

PERFORMANCE BY



INSTALLATION GUIDE

IE HPFP INTERNAL UPGRADE KIT B9 S4/S5/SQ5

IEFUVZ1



This installation guide is for instructional purposes only. For best results, professional installation by an experienced technician is always recommended. By reading this guide you agree Integrated Engineering is not responsible for any damage or personal injury caused by incorrect installation.

DIFFICULTY



Expect 2-3 hours on average

REQUIRED PARTS

- No additional parts are required for this install

REQUIRED TOOLS

- 17mm socket
- Pliers
- 14mm socket
- #10 Triple Square
- Ratchet extension
- Press
- IE HPFP Assembly Tool (IEFUVZ1-4)
- 1/2 in adapter or 1/2 ratchet for Assembly Tool

BEFORE YOU BEGIN

It is highly recommended to pre-read this entire guide ahead of your installation to familiarize yourself with each step. Always park your vehicle in a safe and level location and allow plenty of time for the engine bay and exhaust to completely cool. Locate and prepare your work space with each required tool listed above. Unbox all components and verify the contents and quantities before you begin. If anything is missing or damaged, please contact us for immediate help at support@performancebyie.com

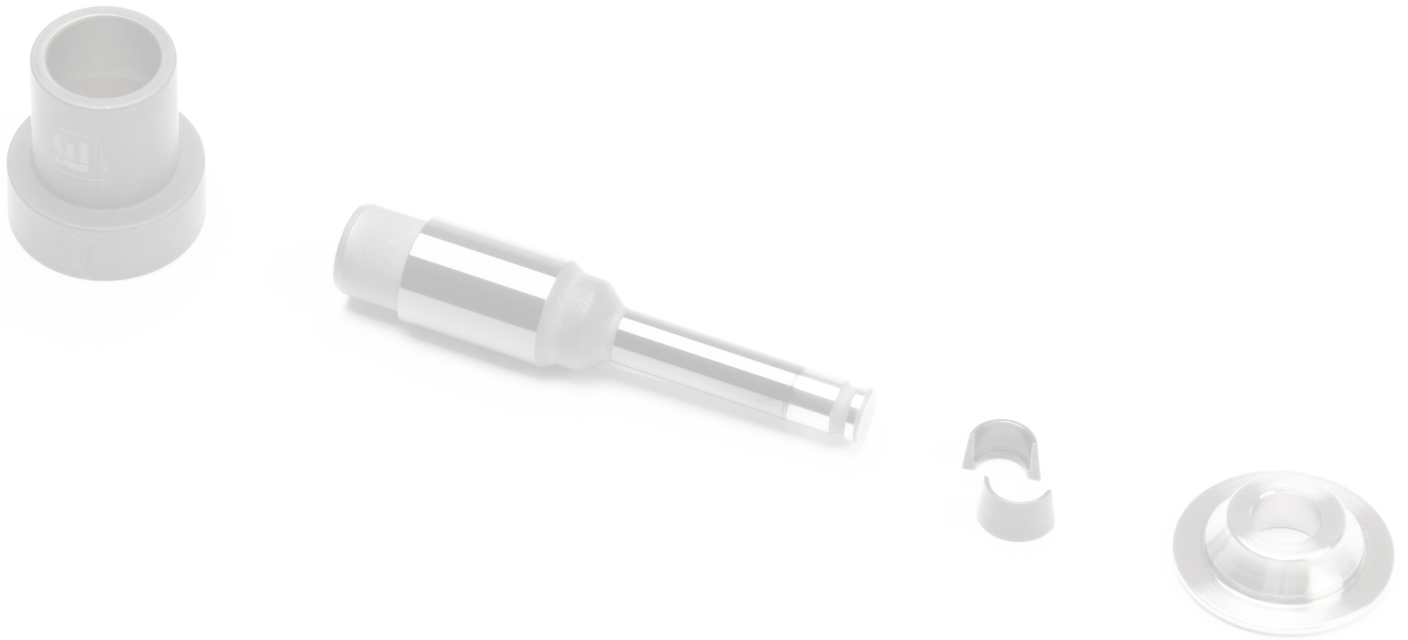
SPECIAL NOTE:

This install guide has been photographed and written on a 2018 Audi S4. Some steps and factory hardware specifications may vary depending on vehicle model, year, and region. This guide is for reference purposes only. If you are unsure of the installation procedure for any individual step or part, please seek professional help before proceeding.

