

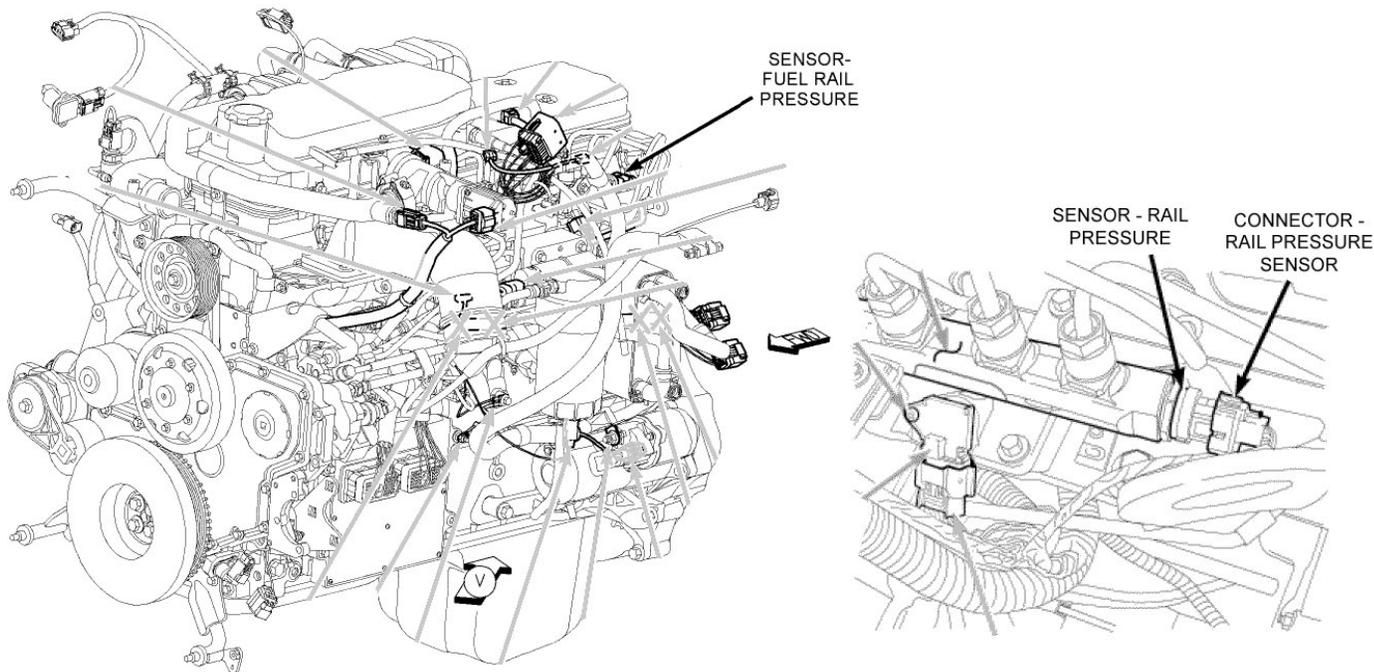


**Installation Manual v1.1:  
602-920-2326:  
Atomizer Power Module  
2007.5-2010 Dodge 6.7L**

**Please read all instructions before installation.**

**Note: Seal all soldered connections with heat shrink or electrical tape**

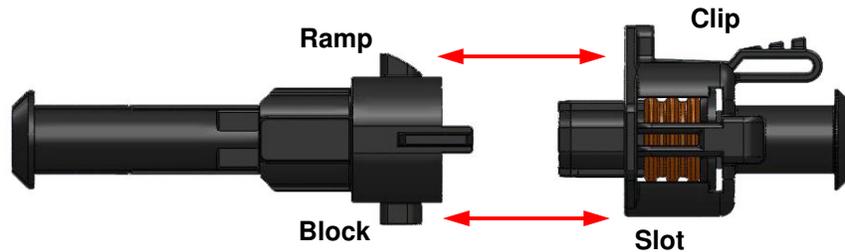
1. Disconnect the negative battery terminals and secure the leads away from the terminals.
2. Locate the fuel rail pressure sensor and connector. The factory rail pressure sensor is on the back of the fuel rail. If used with an ATS Twin CP3 Kit, it is located in the junction block installed near the factory fuel filter.



