

## INJEN EVOLUTION

### Air Induction System

#### 2014 -2018 Chevrolet Silverado 1500 5.3L V8

**Installation Time:** 30 Minutes – 1 hour (depending on skill level)

**Tools Required:**

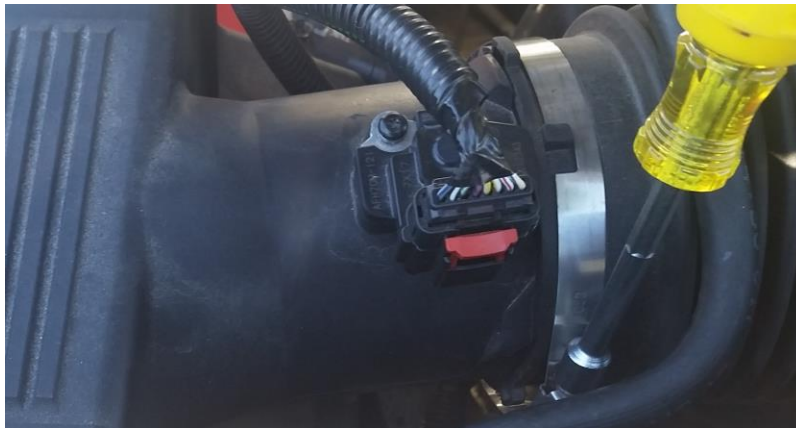
- ✓ Tool 1 – Step Ladder or Step Stool
- ✓ Tool 2 – Pliers
- ✓ Tool 3 – Flat Screwdriver or small flat prying tool
- ✓ Tool 4 – 8mm Nut Driver
- ✓ Tool 5 – T15 Torx Driver
- ✓ Tool 6 – Phillips Screwdriver
- ✓ Tool 7 – Allen Key or Hex Driver
- ✓ (\*)Tool 8 – 5/32" drill bit
- ✓ (\*)Tool 9 – Electric or Cordless Drill

(\*) = Needed for optional **Filter Monitor Kit Part #: AC1000**

*-Lay out the parts needed for installation according to your vehicles engine size: i.e. the 3.5"-4" step hose fitting is for a 5.3L engine, and the 4"-4" hose fitting is for a 6.2L engine.*

**Installation Instructions:**

1. Using an 8mm nut driver, loosen the band clamp on the Factory Air Box.



2. Using an 8mm nut driver, loosen the band clamp on the Throttle Body.



3. Disconnect both vacuum lines from the Factory Air Duct by firmly pressing the buttons to release the clamps.



4. Remove the Factory Air Duct and set it aside.

5. Disconnect both vacuum lines from the engine by firmly pressing the buttons to release the clamps.



6. Slowly and carefully loosen the cap on the Antifreeze Overflow Tank just to release any build up pressure and then retighten the cap.



- Using pliers squeeze the hose clamps on the hose lines on the antifreeze overflow tank and slide the clamps back on the hoses.



- Remove the hoses from the antifreeze overflow tank and relocate them out of the way.



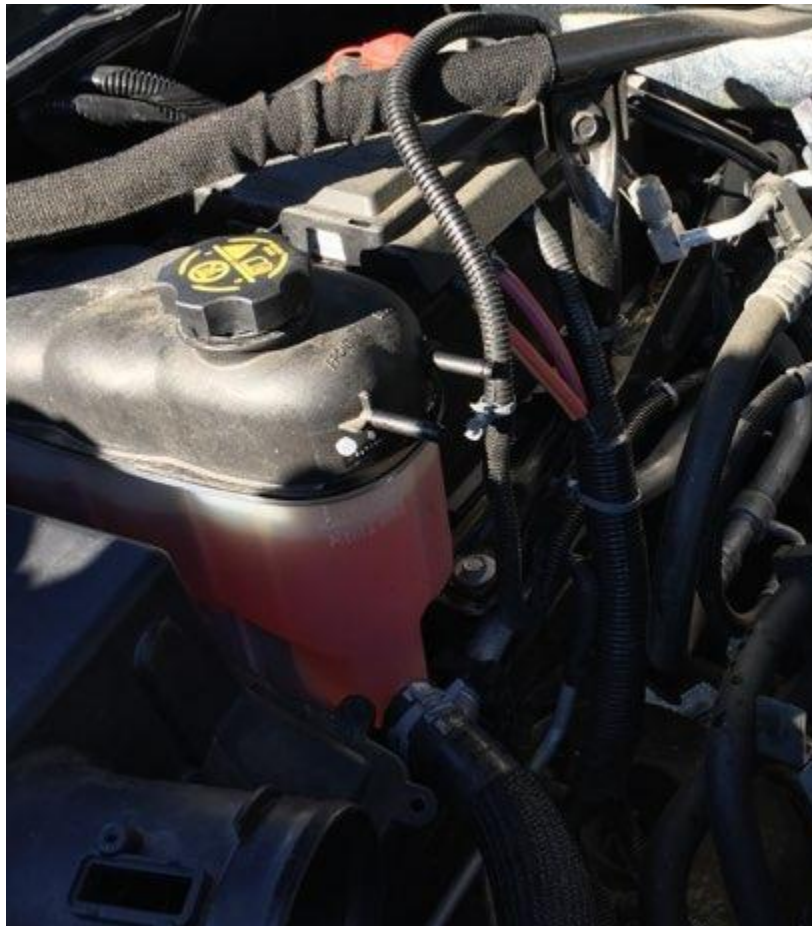
- At the base of the Factory Air Box, engine side, remove the MAF Sensor wire tie down by gripping the tie down with pliers and pulling straight up.



