

High Pressure Fuel Pump Piston Upgrade Kit  
EA888 Gen 3 2.0T Engines

**034 MOTOR SPORT**

The 034Motorsport High Pressure Fuel Pump Piston Upgrade Kit is designed to be a drop-in replacement piston for the factory high pressure fuel pump for the EA888 Gen 3 2.0T Engines found in the MK7/7.5 Volkswagen GTI/GLI/R, 8V/8V.5 Audi A3/S3, and 8S Audi TT/TTS.

**Installation Spiciness Rating: MILD**



Installation of your MQB Fuel Pump Upgrade is a straightforward process that should take approximately 30 minutes to complete.

**Supplied Parts:**

- 034 Fuel Pump Assembly

**Tools Needed:**

- 17mm Wrench
- 10mm Triple-square bit
- Pliers
- Small Flathead Screwdriver
- M4 Allen bit
- 15mm Socket (Thin-walled for NPT plugs)

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](mailto:customerservice@034motorsport.com)

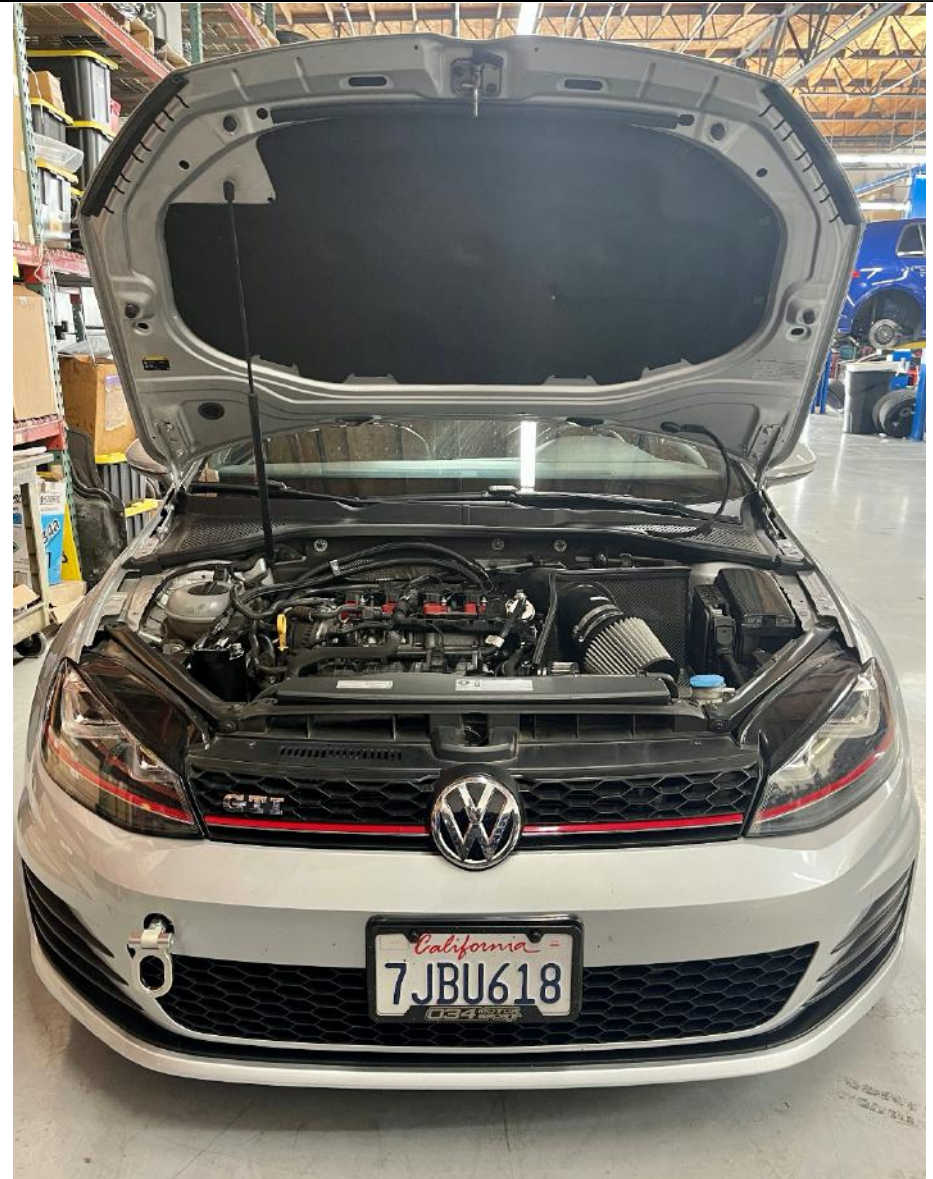
About This Guide

This Install Guide documents the installation process on an MK7 VW GTI. There may be minor differences depending on specific vehicle, market, options, etc.

