

2022 CHEVROLET CORVETTE SERVICE MANUAL

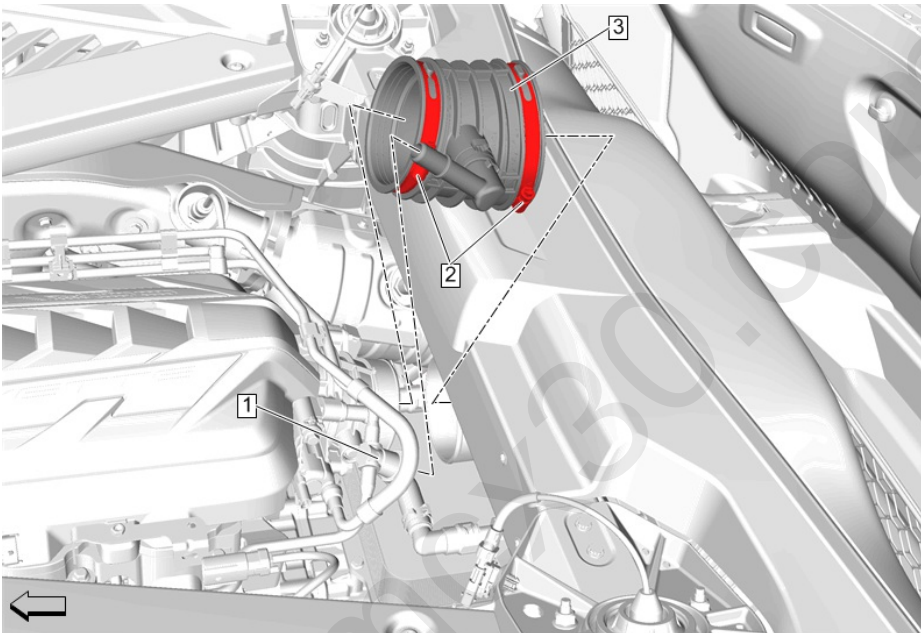
- [SEARCH](#)

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

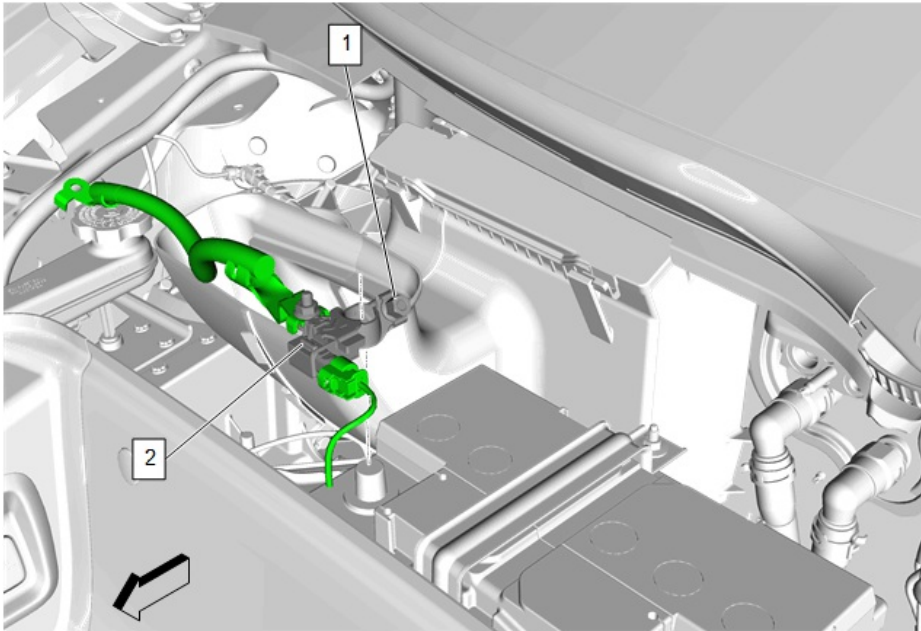
Intake Manifold Replacement (Convertible)

Removal Procedure

1. [Click here for full size](#)
2. [Rear Window Panel \(2>\) >>> Remove - Rear Window Panel Replacement](#)

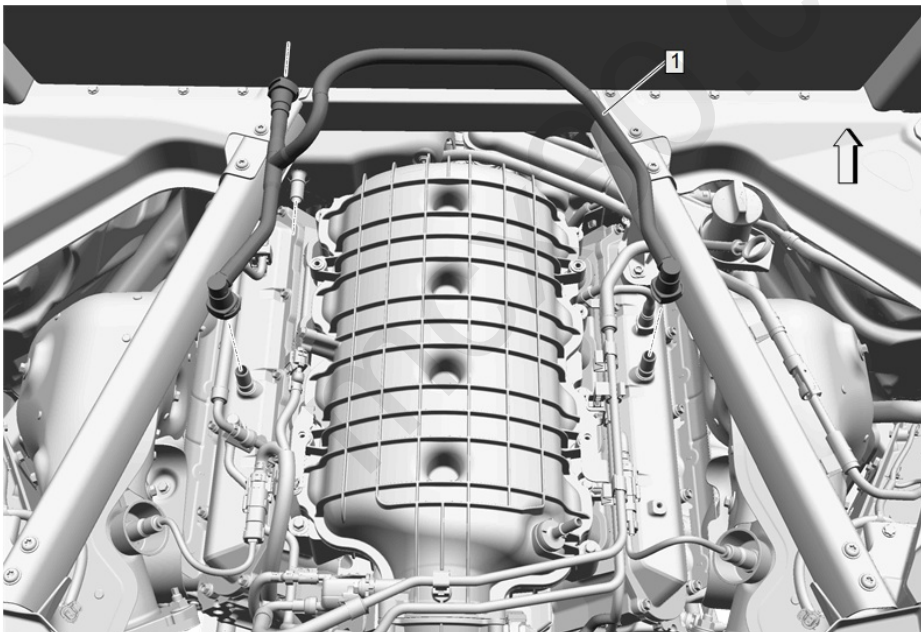


3. [Click here for full size](#)
4. [Air Cleaner Outlet Duct \(3>\) >>> Remove - Air Cleaner Outlet Duct Replacement](#)



