



INSTALL INSTRUCTIONS

BRAKE VACUUM PUMP DELETE KIT: 2.5L
SKU# 4653 MFG# SE-095

INSTRUCTIONS ARE ALSO AVAILABLE ONLINE FOR A MORE ENHANCED VIEWING.
PLEASE VISIT WWW.USPMOTORSPORTS.COM AND SEARCH SKU# 4653



TOOLS REQUIRED: ***WHAT'S INCLUDED:***

- T-20 TORX
- T-30 TORX
- 7, 12, 13MM
SOCKETS
- 5MM ALLEN SOCKET
- RAZOR BLADE
- PLIERS
- RATCHET

- VACUUM PUMP BLOCK OFF PLATE
- GASKET
- (3) M6 ALLEN BOLTS
- INTAKE MANIFOLD HOSE
- BRAKE BOOSTER HOSE
- HOSE CONNECTOR
- (1) HOSE CLAMP 12-20MM
- (2) HOSE CLAMP 8-16MM
- (2) HOSE CLAMP 20-32MM



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1919 NW 40TH COURT, POMPANO BEACH, FL 33064
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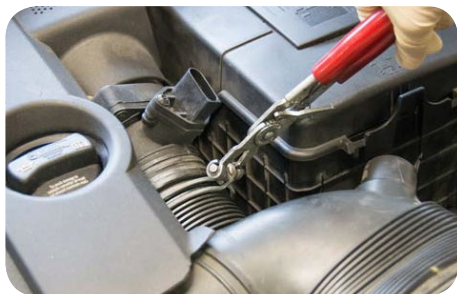
1. If your vehicle is equipped with a MAF and temperature sensor, disconnect the electrical connections.



2. Remove the front intake snorkel.



3. Remove the hose clamp connecting the air box to the throttle body hose.



4. Grab the front of the engine cover and pull upwards to release it from the engine.



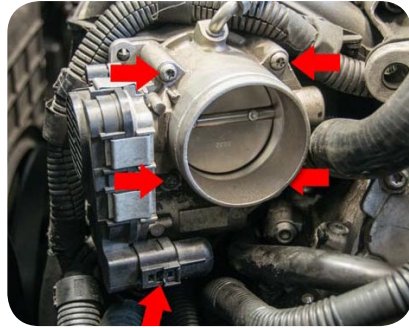
5. Remove the 2 hoses connecting to the throttle body pipe by squeezing the ends. Some models will only be equipped with 1 hose.



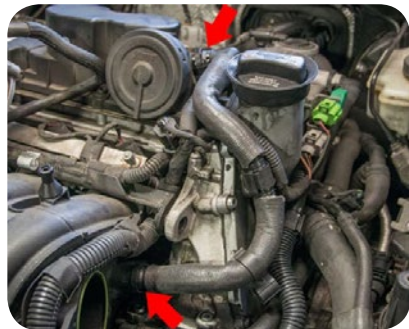
6. Remove the hose clamp from the throttle body pipe and remove the pipe.



7. Remove the 4x T-30 bolts securing the intake manifold to the throttle body and disconnect the electrical connector.

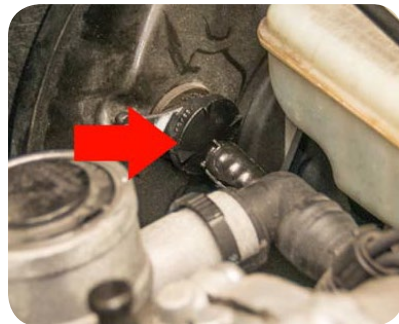


8. With the throttle body removed, disconnect the factory intake manifold hose from the intake manifold and PCV valve on the top of the engine.



9. Remove the hose from the brake booster by pulling toward you.

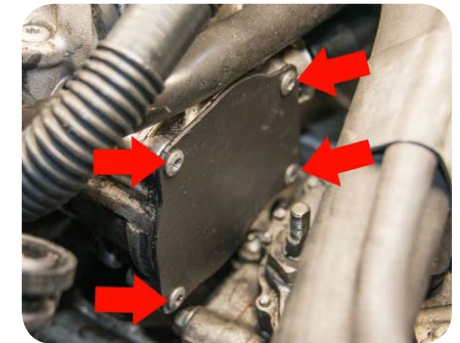
10. Disconnect the other end of the hose where it connects to the vacuum pump and remove the hose from the car.



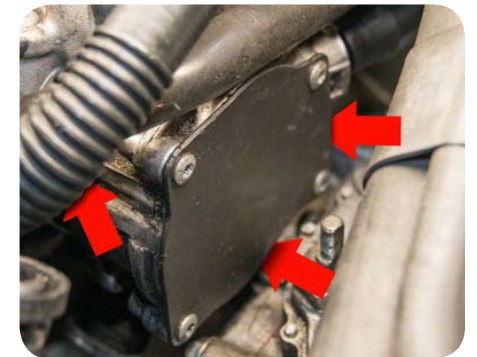
11. Remove the nut securing the shift linkage on to the top of the transmission. Depending on the vehicle's production date the nut can either be a 12 or 13mm. Lift the linkage straight up to remove it from the shaft on the transmission. Once the linkage is removed from the transmission DO NOT manipulate it or disconnect the cable. Please note an automatic transmission linkage is pictured.



12. Remove the 4x T-20 torx on the front of the vacuum pump and remove the black cover.



13. Remove the 3x T-30 torx securing the vacuum pump to the engine.



14. In order to remove the vacuum pump the internals of the pump need to be pulled outward. Grab the shaft of the pump using a pair of pliers and pull outward. The black flap in the center of the shaft is not connected and can easily be removed.



15. Once the internals have been pulled outward, pull the pump housing away from the engine. The pump must be maneuvered and wiggled around the transmission to remove it from the car. Once the pump has been removed, remove the factory gasket.

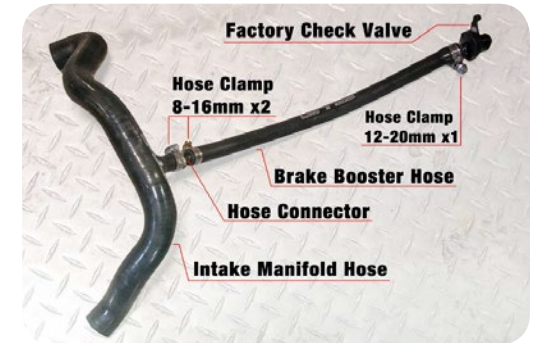
16. Install the included block off plate with the new gasket to the engine using the included allen bolts.



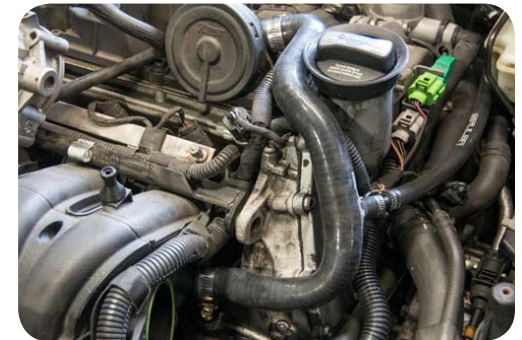
17. Cut a small slit in the brake booster hose that was removed in step 5 and remove the factory check valve.



18. Assemble the hoses and connectors as illustrated below.



19. Install the intake manifold hose onto the intake manifold and PCV valve and secure with the included 20-32mm hose clamps.



20. Press the check valve back into the brake booster.



21. Reinstall the shift linkage on the transmission in the reverse order.

22. Reinstall the throttle body and intake assemble in reverse order.