

FEATURES

11.8mm (which is maximum allowable by internal dimension and sleeve) This monster is ready for big turbo applications or just for stock power **giving another 10 bar fuel rail pressure** and some extra hp

Over -150 bar of pressure

-20% more surface area

Piston head optimized for **ideal fuel flow direction**

Piston surface hardened and **heat treated in 3 diferent stages**

Laser marked for better traceability and protecting from fake replica

TEST IT NOW !



WILL FIT (some engines will requires two)

Audi 2.5T 3.0T 4.0T 5.0T FSI

Audi 2.5 & 3.0 TFSI Motors:

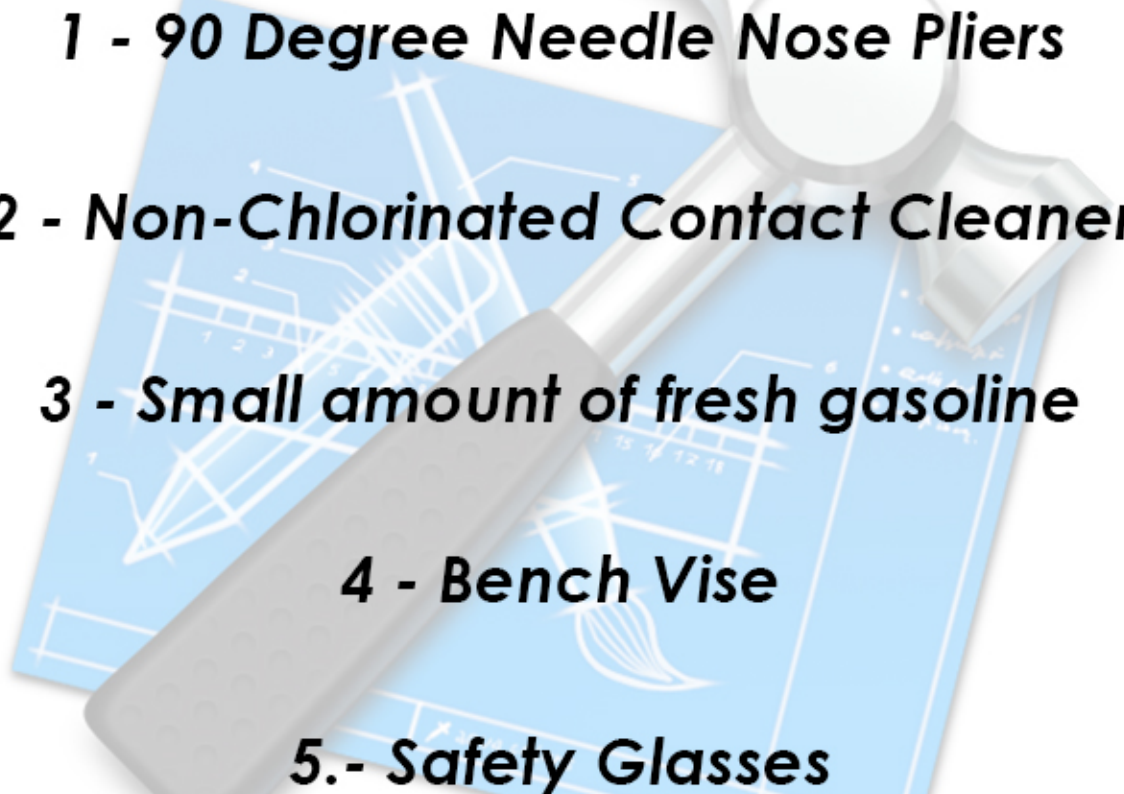
- TT RS 2.5
- RS3 Sportback 2.5L
- B8 S4 3.0T
- SQ5 Q7 3.0T
- A6 A7 A8 3.0T
- Touareg 3.0T
- B8.5 S5 3.0T
- Golf 6 GTI 2.0TSI

2 Kits required for Audi 4.0T 5.0T TFSI Motors:

- Audi R8 V10
- Lamborghini Gallardo
- C6 Audi RS6
- 4.0TFSI V8TT (S6 S7 RS6 RS7 S8)



REQUIRED TOOLS FOR INSTALLATION

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- A hammer with a grey handle and a silver head, and a pair of silver needle nose pliers, are positioned diagonally over a blue technical drawing. The drawing contains various lines, numbers, and the word "Project" at the bottom right.
- 1 - 90 Degree Needle Nose Pliers**
 - 2 - Non-Chlorinated Contact Cleaner**
 - 3 - Small amount of fresh gasoline**
 - 4 - Bench Vise**
 - 5.- Safety Glasses**

Installing the upgraded internals

1. WITH THE PUMP SECURELY FASTENED IN THE BENCH VISE. UTILIZE YOUR NEEDLE NOSE PLIERS TO REMOVE THE RETAINING RING.

2. NOW THAT THE RETAINING RING IS REMOVED , THE FUEL PUMP INTERNALS MAY BE REMOVED BY GENTLY PULLING ON THE SPRING.



Installing the upgraded internals

3. WITH THE PUMP REMOVED, TAKE OUT THE PUMP SLEEVE, AND PRESS ON THE PUMP PISTON TO RELEASE THE RETAINER. BE SURE NOT TO MISPLACE THE RETAINER, AS IT WILL BE REUSES FOR REASSEMBLY