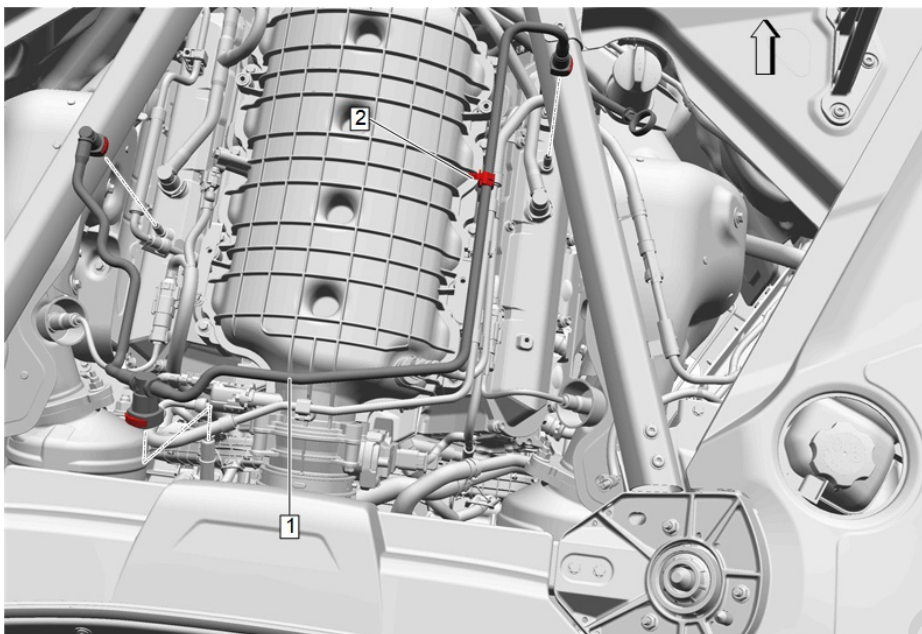
5.
[Click here for full size](#)

6. Battery Monitor Module (2>) >> Disconnect - Battery Negative Cable Disconnection and Connection



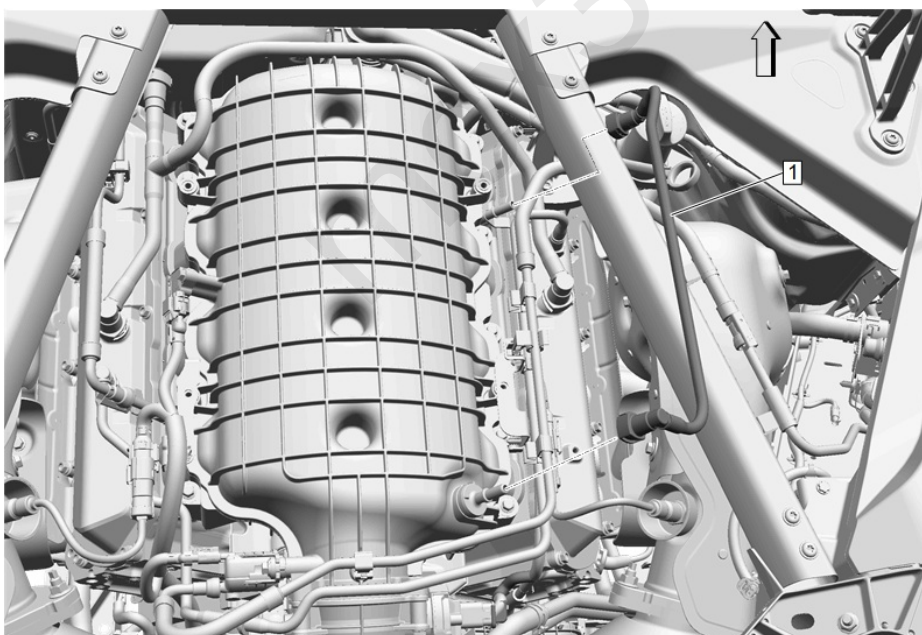
7.
[Click here for full size](#)

