

Document ID: 5023353

Air Cleaner Kit Installation

Table 1: [Kit Contents](#)**Table 2:** [Vehicle Emissions Control Information \(VECI\) Label Application](#)**Installation Instructions Part Number**

84789796

Kit Contents

Qty	Description
1	Air Cleaner Assembly
1	Air Cleaner Lid
1	Air Filter Element
1	Air Cleaner Outlet Duct
1	Installation Instructions
Hardware Kit	
1	Throttle Body Clamp- Size #64
1	Filter Clamp- Size #72
1	Outlet Duct Clamp- Size #72
4	Air Cleaner Lid Screws, Self-Tapping
6	Fir Tree Clip, Tie Strap
1	Vehicle Emissions Control Information (VECI) Label – Required for Federal Emission Standards

Recommended Tools Needed

10mm, 15mm Socket or Wrench

T15, T25 Torx Screwdriver

5/16" Socket or Flathead Screwdriver

Trim Remover Tool

Required Supplies (not included in kit)

Note: Optional Supplies: When a lubricant is required as an assembly aid for installation of air induction system components, then only use the recommended part numbers. Use sparingly as required.

Deionized water (GM P/N 15708574) (OR) 0.5% soap & water (GM P/N 9985406) - Also known as Duponol or FCR-400.

Thank you for choosing Chevrolet Performance as your high performance source. Chevrolet Performance is committed to providing proven, innovative performance technology that is truly.... more than just power. Chevrolet Performance parts are engineered, developed and tested to exceed your expectations for fit and function. Please refer to our catalog for the Chevrolet Performance Authorized Center nearest you or visit our website at www.chevroletperformance.com.

It is not the intent of these specifications to replace the comprehensive and detailed service practices explained in the GM service manuals. For detailed installation instructions please look to the service manual for your specific vehicle.

GM service manuals are available from: Helm Incorporated PO Box 07130 Detroit, MI 48207

For information about warranty coverage, please contact your local Chevrolet Performance parts dealer.

Observe all safety precautions and warnings in the service manuals when installing this kit in any vehicle. Wear eye protection and appropriate protective clothing. Support the vehicle securely with jack stands when working under or around it. Use only the proper tools. Exercise extreme caution when working with flammable, corrosive, and hazardous liquids and materials. Some procedures require special equipment and skills. If you do not have the appropriate training, expertise, and tools to perform any part of this conversion safely, this work should be done by a professional.

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This kit includes a calibration update for the Engine Control Unit. Reprogramming is done with a Service Programming System at an Authorized GM Dealer. When reprogramming, the GM dealer needs to call the Techline Customer Support Center (TCSC). The TCSC will provide a Vehicle Configuration Index (VCI). The VCI is good for only one specific Vehicle Identification Number (VIN). Call TCSC (1-800-828-6860) to obtain a VCI number. You must have the vehicle's VIN that will be upgraded and the following Authorization Code.

Note: The cost of re-programming is included in the cost of this kit. The dealer is instructed to charge the reflash to Labor Code 0601558.

Warning: Do not use Silicone or other spray lubricants. This can lead to premature MAF and O2 sensor failures.

Warning: Approved safety glasses and gloves should be worn when performing this procedure to reduce the chance of personal injury.

Caution: Filter must be replaced if saturated with water. Only use Genuine Replacement Chevrolet Performance Air Filters.

Warning: Unless directed otherwise, the ignition must be OFF with the key removed, and all electrical loads must be OFF before servicing any electrical component. Disconnect the negative battery cable to prevent an electrical spark should a tool or equipment come in contact with an exposed electrical terminal. Failure to follow these precautions may result in personal injury and/or damage to the vehicle or its components. For Vehicles equipped with OnStar® (UE1) with Back Up Battery: The Back Up Battery is a redundant power supply to allow limited OnStar® functionality in the event of a main vehicle battery power disruption to the VCIM

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(OnStar® module). Do not disconnect the main vehicle battery or remove the OnStar® fuse with the ignition key in any position other than OFF. Retained accessory power should be allowed to time out or be disabled (simply opening the driver door should disable retained accessory power) before disconnecting power. Disconnecting power to the OnStar® module in any way while the ignition is On or with retained accessory power activated may cause activation of the OnStar® Back-Up Battery system and will discharge and permanently damage the back-up battery. Once the Back-Up Battery is activated it will stay on until it has completely discharged. The back-up battery is not rechargeable and once activated the back-up battery must be replaced.

Warning: Fuel/gasoline vapors are highly flammable. A fire could occur if an ignition source is present. Never drain or store gasoline or diesel fuel in an open container, due to the possibility of fire or explosion. Have a dry chemical (Class B) fire extinguisher nearby.

Warning: Fuel that flows out at high pressure can cause serious injury to the skin and eyes. ALWAYS depressurize the fuel system before removing components that are under high fuel pressure.

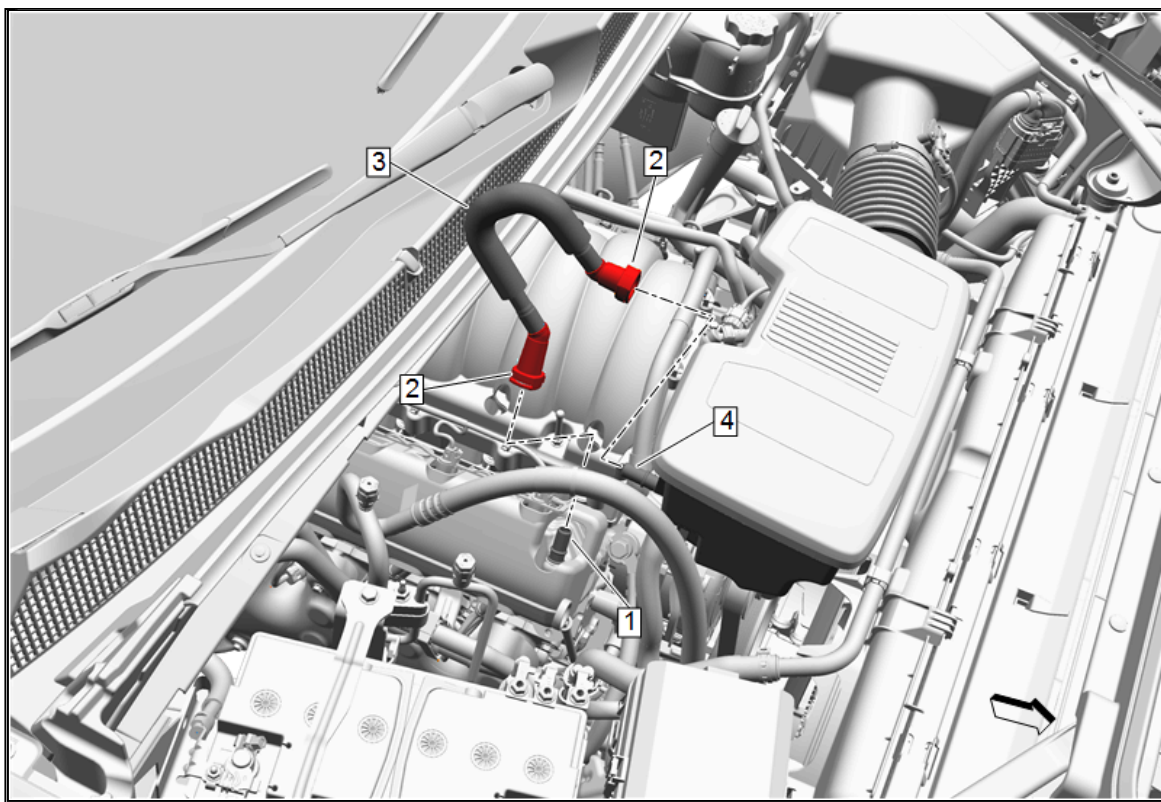
Warning: Remove the fuel tank cap and relieve the fuel system pressure before servicing the fuel system in order to reduce the risk of personal injury. After you relieve the fuel system pressure, a small amount of fuel may be released when servicing the fuel lines, the fuel injection pump, or the connections. In order to reduce the risk of personal injury, cover the fuel system components with a shop towel before disconnection. This will catch any fuel that may leak out. Place the towel in an approved container when the disconnection is complete.

Procedure

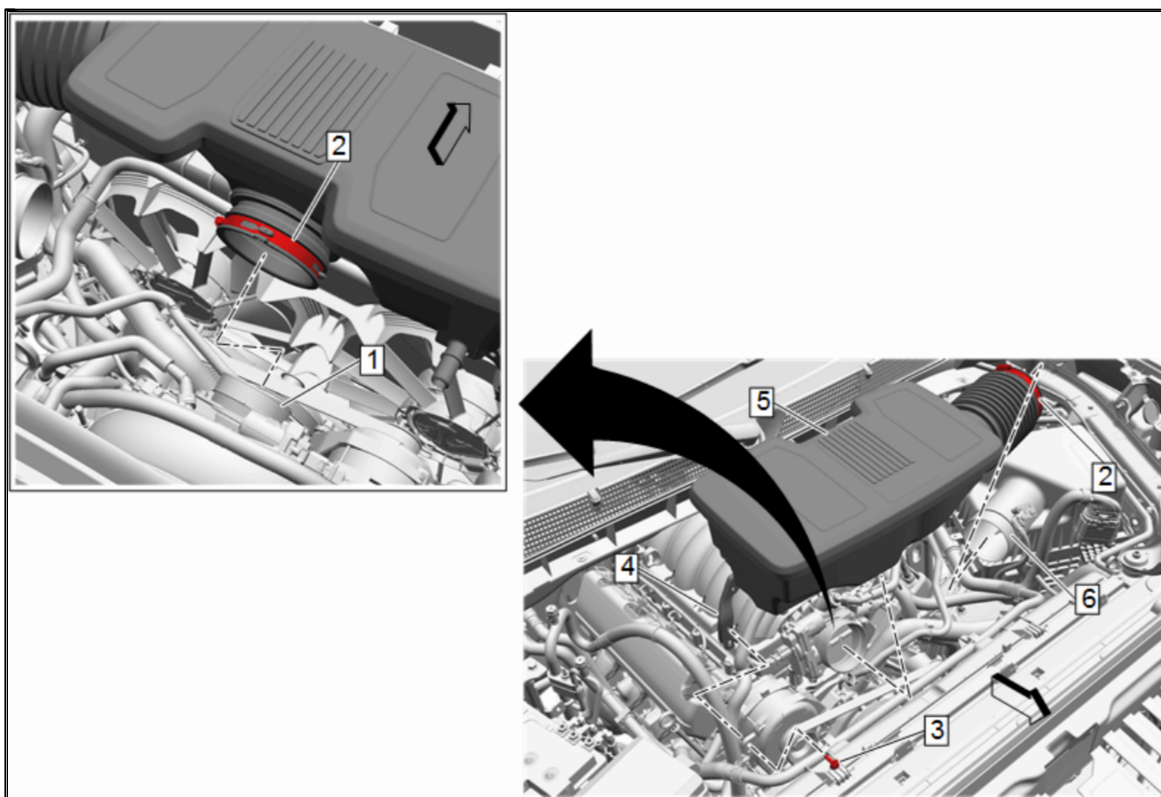
Warning: Underhood Systems can be very hot! In order to avoid being burned, do not service the vehicle while it is still hot. Service the vehicle when it is cool.

