



# ***EGR/EGR COOLER DELETE KIT***

**INSTALLATION GUIDE**

**2007.5 - 2010 Dodge 6.7L Cummins 2500/3500**



# 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 EGR or EGR Cooler Delete Kit 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 EGR or EGR Cooler Delete Kit may void vehicle manufacturer's warranty. H&S Performance, LLC assumes no liability for misuse of its products. By installing the EGR or EGR Cooler Delete Kit, 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!

H&S Performance EGR delete kits are designed to be used in conjunction with an H&S Tuner. If you are installing this EGR delete kit without an H&S tuner, you will almost certainly get a Check Engine Light(CEL), as well as possible undesirable performance. If using ANY other brand tuner besides H&S, please contact your particular tuner manufacturer to determine if their tuning is designed to work in conjunction with an EGR delete kit.

## **TROUBLESHOOTING:**

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

# KIT CONTENTS



- 1** Three 5/16" X 1" Bolts & One 1/4" X 7/8" Bolt w/nuts & washers
- 2** One Threaded Stud
- 3** One Bracket Spacer & Bolt w/washer
- 4** One Bracket
- 5** One Coolant Line Plug w/O-Ring (09-10)
- 6** One Small Cooler Plate
- 7** One Large Cooler Plate
- 8** One Crossover Tube Plug
- 9** Two EGR Gaskets
- 10** One EGR Plate
- 11** One Brass Plug (07-08)
- 12** One Hose Clamp
- 13** One Threaded Coolant Plug

## WHAT YOUR KIT INCLUDES:

### **301001 - 07-08 EGR/Cooler Delete PICKUP & CAB/CHASSIS**

KIT CONTAINS: #6, #7, #9, #10, #11, #12, #13 (Steps 1 - 19)

### **301002 - 2007-2010 EGR Delete**

KIT CONTAINS: #8, #9, #10 (Steps 1 - 8)

### **301003 - 2007-2008 Cooler Delete PICKUP & CAB/CHASSIS**

KIT CONTAINS: #6, #7, #11, #12, #13 (Steps 9 - 19)

### **301004 - 2009-2010 EGR/Cooler Delete PICKUP & CAB/CHASSIS**

KIT CONTAINS: #1, #2, #3, #4, #5, #6, #7, #9, #10, #13 (Steps 1 - 30)

### **301005 - 2009-2010 Cooler Delete ONLY, PICKUP & CAB/CHASSIS**

KIT CONTAINS: #1, #2, #3, #4, #5, #6, #7 (Steps 9 - 30)

## STEP 1



## STEP 2

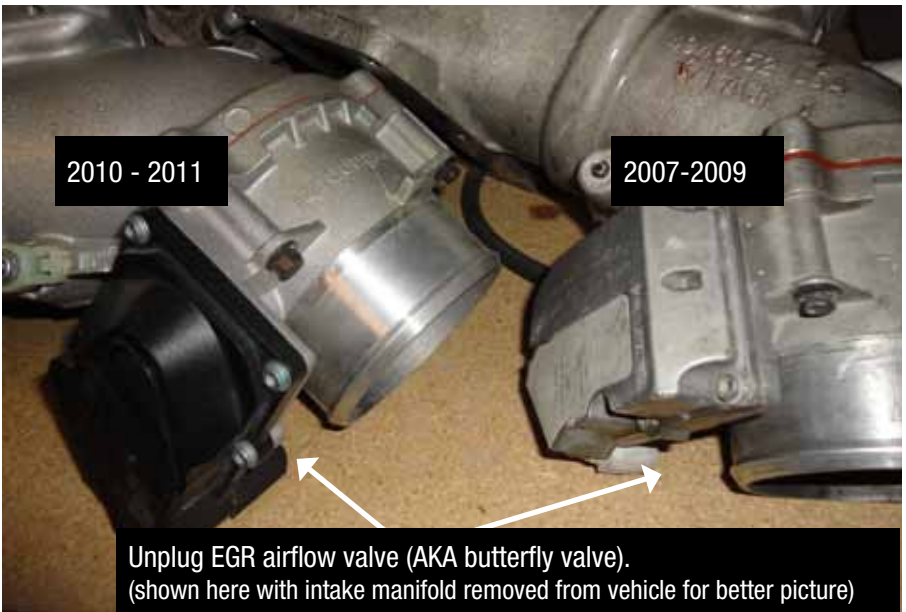


### STEP 3



Remove 4 - 10mm bolts in EGR housing, unplug EGR main harness

### STEP 4



Unplug EGR airflow valve (AKA butterfly valve).  
(shown here with intake manifold removed from vehicle for better picture)

## STEP 5



Loosen clamps on both sides of EGR crossover pipe, remove 1 - 8mm bolt in center of pipe (underneath)

## STEP 6



Remove crossover pipe and re-install 8mm bolt

## STEP 7



Replace gaskets (included) and install billet block-off plate with factory 10mm bolts

