



INSTALL INSTRUCTIONS

USP MOTORSPORTS AUDI S8 4.0T INTAKE SYSTEM W/ HEAT SHIELD

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PREFACE:

AFTER A LENGTHY R&D PROCESS USP MOTORSPORTS IS PLEASED TO ANNOUNCE OUR INTAKE SYSTEM WITH HEAT SHIELDS FOR THE AUDI S8 4.0T. THE FACTORY SYSTEM RUNS (2) 2.25" PLASTIC PIPES WITH BAFFLING. OUR UPGRADED USP MOTORSPORTS SYSTEM FEATURES (2) 2.5" ALUMINUM PIPES WHICH TRANSITION TO A 4" PIPE AND CONE STYLE FILTERS. THE SYSTEM ALSO INCLUDES ALUMINUM HEAT SHIELDS TO PROTECT INTAKE AIR FROM ENGINE BAY HEAT. AS A RESULT YOU YIELD LOWER INTAKE AIR TEMPERATURES.



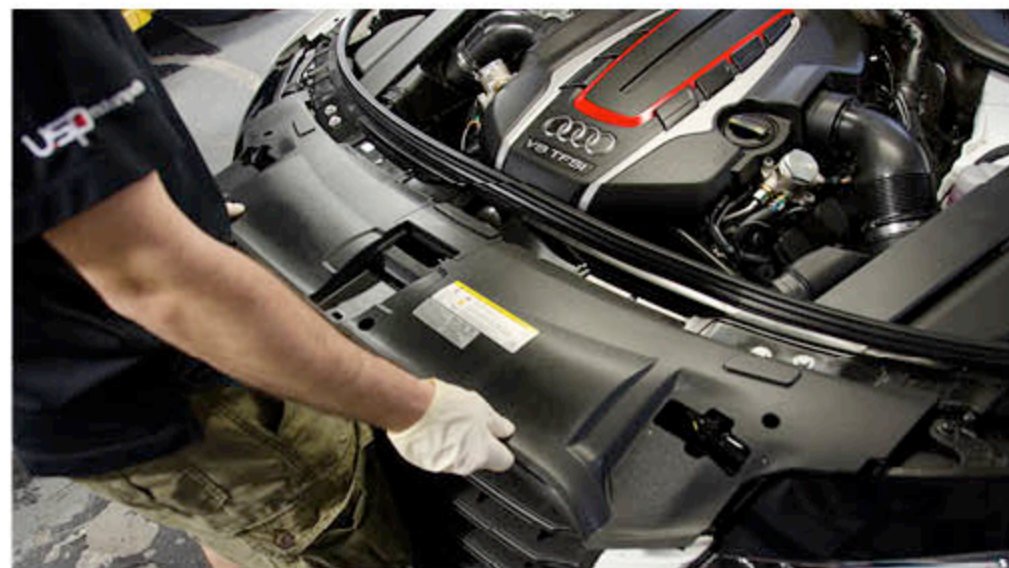
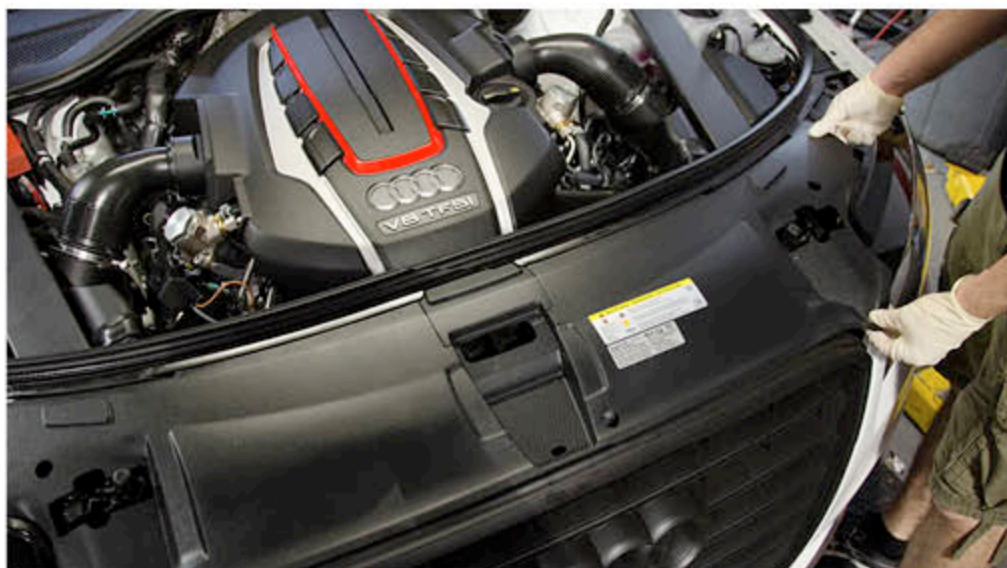
WHAT'S INCLUDED:

- DRIVER SIDE INTAKE PIPE
 - PASSENGER SIDE INTAKE PIPE
 - DRIVER SIDE HEAT SHIELD
 - PASSENGER SIDE HEAT SHIELD
 - (2) SILICONE COUPLERS
 - (2) 2.25" HOSE CLAMPS
 - (2) 2.5" HOSE CLAMPS BREATHER FILTER
 - (2) AIR FILTERS
 - (2) WASHER
 - 10MM BOLT
 - 10MM NUT
 - 19MM BOLT
-

TOOLS REQUIRED:

- 7MM SOCKET
 - 8MM SOCKET
 - 13MM SOCKET
 - 19MM SOCKET
 - 10MM WRENCH
-

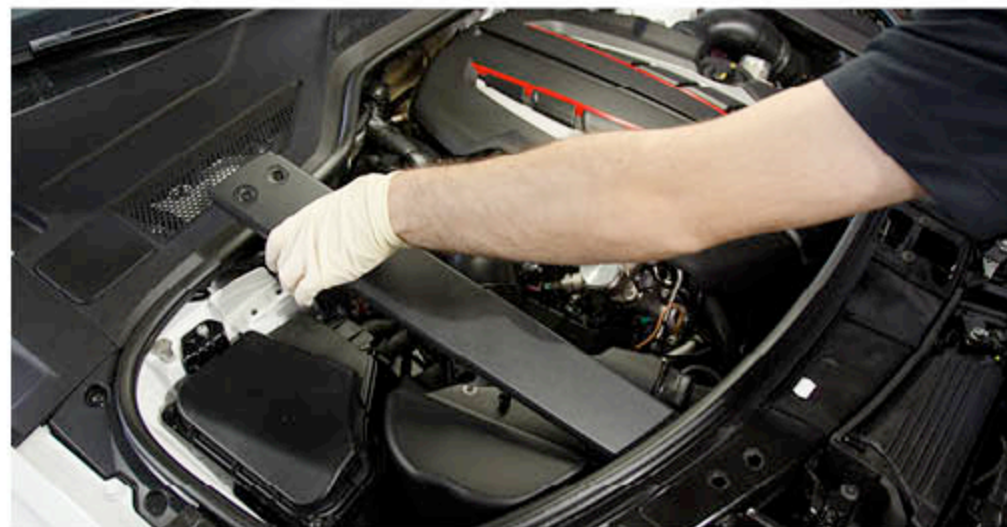
1. REMOVE THE FRONT TRIM PANEL BY LIFTING UP THE DRIVER SIDE CORNER FOLLOWED BY THE PASSENGER SIDE CORNER. ONCE LIFTED THE PANEL WILL SLIDE OUT.



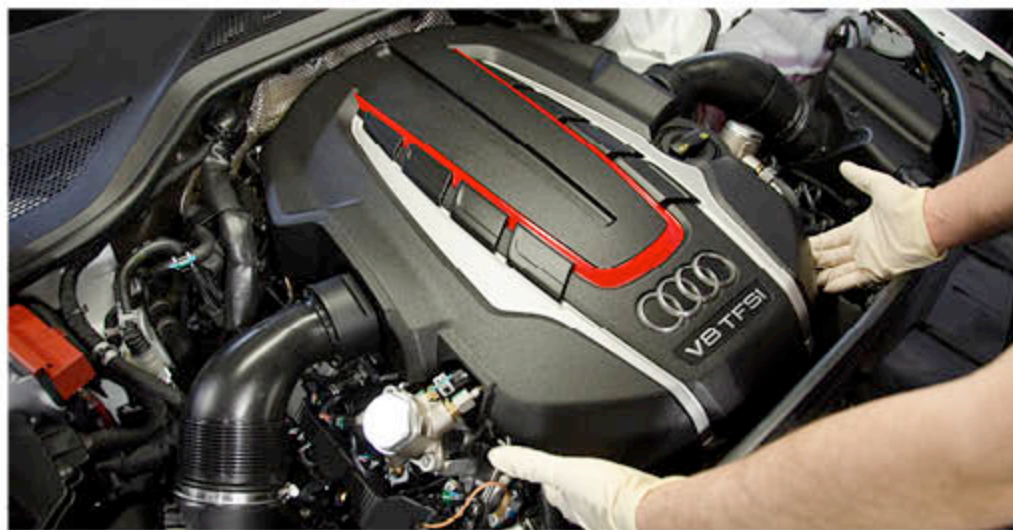
2. **A.** REMOVE THE (8) 13MM BOLTS SECURING THE CROSS BRACES.