Production Air Intake System Removal

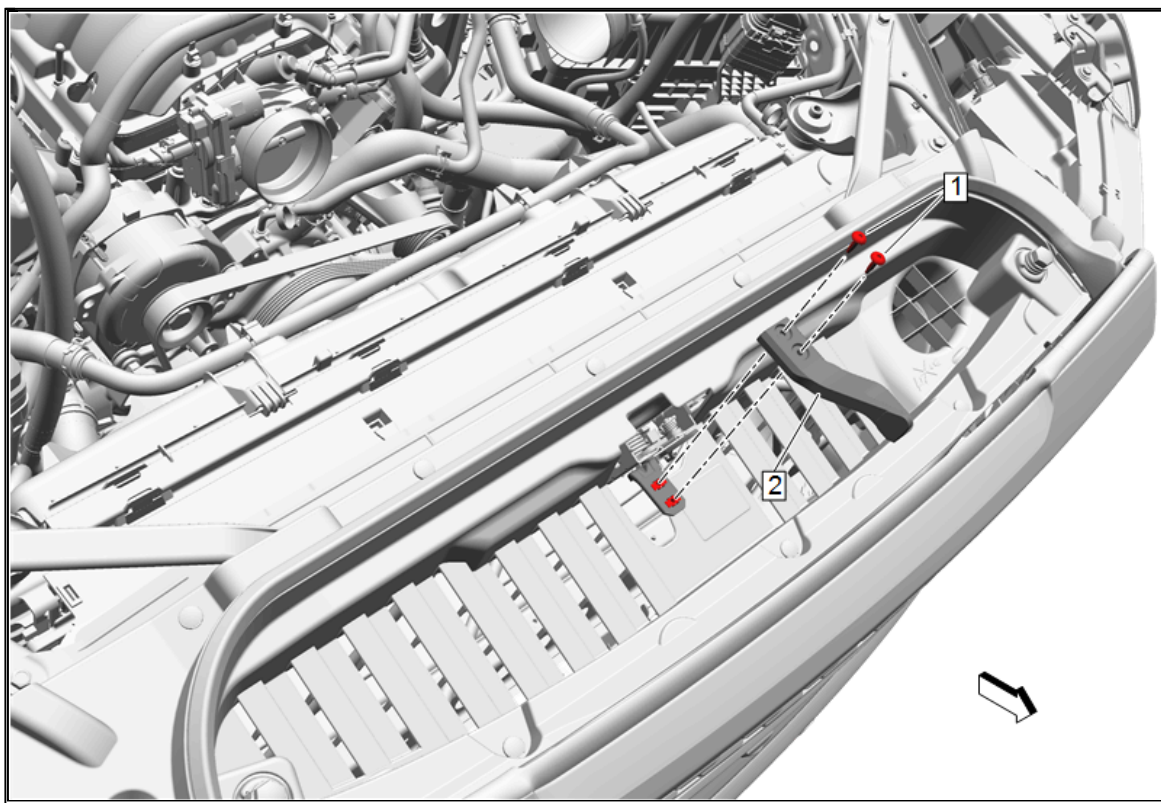
1. Disconnect negative battery terminal. Refer to [Battery Negative Cable Disconnection and Connection](#) in Vehicle Service Manual.



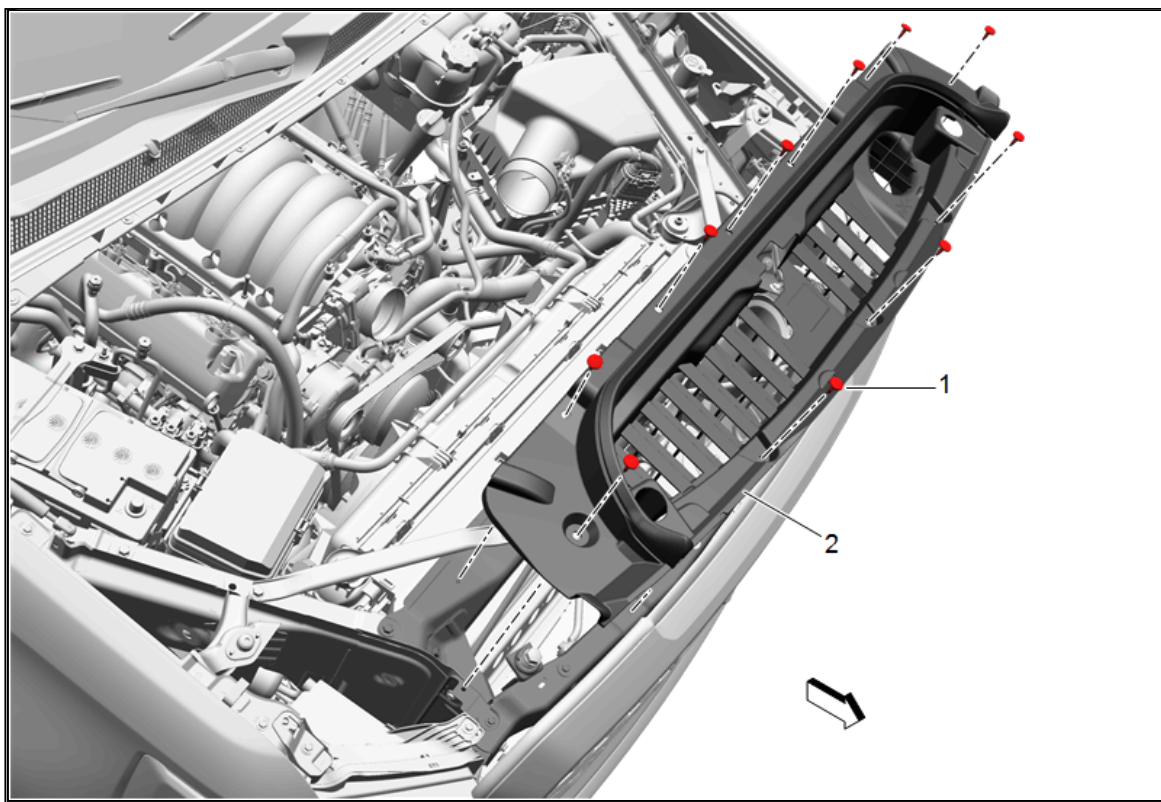
2. Remove PCV connectors (2) and hose (3) from valve cover (1) and clean air duct resonator (4).



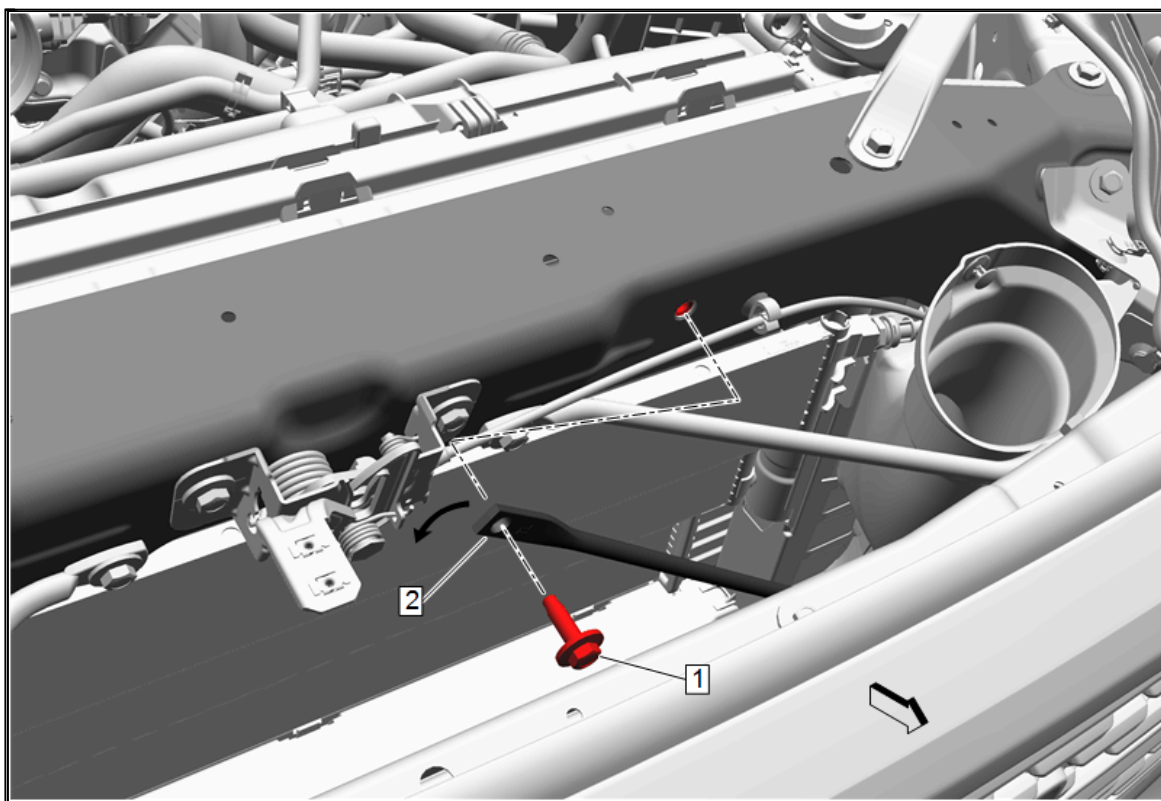
3. Loosen the clamps (2) on the throttle body (1) and the air cleaner assembly (6).
4. Remove the bolt (3) and bracket (4) attaching the outlet duct assembly to the alternator. Remove the outlet duct (5) from the vehicle.



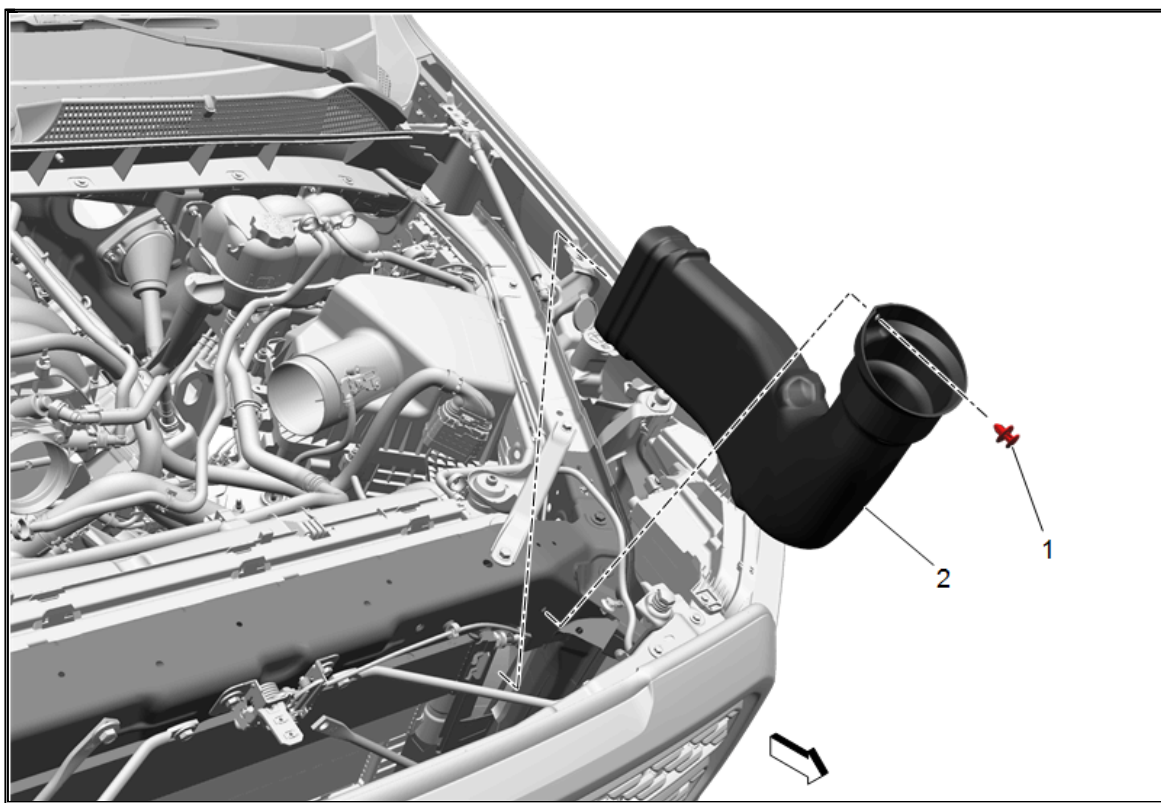
5. Remove the hood release lever handle (2) by removing the two screws (1).



