

Cobalt & G4/G5/Pursuit Air Induction Kit (17800653) Manual

Installation Manual Part Number 88967487

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This publication provides general information on components and procedures that may be useful when installing or servicing a Chevrolet Cobalt or Pontiac G4/G5/Pursuit Performance Air Induction Kit. Please read this entire publication before starting work. Also, please verify that all of the components listed in the Package Contents section below were in fact shipped with the kit.

The information below is divided into the following sections:

- Required Tools
- Cobalt Air Induction Kit Installation Manual
- Package contents

It is not the intent of this manual to replace the comprehensive and detailed service practices explained in the GM service manuals. All the risk for its use is entirely assumed by the user. Specific component design, mechanical specifications to replace the comprehensive and detailed service practices are explained in the GM service manuals. GM service manuals are available from: Helm Incorporated, PO Box 07130 Detroit, MI 48207.

Observe all safety precautions and warnings in the service manuals when installing the Performance Air Induction Kit. 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 don't 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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GENERAL MOTORS SERVICE PARTS OPERATIONS

6200 Grand Pointe Drive, Grand Blanc, MI 48439

1 (810) 606-2398

Instruction Part Number – 88967487

2005 Chevrolet Cobalt, with 2.2L four cylinder engine, Air Induction System – CARB E.O. D-126-22

2006 Chevrolet Cobalt, with 2.4L four cylinder engine, Air Induction System – CARB E.O. D-126-22

2007-8 Chevrolet Cobalt and Pontiac G5, with 2.4L four cylinder engine, Air Induction System– CARB E.O. D-126-22

2006-8 Chevrolet Cobalt and 2007 Pontiac G5 with 2.2L four cylinder engines, and all 2007 Pontiac G4 and Pontiac Pursuit Air Induction System - illegal in California except on racing vehicles which may never be used on public highways.

Tools Required:

- 1/8" Allen Wrench
- Flat Head Screw Driver
- Phillips Head Screw Driver
- Pliers

IMPORTANT: If you are installing this kit on a vehicle that will be registered in a state where compliance to special CARB emissions standards is required, then your CARB EO label must be securely affixed to a clean, dry surface in a readily visible location under the hood; preferably close to your new Performance Air Induction Kit or directly on it's polished tube.

CAUTION: Wear safety glasses at all times.

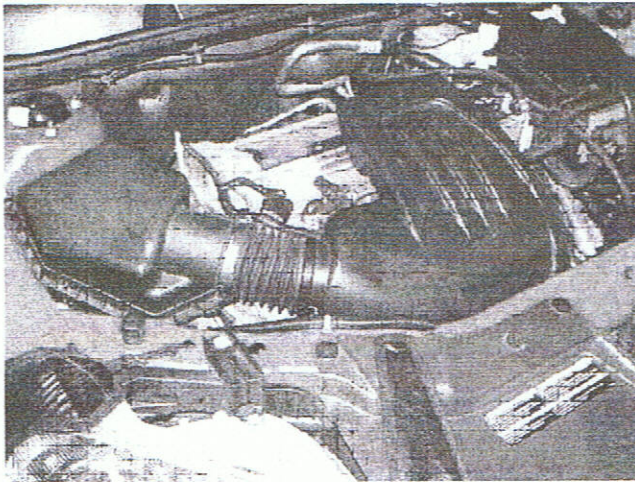
WARNING: Some components may be heavy or awkward to remove. Assistance may be needed to prevent personal injury.

WARNING: Batteries normally produce explosive gases which can cause personal injury. Therefore, do not allow flames, sparks, or lighted substances to come near the battery. When charging or working near a battery, always shield your face and protect your eyes. Always provide ventilation.

1. Air Induction Tube Removal

- Undo the oil filler cap and remove the engine cover and re-install the oil filler cap.
- Remove the PCV tube between the valve cover and the induction tube and save these clamps for later use.
- Disconnect the MAF sensor connector.
- Loosen the clamp that attaches the induction tube to the throttle body.
- Loosen the clamp that attaches the induction tube to the air box.
- Remove the induction tube out of the engine bay.

FIGURE 1

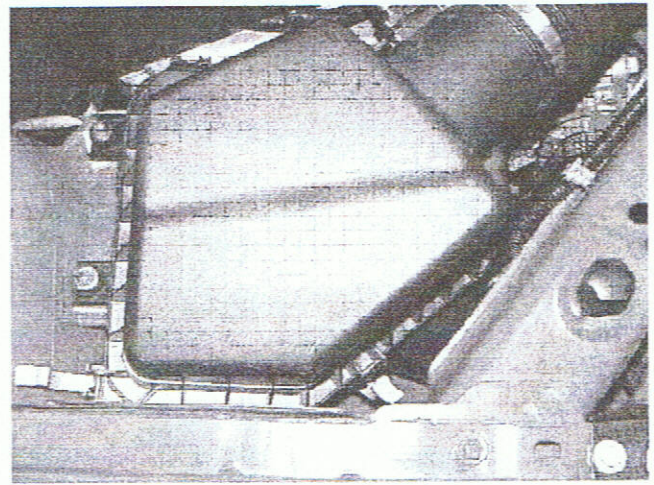


Block the throttle body to prevent contaminants from entering the intake.

2. Air Box Removal

- Undo the clips that secure the upper half of the air box in place and then remove the air box and the air filter from the engine bay.