B. ONCE THE BOLTS HAVE BEEN REMOVED THE SUPPORT BRACES CAN BE LIFTED AND SLID OUT OF PLACE.



3. REMOVE THE ENGINE COVER BY LIFTING UP FROM THE FRONT CORNERS.



4. LOOSEN THE (2) 7MM CLAMPS SECURING THE FACTORY INTAKES.



5. REMOVE THE DRIVER SIDE INTAKE PIPE FROM THE TURBO INLET PIPE. ONCE THE INTAKE PIPE IS DISCONNECTED GRASP THE FACTORY AIR BOX AND PULL UPWARDS TO REMOVE THE AIR BOX.



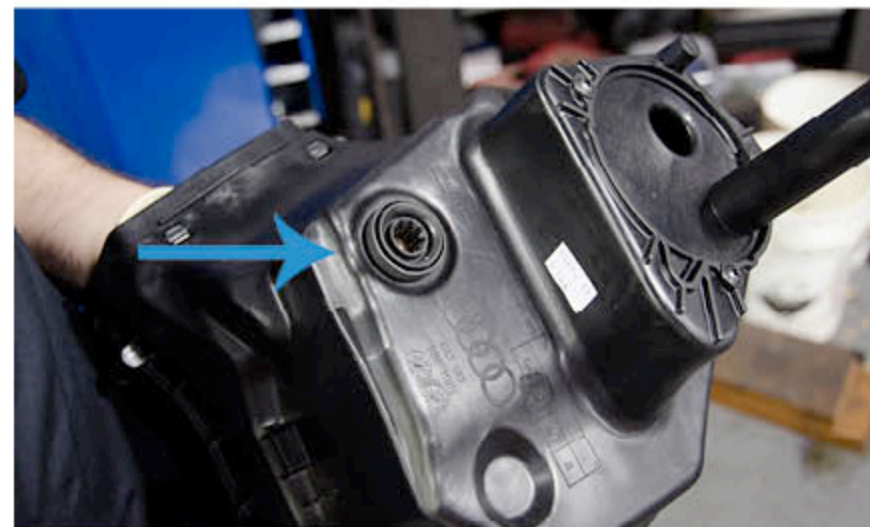
6. REMOVE THE PASSENGER SIDE INTAKE PIPE FROM THE TURBO INLET PIPE. ONCE THE INTAKE PIPE IS DISCONNECTED GRASP THE FACTORY AIR BOX AND PULL UPWARDS TO REMOVE THE AIR BOX.



7. INSTALL THE SUPPLIED BREATHER FILTER ON THE AIR PUMP HOSE.



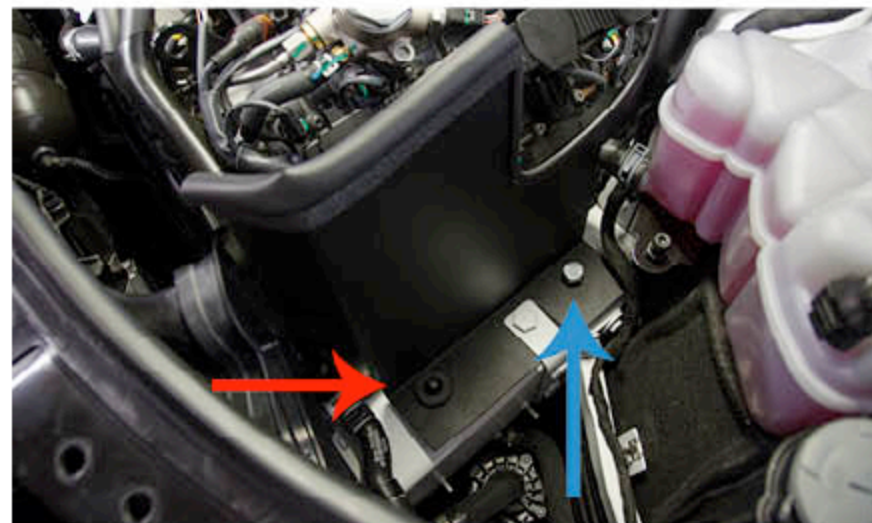
8. REMOVE THE RUBBER GROMMET FROM THE DRIVER SIDE AIR BOX.