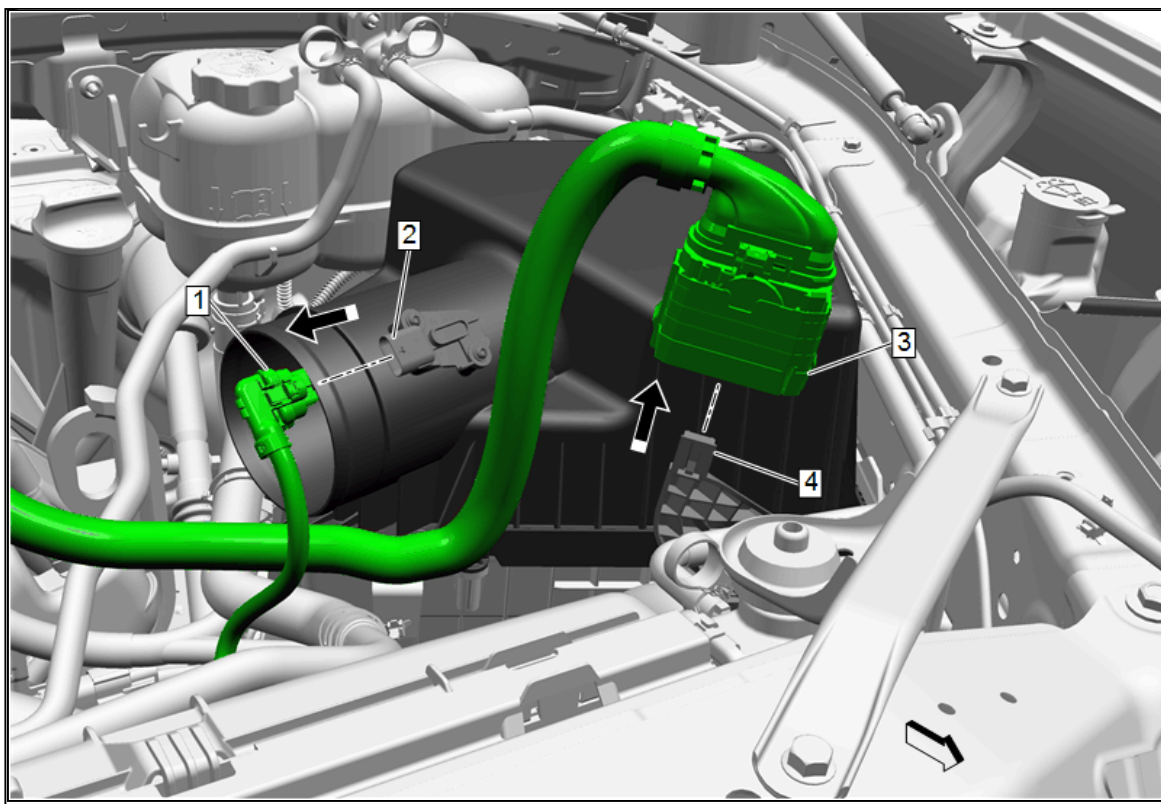
6. Remove 10 push pins (1) from the front plenum. Remove the front plenum (2) from the vehicle.



7. For ease of removal of the factory air cleaner, remove the bolt (1) attaching the brace (2) to the upper tie bar. Pivot the brace downward and to the left to allow clearance to remove the inlet duct.

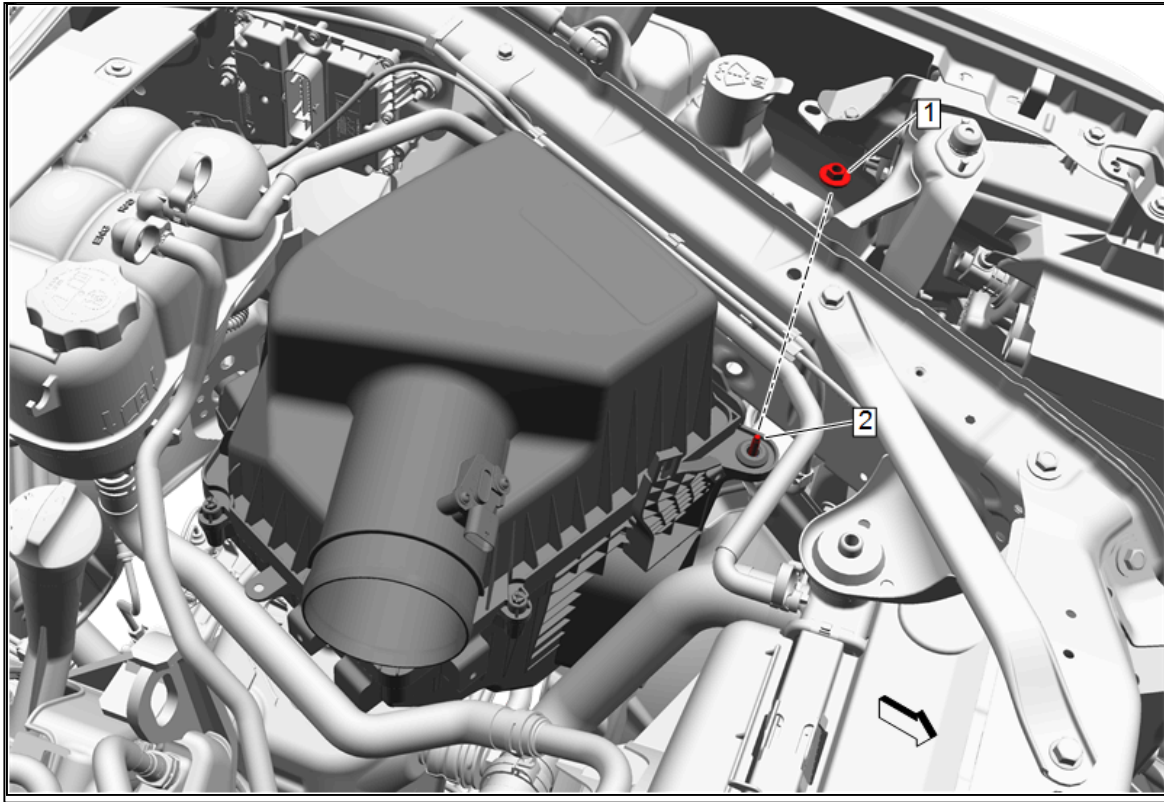


8. Using the trim tool, remove the push retainer (1). The inlet duct (2) can now be pulled out of the factory air cleaner.

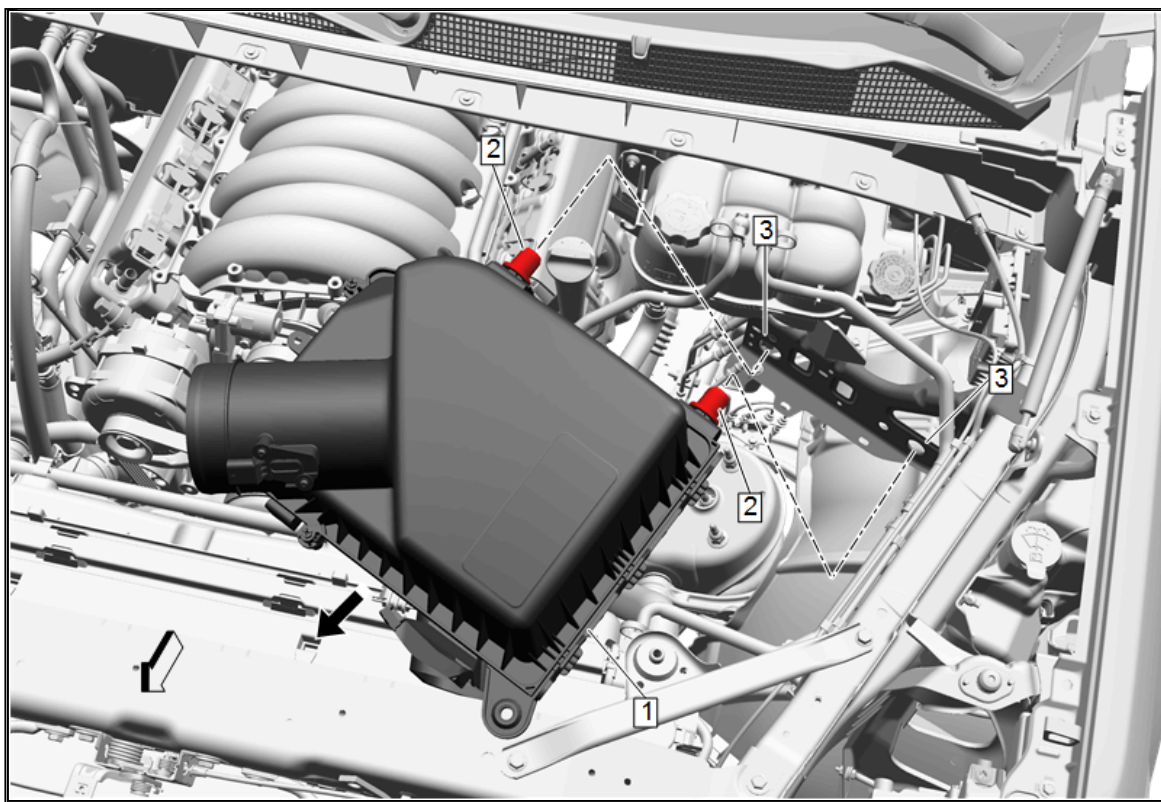


9. Disconnect the wiring harness connector (1) from the Mass Air Flow Sensor (2) (MAFS) .
10. Remove the electrical harness in line connector (3) from the clip on the bracket (4) connected to the airbox by pushing upward on the connector.

