

INSTALLATION GUIDE



**SINISTER
DIESEL**

Fuel Rail Race Valve

2007.5-2012 Dodge Cummins 6.7L





WARNING: EMISSIONS LAWS

Not legal for sale or use on pollution-controlled motor vehicles anywhere in the United States. Legal ONLY for off-road competition racing vehicles and cannot be used on vehicles that are operated on public streets, roads, or highways.



DISCLAIMER

1) By installing this product onto your vehicle, you assume all risk and liability associated with its use.

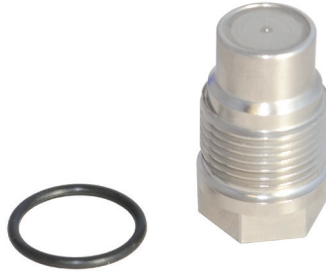
2) It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. Federal and many state and local laws prohibit the removal, modification or rendering in-operative of any part of the design affecting emissions or safety on motor vehicles used on a public street or highway. Violation may result in a fine of up to \$32,500 per vehicle (or possibly higher depending on changes in the law). All civil penalties and fines for removing your vehicle's emissions equipment are the sole responsibility of the end user.

3) Due to its high performance nature, this product may void vehicle manufacturer's warranty.

4) Sinister Mfg Company, Inc. is not responsible for misuse of its products. By installing this product, you release Sinister Mfg Company, Inc. of any and all liability associated with its use.

5) Depending on where you live, restrictions may apply. Check all applicable laws before installing or using!

6) The purchaser and end user releases, indemnifies, discharges and holds harmless Sinister Mfg Company, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Sinister Mfg Company, Inc. will not be liable for any direct, indirect, consequential, punitive, statutory, or incidental damages or fines caused by the use or installation of this product.



PACKING LIST:

<u>QTY.</u>	<u>Description</u>
1	Sinister fuel rail race valve
1	O-Ring

Required Tools:

- 10mm socket
- 12mm socket
- 18mm wrench
- Torque wrench (capable of 55 ft. lbs.)

If you have any issues regarding this product, or if it arrives with missing parts please contact Sinister Diesel directly at (888) 966-6543. Thank you.

IMPORTANT: READ ALL INSTRUCTIONS PRIOR TO INSTALL. Prior to installation, please compare the parts that you have received with the bill of materials provided on this page to assure that you have all the parts necessary for the installation.



CAUTION !!! Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

Step 1: Remove the dipstick.

Step 2: Remove the plastic cover from the top of the engine, held in place by four 8mm bolts. *(Image 1)*

Step 3: Locate the two clamps holding the EGR tube in place. Using an 11mm wrench remove the two clamps. It is not necessary to fully remove the EGR tube, simply rotate the tube out of the way, when doing so be very cautious to not damage the gaskets on either end of the tube. *(Image 2)*

Step 4: Remove dipstick tube bracket, held in place by one 10mm bolt. *(Image 2)*

Step 5: Remove the six 10mm bolts holding the air horn to the manifold. Slide the air horn forward out of the way for easy access of the fuel rail, again be very cautious to not damage the gasket.

Step 6: Remove the fuel pressure valve from the front of the fuel rail using an 18mm wrench. *(Image 3)*

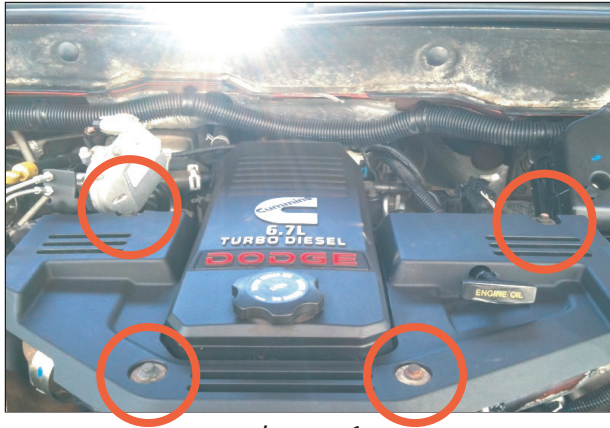


Image 1



Image 2



Image 3

Step 7: Apply petroleum thread lubricant to threads and install Sinister Fuel Rail Race Valve and tighten to 55 ft. lbs. (*Image 4*)

Step 8: Re-install the air horn to factory specifications. Use caution to align the bolt holes in the gasket with the bolt holes in the air horn.

Step 9: Replace the dipstick tube bracket back on the air horn.

Step 10: Re-position the EGR tube and tighten the two clamps to factory specifications.

Step 11: Re-install the plastic cover on top of the engine.



Image 4

More Great Parts for your 6.7 Cummins!

Shop SINISTERDIESEL.COM



EXHAUST TIPS

Made from 304 stainless steel for durability and long life, our Sinister exhaust tips fit any 4 and 5-inch tailpipes and widen to either 5 or 6-inch outlet with a rolled edge. Available in polished stainless, black ceramic, and our signature AR-15 design. **FROM \$55**



COLD AIR INTAKE

See what your Dodge truck can really do when you feed it the cold air it wants with our mandrel bent aluminum intakes. **\$359**



BYPASS OIL FILTER SYSTEM

Keeping your oil clean is what it all comes down to and this 6.7L Cummins Oil Bypass Kit from Sinister Diesel is designed to do that better than your factory oil system. **\$299**



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