4. NOW THAT THE PUMP IS FULLY DISASSEMBLED CAREFULLY INSERT THE NEW PISTON UNTIL IT CAN GO IN NO FURTHER, BE CAREFUL NOT TO DAMAGE THE SEAL. THEN ATTACH THE RETAINER THAT WAS REMOVED IN STEP 3 AND PLACE THE NEW SLEEVE ON THE PUMP



Installing the upgraded internals

5. THE INTERNAL ASSEMBLY IS NOW READY TO GO BACK INTO THE MAIN PUMP HOUSING. BEFORE PLACING THEM IN THE PUMP HOUSING, PLACE A FEW DROPS OF FRESH GASOLINE ON THE PISTON AND SLEEVE. LASTLY REINSTALL THE RETAINING RING AND SECURELY TIGHTEN WITH 90 DEGREE NEEDLE NOSE PLIERS.
6. NOW THE ENTIRE ASSEMBLY IS READY TO BE INSTALLED BACK IN THE MOTOR.



FUEL PUMP BREAK IN PROCEDURE

BEFORE STARTING THE ENGINE, PLEASE PRIME THE NEW PUMP BY OPENING AND DOOR CLOSING, UNTIL THE ELECTRIC FUEL PUMP UNDER THE BACK SEAT STOPS, REPEAT ONE MORE TIME IF YOU HEAR AIR BEING PUSHED THROUGH.

- PRIME FUEL PUMP/DOOR OPEN/CLOSE
 - LET THE ENGINE IDLE FOR 5 MINUTES
- REV THE ENGINE TO 1500RPM 1 MINUTE
 - LET THE ENGINE IDLE 1 MINUTE
- REV THE ENGINE TO 2500RPM 1 MINUTE
 - LET THE ENGINE IDLE 1 MINUTE

• DRIVE THE CAR FOR NEXT 100KM/MILES OF JUST REGULAR DRIVING WHILE FLUCTUATING THE RPM'S FROM 1000-5000, ONLY USE LOW BOOST SETTING WHILE DOING THESE, YOU REPEAT THESE STEPTS FOR 3 CYCLES AND AFTER YOU CHECK WITH EQUIPMENT YOU HAVE, IF ARE THERE ANY ERRORS CODE RELATED TO FUEL PUMP, AND CHECK IN PRESSURE WIDE OPEN THROTTLE, IF YOUR REQUESTED PRESSURE MEETS ACTUAL PRESSURE, IF YOU DON'T HAVE EQUIPMENT TO DO THIS, JUST WATCH FOR KEY SIGNS OF FUEL CUTS

AT FIRST SIGN OF FUEL CUT YOU NEED TO REPEAT BREAK IN PROCEDURE



DISCLAIMER

YOU ARE MODIFYING THE OEM FUEL SYSTEM DESIGN, BY DOING THIS YOU ARE CHANGING THE OPERATIONAL PARAMETERS THAT COULD CAUSE FUEL SYSTEM, MOTOR, OR DRIVE TRAIN DAMAGE, AND COULD ALSO VOID YOUR AFTERMARKET OR FACTORY WARRANTY.

BEFORE INSTALLING, YOU SHOULD CHECK FOR WEAR ON THE EXISTING CAMSHAFT LOBE AND FOLLOWER, IF WORN CAMSHAFT MUST BE REPLACED, THE FOLLOWER IS STRONGLY RECOMMENDED TO BE INSTALLED NEW.

WE WILL NOT ACCEPT ANY CLAIMS DUE TO IMPROPER INSTALLATION, OR FOR CAMSHAFT OR FOLLOWER FAILURES, OR FOR ANY DAMAGE TO THE INTERNAL KIT OF THE FUEL PUMP, ENGINE OR AUTOMOBILE AS A RESULT OF THESE FAILURES.

ALL WARRANTIES OF ANY KIND, WHETHER EXPRESS, IMPLIED, STATUTORY, FITNESS FOR A PARTICULAR PURPOSE, OR MERCHANTABILITY, ARE EXPRESSLY DISCLAIMED.

THE CUSTOMER RELEASES THE COMPANY FROM ALL RESPONSIBILITY AND LIABILITY AND WAIVES ANY AND ALL CLAIMS AGAINST FOR ANY PERSONAL INJURY, PROPERTY DAMAGE OR DAMAGE TO THE PRODUCT ITSELF.

YOUR ACCEPTANCE OF SUCH RISK AND WAIVER OF SUCH CLAIMS IS GIVEN THROUGH YOUR INSTALLATION OF THIS PART.

**Thank You for purchasing
VIS MOTORSPORT INTERNALS
UPGRADE KIT**