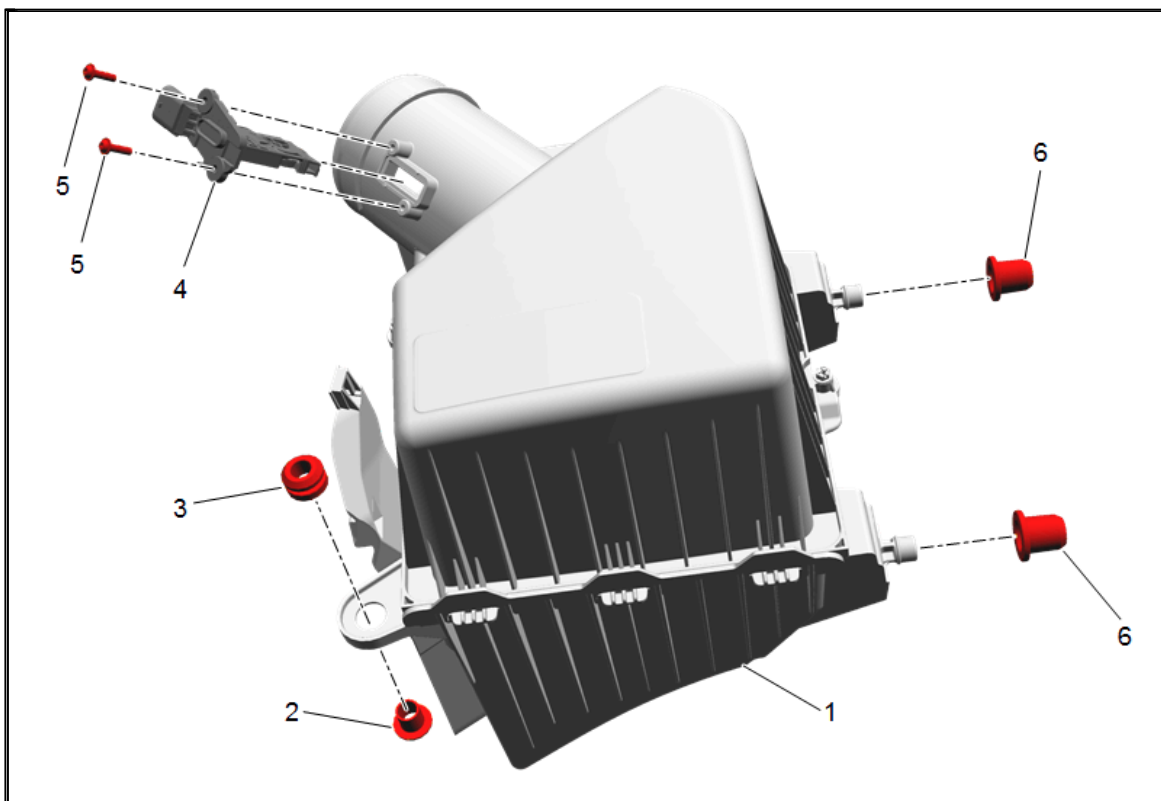
Note: Do not disconnect the cam lock mechanism on the electrical in line connector.



11. Remove the nut (1) on the front attachment point (2) of the airbox and save for performance air induction installation. There are multiple fir tree connectors attaching wiring and HVAC lines to the airbox. Make sure that all fir trees have been disconnected from the airbox before removal. Leave straps attached to wiring harness for position reference. Replacement straps are provided in the kit.

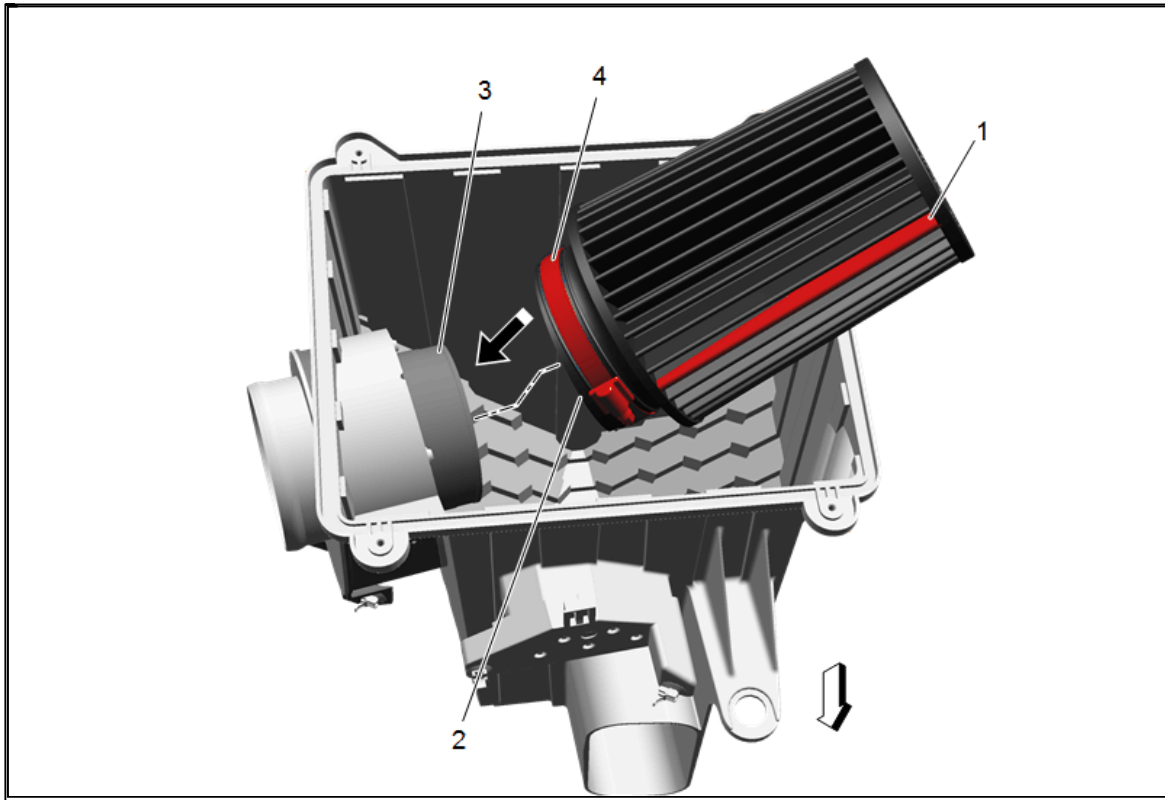


12. Pull forward on airbox (1) to remove rear rubber mounts (2) from the body bracket (3), pull upward to remove the airbox.

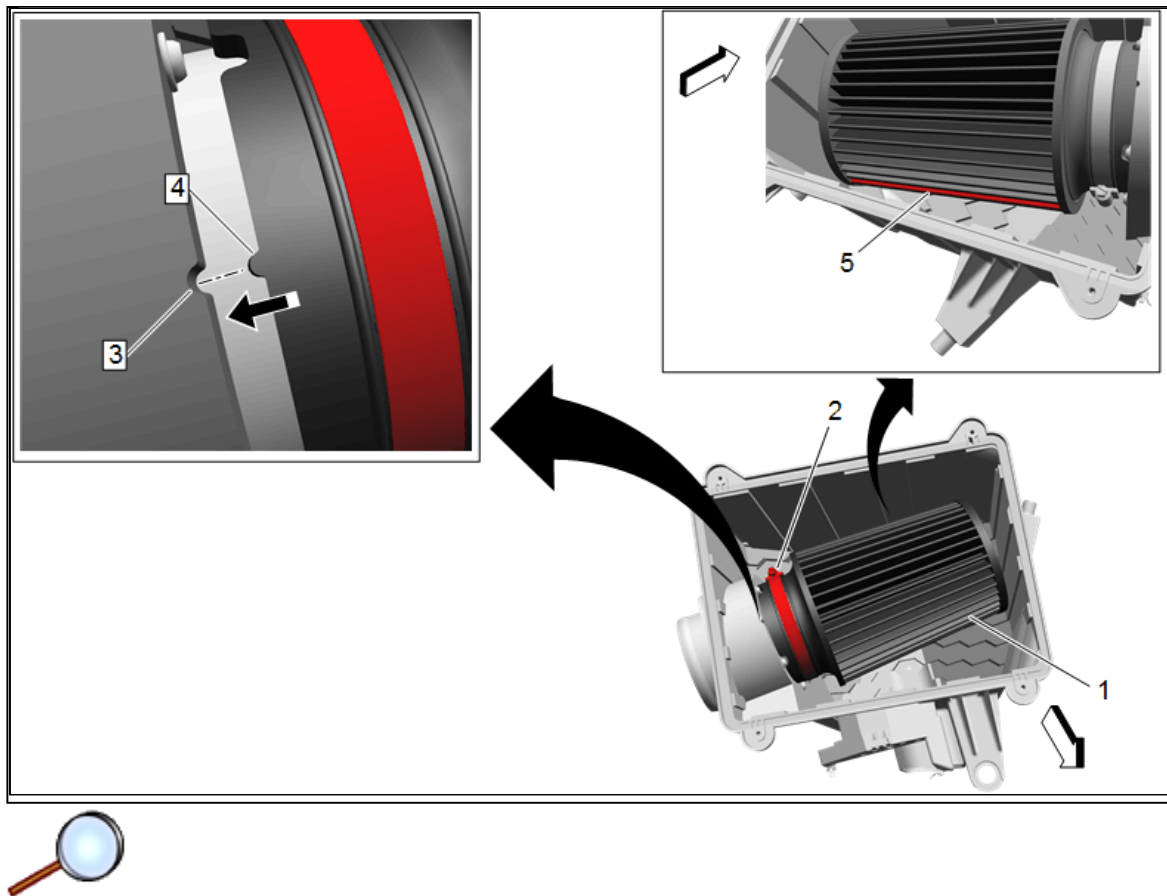


13. Place the factory airbox (1) on a workbench. Remove the MAF sensor (4) by removing the two screws (5) attaching it to the airbox. Take care not to damage the MAF sensor, and store in a dry area free of debris or contaminants. The MAF sensor and screws will be reinstalled on the performance airbox.
14. Remove the two rubber mounts (6) from the rear of the air box.
15. Remove the grommet from the front mounting point on the factory air box by pressing out the metal insert (2) first, then removing the rubber grommet (3). Save this for installation on the performance air cleaner.

Assembly and Installation of Performance Air Induction System

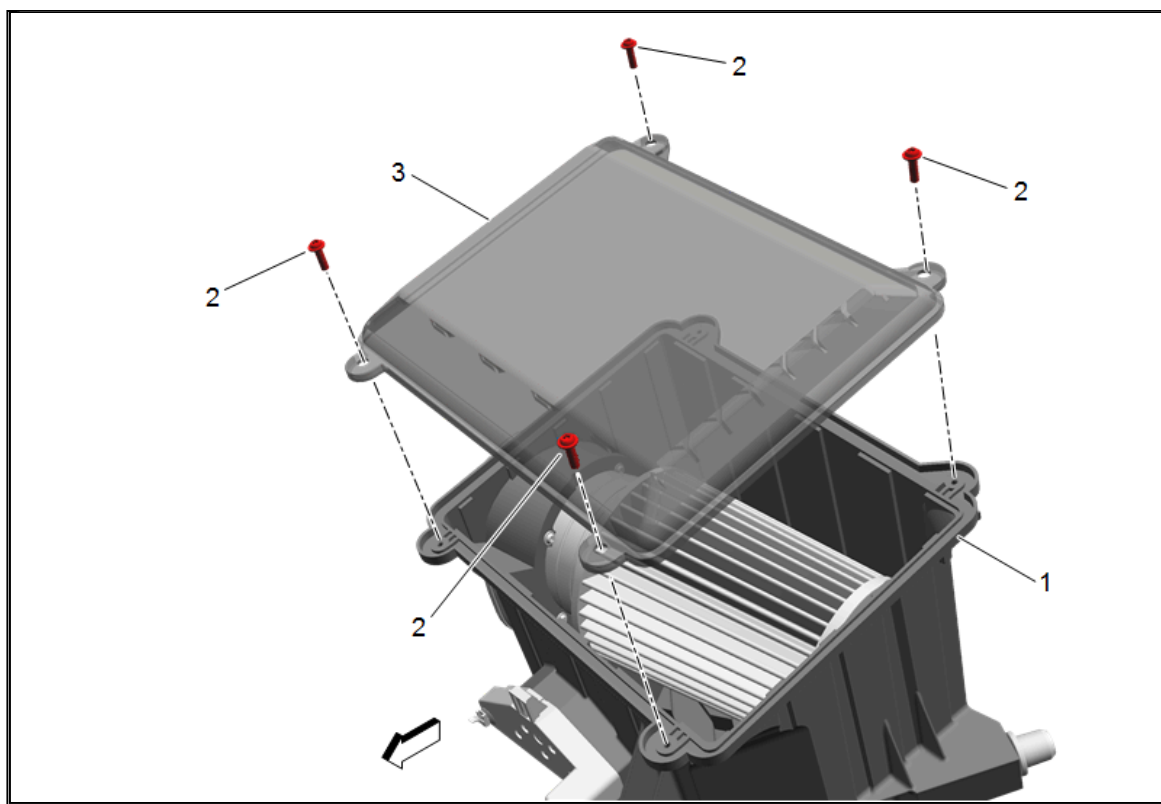


1. Place the clamp (4) on the filter in the groove in the base. For ease of install, orient the filter so that the metal clip (1) is facing toward the front of the vehicle.
2. Slide the end of the filter (2) onto the air box at an angle, then fit the filter into the air box (3).



