

**SUBJECT: Fuel Filter Base and Hand Primer Seal Kit**

Alliant Power has released a kit AP0029 used to reseal the fuel filter base and hand primer pump on 6.6 L Duramax® engines. The purpose of this kit is to provide an option to repair, rather than replace, the fuel filter base. The kit will provide new lip seals for the hand primer, a new O-ring for the hand primer seal carrier, new O-rings for the fuel heater, a brass bleeder screw and an O-ring for the bleeder screw.

**AP0029 Contents**

The fuel supply system on the 6.6 L Duramax engine is a suction type system. This means a leaking fuel filter base will allow air to be pulled into the system. A leaking fuel filter base will not leak fuel externally. To diagnose a leaking fuel filter base, install clear hoses at the inlet and return ports of the fuel filter base. If solid fuel is going in and aerated fuel is coming out, the filter base is leaking. The fuel restriction after the filter should also be measured. A restricted fuel filter could cause cavitation in the fuel coming out of the filter base, which could be mistaken for aeration.

**Note:**

- The hand primer and the fuel heater assemblies are under spring pressure. Use care when removing these items.
- The seals for the hand primer must be installed in the correct orientation for proper hand primer operation (refer to the photo on the right). Refer to the instructions supplied with the kit for detailed installation information



For more information visit  
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