9. INSTALL THE RUBBER GROMMET IN THE DRIVER SIDE HEAT SHIELD.



10. INSTALL THE DRIVER SIDE HEAT SHIELD BY SLIDING THE RUBBER GROMMET ONTO THE POST (RED ARROW). INSTALL THE SUPPLIED 19MM BOLT INTO THE THREADED HOLE IN THE FRAME RAIL (BLUE ARROW).



11. INSTALL ONE OF THE SUPPLIED SILICONE COUPLERS ALONG WITH A 2.25" AND A 2.5" HOSE CLAMP ONTO THE DRIVER SIDE TURBO INLET PIPE. DO NOT TIGHTEN THE HOSE CLAMPS AT THIS POINT.



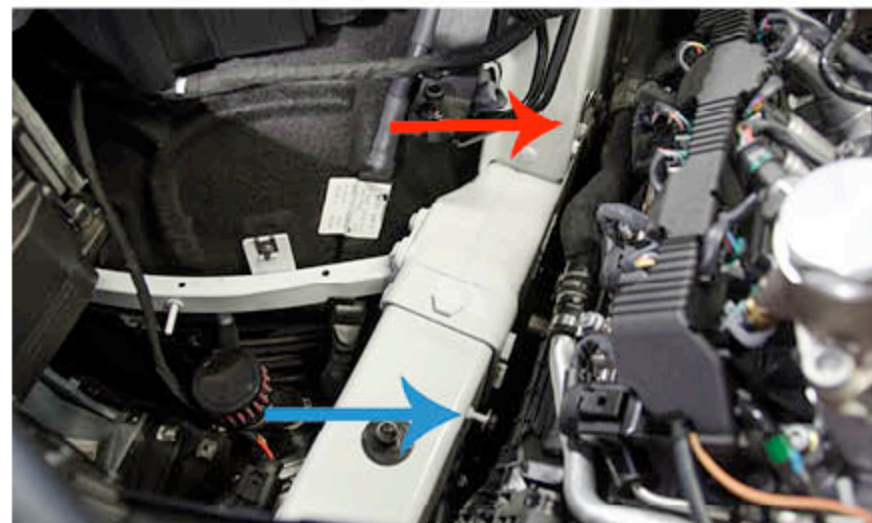
12. INSTALL ONE OF THE SUPPLIED AIR FILTERS ONTO THE DRIVER SIDE INTAKE PIPE. DO NOT TIGHTEN THE HOSE CLAMP AT THIS POINT.



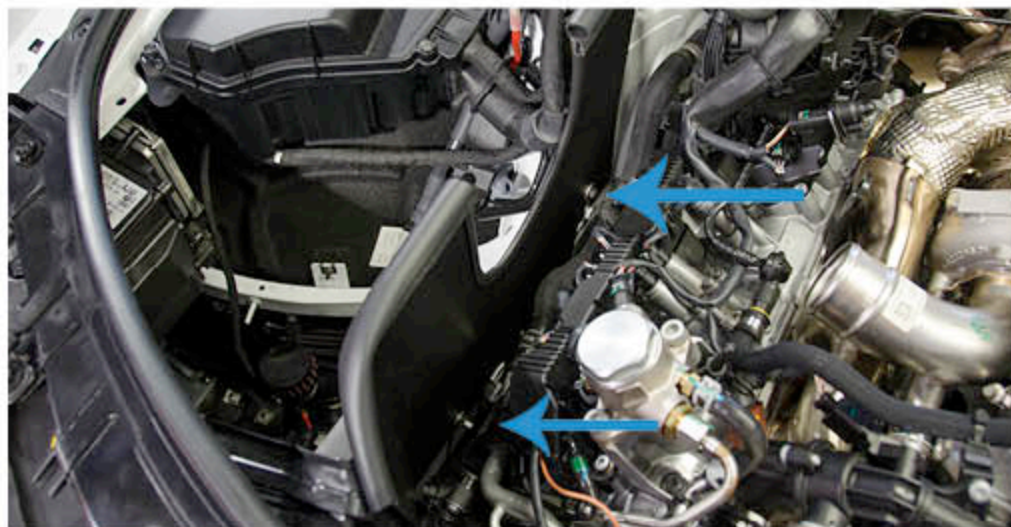
13. INSTALL THE DRIVER SIDE INTAKE PIPE.
DO NOT TIGHTEN THE HOSE CLAMPS AT HIS POINT.