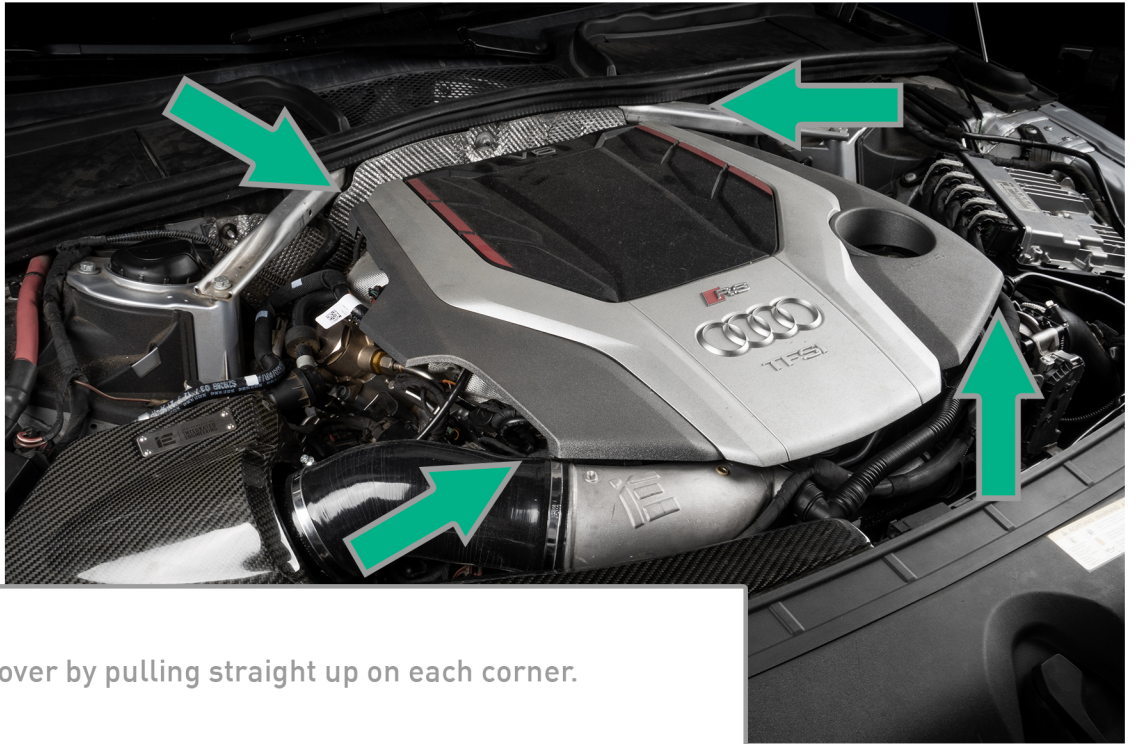


INCLUDED PARTS

- 01 - HPFP TITANIUM SPRING RETAINER (1X)
- 02 - HPFP DLC COATED TOOL STEEL PIN (1X)
- 03 - HPFP NITRIDED TOOL STEEL CYLINDER (1X)
- 04 - HPFP KEEPER (2X)



1



Loosen engine cover by pulling straight up on each corner.

2



Remove engine cover.



3



Place rag over fuel supply line and remove clamp using pliers.

