

**BRING ON THE POWER**



# **MAXX FLOW**

**INTAKE MANIFOLD**

**INSTALLATION MANUAL**

**DODGE 6.7L CUMMINS**



# WARNING!

This high performance product is intended for off-road, closed-course racing use ONLY. This product may never be installed on a vehicle registered for highway use. By installing the H&S Maxx Flow onto your vehicle, you assume all risk and liability associated with its use. It is your responsibility to ensure that your vehicle complies with all national, state, and local emissions laws. Due to its high performance nature, the H&S Maxx Flow may void vehicle manufacturer's warranty. H&S Performance, LLC assumes no liability for misuse of its products. By installing the H&S Maxx Flow, you release H&S Performance, LLC of any and all liability associated with its use. Any and all civil penalties for removing your vehicles emissions equipment are the sole responsibility of the end user. Check your laws before installing!

## **TROUBLESHOOTING:**

**NOTE: You will have a check engine light and/or other problems unless using the Maxx Flow with an H&S tuning device.**

Please read and understand all installation instructions before proceeding with the installation.

If you have questions during the installation of this product, please call H&S Performance support at 1-888-628-1730

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## PARTS LIST



- One H&S Maxx Flow Intake Manifold
- One 4" to 3" Reducing Coupler
- One 4" Clamp
- One OEM Intake Manifold Gasket
- One OEM Intake Manifold Bolt
- One H&S Dipstick Bracket
- One Dipstick Bracket Hardware



### **If you purchased an H&S Boost Tube you will also get:**

- One H&S Mandrel Bent Boost Tube
- One 4" Straight Coupler
- Two 4" Clamps

## INSTALLATION

**THE H&S MAXX FLOW INTAKE MANIFOLD MUST BE USED IN CONJUNCTION WITH AN H&S EGR COOLER DELETE (PART #301005 FOR 2009 - 2011 OR PART #301003 FOR 2007 - 2008) OR AN EGR CROSSOVER PLUG (PART #301015).**

**PICTURES AND INSTRUCTIONS WERE TAKEN FROM A 2010 DODGE. THE 2007.5 - 2009 DODGE INSTALLATION MAY DIFFER SLIGHTLY.**

1. Unplug the MAP sensor - located on the back side of the intake manifold. Unplug the EGR throttle butterfly harness - located on the bottom of the intake manifold (usually has a red locking tab).



2. Detach any wire harnesses that are clipped or bolted to the intake manifold. There is usually a 10mm bolt holding one on the back side of the intake manifold.



3. Using a flathead screwdriver, gently pry breather hose from valve cover and disconnect.



4. Loosen 2 factory clamps using an 11mm socket.



5. Remove single 10mm dipstick bracket bolt and remove 6 10mm intake manifold bolts.



6. Remove intake horn. Sometimes it helps to twist the intake horn to break it free from the factory coupler.



7. Remove factory intercooler pipe.



8. If installing **ONLY** the H&S Maxx Flow intake manifold, slide supplied 4" clamp and reducing coupler onto Maxx Flow intake manifold. Slide clamp onto coupler and tighten. Remove factory coupler that connects intercooler pipe to intake manifold (Note: Some models may have a permanent clamp on the coupler that will need to be cut off to allow coupler to be removed). If installing H&S Boost Tube, slide reducing coupler onto H&S boost tube. Slide supplied 4" clamp onto coupler and tighten at similar angle as shown below.



Maxx Flow Only

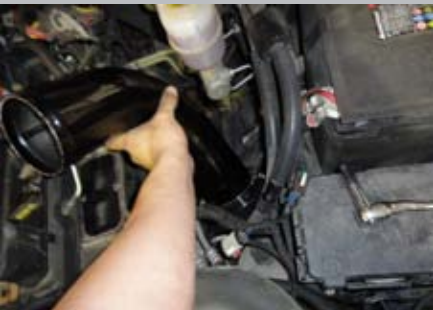


Maxx Flow With Boost Tube

9. Slide factory 3" clamp onto intercooler outlet.



10. Install H&S boost tube OR factory intercooler pipe on intercooler. Slide clamp onto coupler and tighten clamp slightly while still allowing tube to twist and slide.



11. If installing ONLY the H&S Maxx Flow intake manifold, slide the previously removed factory 3" clamp onto factory intercooler pipe. If installing H&S Boost Tube, slide supplied 4" clamp onto boost tube and slide the supplied 4" straight coupler onto boost tube.



12. Remove MAP sensor from factory intake manifold and install in H&S intake manifold.



13. Clean old gasket material off of head surface. Install new OEM gasket on head surface, sticky side down. Apply a small amount of grease to top side of gasket (helps prevent gasket from breaking if intake manifold must be removed again).



14. Install intake manifold. If installing H&S Boost Tube, slide a supplied 4" clamp onto intake manifold before installing. Slide bottom end of intake manifold into coupler and loosely install 2 long bolts (1 supplied) to hold intake manifold to head.



15. Press boost tube and intake manifold together. Center coupler between boost tube and intake manifold. Slide clamps onto coupler and tighten.



16. Tighten factory clamp on intercooler.





17. Install 3 short previously removed factory bolts on intake manifold and tighten all 5 intake manifold bolts. Torque bolts to 20 ft-lbs.



18. Reconnect valve cover breather and MAP sensor.



19. Remove 2 8mm bolts on valve cover.



20. Install supplied bracket using factory bolts. Tighten.



21. Using supplied hardware, bolt dipstick to previously installed bracket. Tighten. Make sure any wire harnesses left disconnected are routed free of moving parts. Your H&S tuning device will take care of any trouble codes related to unplugged harnesses.





## WARRANTY & DISCLAIMER

All Maxx Flow Intake Manifolds are considered high performance racing parts, and are intended and developed for non-street-legal, off-highway, closed course racing use ONLY!

Installation of this product on a non-sanctioned race vehicle, on ANY road, public or private, is STRICTLY PROHIBITED in the United States and Canada. This product may cause the vehicle it is installed on to exceed federal emissions limits, and therefore cannot be installed on any vehicle that has been certified or registered for highway use. Removing your emissions equipment, including but not limited to, exhaust gas recirculation(EGR), catalytic converter, or Diesel Particulate Filter(DPF), is against federal regulations set forth by the EPA, when not used for closed-course sanctioned racing. H & S Performance, LLC strongly recommends that all emissions equipment be left in place at all times on any vehicle that has been registered or certified for highway use. By purchasing or installing this high performance product, you release H & S Performance, LLC of any and all liabilities, and assume all responsibility for making sure your vehicle is compliant with all local, state, and federal emissions regulations. By installing this product you agree to these terms and conditions, and also acknowledge that installing a high performance product on your vehicle may void your manufactures warranty. By installing this product, you assume all risks and liabilities, including but not limited to, loss of vehicle warranty, fines, and/or civil penalties. By installing this product, you assume all associated risks and liabilities, and in no way will hold H & S Performance, LLC liable for any unlawful use, misuse, or consequential damages.

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