

## 1999.5 - 2002 Ford Super Duty 7.3L Power Stroke Intake Air Heater Delete Plug

The IAH is not used for anything other than the purpose of reducing white smoke at idle on a cold engine. There are specific parameters that have to be met in order for the heater to turn on. These would include that ambient air temperature being below freezing, the oil temperature has to be below 131 degrees Fahrenheit and having the vehicle in park. By removing this system, it allows an accurate boost reading without permanent modification to your truck.

1. Disconnect the negative side of both batteries.
2. Locate the Intake Air Heater (IAH) on the cold side of the intake on the passenger side.



3. There is a power wire that runs from the IAH down to the solenoid. This is the main power wire for the Intake Air Heater Element. Using a 13mm wrench, remove the nut and washer from the solenoid and disconnect the power wire from the solenoid. This power wire is what energizes the heater element.  
**Note:** Ensure that the additional power feed wire that is not connected to the IAH is installed back onto the solenoid and secured with the washer and nut.



4. Using a 10mm wrench, remove the captured nut and power wire from the stud on the IAH. Once this has been removed, you can then remove the power wire from the IAH.



5. Remove and set the ceramic insulator from the IAH stud to the side and remove the ground wire from the IAH.
6. The ground wire coming from the IAH connects to a grounding location under the intake manifold. Use a 13mm wrench and remove the retaining nut and disconnect the ground wire.
7. Use a 1" wrench to remove the IAH assembly from the intake.
8. Thread and tighten the Intake Air Heater Delete Plug into the intake using a 1 1/16" wrench.



9. If you are installing a boost pressure sensor or a boost line into this 1/8 NPT port, be sure to use Teflon tape on the threads of the boost pressure sensor or boost line. If the factory plug is being used, be sure to use Teflon tape on the male threads and tighten the plug using a 5mm Allen key.
10. Reconnect the negative battery cables to both batteries.
11. Start the vehicle and be sure to check for any leaks.