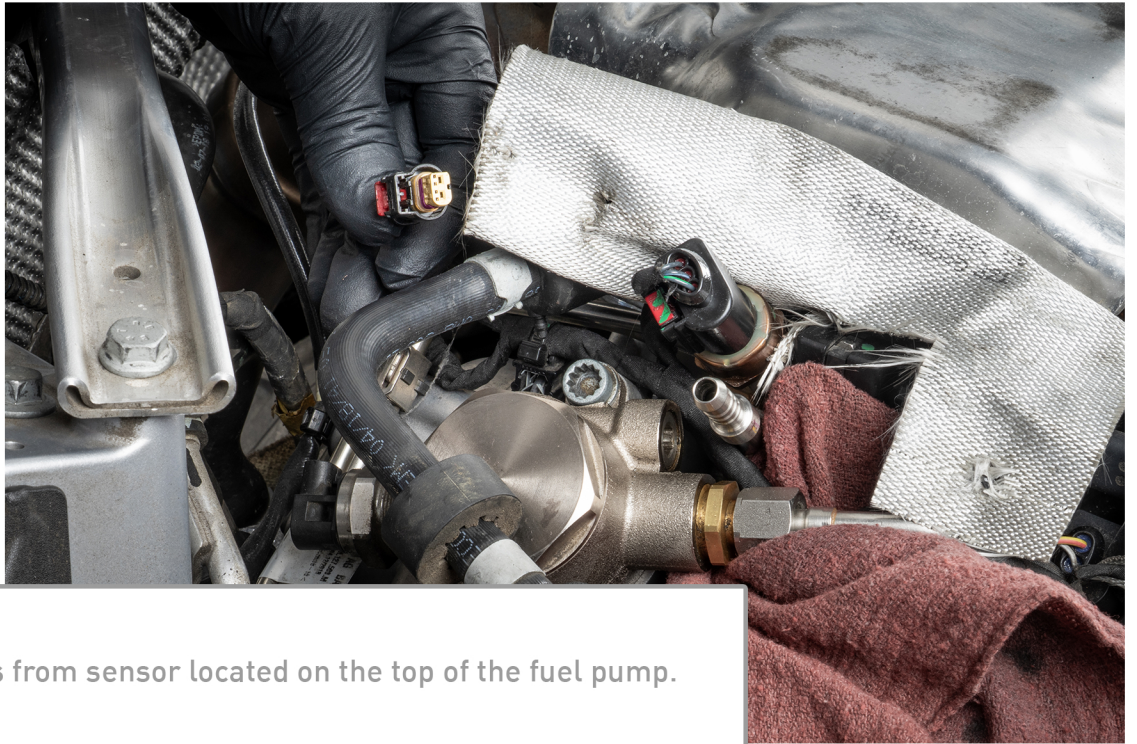
4



Remove fuel supply line from Fuel Pump.