Caution: Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

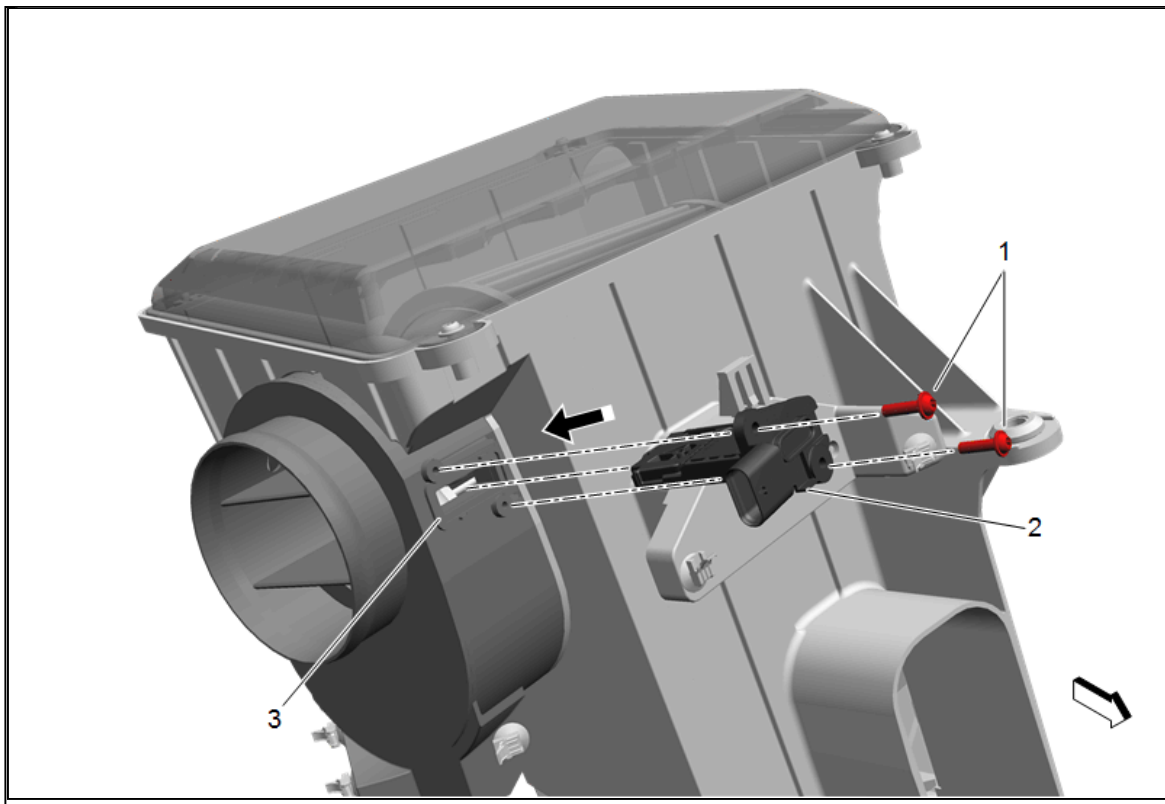
3. Rotate the filter (1) 180 deg, until the metal clip (5) faces the rear of the vehicle. Use the alignment feature (4) at the base of the filter to put filter in the correct position (3). Tighten the clamp (2) to 7.4 N.m (5.4 lb ft).



4. Place the lid (3) on the top of the airbox (1). Make sure that the lid is oriented correctly with the word **FRONT** facing the front of the vehicle

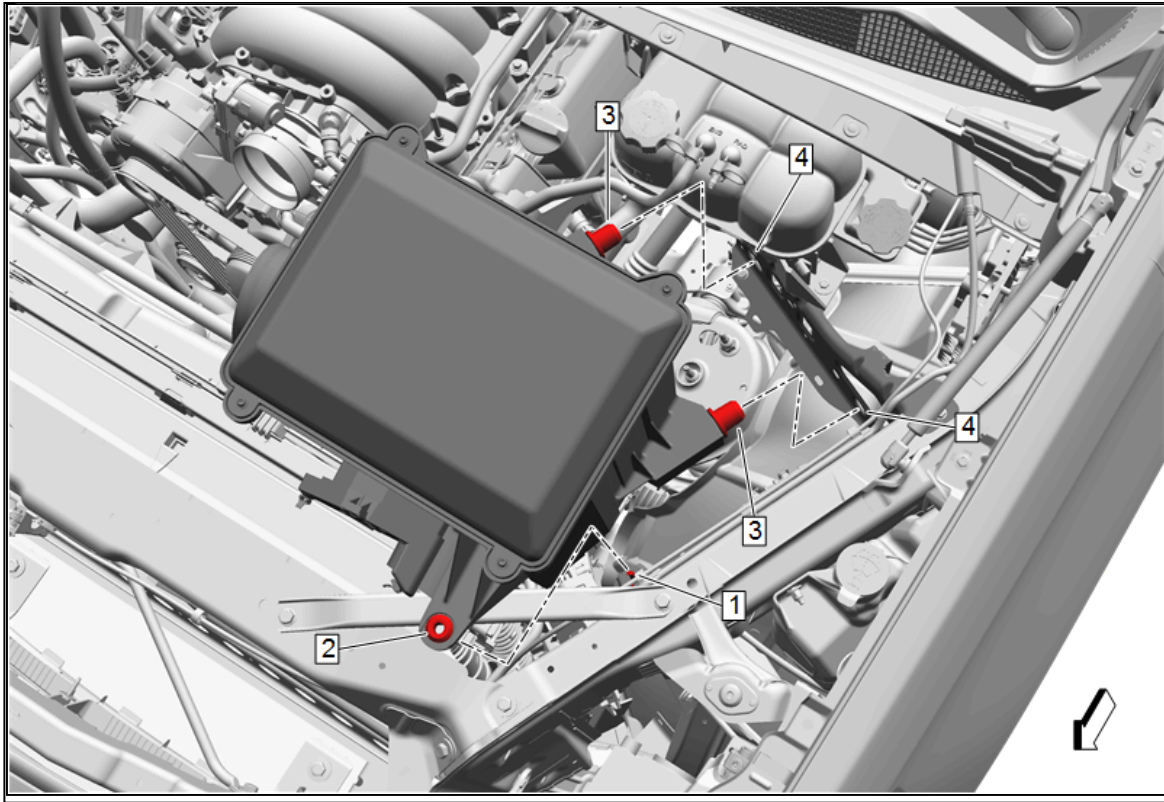
Note: When using fasteners that are threaded directly into plastic, use extreme care not to strip the mating plastic part(s). Use hand tools only, and do not use any kind of impact or power tools. Fastener should be hand tightened, fully seated, and not stripped.

5. Carefully fasten the 4 self-tapping screws (2) securing the lid to the airbox. Screws should be torqued to 3.4 N.m (2.5 lb ft).

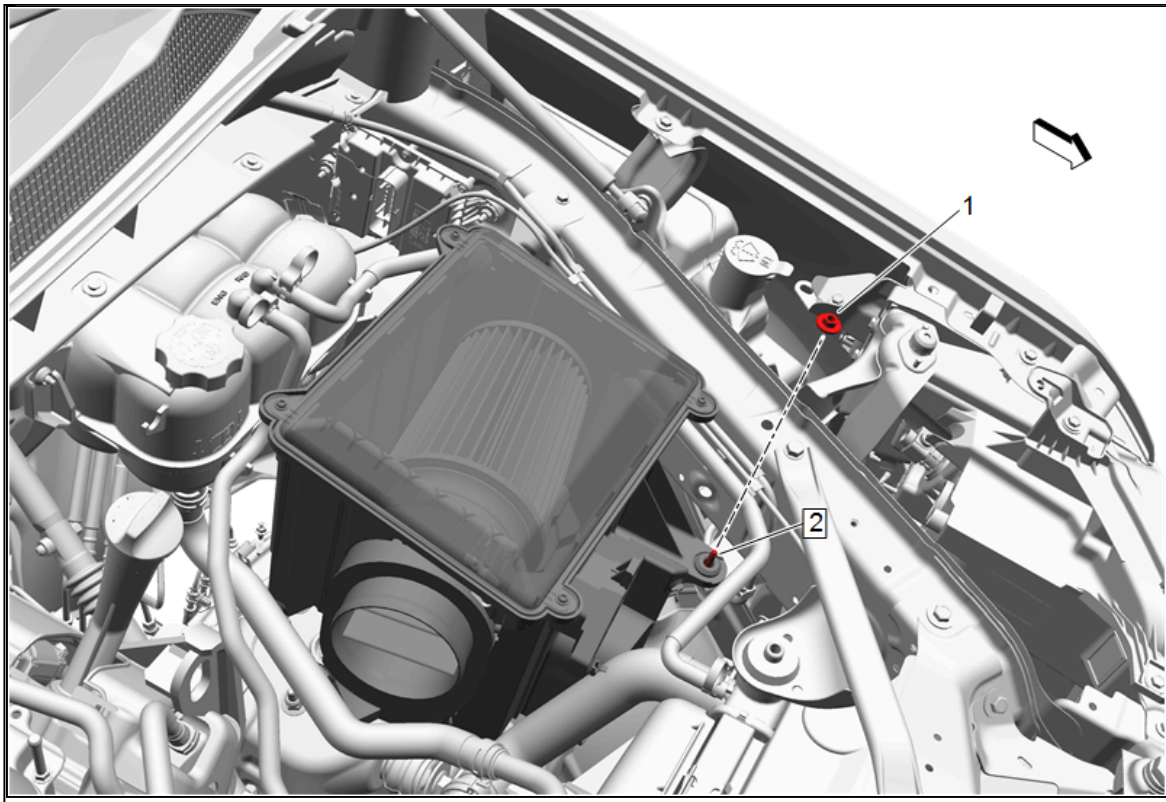


Note: When using fasteners that are threaded directly into plastic, use extreme care not to strip the mating plastic part(s). Use hand tools only, and do not use any kind of impact or power tools. Fastener should be hand tightened, fully seated, and not stripped.

