

2.0T Fuel Pump Piston Upgrade**034 MOTOR SPORT**

034Motorsport's Fuel Pump Piston Upgrade is a relatively easy way to yield up to 50% flow increase over the factory HPFP. With a DLC coated piston and cylinder, these high-precision machined internals allow for reduced friction and increased performance, and will meet the demands of E85 optimized tunes

Installation Spiciness Rating: MILD

Installation of your 034Motorsport Fuel Pump piston upgrade is a straightforward process that will take approximately 30 minutes to complete.

Supplied Parts:

- Fuel pump piston
- Fuel pump piston sleeve

Tools Needed:

- M9 Triple-square bit
- 17mm Wrench
- T30 Torx Bit
- Flathead Screwdriver
- Pliers

About This Guide

This Install Guide documents the installation process on a B8 Audi A5. There may be minor differences depending on specific vehicle, market, options, etc.

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:

customerservice@034motorsport.com

Install Steps

Step 1

Open the hood. If you have an engine cover on, remove it by pulling up on it.



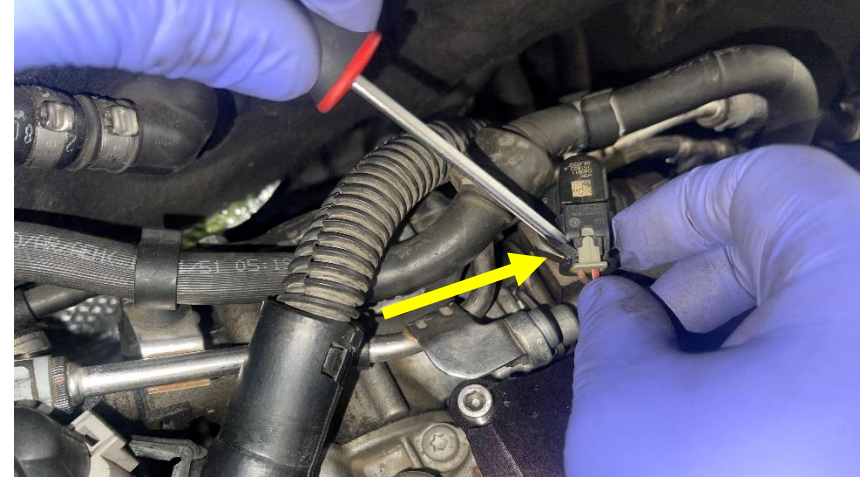
Step 2

Place a rag under the fuel line to catch any runaway fuel.



Step 3

Using a small flathead screwdriver, disconnect the connector from the HPFP.



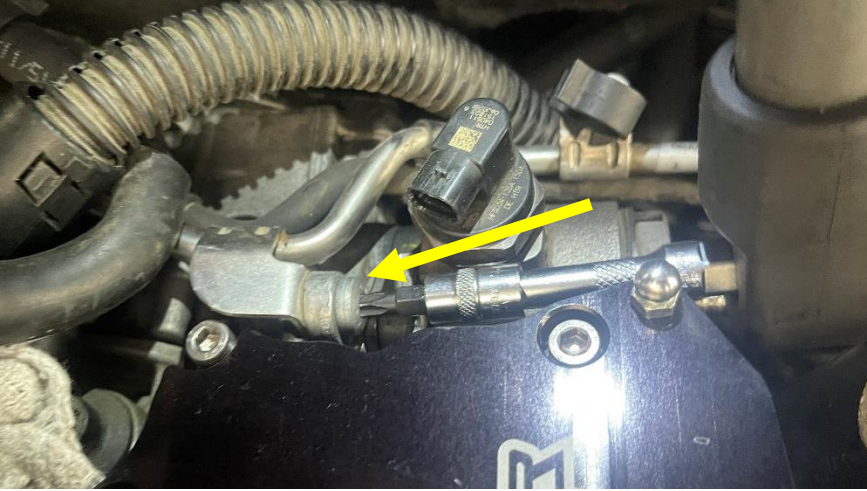
Step 4

Using a set of pliers, remove the clamp from the fuel hose and disconnect the line from the HPFP.