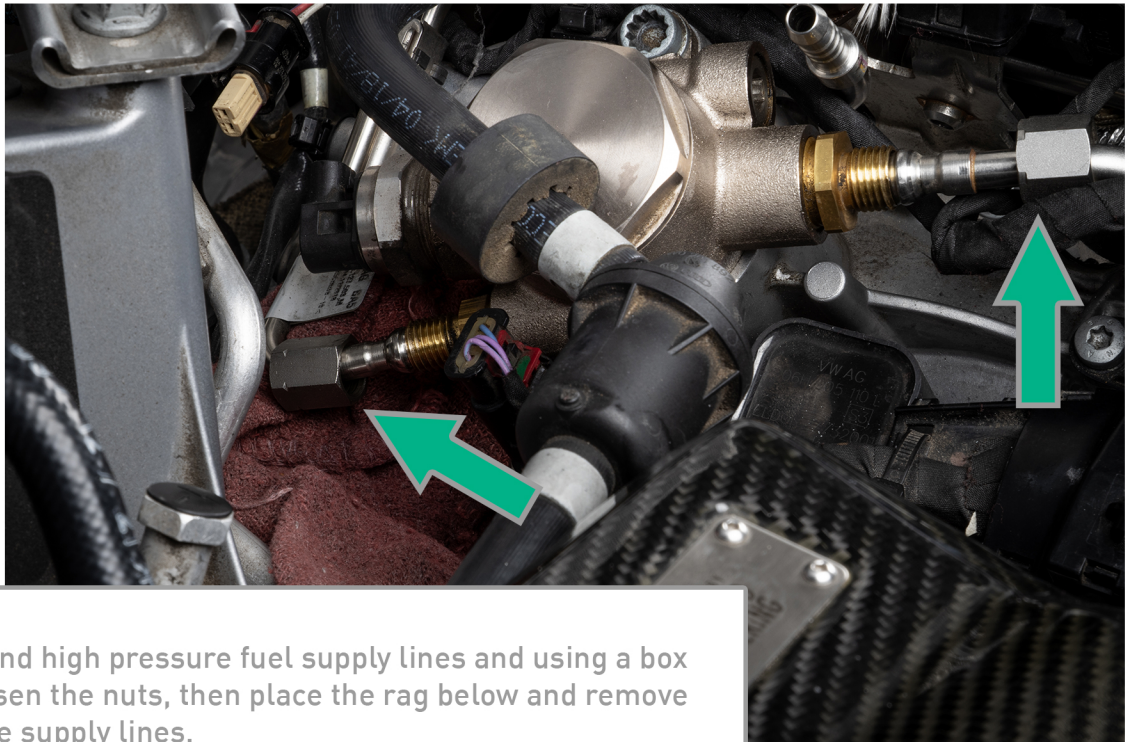


5



Remove harness from sensor located on the top of the fuel pump.

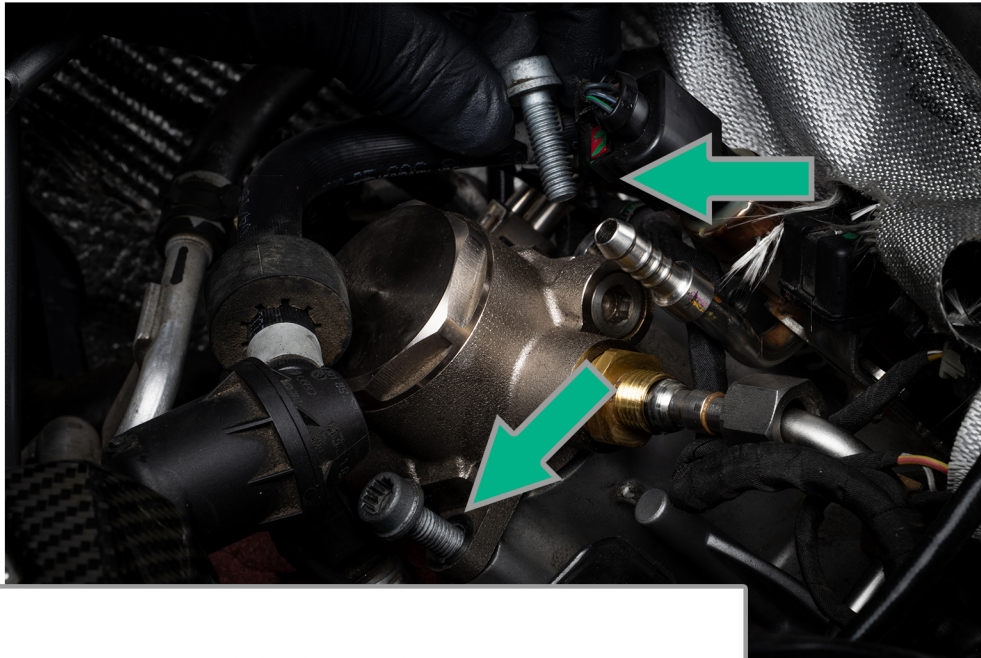
6



Place a rag around high pressure fuel supply lines and using a box end wrench, loosen the nuts, then place the rag below and remove the nuts from the supply lines.



7



Using #10 Triple Square, remove HPFP Bolts from pump

8



Remove pump from the engine.