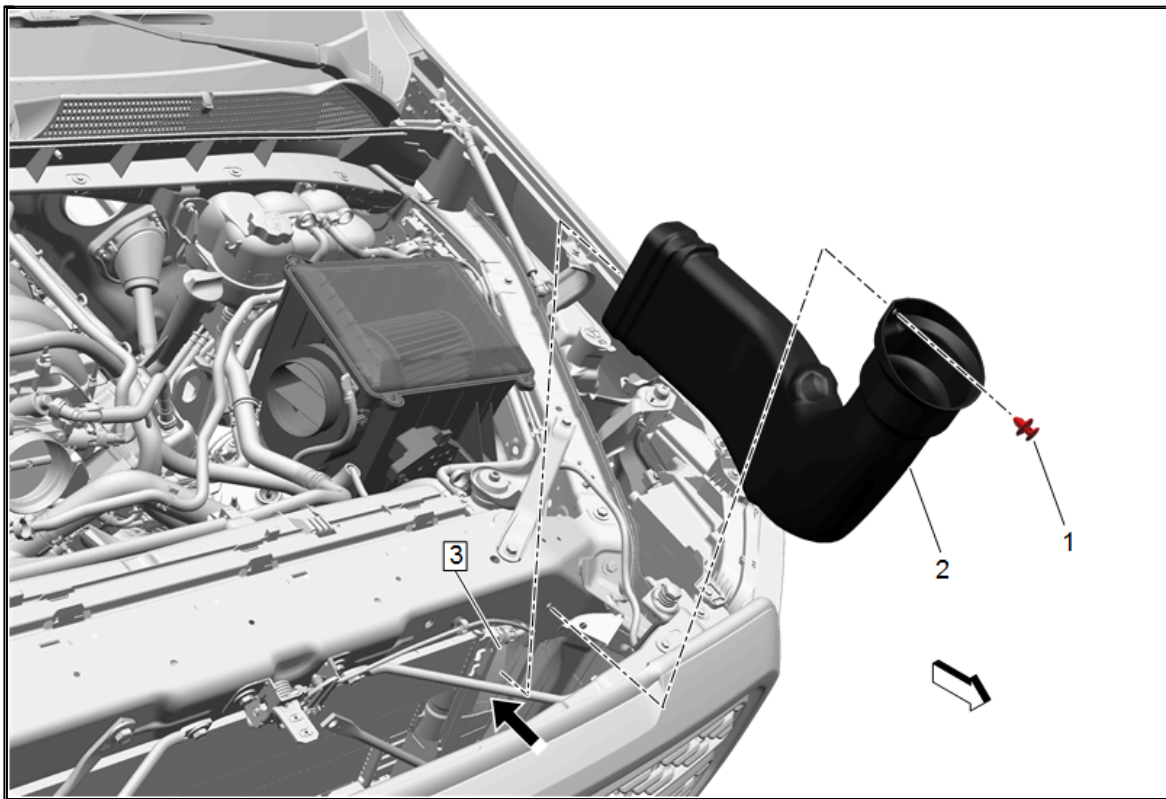
6. Reinstall the MAF sensor (2) into the air cleaner assembly (3). Install screws (1) and tighten to 1.4 N.m (13 lb in).
7. Before installation of the airbox into the vehicle, install the zip tie straps on the wiring harness and HVAC line directly adjacent to the factory tie straps. Do not reuse the original straps, as the fir tree connectors are easily damaged during removal. The zip ties will be fastened to the airbox once it is installed.



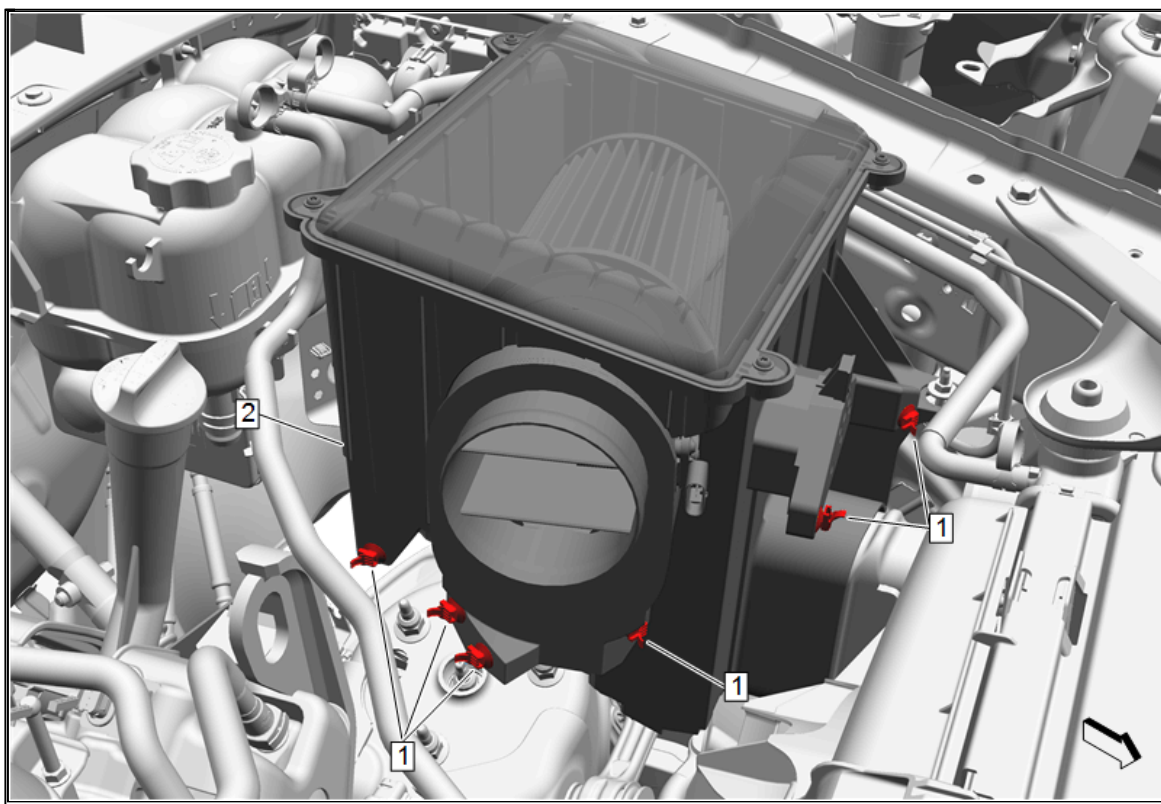
8. Install the rubber isolators (3) and the grommet (2) with metal insert to the airbox. Align the two rear rubber isolators (3) so that they are inserted into the holes on the body bracket (4) while positioning the grommet (2) to the mounting stud (1).



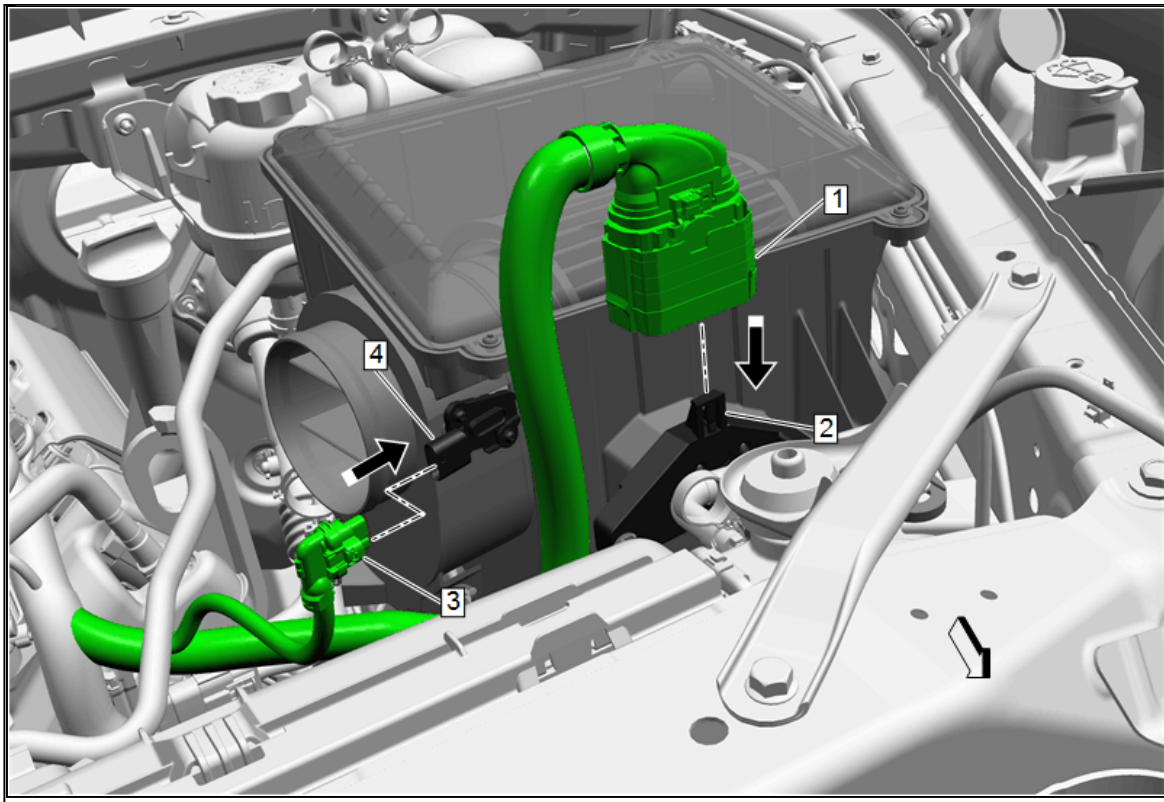
9. Fasten the retaining nut (1) at the front mounting point (2). Tighten to 9 N.m (6.6 lb ft).



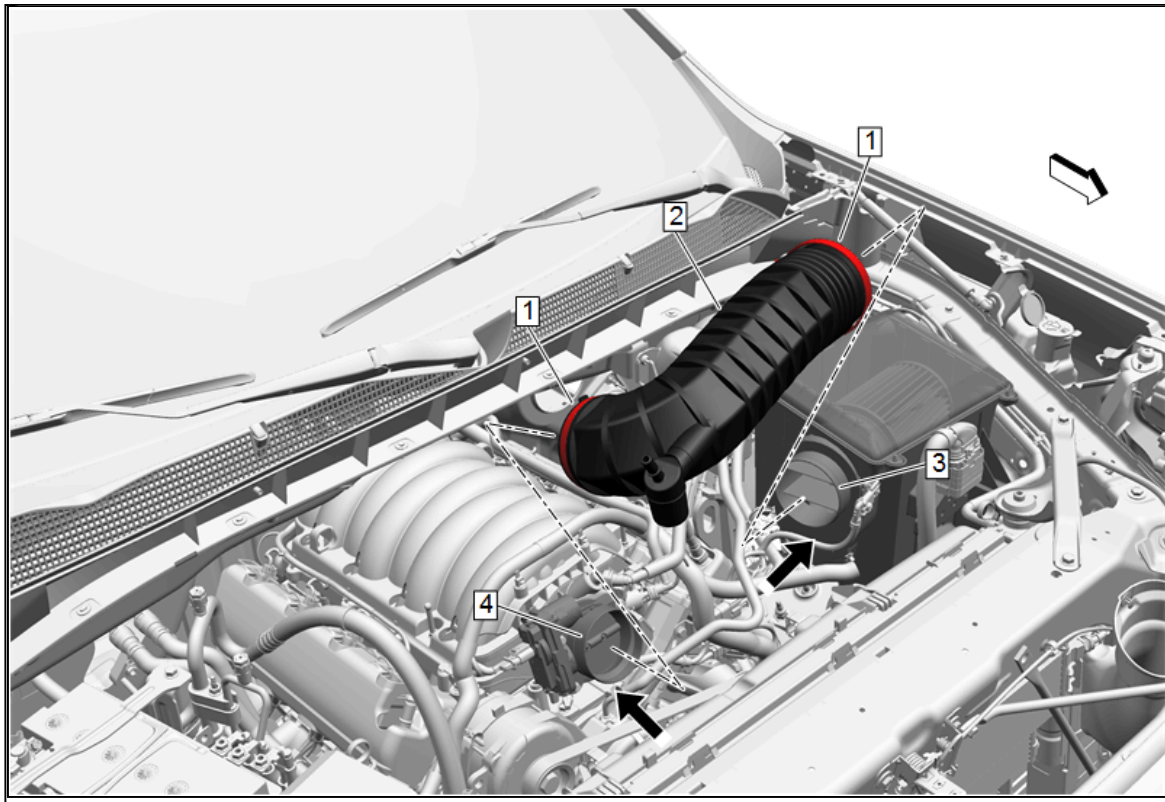
10. Once the airbox is installed, reconnect the inlet duct (2) to the inlet of the air box by pushing the duct into the airbox inlet (3). Install the push retainers (1).