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



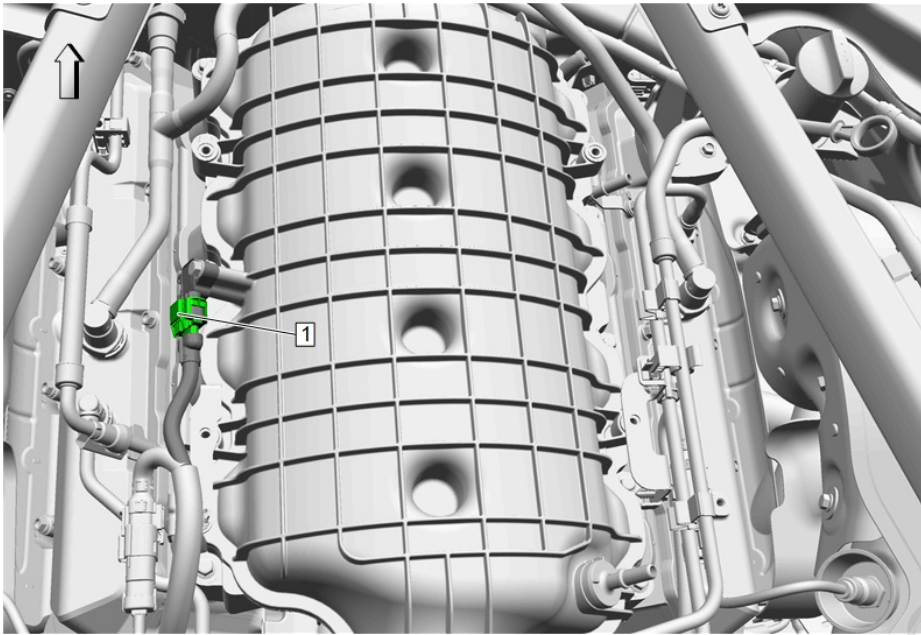
9.
[Click here for full size](#)

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



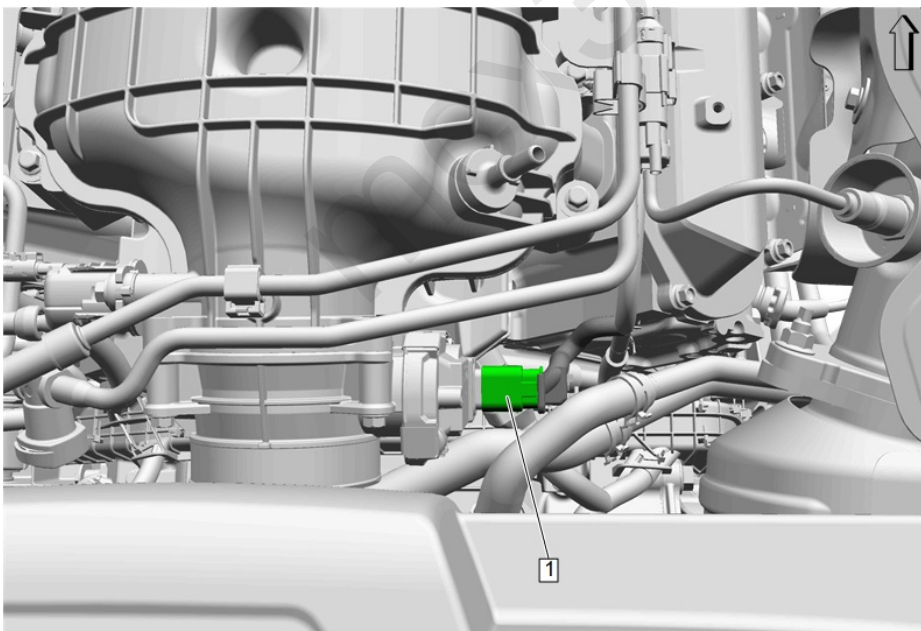
11.
[Click here for full size](#)

12. Positive Crankcase Ventilation Tube (1>) >> Remove - Positive Crankcase Ventilation Foul Air Tube Replacement - Intake Manifold to Foul Air Tube



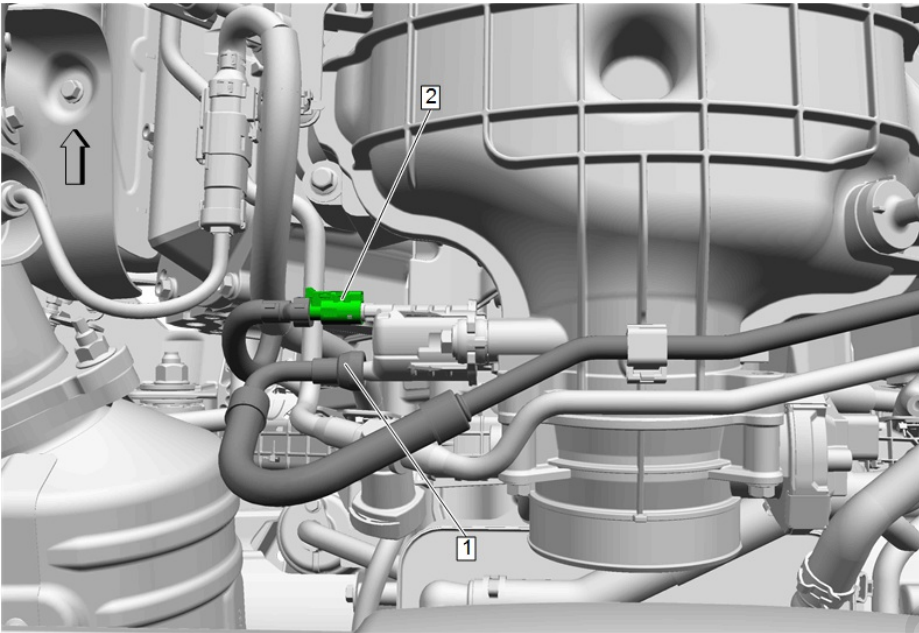
13.
[Click here for full size](#)