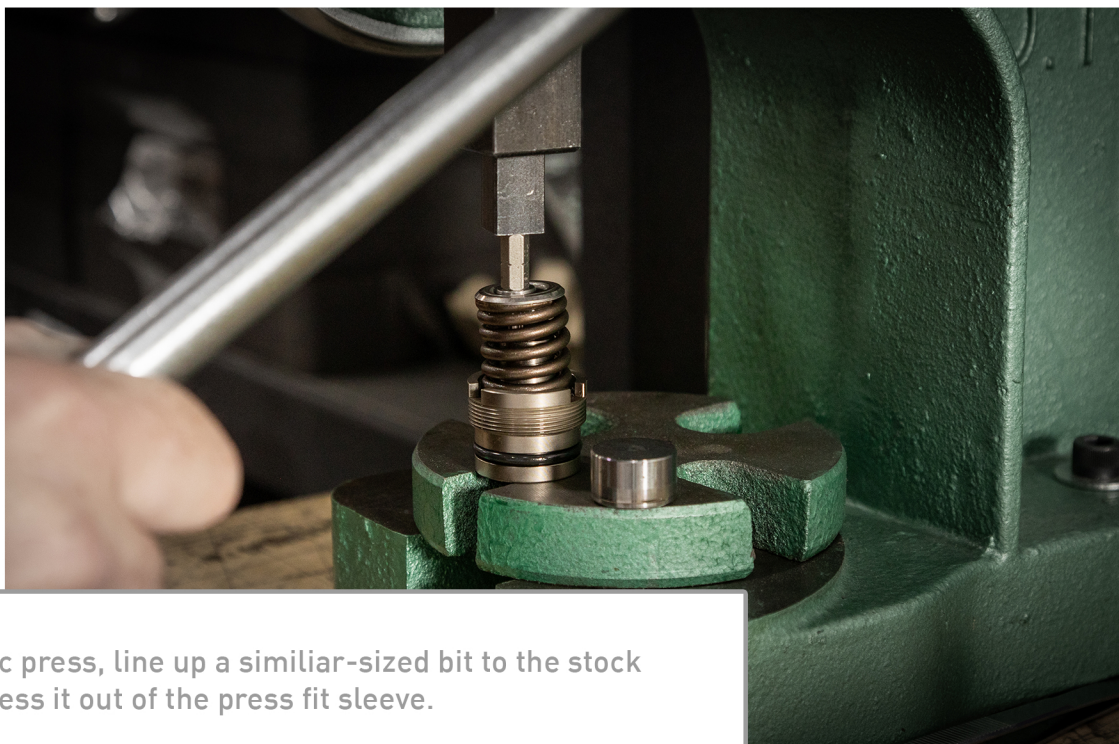


9



Pull the HPFP internal assembly from the pump using your IE assembly tool (IEFUVZ1-4), 1/2" drive socket wrench, and a bench vise.

10



Using a hydraulic press, line up a similar-sized bit to the stock HPFP pin and press it out of the press fit sleeve.



11



Set aside stock spring and assembly housing for re-assembly with IE parts.