10. Using a T15 torx driver, unscrew both screws on the MAF Sensor.



11. Remove the MAF Sensor and relocate it out of the way.



12. Remove the Factory Air Box by pulling straight up and out at an angle.



13. Remove both rubber grommets from the bottom of the Factory Air Box.



14. Insert both rubber grommets into the Air Box Mounting Plate of your vehicle.



15. Remove the spacer grommet from the bottom of the Factory Air Box.



16. Set aside the Factory Air Box.

(Save your Original Equipment in case you need it at a later time.)

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## **I. Installing the INJEN Air Induction System**

### **A. The INJEN Air Box**

17. Insert the grommet spacer into the bottom of the Injen Air Box.



18. Attach the filter to the cover or “plenum” of the Injen Air Box and tighten the band clamp using an 8mm nut driver.





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**\*\* Models without optional Filter Monitor Kit:**

**\*\*19-A.** Insert the rubber monitor hole plug into the monitor hole of the Injen Air Box.



**\*\*Skip ahead to #25**

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**Models with optional Filter Monitor Kit – P/N: AC1000**

19. Connect vacuum line to the filter monitor gauge.



20. Insert rubber grommet into the monitor gauge hole of the Injen Air Box.



21. Run the vacuum line through the hole in the rubber grommet and install the filter monitor gauge into the Injen Air Box.



22. Drill a (5/32") hole into the top of the filter, staying at least 1" in from the edge of the filter, I drilled the hole in the small circle under the Injen logo.



23. Connect the vacuum line to the 5/32" 90deg elbow fitting on top of the filter.



24. Insert the end of the 90deg elbow fitting into the drilled hole on top of the filter.



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25. Attach the cover or "plenum" onto the Injen Air Box using the (4) 6x20 screws and rubber washers, you will need to use a Phillips screwdriver.



26. Install the assembled Injen Air Box onto the air box mounting plate of your vehicle by lowering it into place at an angle to clear the support bar, then align the mounting feet into the rubber grommets and push down firmly to ensure proper seating of the Injen Air Box.



### **B. The INJEN Air Tube**

27. Attach the 4"x4" hump hose connector onto the straight end of the Injen Air Tube, and tighten the band clamp using an 8mm nut driver.



28. Attach the 4" side of the step hose connector onto the bent end of the Injen Air Tube, and tighten the band clamp using an 8mm nut driver.



29. Attach the 8.5" rubber vacuum hose onto the fitting nearest to the middle of the Injen Air Tube.



30. Attach the 14.5" rubber vacuum hose onto the fitting at the end of the Injen Air Tube.



31. Attach the straight end of the Injen Air Tube with the 4"x4" hump hose connector to the Injen Air Box and tighten the band clamp using an 8mm nut driver.



32. Attach the bent end of the Injen Air Tube with the 3.5"x4" step hose connector to the engine's Throttle Body and tighten the band clamp using an 8mm nut driver.





33. Attach the 8.5" and 14.5" rubber vacuum hoses to the fittings on the engine.





34. Insert the MAF Sensor into the Injen Air Tube.



35. Attach the MAF Sensor to the Injen Air Tube using (2) M4 button head screws and an Allen Key or Hex Driver.



36. Re-attach both antifreeze overflow lines to the antifreeze overflow tank using pliers squeeze the tabs together on the hose clamps and slide them back into position.



37. Start your vehicle and listen for any air leaks or rattles in the engine compartment. You may need to adjust or tighten the band clamps.



***Congratulations*** you have successfully installed your INJEN Evolution - Cold Air Induction System.

Installation Instructions Written by AmericanTrucks Customer J. Dotson 02/15/2019

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