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

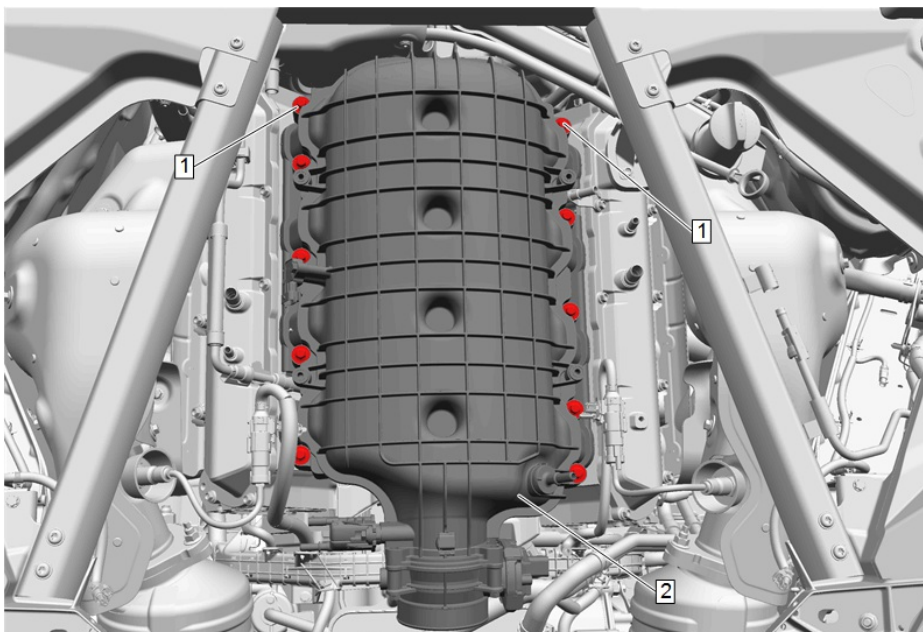


15.
[Click here for full size](#)

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



17. [Click here for full size](#)
18. Electrical Connector (2>) @ Evaporative Emission Canister Purge Solenoid Valve >> Disconnect
19. [Click here for full size](#)
20. Note:
The evaporative emission canister purge front pipe will stay with the valve.
21. Evaporative Emission Canister Purge Solenoid Valve @ Intake Manifold (2>) >> Remove - Evaporative Emission Canister Purge Solenoid Valve Replacement
22. [Click here for full size](#)
23. Engine Wiring Harness Bracket Bolt (1>) >> Remove [2x]
24. Engine Wiring Harness Bracket (2>) >> Reposition away [2x]



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

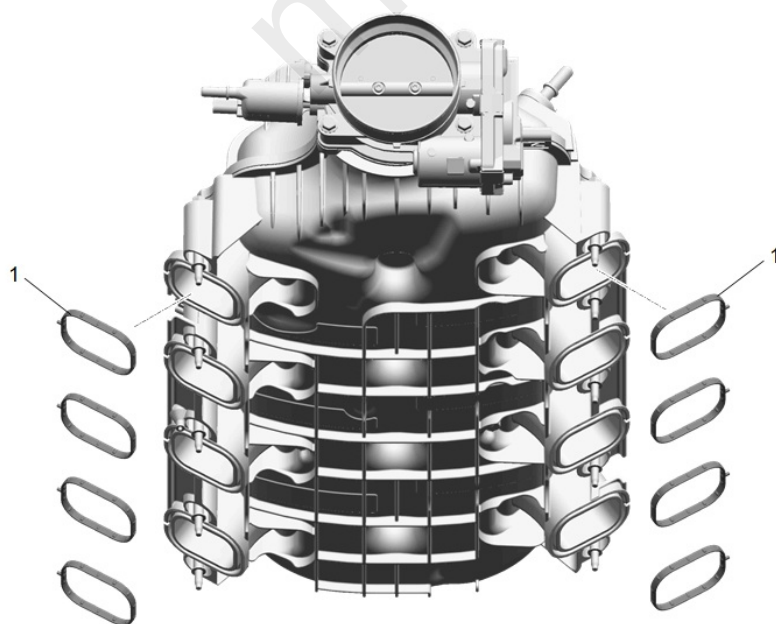
26. Note:

Bolts can stay with the intake manifold.

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

28. Intake Manifold (2>) >> Remove

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



30.

[Click here for full size](#)

31. 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:

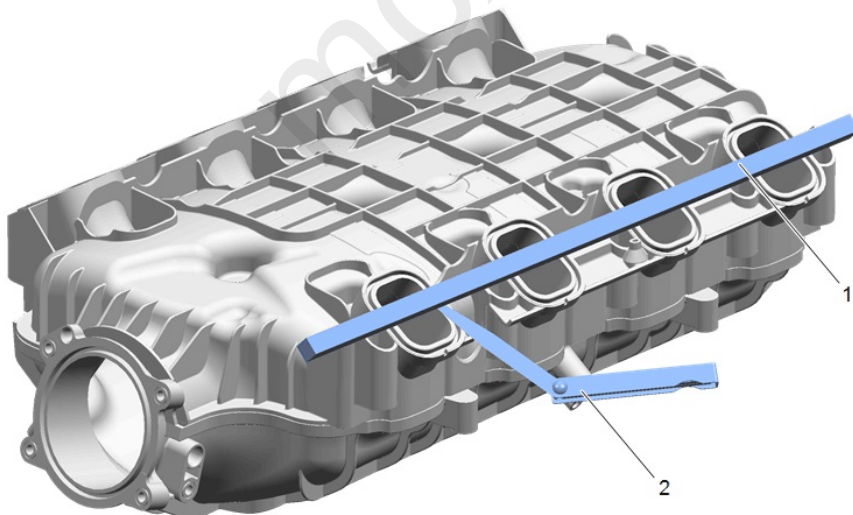
Refer to Safety Glasses and Compressed Air Warning.

