

Installation Instructions

2.0T FSI – Silicon Hose Upgrade kit

Golf5 / Jetta5 / EOS

Part# VFA-2.0TBHK

IMPORTANT NOTICE : This product is does not improve engine peak horsepower performance or the air/fuel mixture. It is a upgrade kit from rubber to silicon hoses. This product may void certain aspects of your manufacturer warranty. VF-Engineering is not responsible for consequential damage, losses, or injury resulting from the use of this product.

VF ENGINEERING

www.vf-engineering.com

M-F 9:00AM – 5:30PM (PST)

1365 N. Dynamics St. #E, Anaheim CA 92806 • Phone: (714) 528-0066 • Fax: (714) 528-0067

Contents:

- 1) Hot-side hose between aluminum “pancake” pipe to intercooler intake with quick connect fittings at both ends.
- 2) Cold-side hose between intercooler outlet to throttle body pipe with single quick connect.
- 3) Throttle body pipe to throttle body silicon coupler with clamps.

Installation

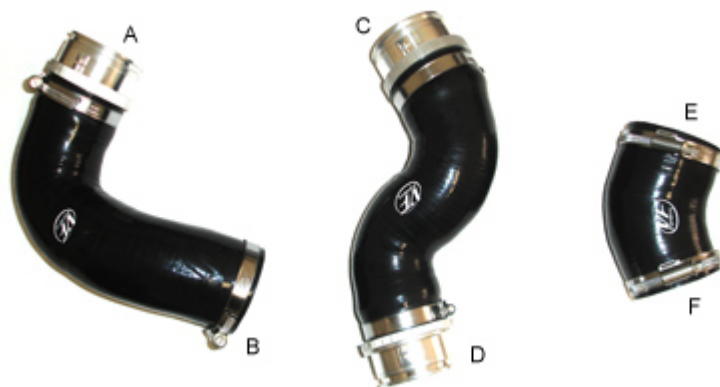
Notes:

Hose clamps may be supplied as not be fully tightened.

Orientation of quick connects may need adjustment by loosening of hose clamp and twisting aluminum quick connect to ensure correct alignment with quick connect alignment stubs.

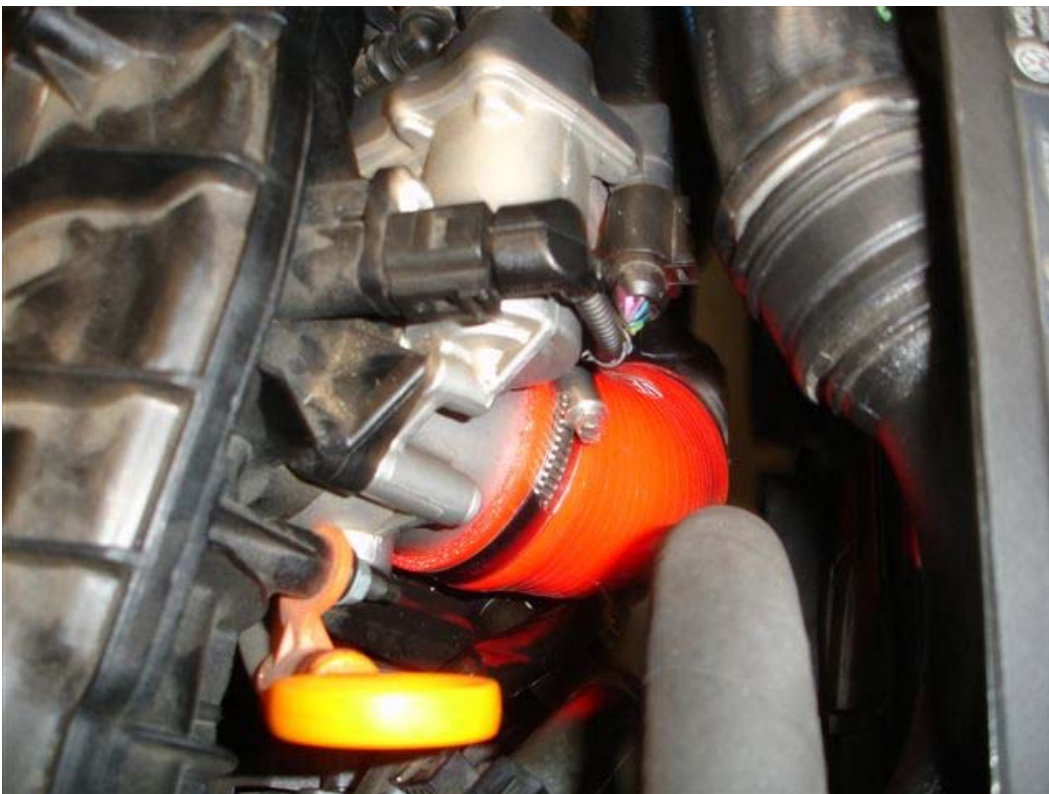
- 1) To remove original boost hoses quick-connect fittings, lift spring-circlip and gentle “wriggle” hose out of end of “pancake” pipe or intercooler fitting.
- 2) Remove o-ring from OEM quick connect (take care not to damage or cut the o-ring) and transfer it onto the VF quick-connect fitting.
- 3) Install hose ensuring you follow the correct orientations as shown below.

