

High Pressure Fuel Pump & Vacuum Pump Upgrade Kit EA888 Gen 3 1.8T/2.0

**034 MOTOR SPORT**

Audi MLB 2.0T B9 A4/A5/Q5 and Volkswagen Golf/Alltrack/Sportwagen 1.8T vehicles come with a weak-performing, sealed HPFP unit from the factory and a vacuum pump that can't accept High-Pressure Fuel Pump upgrades from their higher-performing MQB 2.0T siblings. We solve these deficiencies with the introduction of our High Pressure Fuel Pump Upgrade & Vacuum Pump Kit!

Installation Spiciness Rating: MILD



Installation of your HPFP & Vacuum Pump Upgrade Kit is a very straightforward process that should take approximately 1-2 hours.

Supplied Parts:

- 034 HPFP, OE Vacuum Pump, Hardware & Gasket

Tools Needed:

- 17mm Wrench
- Torque Wrench
- T30 Torx Bit
- 10mm Triple-Square Bit
- 10mm Socket
- Small Flathead Screwdriver and Pliers
- Rags to dry fuel spillage

Getting Started

Confirm you have received all the parts included with your purchase by reading the complete guide, if there are missing components, please contact: techsupport@034motorsport.com

About This Guide

This Install Guide documents the installation process on a B9 Audi A4. There may be minor differences depending on specific vehicle, market, options, etc.

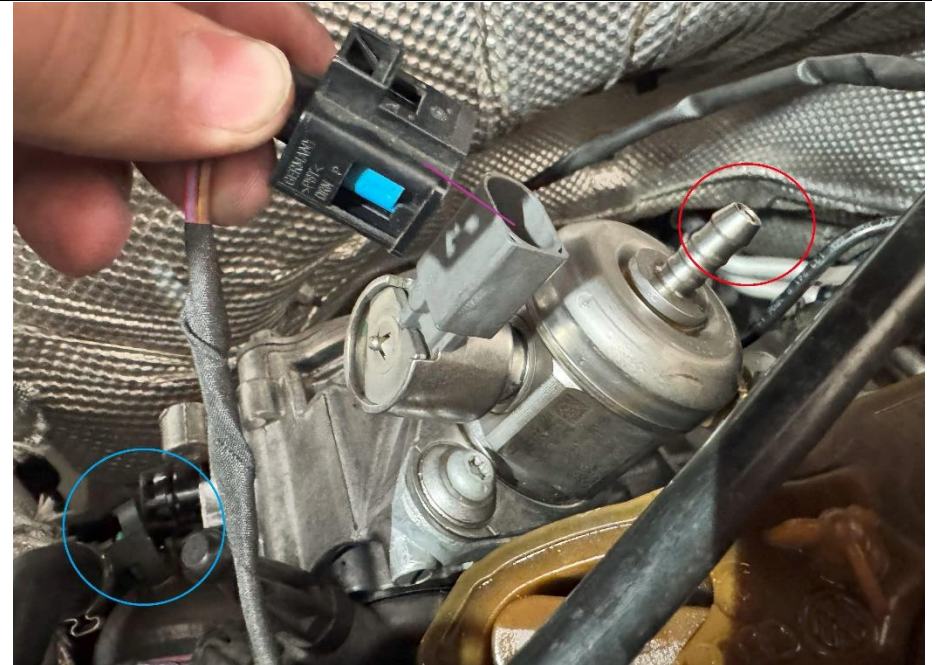
Install Steps

Step 1: Open the hood of your car and take off the engine cover to locate your fuel pump. On the B9 A4, it is near the firewall on the left-hand side, looking towards the engine.



Step 2: Remove the following items from the pump(s).

- The fuel hose on top of the fuel pump, using pliers (circled red).
 - o Caution. The fuel system is under pressure. Wear protective eyewear, gloves, and place rags around the connection points you are removing.
- The sensor connector. A flathead can help push down the tab (purple line).
- The vacuum pump hose by pressing the clips (circled blue)



Step 4: Remove the hardline connection with a 17mm wrench.

