



Air Intake Heater (AIH) Plug

User Guide

The Air Intake Heater (AIH) found in '99.5 and up 7.3 Powerstroke (Not for F650/F750) blocks approximately 20% of the airflow through the intake manifold (Figure 1). The eliminator plug (Figure 2) allows for increased airflow and better combustion. The plug has the correct thread type, and length.

The Boost Gauge Plug for Boost Gauge (Figure 4, when purchased) is drilled, and tapped. It also includes the Boost gauge fitting to allow you to connect your boost gauge to the Air Intake Horn with 1/8" line.

Why is the AIH installed in my vehicle and when will it operate?

"To reduce white smoke during long idle periods at low ambient temperatures, the PCM will activate the intake air heater. Specific conditions must be present before the heater is activated:"

- ambient temperature must be below 0 deg C (32 deg F)
- engine oil temperature must be below 55 deg C (131 deg F)
- vehicle power must be between 11.8 and 15 volts
- parking brake must be applied on manual transmission vehicles
- the transmission must be on park or neutral on automatic transmission vehicles
- glow plugs must be off

Installation Instructions

The AIH Module is located in the intake manifold just left of where the turbo exists into the manifold. It is powered by two connecting wires and has a ceramic insulator. Begin with removing the red (hot) wire at the solenoid (Figure 3), Black (ground) wire and Red wire from the AIH. Reinstall the Blue wire at the solenoid and tighten nut. This insures the PCM does not set a code. Now remove the AIH by unscrewing the big nut that holds it to the air "Y" horn. The new plug fits easily in its place (Figure 2).

DO NOT OVERTIGHTEN. Only snug this plug as it seals with a rubber washer.

Note: Order the P0541-E Code Eliminator to avoid any codes stored in your PCM

THIS IS A HIGH PERFORMANCE PRODUCT. USE AT YOUR OWN RISK.

Do not use this product until you have carefully read the following agreement.

This sets forth the terms and conditions for the use of this product. The installation of this product indicates that the BUYER has read and understands this agreement and accepts its terms and conditions

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The **SELLER** recommends that the **BUYER** temporarily remove this product from his/her vehicle when having the vehicle serviced by a dealership or other service facility. Failure to do so may cause erroneous diagnostic readings or misdiagnosis of vehicle problems. The **SELLER** assumes no liability for failure to do so.

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Under no circumstances will the **SELLER** be liable for any damage or expenses insured by reason of the use or sale of any such equipment.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN TEN (10) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

AFTERMARKET PRODUCTS AND YOUR VEHICLE'S WARRANTY

Many of our customers ask, "Will your product void my vehicle manufacturer's warranty?" While the answer is straightforward from a legal standpoint, we also want to educate our customers (and aftermarket Consumers) on some industry realities and offer some common sense precautions to minimize your risk.

Consumers of aftermarket products are protected by The Federal Magnusson-Moss Warranty Act. The Act states that if something breaks on your car and you take it in for warranty repair, the dealer must honor your warranty unless they can prove that whatever modifications you have added to your car actually caused the problem.

While as a consumer, you have strong legal protection with regards to your vehicle's warranty, there is also a practical reality that different automotive manufacturers and dealers have greatly varying views on aftermarket products, in particular those that produce horsepower, such as performance enhancement chips, modified intake manifolds, or aftermarket exhaust systems. There are dealers and manufacturers out there that will use the presence of a horsepower upgrade to void your vehicle's warranty. They will do this regardless of whose product you are using. Any aftermarket company that does not acknowledge this is misleading you.

The bottom line is that while the law protects the consumer and provides for enforcement of the warranty, it is very difficult for most people to hire an attorney and fight a voided warranty. Dfuser.com recommends that you always disconnect and remove your module and monitor when you take your vehicle to a dealer for warranty work in order not to interfere with Diagnostic equipment.

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(Figure 1) AIH Removed



(Figure 4) Air Heater Plug with Boost Gauge Fitting



(Figure 2) Plug Installed "Plug may differ in appearance"



(Figure 3) Solenoid



Intake with Heater Installed



Intake with Heater removed



Questions: Send email to Support@dfuser.com

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