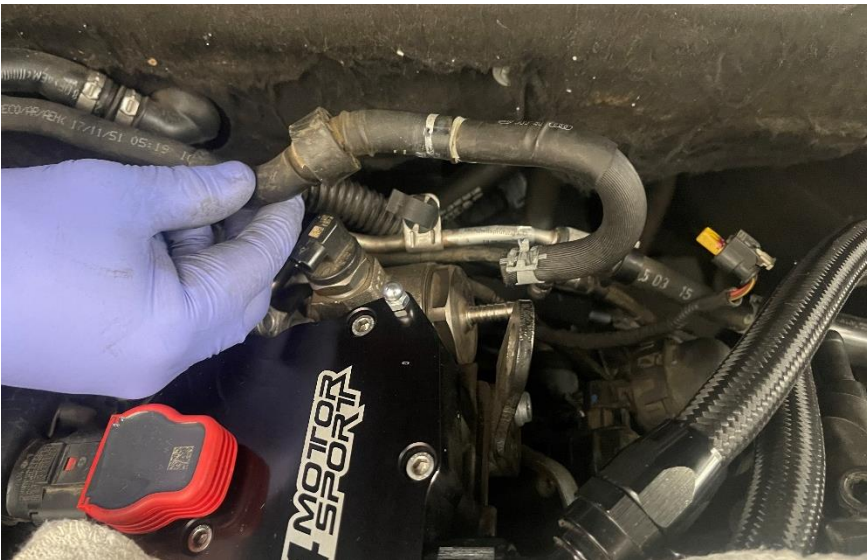


Step 5

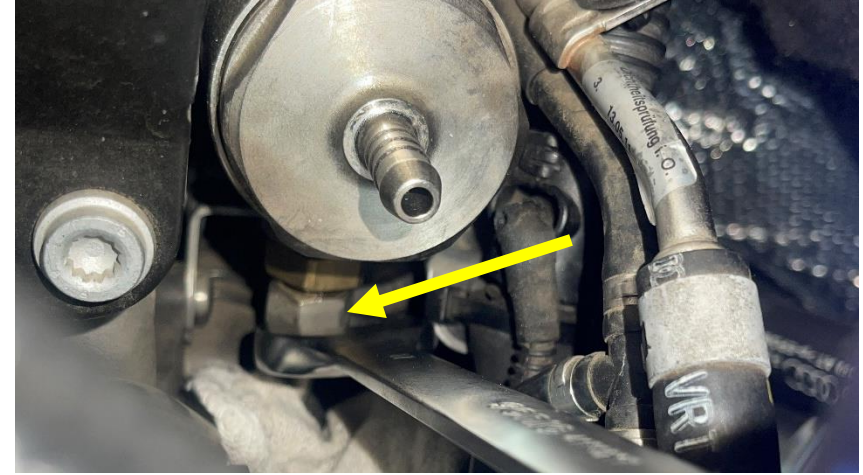
Using a T30 Torx it, remove the bolt from the fuel line bracket.

**Step 6**

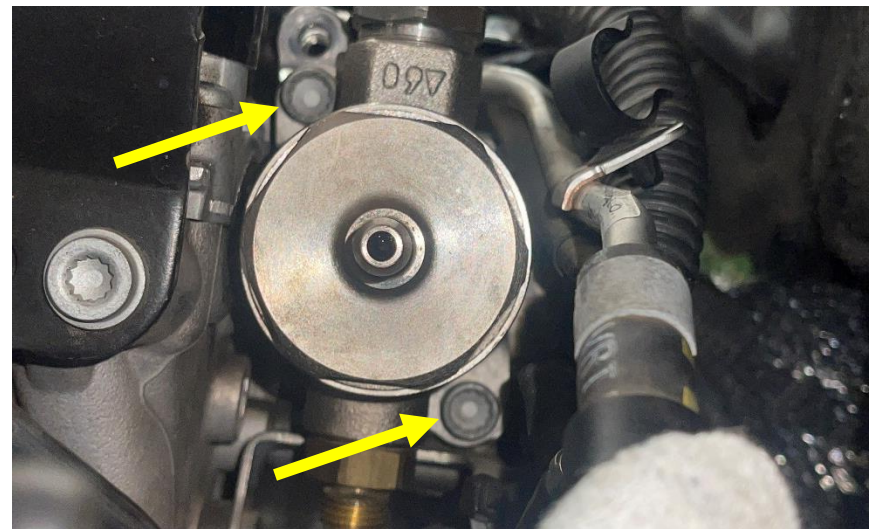
Turn the fuel hose counter-clockwise, away from the HPFP.

**Step 7**

Using a 17mm wrench, disconnect and separate the hardline fitting from the HPFP.

**Step 8**

Using an 9mm triple-square bit, remove the 2 bolts securing the HPFP to its housing and extract the pump.