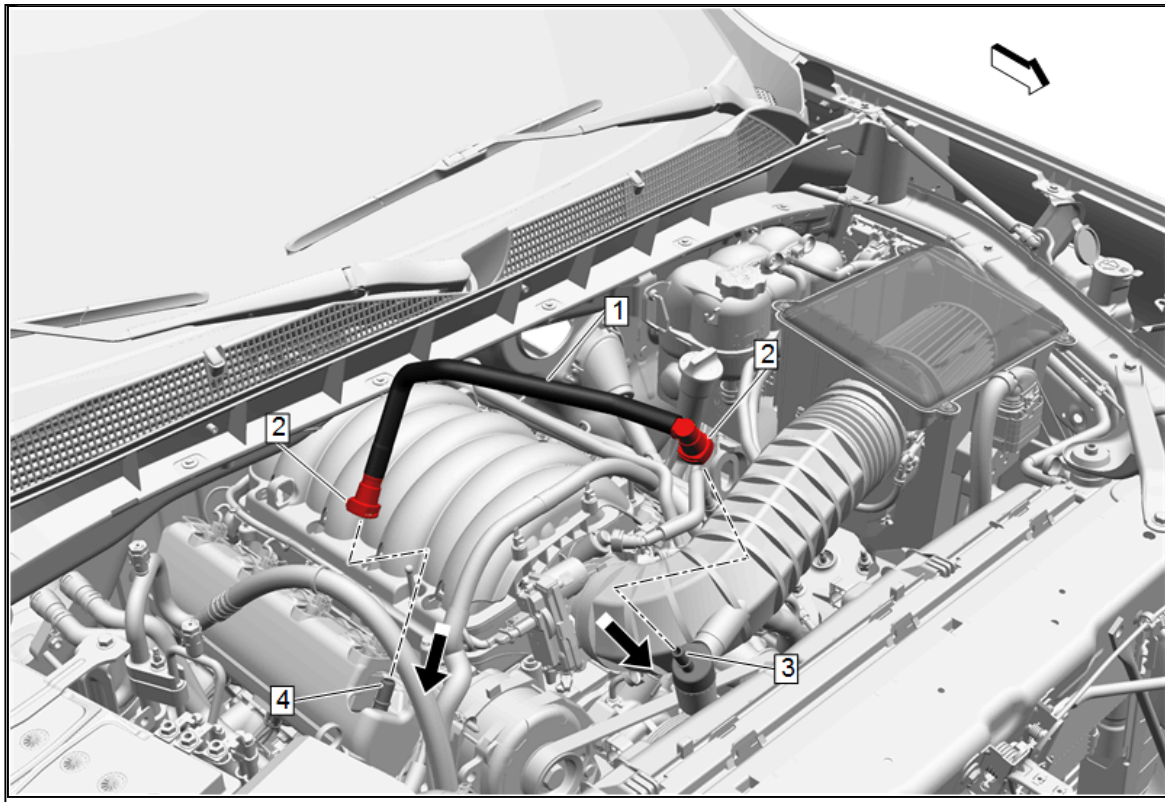
11. Attach fir tree connectors (1) on the zip tie straps into the airbox (2). After attachment is complete, the original straps may be cut away from the harness. Be careful not to damage the wiring harness or the coolant lines.



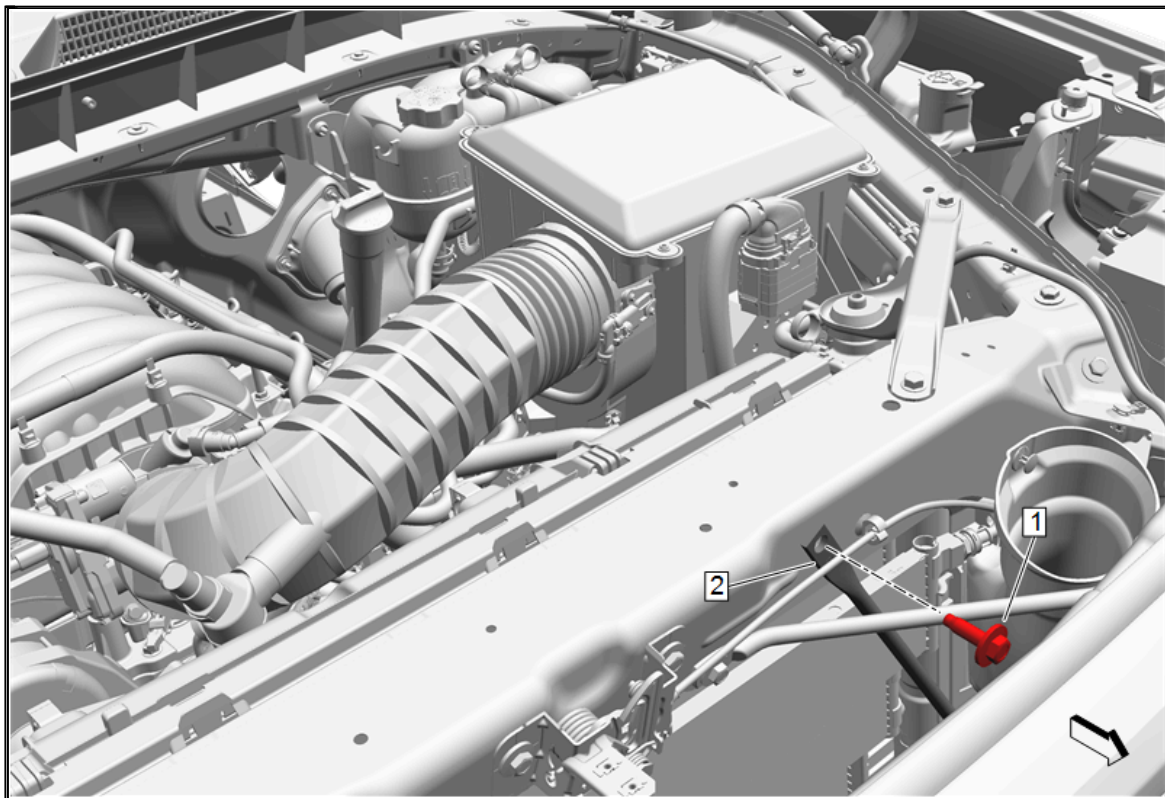
12. Reattach the inline harness connector (1) to the bracket (2) on the airbox by sliding it over the clip and pressing into place. Reconnect the MAF sensor (4) to the engine wiring harness (3).



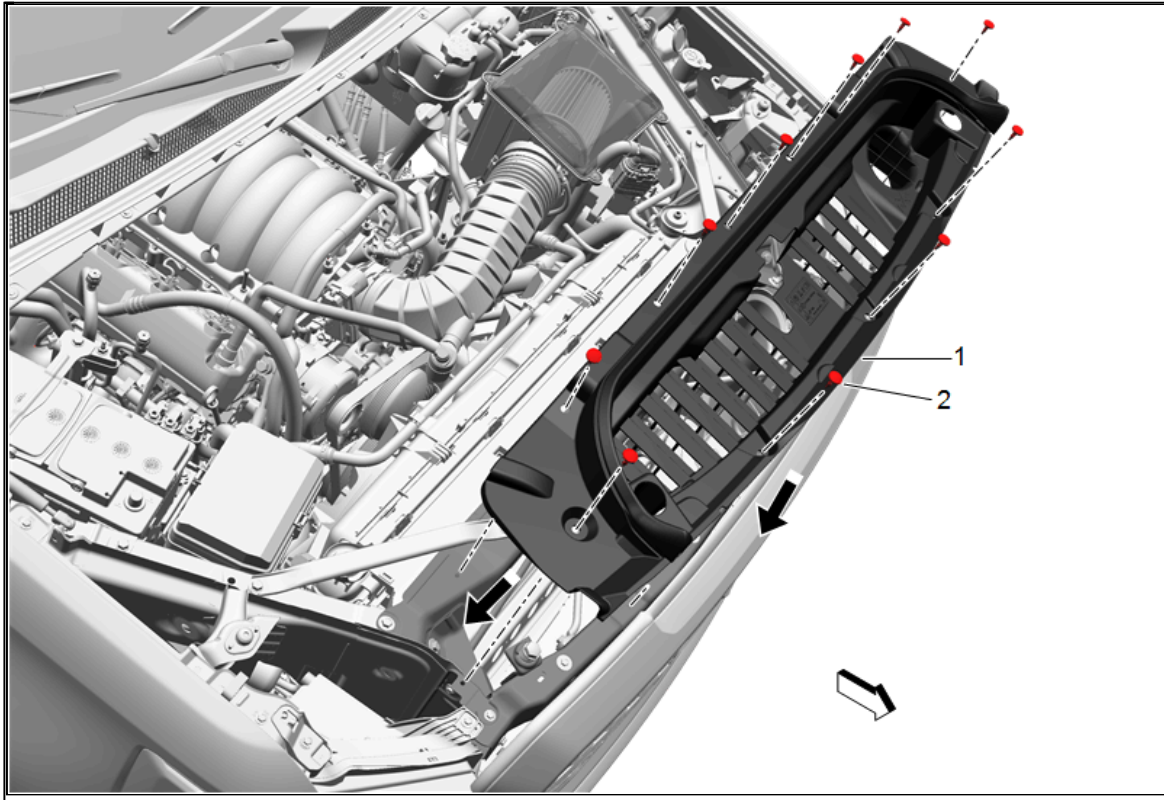
13. Place clamps (1) onto the outlet duct (2) in the grooves at each end. Note the proper orientation of the clamps by positioning them with the screw head upward.
14. Slide one end of the outlet duct over the throttle body (4), and the other end onto the airbox (3). For ease of install, a soap and water mix may be used on the inside edge of the duct. Take care not to get soap and water on the MAF sensor. Tighten clamps to 7.4 N.m (5.5 lb ft).