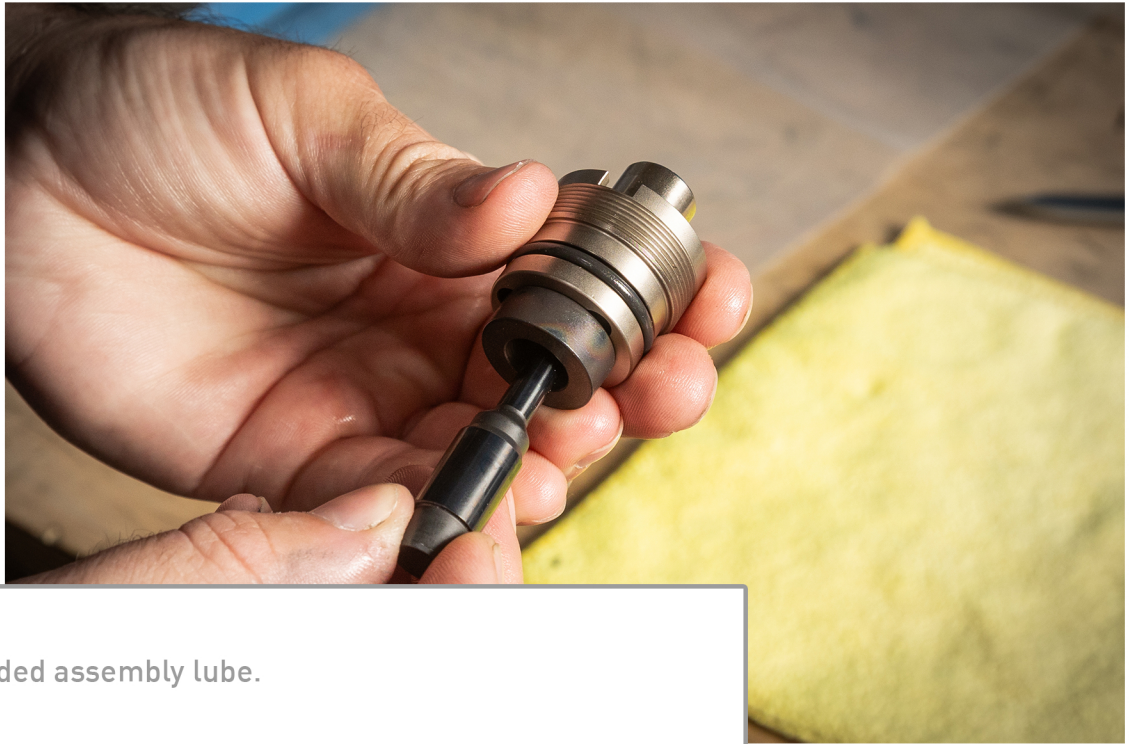
12



Insert IE cylinder into the stock assembly housing.



13



Coat pin in included assembly lube.