Step 9

Extract the fuel pump from the housing.

Step 10

Using a flathead, remove the spring retainer from the fuel pump piston.



(3.0T fuel pump assembly shown up to Step 23)

Step 11

Remove the fuel pump spring.



Step 12

Extract the piston from the fuel pump.



Step 13

Put the pump in a vice, protecting the pump with a rag.

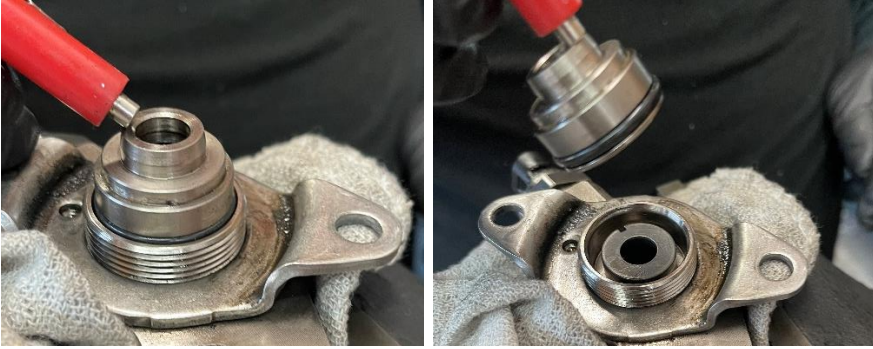
Step 14

Using a specialty tool, remove the retaining nut.



Step 15

Use a magnet to remove the upper sleeve.



Step 16

Use a magnet to remove the lower sleeve.



Step 17

Swap in the 034 lower piston sleeve.



Step 18

Insert the new piston into the HPFP assembly.



Step 19

Reinstall the factory upper sleeve over the piston.



Step 20

Reinstall the retaining nut to the HPFP assembly.

**Step 21**

Pull the piston shaft up as far as it will travel.

Step 22

Install the spring over the piston shaft.

**Step 23**

Reinstall the spring retainer

**Step 24**

Lubricate the o-ring interface before reinstalling back into the housing.

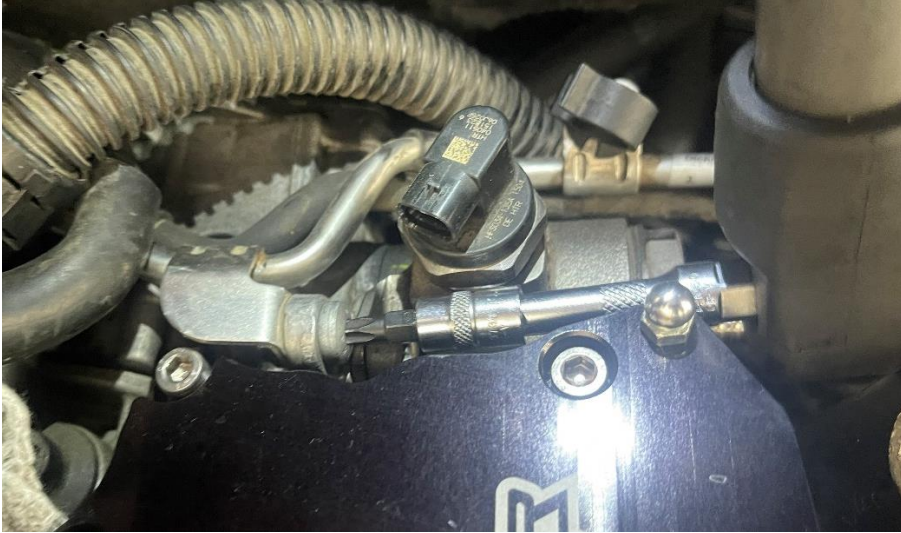
Step 25

Using a 9mm triple-square bit, reinstall the 2 bolts securing the HPFP to its housing. Torque to **20Nm**.



Step 26

Using a T30 Torx, secure the HPFP bracket to the engine.

**Step 27**

Using a 17mm wrench, reconnect the hardline to the fuel pump. **Torque to 27Nm.**

**Step 28**

Flip the fuel hose back into its' previous position and attach the fuel hose to the HPFP. Secure it with the hose clamp.

**Step 29**

Plug the connector into the HPFP.



Step 30

Start your car and check for fuel leaks.

Step 31

You are done! Enjoy your new 034 upgrade to your fueling system.