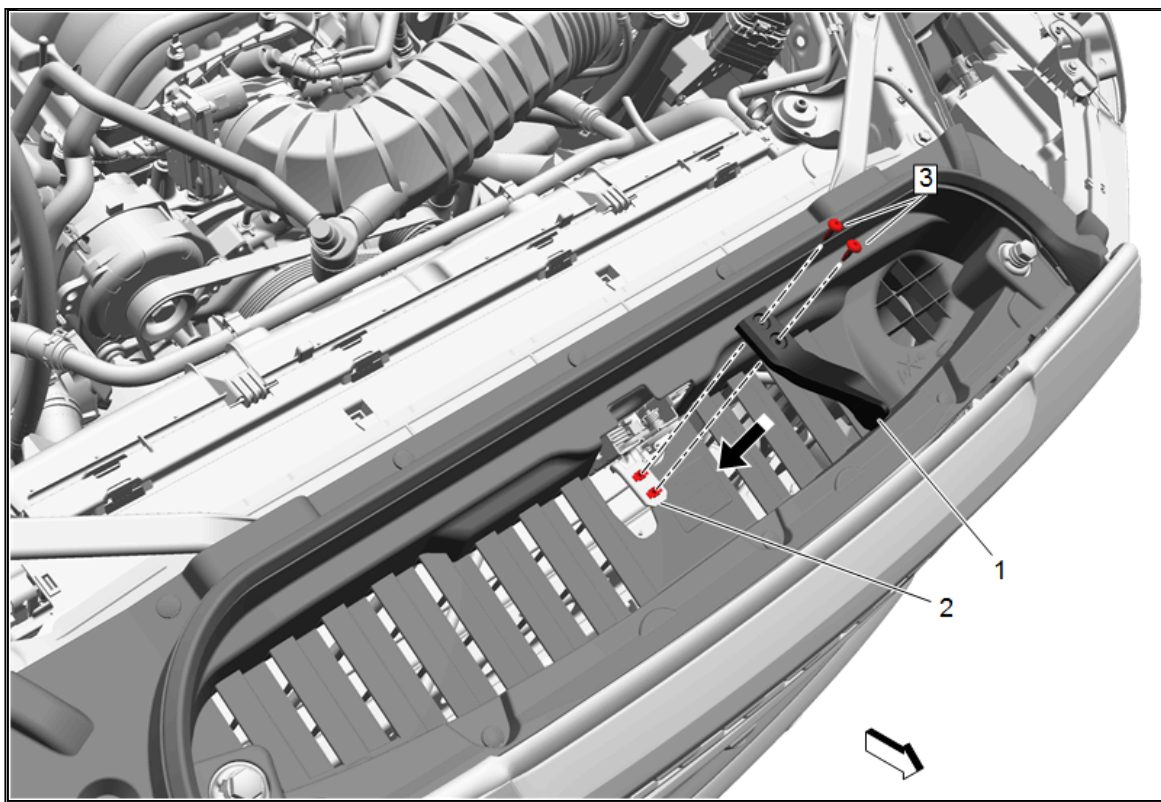
15. Connect PCV line (1) on the valve cover (4) and the duct (3) as shown. Make sure quick connect fittings (2) are securely attached.



16. Reinstall the brace (2) and the bolt (1), tighten to 58 N.m (43 ft-lb).



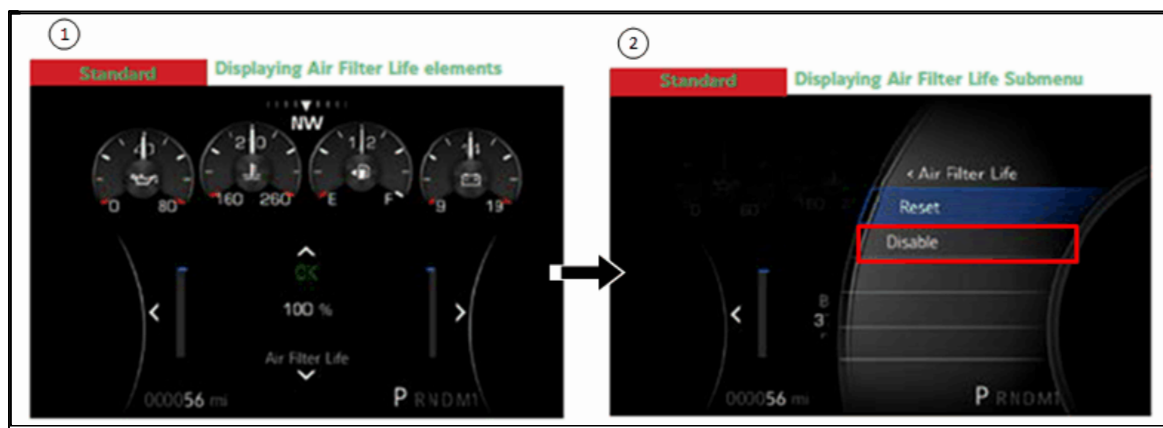
17. Reinstall the front inlet plenum (1) and secure all push retainers (2).



18. Reinstall the hood release handle (1) to the hood latch (2) and secure with the bolts (3). Tighten the bolts to 2.5 N.m (22 lb in).
19. Connect negative battery terminal. Refer to [Battery Negative Cable Disconnection and Connection](#) in Vehicle Service Manual.

Electronic Air Filter Life Monitor

1. The Electronic Air Filter Life monitor is not calibrated for the performance air induction system, and may not provide accurate life estimation for performance air filter. In order to prevent false filter life readings, the filter life monitor should be deactivated.



- 1.1. Go to the Air Filter Page at DIC
- 1.2. Select MENU

1.3. < RESET and DISABLE >

1.4. Select DISABLE

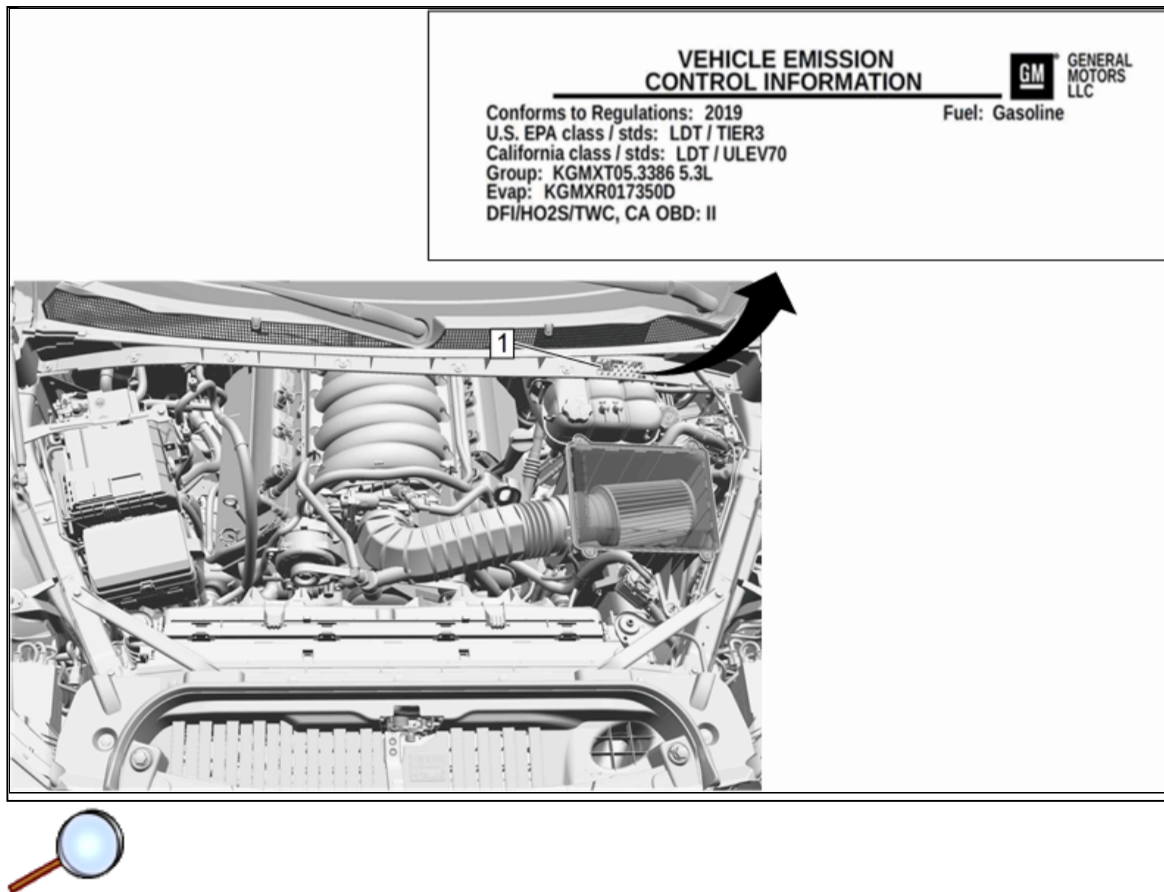
1.5. < Are you sure you want to Disable? Yes or No >

1.6. Select Yes

Vehicle Emissions Control Information (VECI) Label Application

Model Year	Engine	Make/Model	Label Part Number
2019	5.3L V8	Chevrolet Silverado 1500 GMC Sierra 1500	84789806
	6.2L V8		84789808
2020	5.3L V8	Chevrolet Silverado 1500 GMC Sierra 1500	84789798
	6.2L V8		84789800
2021	5.3L V8	Chevrolet Silverado 1500 GMC Sierra 1500	84854461
		Cadillac Escalade Cadillac Escalade ESV Chevrolet Tahoe Chevrolet Suburban GMC Yukon GMC Yukon XL	84854459
	6.2L V8	Chevrolet Silverado 1500 GMC Sierra 1500 Cadillac Escalade Cadillac Escalade ESV Chevrolet Tahoe Chevrolet Suburban GMC Yukon GMC Yukon XL	84854460

Vehicle Emissions Control Information (VECI) Label



Note: Refer to table above for Vehicle Emissions Control Information (VECI) Label application.

Note: Installation of Label - Clean the application surface so that there is no dust, oil, or other contaminants that will affect the label adhesion.

1. This kit contains a replacement Vehicle Emissions Control Information (VECI) Label that is required for your vehicle to meet Federal Emissions Standards. This label is also required for state vehicle inspections and certification. The original VECI label is attached to the Production Airbox Assembly and is thereby removed when the Performance Air Intake Kit is installed on the vehicle. Please attach the replacement label in a visible location within the engine compartment (1). The label can also be applied to the underside of the hood.
2. Engine Calibration must now be installed at an Authorized GM Dealer.

Note: This kit includes a calibration update for the Engine Control Unit. Reprogramming is done with a Service Programming System at an Authorized GM Dealer. When reprogramming, the GM dealer needs to call the Techline Customer Support Center (TCSC). The TCSC will provide a Vehicle Configuration Index (VCI). The VCI is good for only one specific Vehicle Identification Number (VIN). Call TCSC (1-888-337-1010) to obtain a VCI number. You must have the vehicle's VIN that will be upgraded and the Authorization Code provided at the bottom of the first page of this instruction sheet.

Note: The cost of re-programming is included in the cost of this kit. The dealer is instructed to charge the reflash to Labor Code 0601558.

Performance Air Induction Kit – Filter Service Interval

Due to the low restriction filter design, filter service life for the performance filter will differ from your owner's manual. In order to maintain optimal air induction system performance, GM recommends the following inspection and replacement intervals for the performance air filter. Shown below are recommended intervals for distance and time, please perform service at whichever occurs first.

	Distance	Time
Inspection Interval	10,000 mi (16,000 km)	12 months
Replacement Interval	20,000 mi (32,000 km)	24 months