
2014-2017 GM Truck Cold Air Intake 5.3L and 6.2L Engines Installation Instructions P/N: 421826 (2414-9600)

Application: 2014-2017 Chevy Silverado and GMC Sierra 5.3L and 6.2L

Important Note:

Before installing your Blackwing cold air intake, read through the entire installation procedure and check to make sure all items are present. Contact Blackwing Customer Service at 1-855-SLP-PERF, weekdays from 9:00 AM to 5:00 PM EST, with any questions regarding fit, missing parts or instructions that are unclear to you.



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PACKING LIST FOR 2014-2017 GM TRUCK COLD AIR INTAKE

Description	Part Number	Quantity
Air Box	2414-9A612	1
Filter Tube	131550-12B579HC	1
Clean Air Tube	2414-9B660	1
Filter with Clamp	997-494-BLK	1
Hardware Kit – Clean Air Tube	2414-9600HKA	1
Coupler – 6.2L T-Body-to-Clean Air Tube	241462-9B662	1
Coupler – 5.3L T-Body-to-Clean Air Tube	241453-9B662	1
Coupler – Filter Tube-to-Clean Air Tube	2414-9B6161	1
Clamp – 100 mm-120 mm	R07130028-13	1
Clamp – 90 mm-110 mm	1368016100	3
Fitting – 16 mm Quick Connect	13119N285	2
Grommet – PCV Fitting	1150-58GRMT	2
Hardware Kit – Cold Air Kit	2414-9600HKB	1
PCV Line – Passenger Side	2414-5757	1
PCV Line – Driver Side	2414-5758	1
Bolt – MAF to Air Box	W500224	2
Clamp – 24 mm CT	CTB24STFK	4
J-Clip – M6	95210A175	1
Bolt – M6 x 1 x 16	N605891	1
Seal – Air Box Bulb Seal 25 mm	2414-9B624	1
Seal – Air Box Inlet	2414-9F763	1

EQUIPMENT AND SUPPLIES REQUIRED

- 1/4" Drive Socket Set
- T-15 Torx Bit
- Pliers
- Razor Blade
- Flat-head Screwdriver
- Trim Tool

If you are missing any items, please call us toll free at 1-855-SLP-PERF.

LIMIT OF LIABILITY STATEMENT

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. Straight Line Performance (SLP) reserves the right to revise the information presented herein or to discontinue the production of parts described at any time

SAFETY PRECAUTIONS



CAREFULLY READ THE IMPORTANT SAFETY PRECAUTIONS and WARNINGS BEFORE PROCEEDING WITH THE INSTALLATION!

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the installation.

- Always wear safety glasses for eye protection.
- Place ignition switch in the OFF position.
- Always apply the parking brake when working on a vehicle.
- Block the front and rear tire surface to prevent unexpected vehicle movement.
- If working with a lift, always consult vehicle manual for correct lifting specifications.
- Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- Do not smoke or use flammable items near or around the fuel system.
- Use chemicals and cleaners in well-ventilated areas.
- Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or flammable substances to come near the battery.
- Keeps hands and any other objects away from the radiator fan blades.
- Keep yourself and your clothing away from moving parts when the engine is running.
- Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.
- Allow the engine, cooling system, brakes and exhaust to cool before working on a vehicle.

WORK SAFELY!

Perform this installation on a good clean level surface for maximum safety and with the engine turned off.

SECTION A – REMOVAL

The following section will guide you through the disassembly of the stock components. Special care should be taken to label fasteners and parts that are taken off during this procedure since many will be reused.

1. Cover both fenders with fender covers to protect the vehicle finish.
2. Disconnect the battery ground cable.
3. Disconnect the MAF sensor connector.



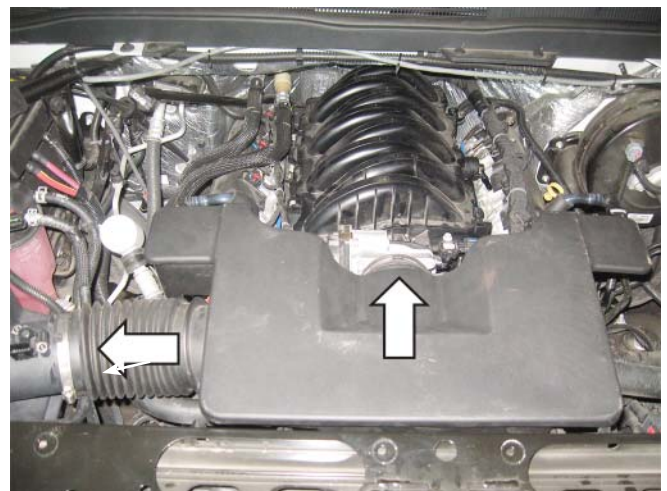
4. Using the T-15 Torx bits, remove the two screws retaining the MAF sensor. Retain screws for installation.