**Figure 1 - Rail Pressure Sensor Location**

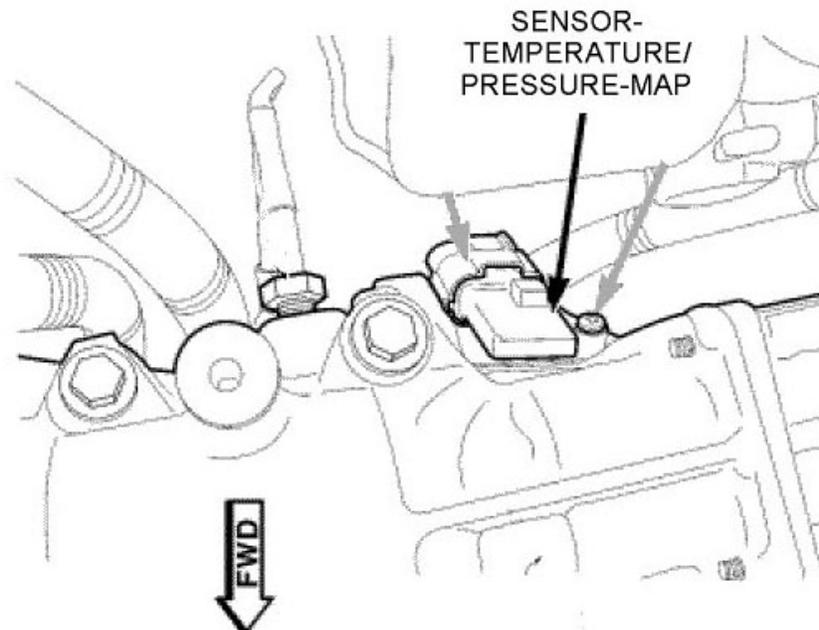
3. Remove the rail pressure sensor connector from the sensor. Plug the Atomizer harness into the rail pressure sensor and plug the factory harness into the other connector in that portion of the harness.

**NOTE:** Be sure to orient the rail pressure sensor connectors as show below. There is a ramp and clip that must be connected properly. The block on the opposite side will then slide into the slot of the opposing connector. If reversed, the truck will not idle properly and the engine will likely shut off.



**Figure 2 - Rail Pressure Sensor Connector Orientation**

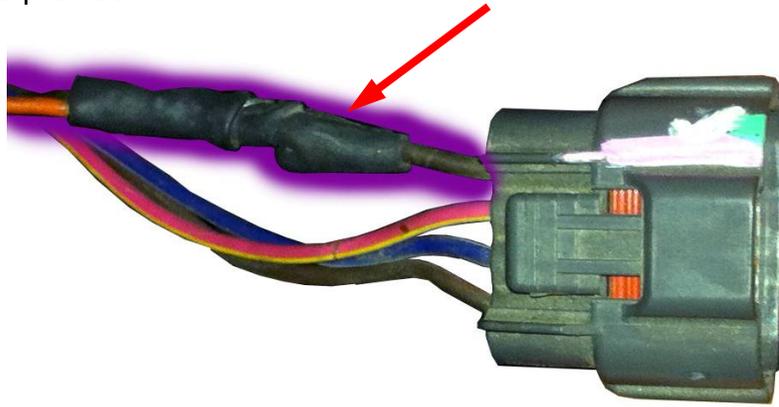
4. Locate the manifold absolute pressure (MAP) sensor. On pick-up models, it is located on the backside of the cast intake, below the EGR equipment. On cab and chassis models, the MAP sensor is located on the block by the fuel rail.