## Install Steps

### Step 1

Open the hood of your car.



Step 2 (Optional)

Using a flathead screwdriver or wrench, loosen the hose clamps on the intake hose and set the hose aside.



**Step 3**

Law down a few rags to catch any fuel spillage.

#### **Step 4**

Using a flathead screwdriver, disconnect the fuel pump sensor.



#### **Step 5**

Using a pair of pliers, loosen the clamp on the fuel line and remove the line. Beware of fuel while relieving the pressure!



**Step 6**

Using a 17mm wrench, loosen the nut on the hardline fitting.

**Step 7**

Using a 10mm Triple-square, remove the hardware securing the fuel pump to the block.

**Step 8**

Remove the factory fuel pump assembly from the block. We found that using a counter-clockwise motion will help separate the fuel pump from the hardline.

**Step 9**

Secure the fuel pump in a vise.



### Step 10

Using the fuel pump piston socket, extract the piston assembly.



### Step 11

Place a deep socket over the piston head and an M4 Allen bit on the opposite end. Put the whole assembly into a vise. Compress the spring to remove the piston retaining clips.



### Step 12

Remove the factory piston and sleeve and swap in the 034 components.

**Step 13**

Insert the spring over the piston shaft.

**Step 14**

Lightly compress the spring and install the 034 washer.

**Step 15**

Again, place a deep socket over the piston head and an M4 Allen bit on the opposite end. Put the whole assembly into a vise. Compress the spring to reinstall the piston retaining clips.

**Step 16**

Using the fuel pump piston socket, reinstall the piston assembly. Sorry, there is no torque value for this; make sure that it can't be removed by hand.

**Step 17**

Install the 034 Fuel Pump Upgrade into the stock location. Use a clockwise rotation to engage with the hardline.



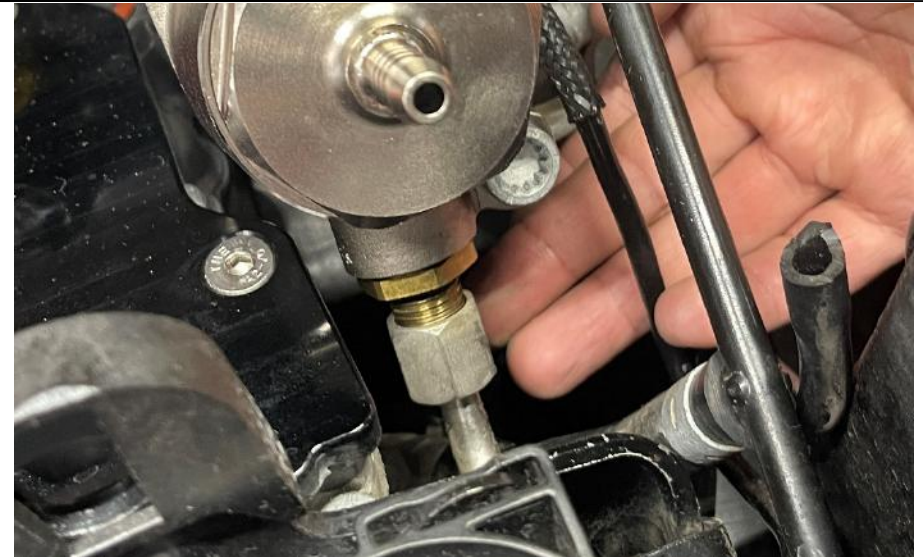
#### Step 18

Using a 10mm Triple-square, reinstall the fuel pump to the block.



#### Step 19

Using a 17mm wrench, tighten the nut on the hardline fitting.



#### Step 20

Reinstall the fuel line to the fuel pump. Using a pair of pliers, secure the clamp on the fuel line.



#### Step 21

Reinstall the fuel pump sensor.



**Step 23 (Optional)**  
Reinstall the intake hose if you removed it.



**Step 24**

Close your hood and you are good to go! Enjoy the increased fueling capabilities.

