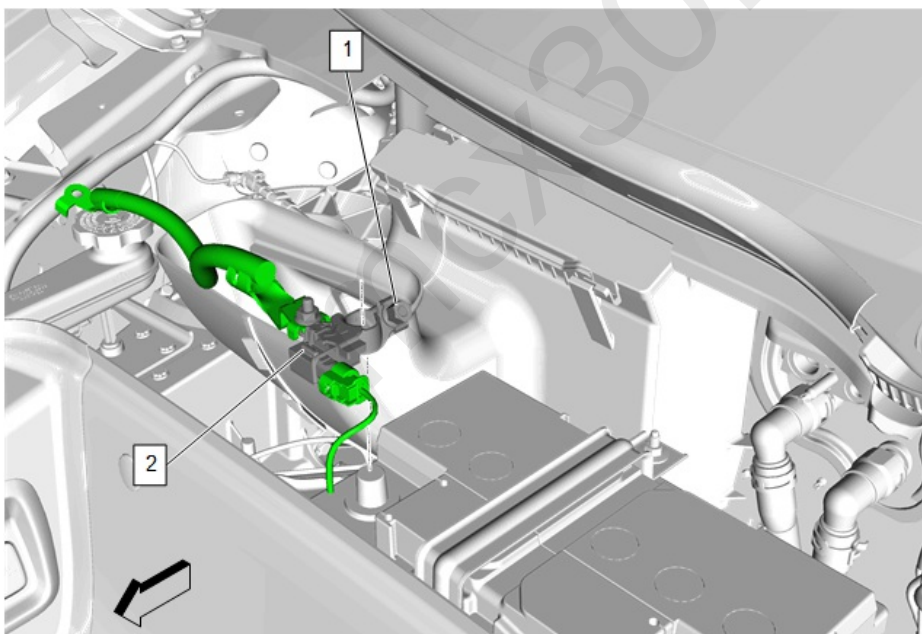
24.
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25. Intake Manifold Cover (3>) >> Install - Intake Manifold Cover Replacement



26.
[Click here for full size](#)

27. Air Cleaner Outlet Duct Install >> Install - Air Cleaner Outlet Duct Replacement



28.
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29. Battery Monitor Module (2>) >> Connect - Battery Negative Cable Disconnection and Connection