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.

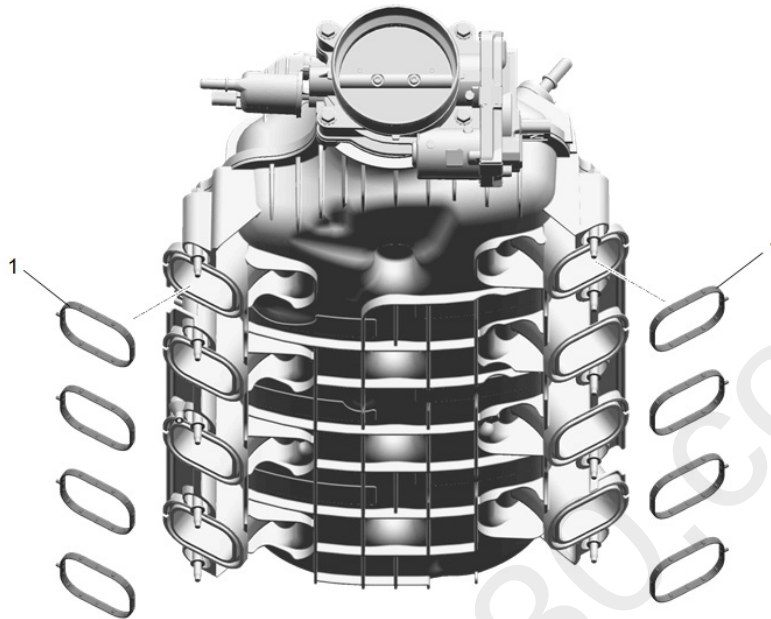
[Click here for full size](#)

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

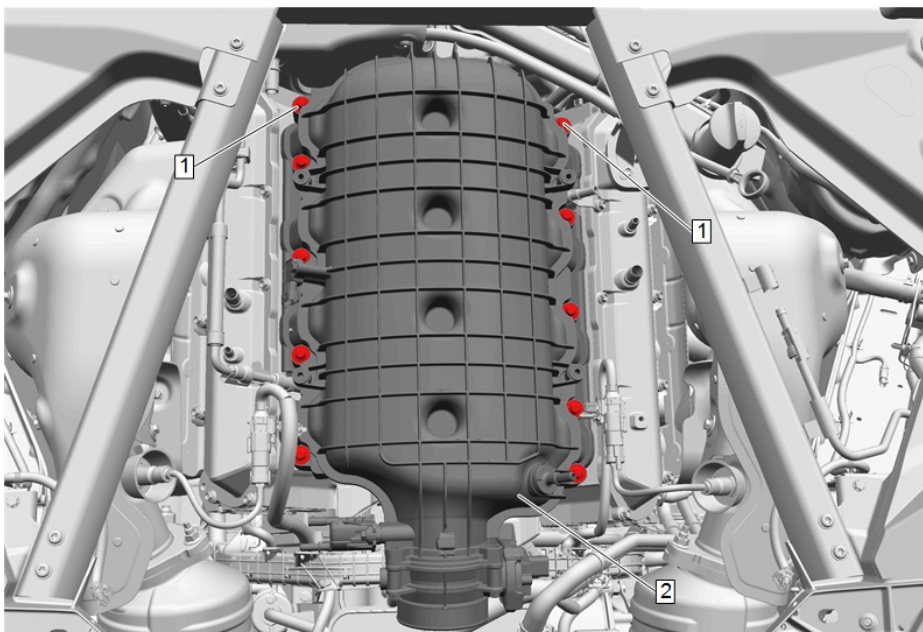
5.

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.

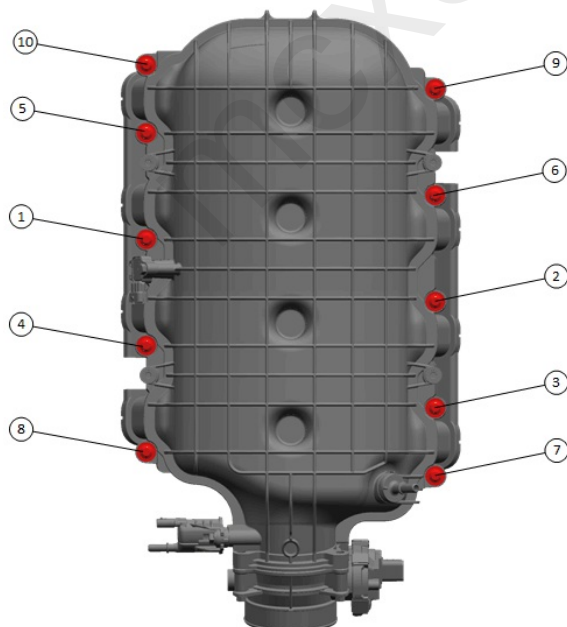
Installation Procedure



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.