## STEP 8

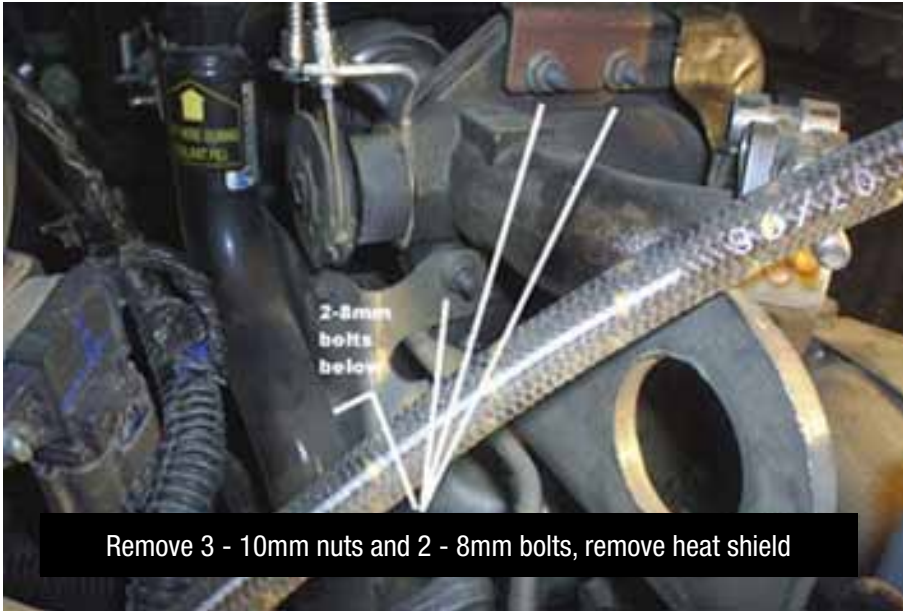


If installing cooler delete, skip to step 9. If only installing EGR delete, perform step 8, then STOP.



Install 2" billet block-off plug with factory clamp

## STEP 9



Remove 3 - 10mm nuts and 2 - 8mm bolts, remove heat shield

## STEP 10





## STEP 11



Remove 4 - 10mm bolts. If pick-up model install front block off plate with factory 15mm bolts. If cab & chassis model skip to next step.



## STEP 12



Remove 3 - 8mm bolts from top of servo, remove 4 - 10mm bolts and remove valve housing and servo motor plate



## STEP 13



Remove 2 - 15mm nuts and loosen clamp



## STEP 14



Remove CCV hose and coolant lines  
(it is normal for it to leak some coolant)

For 2010 vehicles, you may need to remove the lower bolt holding the forward coolant pipe to get enough movement to remove the pipe from the cooler. Be careful not to pull pipe off of the lower line or you will leak excess coolant.



## STEP 15



Remove 2 - 15mm nuts and remove EGR cooler

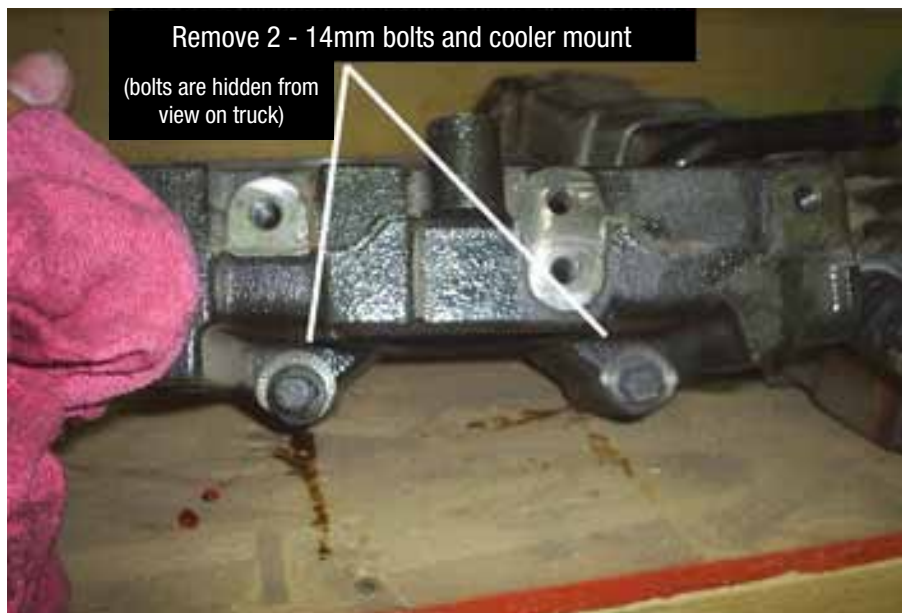


## STEP 16



Remove 2 - 14mm bolts and cooler mount

(bolts are hidden from view on truck)



## STEP 17



Install rear block-off plate



## STEP 18



Remove 1 - 1/8" coolant fitting



## STEP 19



Install threaded plug. For 2007 - 2008 models install brass plug in coolant line and you are finished. For 2009-2010 models continue on to step 20.