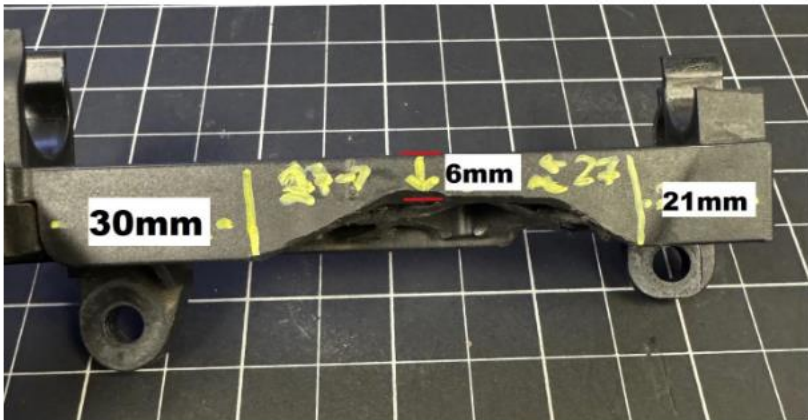




Step 5: Remove the black bracket on the back of the vacuum pump that supports the soft fuel line. Use a T30 Torx bit to remove it. We need to modify it to install on the upgraded vacuum pump.

We will want to Dremel out the front face of the bracket. This is roughly how much material you want taken off. Originally the bracket was about 14.50mm tall. We will want the center section shown below to taper to about 6mm in height.

Start at 21mm from the right edge, working towards the center point of our taper, which is 27mm further in. Keep going in the same arc for another 27mm towards the left side.



Step 6: Remove the three 10mm bolts holding the vacuum pump assembly onto the engine.

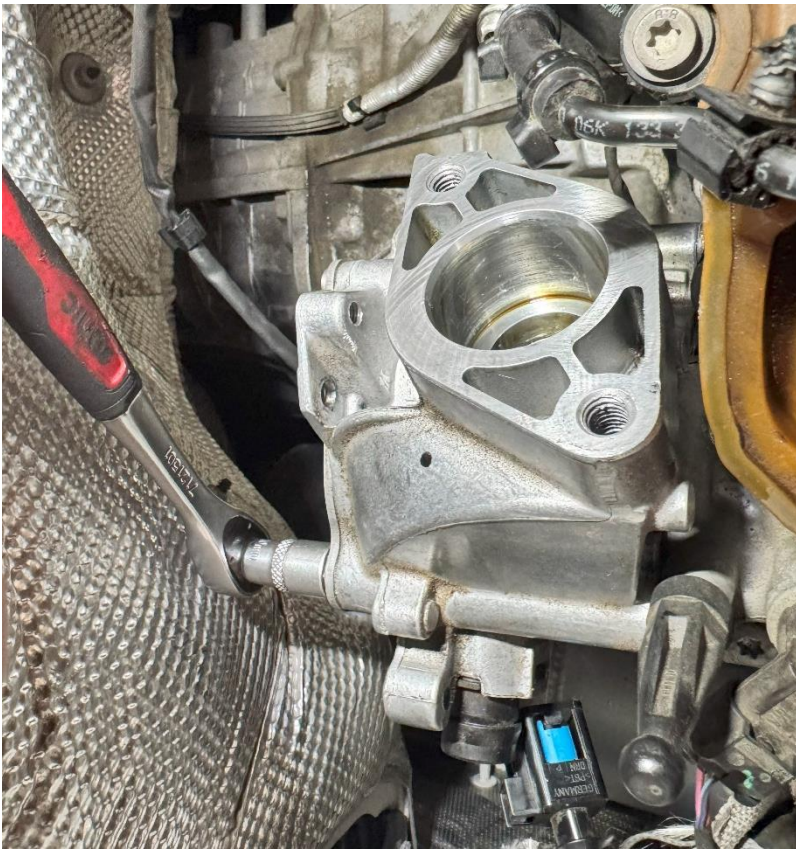


Step 7: Remove the assembly! Don't forget to grab the gasket as well.



Step 8: The installation is the same but in reverse order. Find your new 034 HPFP, Vacuum Pump, hardware and gaskets. The longer bolts are for the vacuum pump, the shorter bolts are to mount the fuel pump onto the vacuum pump.

Step 9: Install your new vacuum pump and gasket with a 10mm socket. Torque to 8Nm + 180 deg.



Step 10: Reattach the vacuum pump hose.



Step 11: Install the 034 HPFP using the supplied 10mm triple-square bolts. Slowly alternate between both sides until it is flush in its mating face. Torque to 25Nm.



Step 12: Connect the fuel hose to the top fuel pump barb.



Step 13: Connect the sensor plug.



Step 14: Attach the hardline to the pump using the 17mm wrench.



Step 15: Finish by reattaching the modified bracket to the vacuum pump using the T30 torx bolts. Fit your hose line back into it, and you're done!