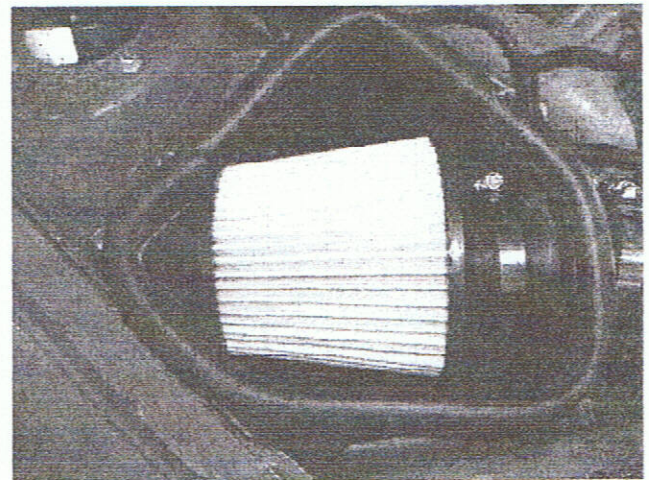
FIGURE 2



3. Air Induction Kit Assembly

- Install the air filter inside the air box with size 48 clamp and rotate the filter such that it is evenly spaced from the sides of the air box.
- Install the assembly onto the lower half of the air box and secure it using the production clips.
- Install the supplied flexible bulb edge seal to the top of the air box. Trim as needed.

FIGURE 3

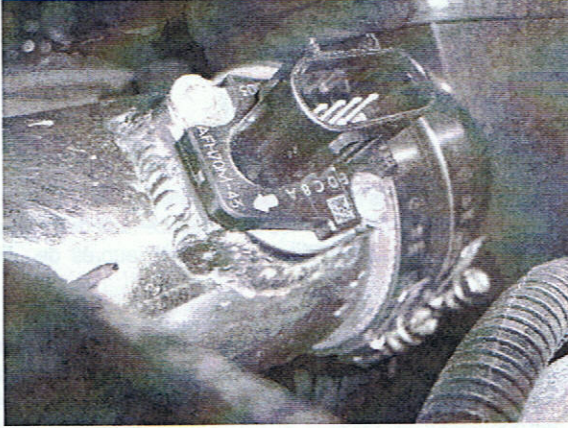


4. MAF Sensor Swap

- Using a phillips head screw driver, remove the fasteners from the MAF Sensor housing and carefully remove the MAF sensor.
- Insert the MAF Sensor in the new induction tube and secure it in place with the supplied screws.

NOTE: The direction of the MAF sensor cannot be reversed; the sensor will only fit in one position inside the air tube.

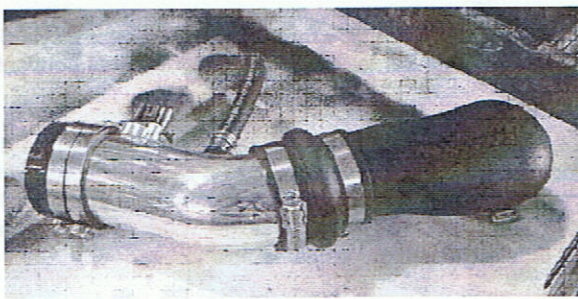
FIGURE 4



5. Assembly of Tube

- Using the flex-coupler, assemble the air induction tube onto the throttle body adapter using size 44 and size 48 hose clamps. Leave hose clamps loose for later adjustment of the components.
- Install the straight coupler on the other end using size 48 clamps.
- Ensure that the straight coupler is near the MAF sensor and the flex coupler is near the PCV barb.
- Install the provided PCV hose and attach it re-using the factory PCV hose clamps.

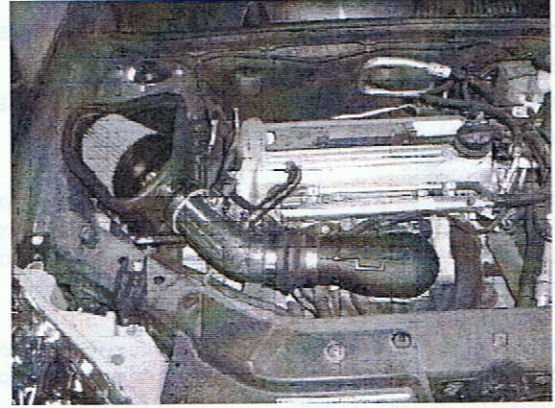
FIGURE 5



6. Final Installation Assembly

- Fit the throttle body adapter's seal ring over the throttle body opening.
- Install the air induction assembly between the throttle body and the air box. Use size 52 clamp to secure the throttle body adapter to the engine.
- Rotate the assembly such that the PCV hose barb is pointing toward the valve cover.

FIGURE 6



- Tighten all the hose clamps securely.
- Re-connect the MAF sensor connector and re-install the PCV hose onto the valve cover re-using the factory clamp.
- Re-install the engine cover.

Cobalt Performance Air Induction Kit Package Contents:

Quantity	Part Number	Description
1	88967480	Air Induction Tube (Aluminum)
1	88967479	Throttle Body Adapter
1	19202662	6" Conical Air Filter
1	88967486	Air Box
1	88967482	Flex Coupler
1	19165595	Straight Coupler
1	19165605	Airbox Top Edge Bulb Seal
1	19165596	Throttle Body Adapter Seal Ring
2	88968586	MAF Sensor Screws
1	19165597	PCV Hose
4	88967483	Clamp - Size 48
1	19165598	Clamp - Size 44 (Adapter at Tube)
1	19165599	Clamp - Size 52 (Adapter at Engine)
1	19155350	GM Performance Parts Label
1	19202666	CARB EO Label
1	88967487	Instruction Manual