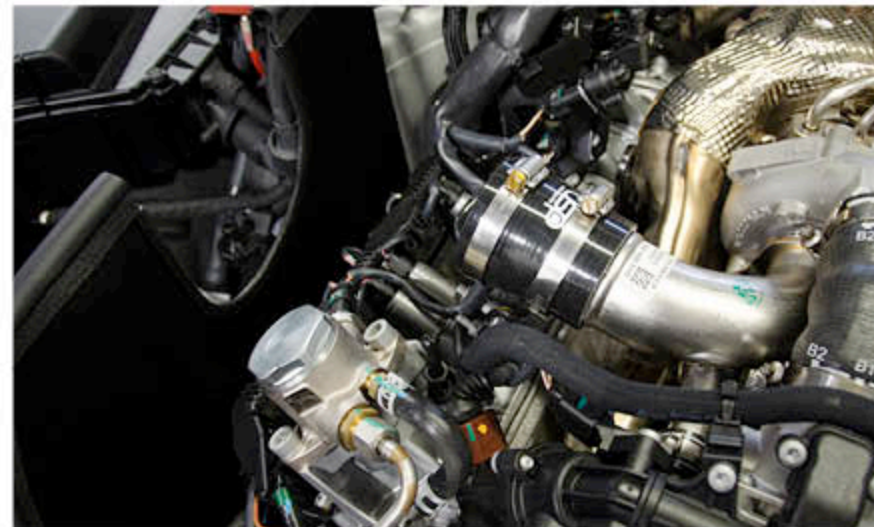
14. INSTALL THE SUPPLIED 10MM BOLT AND WASHER INTO THE FRAME (RED ARROW).
INSTALL THE SUPPLIED 10MM NUT AND WASHER ONTO THE STUD LOCATED ON THE FRAME RAIL (BLUE ARROW). DO NOT TIGHTEN THE NUT OR BOLT AT THIS POINT.



15. SLIDE THE PASSENGER SIDE HEAT SHIELD INTO PLACE. BE SURE THE WASHERS INSTALLED IN STEP 14 ARE ON THE OUTSIDE OF THE HEAT SHIELD. ONCE THE HEAT SHIELD IS IN PLACE TIGHTEN THE 10MM NUT AND BOLT.



16. INSTALL ONE OF THE SUPPLIED SILICONE COUPLERS ALONG WITH A 2.25" AND A 2.5" HOSE CLAMP ONTO THE PASSENGER SIDE TURBO INLET PIPE. DO NOT TIGHTEN THE HOSE CLAMPS AT THIS POINT.



17. INSTALL ONE OF THE SUPPLIED AIR FILTERS ONTO THE PASSENGER SIDE INTAKE PIPE. DO NOT TIGHTEN THE HOSE CLAMP AT THIS POINT.

18. INSTALL THE PASSENGER SIDE INTAKE PIPE.



19. REINSTALL THE SUPPORT BRACES ON THE DRIVER AND PASSENGER SIDE.



20. IN ORDER TO PROVIDE CLEARANCE BETWEEN THE SUPPORT BRACES THE INTAKE PIPES WILL NEED TO BE ROTATED. ADDITIONALLY THE AIR FILTERS MAY NEED TO PUSHED FURTHER ONTO THE INTAKE PIPES. ONCE THE PROPER CLEARANCE IS ACHIEVED, TIGHTEN THE 8MM CLAMPS PREVIOUSLY INSTALLED AT THE TURBO INLET PIPES FOLLOWED BY THE 7MM CLAMPS ON THE AIR FILTERS.

21. REINSTALL THE ENGINE COVER.

22. REINSTALL THE FRONT TRIM PANEL. BE SURE THE TRIM PANEL LOCKS INTO THE LIP ON THE RADIATOR SUPPORT. ■





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