## STEP 20



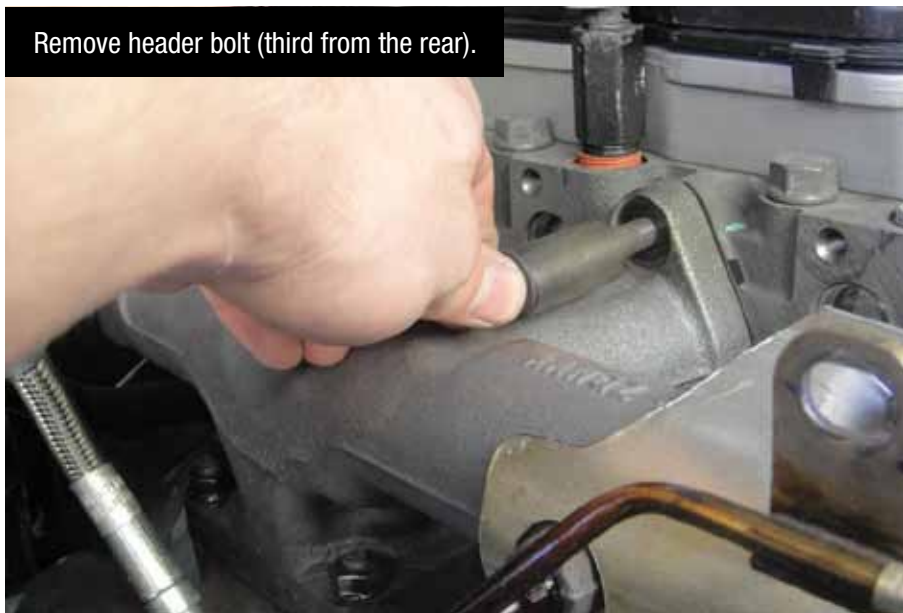
Install coolant plug into coolant pipe. It is recommended that you apply a thin coat of lubricant on the o-ring before installation. Ensure plug is pressed all the way in.



## STEP 21



Remove header bolt (third from the rear).



## STEP 22



Remove spacer from previously removed header bolt and install spacer on supplied header stud.



## STEP 23



Install header stud. Torque to 40-50 ft. lbs.



## STEP 24



Thread supplied spacer onto previously installed header stud. Tighten as tight as possible using fingers.



## STEP 25



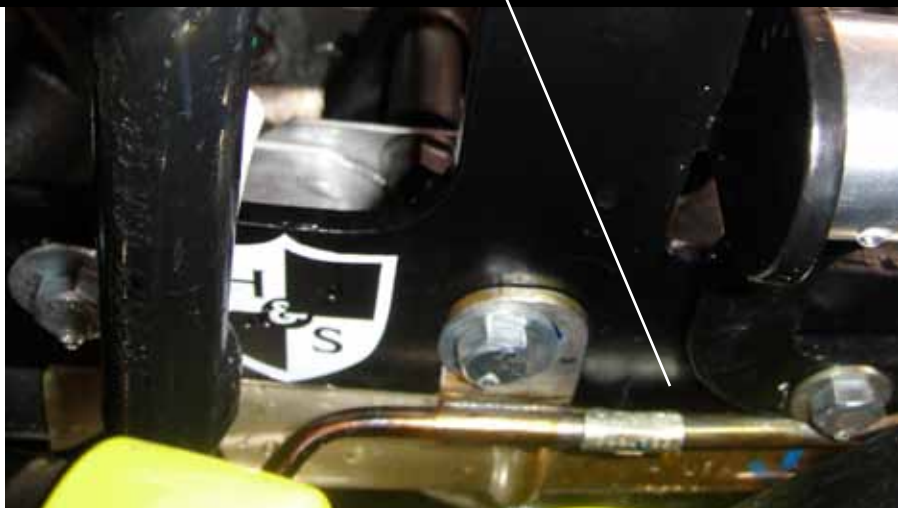
Using supplied M10 bolt and washer, bolt H&S bracket to spacer. Finger tight only, do not tighten at this time.



## STEP 26



Bolt H&S bracket to pressure line bracket using supplied 5/16" bolt, washers, and nut. Tighten nut/bolt until snug, not tight.





## STEP 27



Bolt H&S bracket to coolant pipe bracket using supplied 5/16" bolt, washers, and nut. Tighten nut/bolt until snug, not tight.



## STEP 28



Bolt transmission dipstick (Automatic Only) to H&S bracket using supplied 1/4" bolt, washers, and nut. Do not tighten at this time.



## STEP 29



Adjust H&S bracket and coolant pipe so that the plug and bracket are pressing against each other firmly. Tighten all bolts.



## STEP 30



Bolt crankcase breather pipe bracket to H&S bracket using supplied 5/16" bolt, washers, and nut and tighten.





All EGR Kits 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, mis-use, or consequential damages.

# BRING ON THE POWER



**H & S Performance, LLC**

**4160 South River Road  
St. George, UT 84790  
435-628-1730**

**WWW.HSPERFORMANCE.COM**