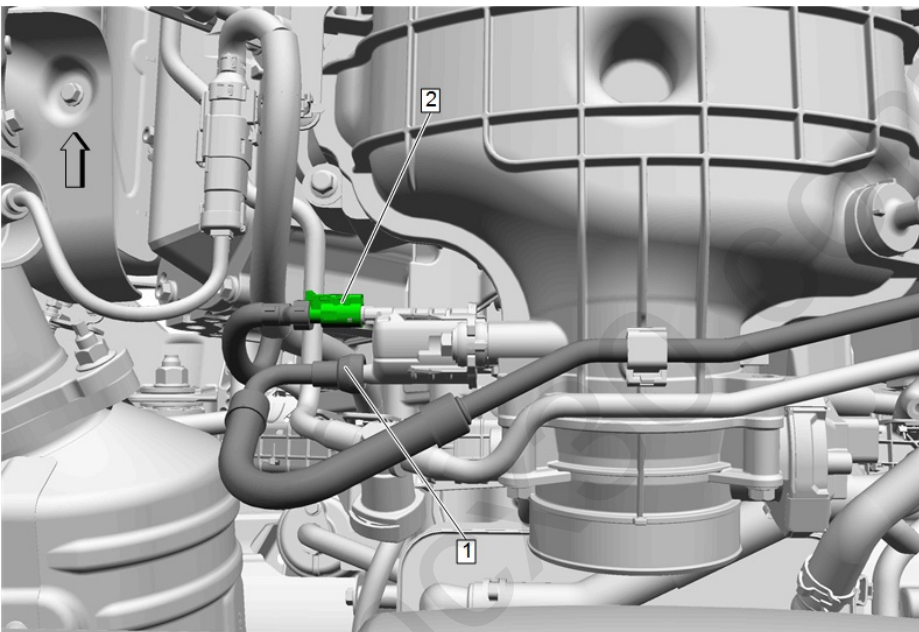


4. [Click here for full size](#)
5. Intake Manifold (2>) >> Install
6. Intake Manifold Bolt (1>) >> Install and hand tighten [10x]

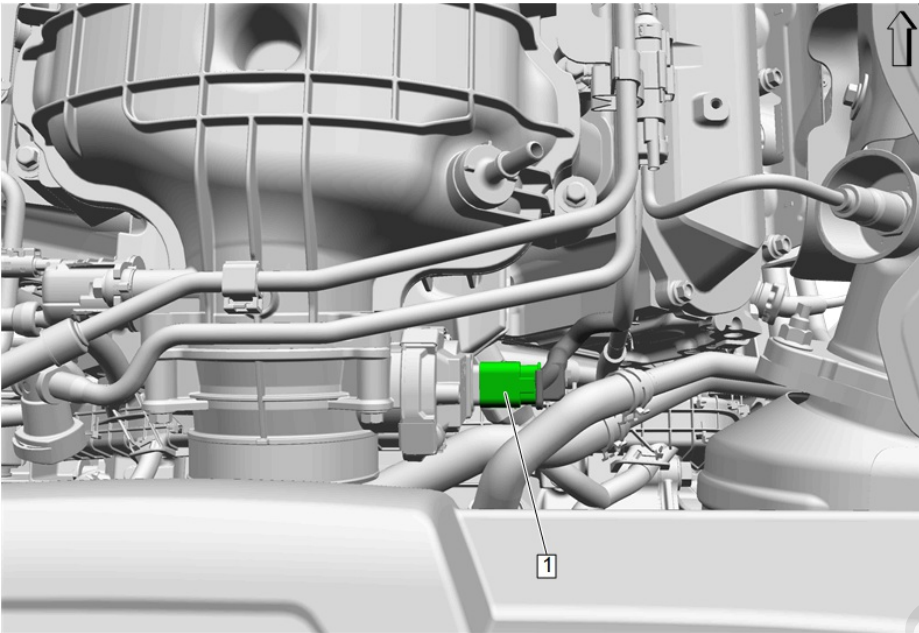


7. [Click here for full size](#)
8. Caution:
Refer to Fastener Caution.

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. [Click here for full size](#)
12. Engine Wiring Harness Bracket (2>) >> Reposition [2x]
13. Engine Wiring Harness Bracket Bolt (1>) >> Install and tighten [2x] 9 N-m (80 lb in)
14. [Click here for full size](#)
15. Evaporative Emission Canister Purge Solenoid Valve @ Intake Manifold (2>) >> Install - Evaporative Emission Canister Purge Solenoid Valve Replacement

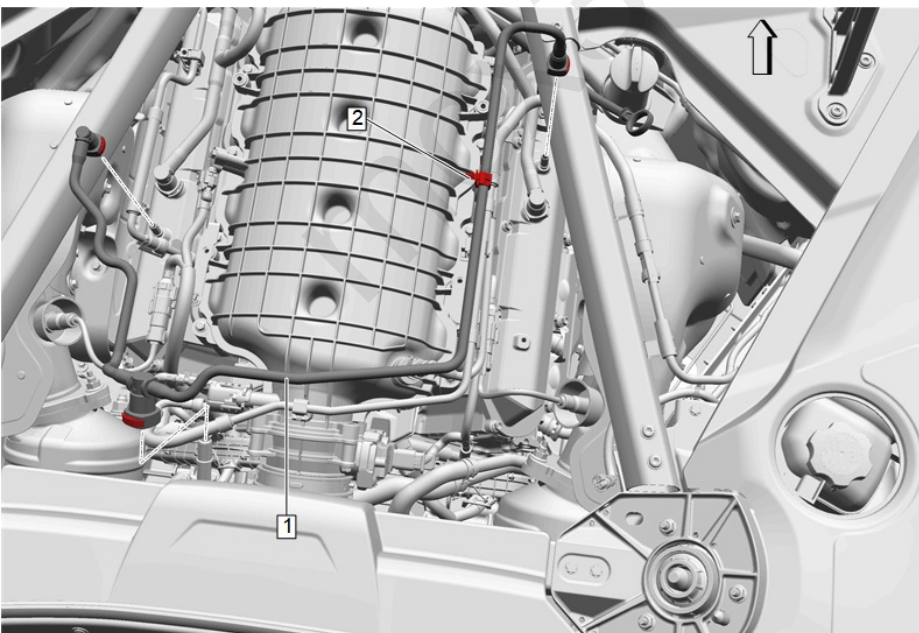


16. [Click here for full size](#)
17. Electrical Connector (2>) @ Evaporative Emission Canister Purge Solenoid Valve >> Connect