5. Remove the MAF sensor and retain for installation.



6. Loosen the clamps retaining the clean air tube to the air box and throttle body.



7. Disconnect the quick connect fitting on the driver side of the clean air tube.



8. Disconnect the quick connect fitting on the passenger side of the clean air tube.



11. Disconnect and remove the PCV from the driver side valve cover. Retain for installation.



9. Remove the clean air tube from the vehicle.



12. Disconnect and remove the PCV line from the passenger side valve cover.



10. Remove the air box assembly from the vehicle, by pulling up. It is held in place by three (3) barb fittings.



- Using a razor, score the PCV lines just removed then pull out the quick connect fittings. Retain the fittings for installation.



- Remove the two (2) bolts holding the retaining support bracket between the radiator support and the fender.



SECTION B – INSTALLATION

- Install two (2) rubber grommets (P/N: 1150-58GRMT) and fittings (P/N: 13119N285) into the clean air tube (P/N: 2414-9B660). **Tip:** Use glass cleaner or spray lubricant on the parts to help installation.



- Insert one (1) straight quick connect and one 90-degree quick connect to each of the supplied PCV hoses (P/N: 2414-6757, 2414-6758). Use the supplied hose camps (P/N: CTB24STFK) to attach the fittings.



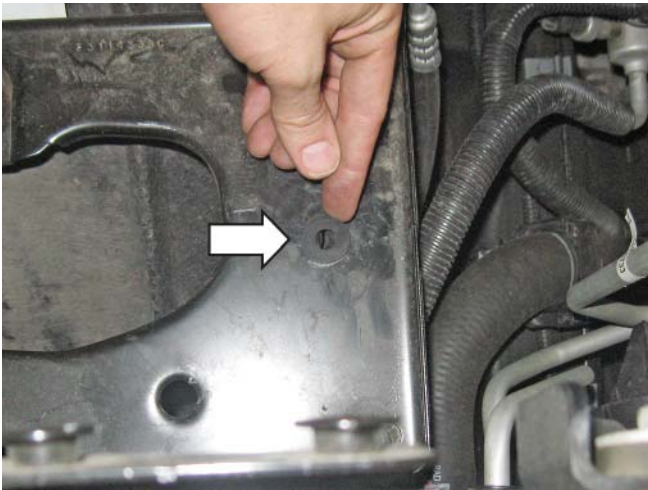
- Install the J-clip (P/N: 95210A175) into the air box tray as shown.



4. Install the grommet (P/N: 9600K53) into the air box tray as shown.



7. Insert the air box assembly into the truck, push down to seat the posts into the grommets.



5. Place the bulb seal (P/N: 2414-9B624) onto the top of the air box (P/N: 2414-9A612) and clip into the holes. Trim ends as required.



8. Thread and tighten the provided M6 bolt (P/N: N605891) into the bottom of the air box. Tighten to 10 Nm.



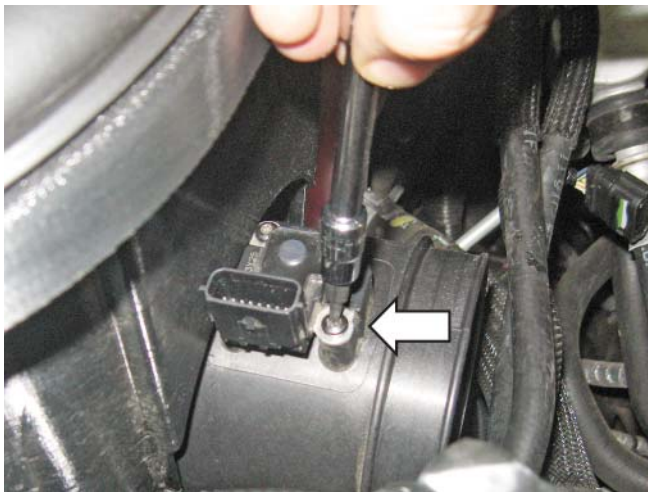
6. Clean off the fender well, then attach the inlet seal (P/N: 2414-9F673) as shown.



9. Insert the filter tube (P/N: 131550-12B579HC) into the air box tray.
10. Install the air filter (P/N: 997-494-BLK) onto the filter tube. Make sure the metal rib on the filter points down when the filter tube is oriented as shown. Tighten the filter clamp to 3 Nm.



11. Install the MAF sensor into the filter tube. Torque the screws to 2 Nm.



12. Using the two (2) M8 bolts (P/N: W500224), attach the filter tube to the air box. Tighten to 10 Nm.



13. Using two (2) hose clamps (P/N: R07130028-13 and P/N: 1368016100), install the filter tube-to-clean air tube coupler (P/N: 2414-9B661) to the filter tube and the clean air tube.



14. Attach the correct coupler between the throttle body and the clean air tube coupler for the specific vehicle (5.3L P/N: 241453-9B662, 6.2L P/N: 241462-9B662). Use the remaining clamps (P/N: 1368016100) to attach the coupler to the clean air tube and throttle body. Torque the clamps to 3 Nm.



15. Install the driver side PCV hose (P/N: 2414-6758) between the quick connect bars on the valve cover and clean air tube assembly.

17. Reinstall the support brace between the core support and fender.



16. Install the passenger side PCV hose (P/N: 2414-6757) between the quick connect bars on the valve cover and clean air tube assembly.