The silicon hoses must not kink and you can loosen the hose clamps and rotate the silicon coupler on the VF quick-connect to adjust positioning and alleviate any kinking.



Boost hose kit connections (shown above):

- (A) Intercooler - cold side
- (B) Throttle body pipe
- (C) Intercooler - hot side
- (D) Pancake pipe
- (E) Throttle body
- (F) Throttle body pipe





VF-ENGINEERING ACCESSORIES LIMITED WARRANTY

Subject to all the terms, conditions and exclusions set forth in this document, Zurich Engineering, Inc. ("VF-Engineering") provides the following warranties to the original purchaser of certain VF-Engineering products. For reference purposes, "you" and "your" mean only the original purchaser of the warranted VF-Engineering product.

1. In the cases where 3rd party products are supplied in conjunction with VF-Engineering parts, the 3rd party warranty terms and conditions apply.
2. Installation issues must be queried with your vendor/dealer before calling VF-Engineering.
 - i. Use of VF-Engineering accessories in combination with any other accessories may render the performance gain for the VF accessory useless or dangerous, for example air intake systems and may cause lean conditions with certain 3rd party ECU software or turbo downpipes.
 - ii. VF-does not guarantee compatibility with any other accessories and has not conducted air/fuel ratio testing with commonly used combinations of accessories. It is the users/installers responsibility to ensure that a safe combination of accessories is used / verified prior to installation.
3. **REQUIREMENTS AND EXCLUSIONS:**
 - i. You must be the original purchaser.
 - ii. The product must NOT be modified, disassembled, tampered in any way.
 - iii. The original spec parts must be replaced with like for like parts in the case of air filters with matching part#s.
 - iv. The accessory must be allowed to 'break in' for a period of 300 miles and inspected / for loose parts.
 - v. The main serpentine belt must not be excessively tensioned see belt tensioning instructions.
 - vi. Improper installation, not following installation instructions provided, or installation by an unskilled person is excluded.
 - vii. Damage resulting from entry of foreign particles is excluded.
 - viii. If the car is driven after an uncorrected fault has been detected cover is excluded.
 - ix. Any faults/irregularities are not advised to your vendor.
4. **ONE YEAR LIMITED WARRANTY ON VF-ENGINEERING ACCESSORIES AS BELOW:**
 - i. Mounting brackets and hardware
 - ii. Idler pulleys.
 - iii. Air inlet and discharge systems.
 - iv. Air valves.
5. **NINETY DAY LIMITED WARRANTY ON VF-ENGINEERING SUPERCHARGER KIT CONSUMABLES AS BELOW:**
 - i. Air filters.
 - ii. Oil feed and oil drain components.
 - iii. Serpentine belts.
 - iv. Injectors, regulators and fuel components

WARRANTY COVER FOR THE PRODUCT IS EXCLUDED BUT NOT LIMITED TO THE FOLLOWING CONDITIONS.

6. VF-Engineering does not provide any warranty to You for damages to and/or failure of any non-VF-Engineering component or equipment on a vehicle, including but not limited to the engine, electrical systems, transmission and differentials;
7. The warranties do not protect You from Acts of God, normal wear and tear, or damage to a vehicle or engine caused by backfire, collision and or engine failure;
8. These warranties do not cover any costs incurred for towing or downtime of the vehicle, any labor costs to diagnose problems, to remove or replace the VF-Engineering products, or any damage caused by the use of another company's fittings or pulleys.;
9. The following non-VF-Engineering occurrences, uses and modifications are considered misuse of the VF-Engineering product and invalidate all Your VF-Engineering Warranties, including but not limited to:
 - i. Any disassembly or attempted disassembly of any VF-Engineering assembled parts;
 - ii. Any disassembly or attempted disassembly of sealed units;
 - iii. Damage resulting from ingestion of debris;
 - iv. Improper product installation;
 - v. Over-speeding the engine;
 - vi. Restricted or blocked air intake;
 - vii. Free revving of the engine;
 - viii. Incomplete fitment of all the parts supplied in the VF-Engineering kit.
 - ix. Excessive engine crankcase pressures;
 - x. Dirty or contaminated engine oil;
 - xi. Improper installation, not following installation instructions provided, or installation by an unskilled person;
 - xii. If the car is driven after an uncorrected fault has been detected; or
 - xiii. Any faults/irregular noises are not advised to your vendor;
 - xiv. OEM catalytic converters must be utilized.
10. Power increases plots and data with Zurich Engineering, Inc. accessories are based on unmodified engines and quoted from results obtained from dynamometer tests using the Dynojet 248C & 224XLC and no guarantee is given that every car will achieve the same results as pre-existing conditions may affect results.