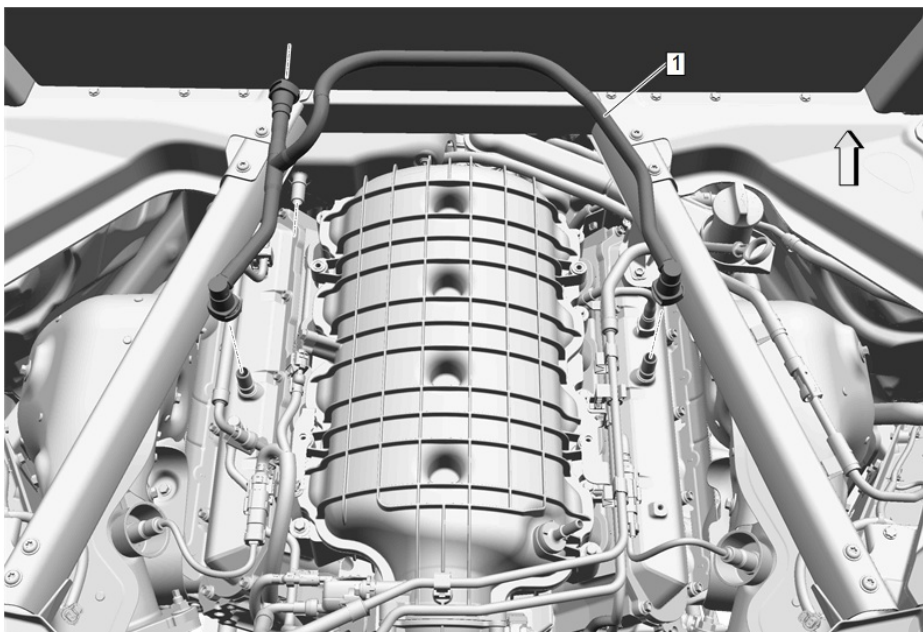
18.
[Click here for full size](#)

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



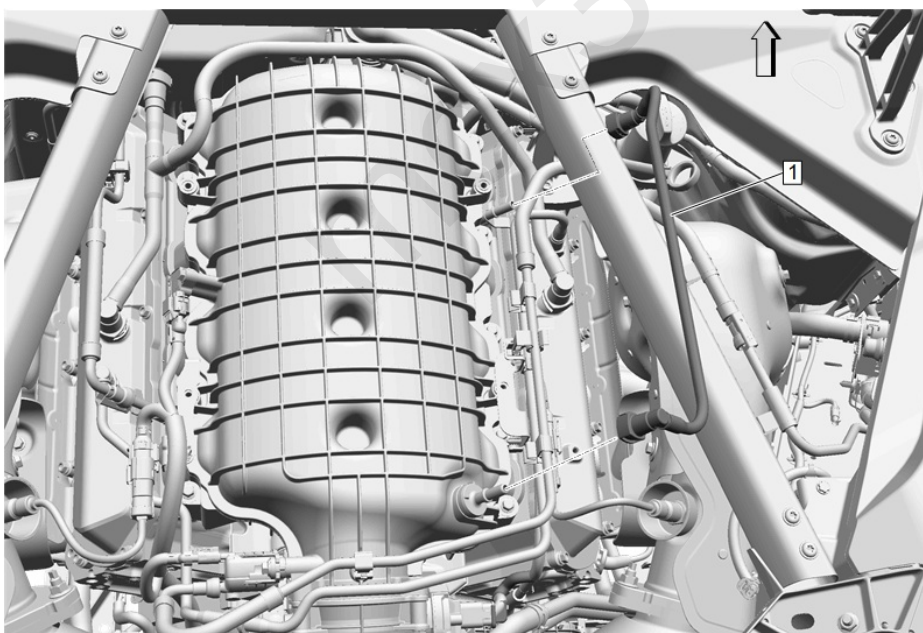
20.
[Click here for full size](#)