**Figure 3 - MAP Sensor Location (Pick-Up Models)**

5. Remove some of the wire shroud from the MAP sensor wires to expose the wires that run into the MAP sensor connector.

6. Tap the green wire from the atomizer into the brown wire (pin 1) using the hardware provided.



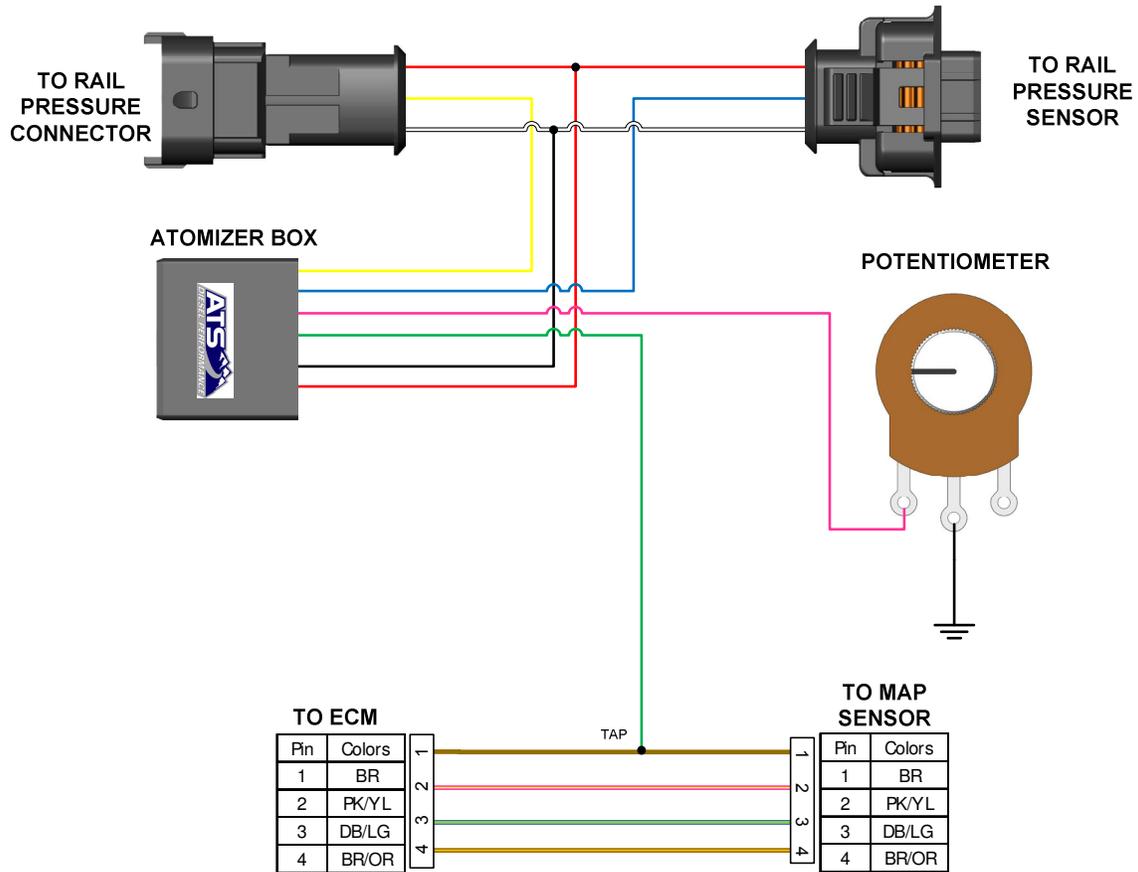
7. Installation can be completed in two different ways. If adjustability is desired, follow steps 8-15. If maximum performance is desired all the time, leave the pink wire unterminated, secure it away from any other electrical connections and skip to step 16.
8. Find a suitable location either under the hood or in the passenger compartment to install the variable switch. A bracket is included with kit and can be used to mount the switch on top of the dash, under the dash or wherever desired. The switch can also be mounted directly in the dash. For this option, a 3/8" hole will have to be drilled. If drilling in the dash, take care not do damage any wiring or other components inside the dash.
9. Once a location is found, remove the control knob using a 1/16" allen wrench and remove the nut and lock washer from the switch.
10. Apply the Atomizer switch sticker around the mounting hole, where it will be visible and in the desired orientation.
11. Locate the black wire on the variable switch and connect it to a good ground using the ring terminal provided.
12. Route the pink wire from the Atomizer harness to the location of the switch. Connect the wires using the connectors provided.
13. Secure the switch in the bracket or dash using the lock washer and nut.
14. Turn the switch to the full, counter-clockwise position. Reinstall the control knob on the switch with the indicating line pointing to the "0%" on the sticker.
15. Verify the switch is set to the lowest setting (turned fully counter-clockwise) and start the vehicle.
16. Reconnect the negative battery terminals.

17. Test-drive the vehicle to verify drivability and that the vehicle does not display a check engine light. If a check engine light is set, check the wiring to verify good connections.
18. When proper operation is verified, it is ok to increase the levels as desired.
19. Test-drive the vehicle to verify drivability and that the vehicle does not display a check engine light. If a check engine light is set, check the wiring to verify good connections.
20. When proper operation is verified, it is ok to increase the levels as desired.

**WARNING** If the Atomizer is used in conjunction with other performance electronics, it is possible to increase rail pressure to dangerous levels. ATS is NOT liable for damage to fuel injection components in the event that rail pressure is increased beyond safe limits. It is important ensure rail pressure does not exceed safe limits (27,500psi).



Atomizer Wiring Diagram v1.1  
07.5-10 Dodge 6.7L Cummins



## **Have Any Questions?**

Thank you for purchasing the Atomizer. Please check our website at <http://www.atsdiesel.com> for technical support and other performance products such as the 5-Star™ torque converter, ATS High Performance Valve Body and ATS High Performance Transmission along with our full line of power enhancers. Please call or e-mail our Technical Service Department, 8:00am to 5:30pm Mountain Standard Time, Monday through Friday.

### **Contact Information**

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We strive to make our instructions as clear and complete as possible. To achieve this, our instructions are under constant construction. We encourage you to visit our website to check for the most up-to-date manuals and diagrams as well as other information. If you have any suggestions as to how we can improve this installation manual, let us know at <mailto:Suggestions@ATSDiesel.com>.

### **Bill of Materials**

1. Atomizer Electronics and Harness 601-120-2326
2. Atomizer Variable Switch 3852A-282
3. Atomizer Switch Bracket
4. Atomizer Sticker
5. (4) 18-22 Butt Connector
6. (4) Piece of 1/8" Heat Shrink Tubing
7. #10 18-22 Ring Terminal IRR10
8. Instruction Manual 602-920-2326-INST