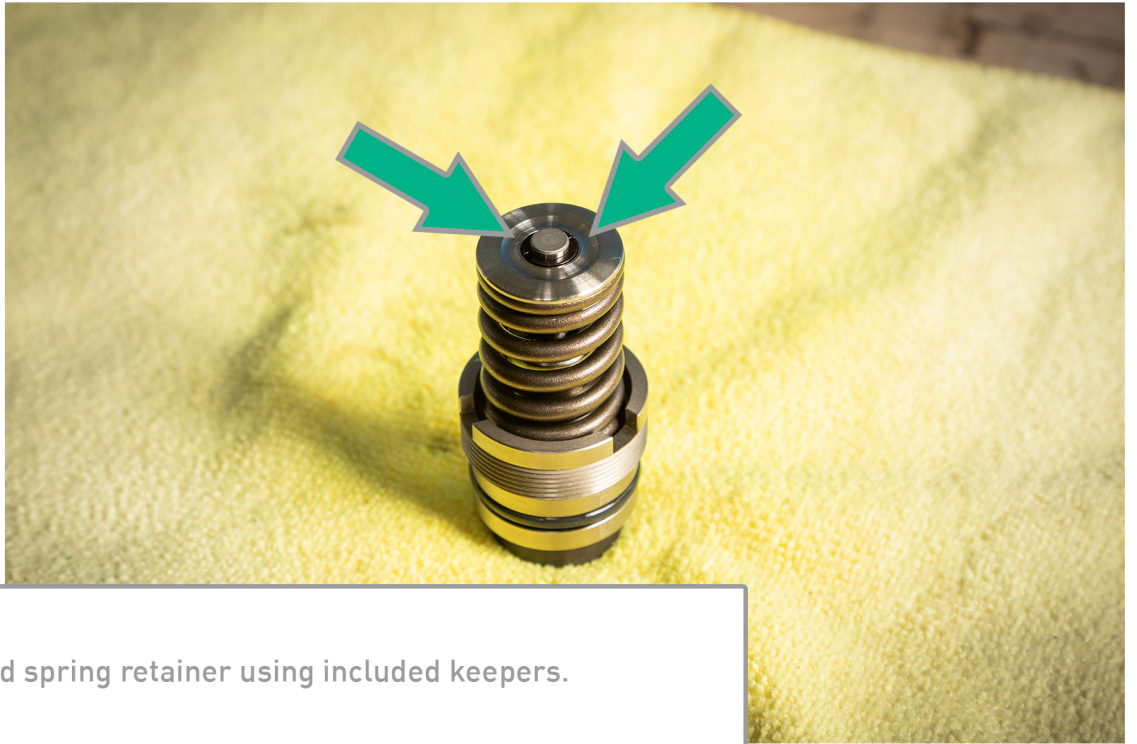
14



insert pin through IE cylinder.



15



Install spring and spring retainer using included keepers.

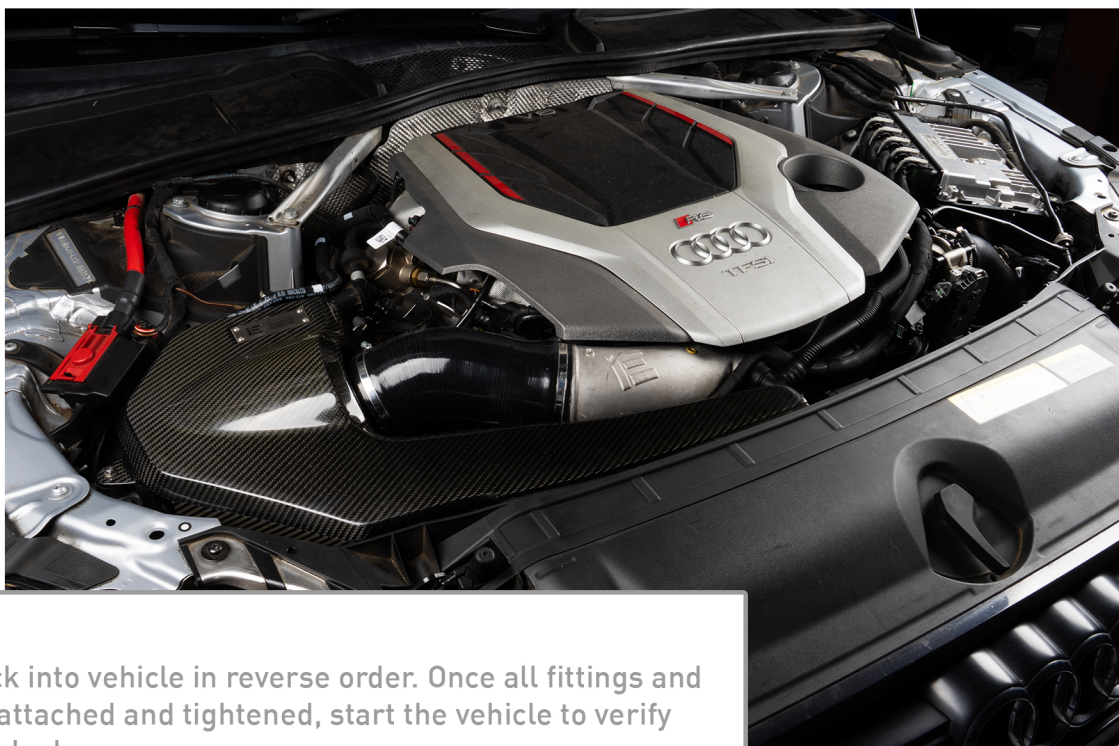
16



insert assembly body into HPFP pump. Hand thread. Using IE HPFP assembly tool, torque to 40 ft-lb.



17



Install HPFP back into vehicle in reverse order. Once all fittings and lines have been attached and tightened, start the vehicle to verify there are no fuel leaks.



ENJOY!

Thank you for purchasing an Integrated Engineering product. We are dedicated to serving your performance needs. Please check our website frequently for new product releases. If you have any questions or concerns about this product please do not hesitate to contact us.



HOW WAS YOUR INSTALL?



Stoked?

Awesome! Please leave a review.
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Bummed?

Sorry, let us make it right.
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