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



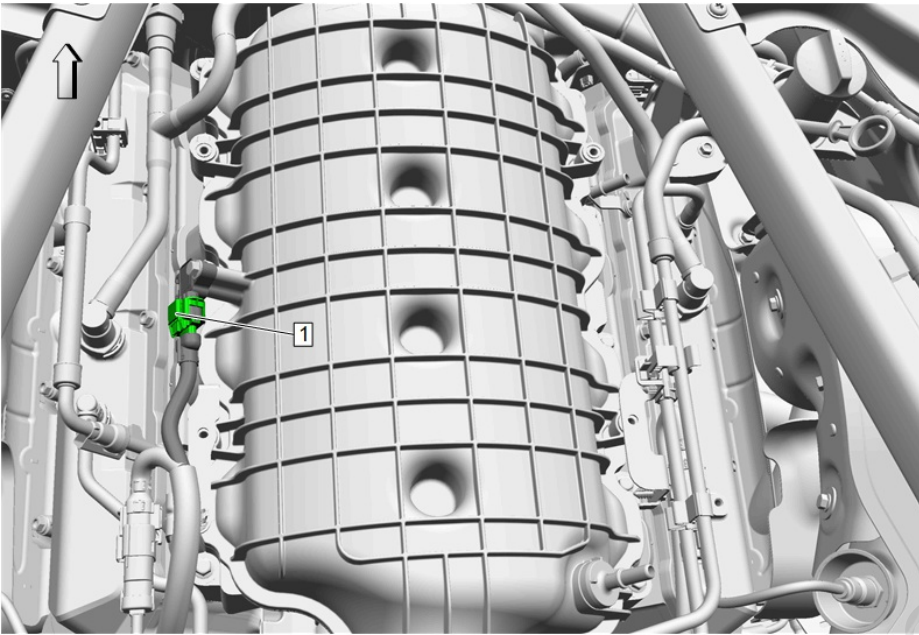
22.
[Click here for full size](#)

23. Positive Crankcase Ventilation Tube (1>) >> Install - Positive Crankcase Ventilation Tube Replacement - Recirculating Air



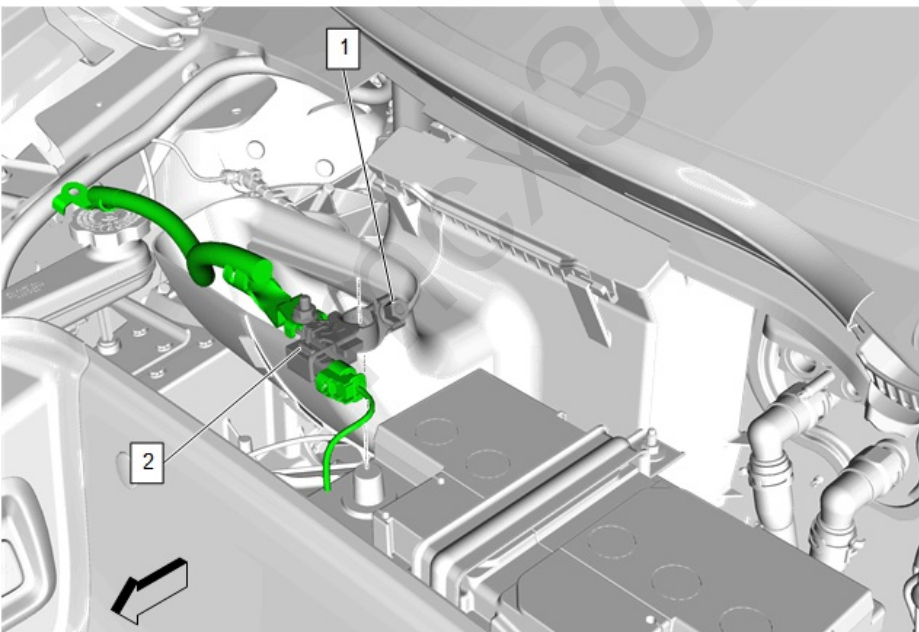
24.
[Click here for full size](#)

25. Positive Crankcase Ventilation Tube (1>) >> Install - Positive Crankcase Ventilation Foul Air Tube Replacement - Intake Manifold to Foul Air Tube



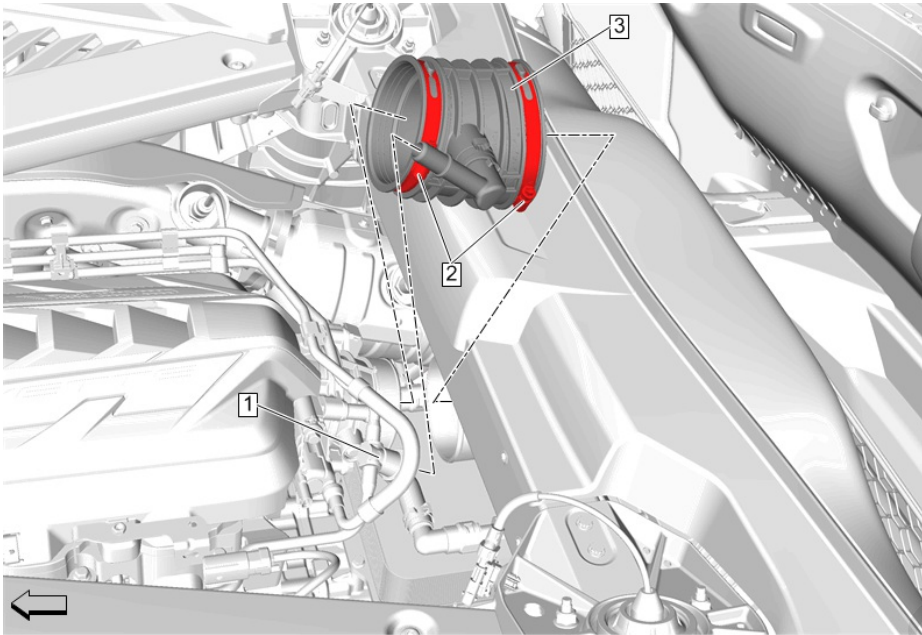
26.
[Click here for full size](#)

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



28.
[Click here for full size](#)

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



30.

[Click here for full size](#)

31. [Air Cleaner Outlet Duct Install >> Install - Air Cleaner Outlet Duct Replacement](#)

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

33. [Rear Window Panel \(2>\) >> Install - Rear Window Panel Replacement](#)