EXTENT OF WARRANTY- ADDITIONAL EXCLUSIONS AND LIMITATIONS

11. The duration of any and all warranties is limited to the duration of this express warranty. All incidental and consequential damages are hereby excluded. Some US states do not allow limitations on how long an implied warranty lasts, or exclusion or limitations of incidental or

consequential damages, so the above limitations or exclusions may not apply to You. This warranty gives You specific legal rights, and You may have other rights that vary from state to state (USA) only.

12. No warranties of merchantability of fitness for particular purpose, or affirmation of fact, of the warranty, expressed or implied, other than any available manufacturer's warranties are extended or granted by VF-Engineering.

DISCLAIMER

13. Motor racing is extremely hazardous, and death may occur. VF-Engineering products have no warranty or representations made with ability to protect against injury or death. Motor racing, aggressive driving, including driving for any period of time at full throttle, and car modifications of any kind that facilitate aggressive driving may reduce the useful life of the car and or any of its wearable parts. Improving the performance of an engine by altering the engine's computer software may cause the engine to "work harder" and could result in damage to the car. The user assumes these risks.

REMEDIES

14. Your sole remedy for the above warranties is the repair or replacement of the defective product only, at VF-Engineering's discretion.

15. WARRANTY CLAIM PROCEDURE

- i. If a VF-Engineering product is within the warranty period and You wish to make a claim, please follow the procedure as follows:
 - ii. Contact VF-Engineering on (+1)714-528-0066 asking for the service department and have the following information available:
 - iii. Supercharger serial number
 - iv. Copy of original invoice on which the product was purchased (must be dated and show retail store name);
 - v. Year, make, model, vehicle mileage, and engine specifications of the vehicle;
 - vi. Number of miles on the VF-Engineering product; and
 - vii. Perceived problem
 - viii.
16. VF-Engineering will then offer suggestions to help you in troubleshooting or will issue a return authorization (R.A.) number to return the product for warranty evaluation;
17. If you have been issued an R.A. number, you must "safety package" each product, which means You must place the product(s) within a shipping box strong enough to hold the weight of the product(s) and to maintain its shape during shipping with adequate packing material so that the product(s) will not hit other product(s), component(s), or the side of the box during shipping. You want to use a professional company. Clearly mark the R.A. number in large (approximately 2") alphanumeric characters in two locations on the outside of the box with a bold marker. Returned items in transit remain the responsibility until signed for by a member of VF-Engineering shipping dept.

18. INCLUDE IN THE SHIPPING BOX THE FOLLOWING ITEMS:

- i. Serial number if applicable;
 - ii. Copy of original invoice on which the product was purchased (must be dated and show retail store name);
 - iii. Year, make, model, vehicle mileage, and engine specifications of the vehicle;
 - iv. Number of miles on the VF-Engineering product; and
 - v. Perceived problem
 - vi. A copy of the original Three Year Warranty Registration, if applicable;
 - vii. Return authorization number; and
 - viii. Address to which the product is to be shipped after inspection.
19. Ship the properly safety packaged and marked box via UPS or other carrier, prepaid and insured for the retail value of the product being returned to:

VF-Engineering
Service department
1365 North Dynamics Street, Suite E.
Anaheim, CA 92806 USA
R.A. number _____

20. If a VF-Engineering warranty applies, Your product will be repaired or replaced at VF-Engineering's option and returned to you, freight prepaid excluding any international shipping, taxes, tariffs, customs and/or duties, etc which must be paid by You), via UPS/Fedex/DHL ground service. If a VF-Engineering Limited Warranty does not apply, we will advise you of the specific reason for denial and explain to You the costs involved in repair or replacement of your product. After relaying this information we will, at your option, either proceed with the repairs as quoted or return Your products(s) to you in the condition it/they are in at the time of inspection of the warranty evaluation by VF-Engineering. Timing is not of the essence in delivery or turn around. If the warranty does not apply and you do not want VF-Engineering to repair or replace your product, You will be charged the disassembly and inspection charges for the product and return shipping with insurance by means of UPS COD.
21. This warranty cannot be amended orally or in writing by any VF-Engineering employee, representative or agent, and any promises inconsistent with this warranty are void and unenforceable against VF-Engineering.